



Relacart Electronics CO., LTD.

Guangzhou Office:
Add: Suite 1302, South Tower World Trade Centre Complex,
371 - 375 Huanshi Dong Road, Guangzhou Guangdong China - 510095
Tel: +86 20 38109133
Fax: +86 20 38109384
E-mail: info@relacart.com

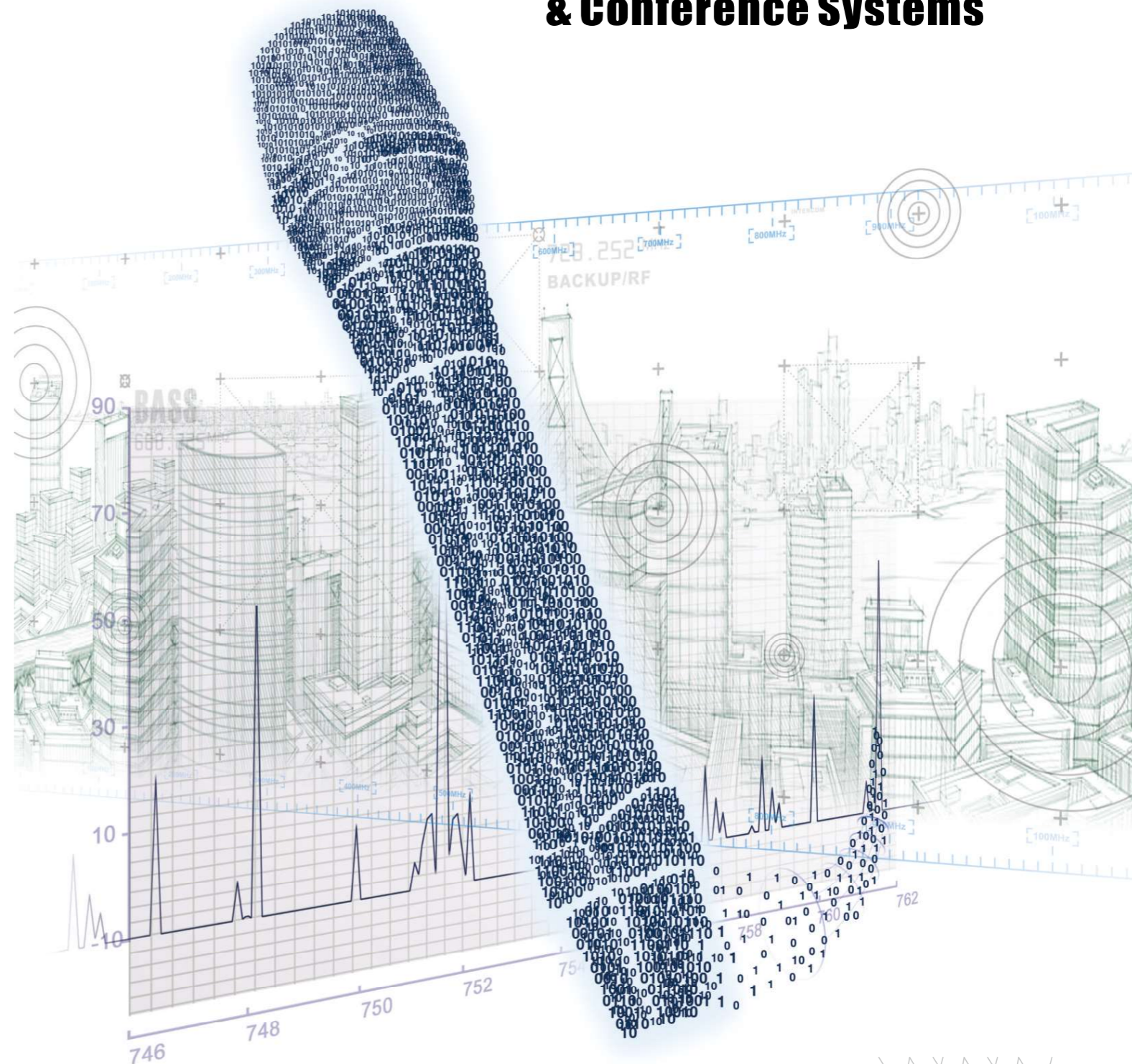
Enping Factory:
NO.10 Fu Xing Road, Ping Shi Industrial Zone, Guangdong, China - 529400
Tel: +86- 750 7181209 / 7181210 EX. 615 / 607 (for English)
Fax: +86- 750 7181212
E-mail: info@relacart.com

Relacart Electronics (Hong Kong & Macau) Company Limited
Flat F, 3/F., Phase II, Vigor Industrial Building, 49 - 53 Ta Chuen Ping Street, Kwai Chung, Hong Kong
Tel: +852 31623714
Fax: +852 30074882
E-mail: info@relacart.com

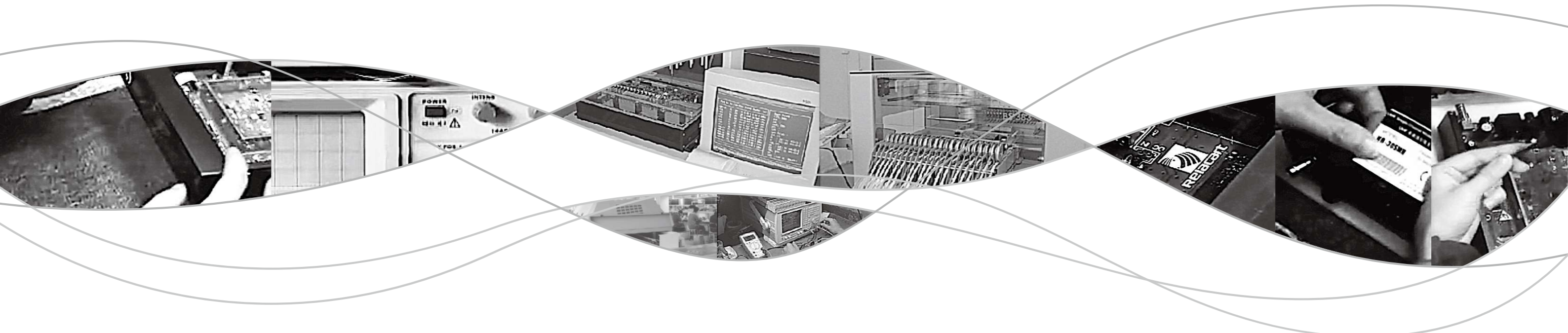
— Real Sound Always



Professional Microphone Series & Conference Systems



— Real Sound Always



COMPANY INTRODUCTION

Relacart is a manufacturer of wireless audio system in China over 25 years experience. Relacart brand was founded in 1994, committing to R & D, design, production and sales on microphone and conference system, is a modern enterprise focus on R&D and production of professional audio equipments. Its own brand "Relacart" series of products hot sold at home and abroad, professional wireless microphones and wireless education, tour guide, conference system, with the most advanced technology in China, accounted for a larger share of the market.

Relacart has a high-quality, highly educated R & D, technical service team and professional sales team, relying on modern management system, is committed to providing all kinds of wireless professional audio products for customers.

Looking to the future, we will continue to adhere to the development of quality, production scale, management professional, business, management of regional differentiation route to construct Relacart; With the honest and trustworthy corporate image and mutually beneficial cooperative mode to make "Relacart" brand become a win-win bridge between you and me.



Our products make clients have the experience: Relacart microphone is good. If you want to buy a set of reliable, high performance microphone, you may choose Relacart! High performance, high quality and high technology is the reason that the client keep loyal to you. We pay great attention to the product quality, consist product quality as the base, let quality speak. Our principle mission is to improve the product reliability and strengthen the core technology.

Besides the strict requirement on the quality, Relacart pay more attention to service. Relacart has been adhering to the excellence, innovative service concept, extend the service to deeper level "humanized", providing customers with a variety of free technical guidance and training, through the teaching video, real-time remote mentoring, telephone consultation, let the customer not only to learn product knowledge, but also to be learned technical knowledge, to achieve the goal of solving the problem timely and quickly at any time. Effectiveness of service make customers win its own value, and make customers win the approval of Party A. Customer satisfaction, is our infinite power!



FCC



ISO 9001



CE



CE

CONTENTS

PROFESSIONAL PERFORMANCE WIRELESS MICROPHONE SYSTEMS

- Wireless Systems Manager
- Quad-Channel True Diversity Wireless Microphone System
- UR Wireless Diversity Series
- Wireless In-ear Monitor System
- Antenna Distribution System
- Wireless Tour Guide Microphone System
- UHF Wireless System
- Wireless ENG System
- 2.4G Wireless Camera-mount Microphone System

- WMS-1 RWW Software Introduction01
- HR-31S03
- UR-2Q05
- UR-260D07
- UR-223D09
- UR-223S11
- UR-222D13
- UR-222S15
- UR-112D17
- UR-111D19
- UR-111S21
- PM-32023
- R-14D24
- TGS-6 EP0125
- MC-127
- MS-129
- CR series31
- HCR-30D37
- Mi MIPASSPORT series39
- R series35
- Product Application Examples39

PROFESSIONAL WIRELESS ENTERTAINMENT SYSTEMS

- Wireless Entertainment Systems
- 2.4G Wireless Microphone System
- Wired Microphones
- Podcast Production Studio

- ER-590041
- ER-570043
- The service from brand soul45
- TM-50047
- IMIC-549
- MiLIVE51
- PM-253
- SM-255
- SM-300 PM-100 KM-10057
- Mikit59
- LM-P0161
- Podcast+63

INTEGRATED SYSTEMS

- Dante Digital & Wireless Conference Discussion Systems
- Wireless Automatic Mixer
- Dante Microphone
- Dante Networked Audio Interface
- Digital Automatic Mixer with Dante Interface
- Dante Audio Networked Enabled Speaker System
- Conferencing Discussion Systems
- Professional Desk Microphone Set
- Dismountable Conferencing Microphone
- Microphone Desk Stand

- WDC-90365
- WAM-432 AMC-2069
- MAS-D73
- TDN175
- BLOCK477
- DAM-128D79
- DAM-208D81
- CONFER X83
- DMC-50085
- RDA2087
- CS Series89
- TSG Series97
- RG-1099
- GS/EGES/GF Series101
- BM-110/111 WB-100103
- BM-112/BM-113105
- TS Series107
- FM Series109
- Headworn and Lavalier Microphones111
- Accessories113

DIGITAL LIVE SOUND MIXER

- Digital Mixer
- Digital Mixer with Dante Interface

- MIXX16125
- MIXX12127

PROJECT APPLICATION

- Stage and Music Performances
- Conferencing Projects
- Entertainment and KTV Rooms



Relacart has been a professional wireless audio manufacturer with a history of over 25 years, as well as has been creating the sound experience for masses of users over 25 years. Relacart, a young and mature brand, is showing its unique charm. Young, compared with the century brands, he is really young, and for domestic professional audio brand more than 25 years development course, he is a mature.

With years of development, Relacart has brought the user's unique experience and loud mouth, when asked about the people of cognition Relacart is a consensus: it sounds great, strong stability. In the spread of word-of-mouth, we always believe that quality and service is very critical, so we set up R&D center in Guangzhou city, introduce high-end technical talent, make the cooperation smooth from software development to hardware circuit design, to ensure the function plays well as well as the stability is consistent.





Wireless transmission system control management software interface



- Software introduction
- Frequency scan: Scan the site for interference frequencies. Scanning range: 240MHz-960MHz
 - The information states: Including the function information of the receiver and transmitter.
 - Function control: Control the volume, frequency, SQ and other functions of the wireless receiver.
 - RF scan: Scan the RF signal of the wireless receiver, automatically analyze and select the channel with strong signal.
 - Channel frequency scan: Scan the receiver's frequency band independently to quickly select interference-free frequencies.
 - Maximum connection of 32 wireless channels
 - The software supports WINDOWS system, WIFI connection is available.

On-site automatic frequency scan interface



- Scanning: Obtain scan data through Relacart wireless receivers and compatible scanners, provide detailed graphic displays, and detect potential RF problems in time to avoid adverse effects on RF signals.

WMS-1 equipment settings, set frequency



WMS1 is a wireless frequency management system, can be used in real-time scanning the interference-free frequency at site. Frequency scanning up to 960MHz, make the wireless space frequency visible. Connect the HR Series wireless receiver through the RS-485 communication protocol, the software can be used to monitor and control the wireless communication system in real time.

Product Specification

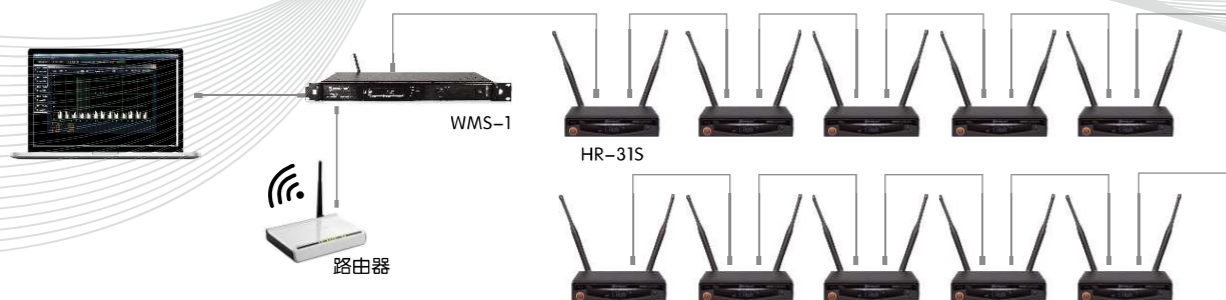


- NETWORK: Connect a router or computer to communicate with the control software
- RS-485: Connect to the wireless microphone and send information to the control software for real-time monitoring.
- ANTENNA: Receive signals from the live radio.
- Display: Display the AFS function to monitor the wireless frequency status in real time.

Frequency range	240MHz-960MHz
Step frequency	25KHz-5MHz
S/N:	-75dBm@0.5G
Interface:	RJ11、RJ45、BNC
Power supply:	DC-12V / 1000mA
Main Frame Size:	EIA standard 1U
Dimensions (mm):	410(W) x 206(D) x 43(H)
Weight:	about 2.2Kg

WMS-1
Spectrum Management Controller

Key Features



HR-31S

HR SINGLE-CHANNEL TRUE DIVERSITY WIRELESS MICROPHONE SYSTEM



HR-31S true diversity wireless microphone system is a wide bandwidth true diversity wireless audio system that designed for the large-scale live show. Powerful function, reliable performance, can get the best effect in different kinds of complicated professional performance.

Key Features



AFS (Automatic Frequency Selection)

- Press the "AFS" (Auto Frequency Selection) button 3S and the receiver will auto-scan and lock on to an open, interference-free frequency.



IR Infrared

- Press [IR] button to upload automatically the receiver frequency to the transmitter.



Intelligent Management

- On-board Ethernet interface for monitoring and controlling system parameters with "RWW" wireless management system.
- Intelligent volume control



Anti-Interference

- PLL (Phase Lock Loop frequency control) design ensures transmission reliability, "Noise Lock" squelch effectively blocks stray RF.



Super Wide Frequency Range

- 32MHz bandwidth. 1280 selectable UHF frequencies and True Diversity reception for interference-resistant operation.



Energy Conservation

- Precision low-power circuit design, battery life is twice as common.

Product Specification



HR-31S

Single Channel Wireless Receiver

- 1/2 EIA standard 1U receiver chassis, offering programmable features, with high-visibility LCD display.
- The receiver's bright LCD display the operating channel or frequency, RF and AF signal strength, transmitter battery capacity, and the ability to edit the performer's name for easy tuner control.
- Electronic Volume Control
- Antenna output with 8VDC

Main Frame Size	1/2 EIA standard 1U
Receiving Channel	Single Channel
Receiving Mode	True Diversity
Frequency Reliability	±0.005%(-10~50°C)
Bandwidth	32MHz
Audio output jack	XLR balanced socket and Ø6.3mm unbalanced socket
Antenna socket type	BNC
Control cable	4P telephone line connect to the U485, U485 USB connect to computer.
Operating Distance	80M typical(in open space)
Oscillation	PLL synthesized
Sensitivity	5dBµV, S/N>60dB at 25KHz deviation
Max. Deviation	±45KHz
Power Supply	DC 12V/12W
Dimension(mm)	206(W)×206(D)×43(H)
Weight	Approximately 1.0kg



H-31

Wireless Handheld Microphone

- The transmitters offer durable, magnesium bodies, soft-touch controls. Effectively protects inside PCB board components and battery holders with an ergonomic grip.
- With lock function, avoid the mistakes of the performers, to ensure reliable performance.

Carrier Frequency Range	522MHz~936MHz
Oscillation	PLL synthesized
Harmonic Radiation	<20dBm
Max. Deviation	±45KHz
Microphone Element	Dynamic/Condenser(removable)
RF Output Power	10mW/40mW
Battery	AAx2
Current Consumption	100mA(Typical)
Battery	Approximately 10 hours(alkaline)
Dimension(mm)	53(Φ)×265(L)
Weight	Approximately 312g(w/o battery)



T-31

Wireless Bodypack Transmitter

- The bodypack transmitter is one of the smallest mini bodypack in the world. It is made of all alloys and is light and durable.

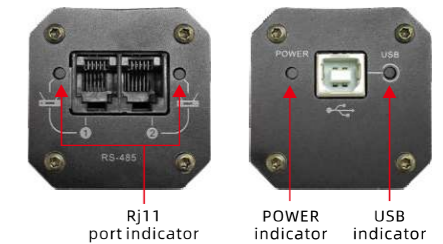
Carrier Frequency Range	522MHz~936MHz
Oscillation	PLL synthesized
Harmonic Radiation	<50dBm
Max. Deviation	±45KHz
Input Connector	4-pin mini XLR connector
RF Output Power	10mW/40mW
Battery	AAx1
Current Consumption	205mA(Typical)
Battery	Approximately 5 hours(alkaline)
Dimension(mm)	66(H)×63(W)×20(D)
Weight	Approximately 85g(w/o battery)



U-485

Data exchange equipment

- U-485 is a device for some of the exclusive wireless products and computer data exchange.
- We set up our computer software (RWW) to achieve the work of the connected wireless microphone products. It can be computerized, but more powerful is to accurately determine the internal environment interference. Obvious signal changes and the scan function.



- Product port description
 @USB interface: professional square USB interface for connecting to a computer for data exchange
 POWER indicator: Power indicator, correctly shows whether the U-485 is working properly (the power supply can be supplied via USB)
 USB indicator: Indicates whether the U-485 is connected to the computer.

- @Two RJ11 ports: used to connect to our exclusive wireless microphone products, the 1 and 2 ports function are same, can be used at the same time so that it can connect more wireless microphone at the same time. RJ11 port indicator *2: indicate whether the RJ11 port connection is normal.

UR-2Q | QUAD CHANNEL 130MHz WIDEBAND TRUE DIVERSITY WIRELESS MICROPHONE



Dante™
SPOKEN HERE

UR-2Q series wireless microphone cohesive Relacart long-term accumulation of technical essence, with advanced four-channel electrical tuning technology, 130MHz switching bandwidth (depending on the region); has a beautiful industrial design appearance; with independent research and development of DSP audio expansion algorithm Support Dante protocol output, Magic EQ function can be adjusted freely; this series is suitable for high-demand nightclubs, multi-purpose demonstration halls, hotels, conferences and small and medium-sized performances.

Product Specification



UR-2Q
Quad Channel Wireless Receiver

- The 1U metal chassis of the international EIA standard is adopted. It is elegant with novel, concise and ultra wide angle OLED liquid crystal display and visualized LED.
- Receiver bright OLED display, can display the working channel or frequency; receiver name, transmitter battery capacity, visual LED display RF and AF signal strength.

Main Frame Size:	EIA standard 1U
Frequency Stability:	±0.005%
External Antenna Interface:	Dual BNC support +12V/150mA output
External Audio Interface:	mixed balanced audio output, BALANCED single channel balanced audio output
Ethernet Port:	Support Dante communication protocol
Carrier Frequency Range:	470MHz~960MHz
Oscillation:	PLL synthesized
Sensitivity:	5dBu, S/N>60dB at 25KHz deviation
Bandwidth:	130MHz
Max. Deviation Range:	±45KHz
Audio Sampling Rate:	96KHz 24-bit
Audio Expansion:	Relacart DSP Digital Audio Extension Algorithm
S/N:	>105dB
T.H.D:	<0.7%@1KHz
Frequency response:	80Hz~18KHz ±3dB
Operation Range with line of sight approx:	80 meters
Power Supply:	AC input, ICE connector, 100-240 VAC
Dimensions (mm):	480(W)x350(D)x43(H)

Key Features

Dante Network Audio Protocol

- With Dante network audio output, Dante audio device can automatically identify the Dante channel of the product; audio signal can be output to any Dante audio device

[Magic EQ] Function

- It built-in 9 kinds of digital audio equalizers (Magic EQ), which can directly change the audio quality curve through parameters

IR Infrared Counter-Frequency

- With [IR] infrared automatic frequency matching function, press the [SYNC] button, the transmitter can automatically and lock on to an open accurately.

Energy Conservation

- Precise low-consumption circuit design, use two AA alkaline battery, the battery life is twice as common.

DSP DSP Audio Digital Extension

- High-speed DSP chip, 24-bit high-performance ADC, DAC plus self-developed digital audio expansion algorithm to minimize the noise caused by wireless transmission

Automatic Frequency Selection (AFS)

- With [AFS] (Auto Frequency Selection) function, enter the setup menu and select AFS function, the receiver will auto-scan and lock on to an open interference-free frequency.

Ultra Wide Bandwidth

- Ultra-wideband UHF 470MHz ~ 960MHz, pure diversity reception; each channel division and frequency design, to ensure the most wireless microphones can be used simultaneously in the narrowest frequency range.

Universal Property

- 134MHz wideband transmitter, multiple receivers in different frequency bands are free to use



UR-2
Handheld Microphone

- Handheld wireless microphone, simple design style, durable metal material, high contrast OLED display, built-in gain adjustment function, humanized mechanical switch, microphone module design, and a variety of characteristics of the sound head module can be matched, suitable for speech, singing and other occasions.

Carrier Frequency Range:	470MHz~960MHz
Harmonic radiation:	<45dBm
Bandwidth:	Single-band 134MHz
Modulation Mode:	FM
Audio compression:	Relacart classic audio compression circuit
Capsule:	Dynamic or Condenser, Cardioid
RF Power Output:	10mW / 30mW
Battery:	AA x2
Current Consumption:	130mA(typical)
Battery life:	Approximately 8 hours
Dimensions(mm):	52(Φ)x255(L)
Weight (without battery):	Approximately 235g



UR-2A
Wireless Bodypack Transmitter

- Contracted design style, solid and dural metal material, high contrast OLED display. Built-in gain adjustment function.
- Standard Mini XLR microphone interface, suitable for the headset mic and clip mic of a variety of well-known brand in the market. Suitable for application in speech, singing and other occasions

Carrier Frequency Range:	470MHz~960MHz
Harmonic radiation:	<45dBm
Bandwidth:	Single-band 134MHz
Modulation Mode:	FM
Audio compression:	Relacart classic audio compression circuit
Input Connector:	4-pin mini-XLR connector. Input gain 3 levels adjustable
RF Power Output:	10mW / 30mW
Battery:	AA x2
Current Consumption:	130mA(typical)
Battery life:	Approximately 8 hours
Dimensions(mm):	84(H)x66(W)x23(D)
Weight (without battery):	Approximately 155g

UR-260D | UR DUAL-CHANNEL WIRELESS MICROPHONE SYSTEM



Product Specification



UR-260D
Dual Channel Wireless Receiver

- EIA standard 1U metal rack receiver chassis, offering new style and simple LCD display;
- Bright LCD display can simultaneously display the working channel or frequency, RF & AF signal status, transmitter battery consumption as well as mute level.

Channels:	Dual Channel
Frequency Stability:	±0.005% (0~50°C)
Carrier Frequency Range:	522MHz~936 MHz
sampling rate:	96kHz 24-Bit
Default audio equalizer:	simulate of various cartridge sound
Modulation Mode:	FM stereo modulation
Operating Range:	80M typical (in open space)
Oscillation:	PLL synthesized
Sensitivity:	5dBμV, S/N>60dB at 25 deviation
Max. Deviation Range:	±45KHz
S/N:	> 100dB
T.H.D.:	< 0.5% @ 1KHz
Frequency response:	45Hz~18KHz ±1dB
Power Supply:	DC 12~18V/1A
Weight:	2.0kg
Dimension (mm):	410(W)x206(D)x43(H)
Output Connector:	LR balanced & 6.3φ phone jack unbalanced

UR-260D series cohesion Relacart long-term accumulation of technology essence. With advanced technology, stable performance, elaborate appearance, convenient operation, and superior professional quality to win the market. This series is suitable for high requirement large scale professional tours.

Key Features

FBK "Feedback Killer"

- "Feedback Killer" automatic feedback extermination, providing maximum gain and increased clarity on every microphone.

MagicEQ™

- Built-in 9 kinds of MagicEQ™ Built-in MagicEQ™ preset and user-defined microphone capsule equalization for faithful reproduction to the vocalist or speaker's favorite "personality" sound.

AFS (Automatic Frequency Selection)

- Press the "AFS" (Auto Frequency Selection) button 3 sec and the receiver will auto-scan and lock on to an open, interference-free frequency.

IR Infrared

- Press [IR] button to upload automatically the receiver frequency to the transmitter.

Intelligent Management

- The receiver can be connected computer via TCP/IP or connected Android phone via WIFI, realizing remote control, remote diagnostics and upgrades.

Super Wide Frequency Range

- UHF 554-936MHz operating frequency range, with AFS (Auto Frequency selection) function, single-channel diversity reception, frequency-selective greater.

Univesal Propergy

- 134MHz transmitter, specially designed for capable of full frequency range transmission.

Energy Conservation

- Accurate low consumption circuit design, battery life is twice as common one.

Anti-Interference

- PLL(Phase Lock Loop frequency control) design ensures transmission reliability, "NoiseLock" squelch effectively blocks stray RF.



UH-222
Wireless Handheld Microphone

- Handheld wireless microphone, simple design style, durable metal material, high contrast OLED display, built-in gain adjustment function, mute switch (optional mechanical switch). Microphone modular design, and various features of the capsule module optional, suitable for various occasions such as speech, singing, etc.

Carrier Frequency Range:	522MHz~936MHZ
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Microphone Element	Dynamic/Condenser(removable)
RF Output Power:	10MW/40MW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Microphone Lengths(mm):	52(Φ)x255(L)
Weight:	Approximately 235g (w/o battery)



UT-222
Wireless Bodypack Transmitter

- bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function OLED display, built-in input selector switch, can be used to facilitate the instrument. The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	522MHz~936MHZ
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	10MW/40MW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension:	84(H) X66(W) X23(D)
Weight:	155g (w/o battery)

UR-223D

UR DUAL-CHANNEL TRUE DIVERSITY WIRELESS MICROPHONE SYSTEM



UR-223D is a dual channel true diversity wireless microphone system. The true diversity reception is more stable, with automatic dispatch, eliminate receive dead Angle, avoid fault frequency phenomenon. UR-223D with advanced technology, stable performance, exquisite appearance, convenient operation and superior professional quality to win the market. This series is suitable for high requirement night club, multi-function room, hotels, and conference room and medium to large performance.

Product Specification



UR-223D
Dual Channel Receiver

- EIA standard 1U metal chassis, combined with novel compact LCD display.
- The receiver with ultra wide reviewing angle LCD display, shows working channel/frequency, RF/AF, transmitter battery level, mute and other status. And built-in electronic volume.

Channels:	Dual Channel
Frequency Stability:	±0.005% (-10°C~50°C)
Carrier Frequency Range:	522MHz~936MHz
Modulation Mode:	FM
Oscillation:	PLL synthesized
Sensitivity:	S/N>60dB at 25 deviation
Output Connector:	XLR balanced & 6.3φ phone unbalanced plug
Antenna connector:	TNC
Bandwidth:	64MHz
Max Deviation Range:	±45KHz
S/N:	>105dB
T.H.D.:	<0.7% @1KHz
Frequency Response:	80Hz-18KHz ±3dB
Operating Range:	80M typical(in open space)
Companding:	Relacart classical audio processing technology
Power Supply:	DC 12V/12W
Dimension(mm):	410(W)x206(D)x43(H)
WeightApproximately:	1.9kg



UH-222
Wireless Handheld Microphone

- Handheld wireless microphone, simple design style, durable metal material, high contrast OLED display, built-in gain adjustment function, mute switch (optional mechanical switch). Microphone modular design, and various features of the capsule module optional, suitable for various occasions such as speech, singing, etc.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Microphone Element	Dynamic/Condenser(removable)
RF Output Power:	10MW/40MW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Microphone Lengths(mm):	52(φ)x255(L)
Weight:	Approximately 235g (w/o battery)



UT-222
Wireless Bodypack Transmitter

- bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function OLED display, built-in input selector switch, can be used to facilitate the instrument. The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	10MW/40MW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension:	84(H) X66(W) X23(D)
Weight:	155g (w/o battery)

Key Features

AFS (Automatic Frequency Selection)

- Press the "AFS" (Auto Frequency Selection) button 3 sec and the receiver will auto-scan and lock on to an open, interference-free frequency.

Super Wide Frequency Range

- Super wide frequency range 522MHz~936 MHz, with AFS function, dual channel receiving circuit of true diversity reception.

IR Infrared

- Press [IR] button to upload automatically the receiver frequency to the transmitter.

Univesal Propergy

- the capsule of the handheld microphone is detachable, can choose dynamic or condenser capsule, even can change to the famous international brand microphone capsule.

Flexibility

- The handheld microphone: novel design, OLED display screen, showing battery level, working channel and frequency. The tube is made by durable alloy, effectively protecting the circuit element and battery rack, and with ergonomic grip.
- The new optimized circuit design, good sound quality, transmission distance is longer and more stable
- The capsule of handheld microphone can be removed and replaced, and the condenser or dynamic capsule can be used. It's compatible with SHURE SM-58 capsule. Using 6.3 mm unbalanced output and XLR balanced output synchronization output design, convenient to connect all kinds of audio processing equipment

Energy Conservation

- Precise low consumption circuit design, use two AA alkaline battery, the battery life is twice as common one.

Anti-Interference

- PLL(Phase Lock Loop frequency control) design combine "IP address" and "noise detection" mute control function, which can effectively block noise and radio frequency interference in the working environment, like the computer equipment, karaoke machine and DVD, etc.

UR-223S

UR SINGLE-CHANNEL TRUE DIVERSITY WIRELESS MICROPHONE SYSTEM



UR-223S series of condensed the technology essence that Relacart accumulated over a long period. With advanced technology, stable performance, elaborate appearance, convenient operation and superior professional quality to win the market. This series is suitable for high requirement night club, multi-function room, hotels, conference room and small to medium performance.

Key Features



AFS (Automatic Frequency Selection)

- Press the "AFS" (Auto Frequency Selection) button 3 sec and the receiver will auto-scan and lock on to an open, interference-free frequency.



Super Wide Frequency Range

- Super wide frequency range 522MHz~936 MHz, CPU intelligent antenna diversity.
- Four frequency bands, 40 frequency groups, more than 400 frequencies for selection.



IR Infrared

- Press [IR] button to upload automatically the receiver frequency to the transmitter.



Energy Conservation

- Precise low consumption circuit design, use two AA alkaline battery, the battery life is twice as common one.



Flexibility

- The handheld microphone: novel design, OLED display screen, showing battery level, working channel and frequency. The tube is made by durable alloy, effectively protecting the circuit element and battery rack, and with ergonomic grip.
- The new optimized circuit design, good sound quality, transmission distance is longer and more stable
- The capsule of handheld microphone can be removed and replaced, and the condenser or dynamic capsule can be used. It's compatible with SHURE SM-58 capsule. Using 6.3 mm unbalanced output and XLR balanced output synchronization output design, convenient to connect all kinds of audio processing equipment



Anti-Interference

- PLL(Phase Lock Loop frequency control) design combine "IP address" and "noise detection" mute control function, which can effectively block noise and radio frequency interference in the working environment, like the computer equipment, karaoke machine and DVD, etc.

Product Specification



UR-223S

Single Channel Wireless Receiver

- 1/2 EIA standard 1U metal rack receiver chassis, offering new style and simple LCD display;
- Bright LCD display can simultaneously display the working channel or frequency, RF & AF signal status, transmitter battery consumption as well as mute level.

Channels:	Single Channel
Frequency Stability:	±0.005% (-10°C~50°C)
Carrier Frequency Range:	554MHz~936MHz
Modulation Mode:	FM
Oscillation:	PLL synthesized
Sensitivity:	5dBμV, S/N>60dB at 25 KHz deviation
Output Socket:	XLR balance type or φ6.3mm unbalanced socket
Bandwidth:	32MHz
Max Deviation Range:	±45KHz
S/N:	>105dB
T.H.D:	<0.7% @1KHz
Frequency Response:	80Hz-18KHz ±3dB
Operating Range:	60M typical(in open space)
Power Supply:	DC 12~18V/1A
Dimension(mm):	205(W)×206(D)×43(H)
WeightApproximately:	1.0kg



UR-222

Wireless Handheld Microphone

- Handheld wireless microphone, simple design style, durable metal material, high contrast OLED display, built-in gain adjustment function, mute switch (optional mechanical switch). Microphone modular design, and various features of the capsule module optional, suitable for various occasions such as speech, singing, etc.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Microphone Element	Dynamic/Condenser(removable)
RF Output Power:	10MW/40MW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Microphone Lengths(mm):	52(Φ)×255(L)
Weight:	Approximately 235g (w/o battery)



UR-222

Wireless Bodypack Transmitter

- bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function OLED display, built-in input selector switch, can be used to facilitate the instrument. The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	10MW/40MW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension:	84(H) X66(W) X23(D)
Weight:	155g (w/o battery)

UR-222D

UR DUAL-CHANNEL ANTENNA DIVERSITY WIRELESS MICROPHONE SYSTEM



UR-222D Series of condensed the technology essence that Relacart accumulated over a long period. With advanced technology, sophisticated design, stable performance, with beautiful appearance, convenient operation and attractive price, with superior professional quality to win the market competition. This series is suitable for the nightclub of high requirements, multi-functional hall, hotel, conference room and small to medium performance.

Product Specification



UR-222D

Dual Channel Wireless Receiver

- EIA standard 1U metal rack receiver chassis, offering new style and simple LCD display;
- Bright LCD display can simultaneously display the working channel or frequency, RF & AF signal status, transmitter battery consumption as well as mute level.
- Antenna output with 8VDC

Main Frame Size	EIA standard 1U
Channels	Dual Channel
Frequency Stability	±0.005%(-10~50°C)
Carrier Frequency Range	522MHz~936MHz
Modulation Mode	FM
Oscillation	PLL synthesized
Sensitivity	S/N>60dB at 25 deviation
Bandwidth	32MHz
Max Deviation Range	±45KHz
S/N	>105dB
T.H.D	<0.7%@1KHz
Frequency Response	80Hz-18KHz ±3dB
Operating Range	80M typical(in open space)
Power Supply	DC 12V/12W
Dimension(mm)	410(W)x206(D)x43(H)
Weight	Approximately 1.9kg

Key Features



AFS (Automatic Frequency Selection)

- Press the "AFS" (Auto Frequency Selection) button 3 sec and the receiver will auto-scan and lock on to an open, interference-free frequency.



Super Wide Frequency Range

- UHF 554-936MHz operating frequency range, with AFS (Auto Frequency selection) function, dual-channel diversity reception, frequency-selective greater.



IR Infrared

- Press [IR] button to upload automatically the receiver frequency to the transmitter.



Univesal Propergy

- 134MHz transmitter, specially designed for capable of full frequency range transmission.



Flexibility

- The handheld microphone: novel design, OLED display screen, showing battery level, working channel and frequency. The tube is made by durable alloy, effectively protecting the circuit element and battery rack, and with ergonomic grip.
- The new optimized circuit design, good sound quality, transmission distance is longer and more stable
- The capsule of handheld microphone can be removed and replaced, and the condenser or dynamic capsule can be used. It's compatible with SHURE SM-58 capsule. Using 6.3 mm unbalanced output and XLR balanced output synchronization output design, convenient to connect all kinds of audio processing equipment



Energy Conservation

- Accurate low consumption circuit design, battery life is twice as common one.



Anti-Interference

- PLL(Phase Lock Loop frequency control) design ensures transmission reliability, "NoiseLock" squelch effectively blocks stray RF.



UH-222

Wireless Handheld Microphone

- Handheld wireless microphone, simple design style, durable metal material, high contrast OLED display, built-in gain adjustment function, mute switch (optional mechanical switch). Microphone modular design, and various features of the capsule module optional, suitable for various occasions such as speech, singing, etc.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Microphone Element	Dynamic/Condenser(removable)
RF Output Power:	10MW/40MW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Microphone Lengths(mm):	52(Φ)x255(L)
Weight:	Approximately 235g (w/o battery)



UT-222

Wireless Bodypack Transmitter

- bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function OLED display, built-in input selector switch, can be used to facilitate the instrument. The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	10MW/40MW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension:	84(H) X66(W) X23(D)
Weight:	155g (w/o battery)

UR-222S

UR SINGLE-CHANNEL ANTENNA DIVERSITY WIRELESS MICROPHONE SYSTEM



UR-222S Series of condensed the technology essence that Relacart accumulated over a long period. With advanced technology, sophisticated design, stable performance, with beautiful appearance, convenient operation and attractive price, with superior professional quality to win the market competition. This series is suitable for the nightclub of high requirements, multi-functional hall, hotel, conference room and small to medium performance.

Key Features

AFS (Automatic Frequency Selection)

- Press the "AFS" (Auto Frequency Selection) button 3 sec and the receiver will auto-scan and lock on to an open, interference-free frequency.

IR Infrared

- Press [IR] button to upload automatically the receiver frequency to the transmitter.

Flexibility

- The handheld microphone: novel design, OLED display screen, showing battery level, working channel and frequency. The tube is made by durable alloy, effectively protecting the circuit element and battery rack, and with ergonomic grip.
- The new optimized circuit design, good sound quality, transmission distance is longer and more stable
- The capsule of handheld microphone can be removed and replaced, and the condenser or dynamic capsule can be used. It's compatible with SHURE SM-58 capsule. Using 6.3 mm unbalanced output and XLR balanced output synchronization output design, convenient to connect all kinds of audio processing equipment

Super Wide Frequency Range

- UHF 554-936MHz operating frequency range, with AFS (Auto Frequency selection) function, single-channel diversity reception, frequency-selective greater.

Univesal Propergy

- 134MHz transmitter, specially designed for capable of full frequency range transmission.

Energy Conservation

- Accurate low consumption circuit design, battery life is twice as common one.

Anti-Interference

- PLL(Phase Lock Loop frequency control) design ensures transmission reliability, "NoiseLock" squelch effectively blocks stray RF.

Product Specification



UR-222S

Single Channel Wireless Receiver

- 1/2 EIA standard 1U metal rack receiver chassis, offering new style and simple LCD display;
- Bright LCD display can simultaneously display the working channel or frequency, RF & AF signal status, transmitter battery consumption as well as mute level.
- Antenna output with 8VDC

Main Frame Size	EIA standard 1/2 U
Channels	Single Channel
Frequency Stability	±0.005%(-10~50°C)
Carrier Frequency Range	522MHz~936MHz
Modulation Mode	FM
Oscillation	PLL synthesized
Sensitivity	6dBμV, 5/N>60dB at 25 deviation
Bandwidth	32MHz
Max Deviation Range	±45KHz
S/N	>105dB
T.H.D	<0.7%@1KHz
Frequency Response	80Hz-18KHz ±3dB
Operating Range	80M typical(in open space)
Power Supply	DC 12V/12W
Dimension(mm)	410(W)x206(D)x43(H)
Weight:	Approximately 1.0kg
Output Connector:	XLR balanced & 6.3φ phone jack unbalanced



UH-222

Wireless Handheld Microphone

- Handheld wireless microphone, simple design style, durable metal material, high contrast OLED display, built-in gain adjustment function, mute switch (optional mechanical switch). Microphone modular design, and various features of the capsule module optional, suitable for various occasions such as speech, singing, etc.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Microphone Element	Dynamic/Condenser(removable)
RF Output Power:	10MW/40MW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Microphone Lengths(mm):	52(φ)x255(L)
Weight:	Approximately 235g (w/o battery)



UT-222

Wireless Bodypack Transmitter

- bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function OLED display, built-in input selector switch, can be used to facilitate the instrument. The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	10MW/40MW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension:	84(H) X66(W) X23(D)
Weight:	155g (w/o battery)

UR-112D

UR DUAL-CHANNEL ANTENNA DIVERSITY WIRELESS MICROPHONE SYSTEM



UR-112D series is a dual-channel true diversity wireless microphone, true diversity receiving mode is more stable, automatic signal selection, eliminating receiving dead angle, to avoid the phenomenon of frequency drop. This series is specially designed for singing, with wide frequency response, rich sound quality, roundness and fullness, and powerful vocal expression. Cardioid directional sound pick-up, high sensitivity, while reducing environmental noise pick-up, high fidelity timbre, suitable for karaoke, bars, nightclubs, clubs, and small to medium size performance.

Key Features

AFS(Automatic Frequency Selection)

Press the "AFS" (Auto Frequency Selection) button 3 sec and the receiver will auto-scan and lock on to an open, interference-free frequency.

IR Infrared

Press [IR] button to upload automatically the receiver frequency to the transmitter.

Anti-Interference

PLL(Phase Lock Loop frequency control) design ensures transmission reliability, "NoiseLock" squelch effectively blocks stray RF.

Signal stability

The hardware circuit of the whole system is controlled by amicrocomputer, and the selected computer technology is used to calculate the frequency of no interference with each other, so that the performance of the whole system is more stable, and it is not easy to occur the phenomenon of frequency offset and interruption.

Super Wide Frequency Range

522-936 MHz operating frequency range, with AFS (Auto Frequency selection) function, dual-channel reception, frequency-selective greater.
Each channel with 32 adjustable frequencies, total 64 adjustable frequencies for dual channels, 24 frequency groups provides 768 selectable frequencies for users.

Universal Property

134MHz transmitter, four different frequency bands transmitter can be used at random, which is very convenient for debugging and management.

LCD LCD Display

Bright and easy-to-read LCD display show RF/AF signal strengths, transmitter battery consumption, can set channel, frequency, frequency group, user name, mute level, etc.

Energy Conservation

Accurate low consumption circuit design, battery life is twice as common one.

Product Specification



UR-112D
Dual Channel Wireless Receiver

- EIA standard 1U metal rack receiver chassis.
- Bright LCD display can simultaneously display the working channel or frequency, RF & AF signal status, transmitter battery consumption as well as mute level.

Main Frame Size:	EIA standard 1U
Channels:	Dual Channel
Frequency Stability:	±0.005% (-10°C~50°C)
Carrier Frequency Range:	554MHz~936MHz
Modulation Mode:	FM
Oscillation:	PLL synthesized
Sensitivity:	6dBμV, S/N>60dB at 25 deviation
Band Width:	32MHz
Max Deviation Range:	±45KHz
S/N:	>100dB
T.H.D.:	<0.5% @1KHz
Frequency Response:	63Hz-18KHz ±3dB
Operating Range:	80M typical (in open space)
Power Supply:	DC 12V/7W
Weight:	Approximately 1.8kg
Dimension(mm):	410(W)x206(D)x43(H)
Output socket:	XLR balanced & 6.3 unbalanced



EH-608/W
Wireless Handheld Microphone

- Fashionable design, the tube is made by durable alloy, effectively protect the inner components, ergonomic grip.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤45dBm
Bandwidth:	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
RF Output Power:	10MW/40MW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Microphone Lengths:	52(φ)x255(L)
Weight:	Approximately 285g (w/o battery)



ET-60
Wireless Bodypack Transmitter

- Bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function LCD display, built-in input selector switch, can be used to facilitate the instrument. The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth:	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	10MW/40MW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension:	84(H) X66(W) X23(D)
Weight:	116g (w/o battery)



UD-1
Wireless Conference Microphone

- Desktop gooseneck wireless conference microphone, simple design, durable metal material, multi-function LCD display, built-in high-pass filter and gain adjustment, silent touch switch. Suitable for various applications in government departments, institutions, etc.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth:	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
RF Output Power:	13mW
Battery:	AAx2
Current Consumption:	130mA(Typical)
Battery Current/ Life:	Approximately 9 hours
Microphone Lengths:	340/420(default)/480
Weight:	Approximately 830g (w/o battery)
Color:	Nickel Black

UR-111D

UR DUAL-CHANNEL ANTENNA DIVERSITY WIRELESS MICROPHONE SYSTEM



UR-111D Series of condensed the technology essence that Relacart accumulated over a long period. With advanced technology, sophisticated design, stable performance, with beautiful appearance, convenient operation and attractive price, with superior professional quality to win the market competition. This series is suitable for the nightclub of high requirements, multi-functional hall, hotel, conference room and small to medium performance.

Key Features

AFS(Automatic Frequency Selection)

- International EIA 1U metal chassis, combined with new-style compact and elegance LCD display.

IR Infrared

- Bright and easy-to-read LCD display shows working frequency or channel, RF/AF, diversity strengths; transmitter battery level, mute and built-in electronic volume.

Anti-Interference

- Super wide frequency range 522MHz~936 MHz, automatic frequency selection, CPU intelligent antenna diversity receiving.
- "AFS" Automatic frequency selection function, Press the "AFS"(Auto Frequency Selection) button 3S and the receiver will auto-scan and lock on to an open, interference-free frequency.
- Press [IR] button to upload the receiver frequency to the transmitter automatically.

Super Wide Frequency Range

- Stable PLL (Phase Lock Loop frequency control) circuit, combining "IP address" and "Noise Lock" mute control function, can effectively separate the RF interference from computer equipment, song machine and DVD in the working environment.
- The receiver's bandwidth is 32MHz and up to 10 systems can be used simultaneously within 32MHz range
- 134MHz wide bandwidth transmitter, greatly convenient for debugging and management

Energy Conservation

- Precise low-power circuit design, use two AA alkaline battery, battery life is one time longer as common.

Product Specification



UR-111D
Dual Channel Wireless Receiver

- EIA standard 1U metal rack receiver chassis, offering new style and simple LCD display.
- Bright LCD display can simultaneously display the working channel or frequency, RF&AF signal stats, transmitter battery consumption as well as mute level.

Main Frame Size:	EIA STANDARD 1U
Channels:	Dual Channel
Frequency Stability:	±0.005% (0~50°C)
Carrier Frequency Range:	522MHz~936MHz
Modulation Mode:	FM stereo modulation
Oscillation:	PLL synthesized
Receiving Sensitivity:	5dBμV, S/N>60dB
Band Width:	at 25 deviation 32MHz
Max. Deviation Range:	±45KHz
S/N:	>105dB
T.H.D.:	<0.7%@1KHz
Frequency response:	80Hz~18KHz ±3dB
Operating Range:	80~100M typical (in open space)
Power Supply:	DC 12V / 12W
Weight:	1.9kg
Dimension (mm):	410(W)x206(D)x43(H)
Output Connector:	XLR balanced & 6.3φ phone jack unbalanced



UH-1
Wireless Handheld Microphone

- Handheld wireless microphone, simple design style and ergonomic concept, durable metal material, multi-function LCD display. Touch switch design. The capsule of handheld microphone can be removed and replaced. It's suitable for speech, singing and other occasions.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL synthesized
Harmonic radiation:	≤45dBm
Bandwidth:	134MHz (It depends on the region)
Max.Deviation Range:	±45KHz
Microphone Element:	Cardioid Dynamic / Cardioid Condenser
RF Power Output:	8mW/15mW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current / Life:	Approximately 10hours
Dimension:	52(Φ) X 255L
Weight:	208g (w/o battery)



ET-60
Wireless Bodypack Transmitter

- Bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function LCD display, built-in input selector switch, can be used to facilitate the instrument. The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	10MW/40MW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension:	84(H) X66(W) X 23(D)
Weight:	116g (w/o battery)



UD-1
Wireless Conference Microphone

- Desktop gooseneck wireless conference microphone, simple design, durable metal material, multi-function LCD display, built-in high-pass filter and gain adjustment, silent touch switch. Suitable for various applications in government departments, institutions, etc.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
RF Output Power:	13mW
Battery:	AAx2
Current Consumption:	130mA(Typical)
Battery Current/ Life:	Approximately 9 hours
Microphone Lengths:	340/420(default)/480
Weight:	Approximately 830g (w/o battery)
Color:	Nickel Black

UR-111S

UR SINGLE-CHANNEL WIRELESS MICROPHONE SYSTEM



UR-111S Series of condensed the technology essence that Relacart accumulated over a long period. With advanced technology, sophisticated design, stable performance, with beautiful appearance, convenient operation and attractive price, with superior professional quality to win the market competition. This series is suitable for the nightclub of high requirements, multi-functional hall, hotel, conference room and small to medium performance.

Key Features

AFS(Automatic Frequency Selection)

• Press the "AFS" (Auto Frequency Selection) button 3 sec and the receiver will auto-scan and lock on to an open, interference-free frequency.

IR Infrared

• Press [IR] button to upload automatically the receiver frequency to the transmitter.

Anti-Interference

• PLL(Phase Lock Loop frequency control) design ensures transmission reliability, "NoiseLock" squelch effectively blocks stray RF.

Super Wide Frequency Range

• UHF 522-936MHz operating frequency range, with AFS (Auto Frequency selection) function, dual-channel reception, frequency-selective greater.
• Each channel with 32 adjustable frequencies, total 64 adjustable frequencies for dual channels, 24 frequency groups provides 768 selectable frequencies for users.

Universal Property

• 134MHz transmitter, specially designed for capable of full frequency range transmission.

Energy Conservation

• Accurate low consumption circuit design, battery life is twice as common one.

Product Specification



UR-111S

Single Channel Wireless Receiver

- 1/2 EIA standard 1U metal rack receiver chassis, offering new style and simple LCD display;
- Bright LCD display can simultaneously display the working channel or frequency, RF & AF signal status, transmitter battery consumption as well as mute level.

Main Frame Size	EIA standard 1/2 U
Channels	Single Channel
Frequency Stability	±0.005%(-10~50°C)
Carrier Frequency Range	554MHz~936MHz
Modulation Mode	FM stereo modulation
Oscillation	PLL synthesized
Sensitivity	5dBμV, S/N>60dB at 25 deviation
Bandwidth	32MHz
Max Deviation Range	±45KHz
S/N	>105dB
T.H.D	<0.7%@1KHz
Frequency Response	45Hz-18KHz ±3dB
Operating Range	60M typical(in open space)
Power Supply	DC 12V/12W
Dimension(mm)	205(W)x206(D)x43(H)
Weight:	Approximately 1.0kg
Output Connector:	XLR balanced & 6.3φ phone jack unbalanced



UH-1

Wireless Handheld Microphone

- Handheld wireless microphone, simple design style and ergonomic concept, durable metal material, multi-function LCD display. Touch switch design. The capsule of handheld microphone can be removed and replaced. It's suitable for speech, singing and other occasions.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL synthesized
Harmonic radiation:	≤45dBm
Bandwidth:	134MHz (It depends on the region)
Max.Deviation Range:	±45KHz
Microphone Element:	Cardioid Dynamic / Cardioid Condenser
RF Power Output:	8mW/15mW
Battery:	AA X 2
Current Consumption:	110mA(Typical)
Battery Current / Life:	Approximately 10hours
Dimension:	52(Φ) X 255L
Weight:	208g (w/o battery)



ET-60

Wireless Bodypack Transmitter

- Bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function LCD display, built-in input selector switch, can be used to facilitate the instrument. The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	10MW/40MW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension:	84(H) X66(W) X 23(D)
Weight:	116g (w/o battery)



UD-1

Wireless Conference Microphone

- Desktop gooseneck wireless conference microphone, simple design, durable metal material, multi-function LCD display, built-in high-pass filter and gain adjustment, silent touch switch. Suitable for various applications in government departments, institutions, etc.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
RF Output Power:	13mW
Battery:	AAx2
Current Consumption:	130mA(Typical)
Battery Current/ Life:	Approximately 9 hours
Microphone Lengths:	340/420(default)/480
Weight:	Approximately 830g (w/o battery)
Color:	Nickel Black

PM-320 | WIRELESS IN-EAR MONITOR SYSTEM



PM-320 is a wireless monitoring system for stage performances and audio broadcasting, and a wireless listening system for large simultaneous interpretation conferences. High-fidelity sound, advanced electronic processing technology instead of the traditional complicated and heavy monitoring equipment, eliminate the howling from the monitoring equipment, and make the performance reliable and perfect.



- The housing of PM-320R receiver is made of light-weight and tough alloy materials.
- Exquisite and simple OLED multifunctional display.
- The receiver uses the UHF frequency band, and the CPU controls diversity reception to reduce dead spots and ensure stable reception.
- With headphone monitoring output.
- With long transmission distance, it is suitable for various occasions.

Receiving method:	Antenna diversity reception
Channel:	single channel
Frequency stability:	± 0.005% (0 ~ 50 °C)
Carrier frequency range:	554MHz ~ 936 MHz
Modulation mode:	FM (wideband stereo)
Working range:	100 meters (in open space)
Oscillation:	PLL phase locked frequency synthesis
Sensitivity:	6dBuV, S / N > 60dB at 25KHz deviation
Bandwidth:	32MHz (1280 frequencies, 25 KHz step in tune)
Max. Deviation Range:	± 48KHz
Comprehensive S / N :	> 100dB
Comprehensive T.H.D.:	<0.9%@1KHz
Comprehensive Frequency Response:	50Hz-15KHz ± 3dB
Stereo Separation:	≥45dB, at 1KHz
Output connector:	φ3.5mm stereo headphone connector
Output power:	2x150mW at 1KHz (T.H.D. : 3%)
Battery:	AAx2
Current consumption:	185mA (typical)
Battery life:	about 7 hours
Dimension (mm):	90 (H) x 65(W) x 23(D)
Weight:	approximately 190g

PM-320R Stereo Mini Receiver



- Metal 1/2 EIA standard 1U case.
- The bandwidth is 32MHz and there are 1280 adjustable frequencies. 1-10 Channel groups, more than 180 fixed frequencies for choose. Channel groups U1-U5 can set and save frequencies freely.
- Stereo and mono selection
- Treble boost function, limit control function
- The stable PLL phase-locked oscillation circuit, combined with the "noise lock" squelch can effectively block stray RF.

Main Frame Size:	½ EIA standard 1U
Channel:	single channel
Frequency stability:	± 0.005% (-10~ 50°C)
Carrier frequency range:	554MHz ~ 936 MHz
Modulation mode:	FM (wideband stereo)
Output power:	30mW-50mW
Oscillation:	PLL phase locked frequency synthesis
Bandwidth:	32MHz
Harmonic radiation:	60dB below the main wave
Max. Deviation Range:	± 50KHz
Comprehensive S / N :	>100dB
Comprehensive T.H.D.:	<0.9%@1KHz
Comprehensive Frequency Response:	50Hz-15KHz ± 3dB
Audio Input:	Line level x 2, XLR and φ6.3mm compound jack
Audio Output:	φ6.3mm balanced jack x2
Dimension(mm):	206 (W) x43(H) x206(D)
Weight:	1.0kg

PM-320T Stereo Transmitter

R-14D | ANTENNA DISTRIBUTION SYSTEM



R-14D is a dual quadripartition antenna distribution system with super wide frequency band, strong power output as well as ultra low distortion. Advanced technology, reliable performance, delicate appearance, compatible to UHF diversity wireless system.



R-14D Antenna Distribution System

- Support one pair antenna, two to four pieces of Relacart wireless system or other brand wireless system. Simplify the antenna setup and increase system working efficiency.
- Precise circuit design, ultra low noise, low intermodulation distortion, can eliminate the interference from mixed frequency when multiple frequencies are working simultaneously.
- Antenna input jack compatible with R-22AU directional antenna, enabling large area, multiple direction and far distance wireless transmission, make sure the transmission signal is reliable.

Frequency Range	500MHz ~ 950 Mhz
Gain Of Output	0 dB ±1dB
Input Impedance	50Ω
Output Impedance	50Ω
Power Supply of Antenna Input	+8+V DC
Power Supply Of Receiver	Each antenna input port supplies bias +12V DC, 150mA max.
Current Drain	800mA
Power Supply	100-240V, AC 50/60 Hz
Dimensions (mm)	410(W)x206(D)x43(H)
Weight	2.5KG



R-32AU Wide-band Directional Antenna

- Light weight appearance, convenient for carrying and set up.
- With high direction gain, enhance the receiving signal.
- Built-in Antenna Booster.

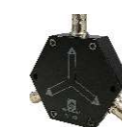
Antenna frequency range	480MHz ~ 950 Mhz
Amplifier frequency range	480MHz ~ 950 MHz
Antenna directionality	Cardioid
Antenna polarization mode	line
Antenna gain	≥6.5dB
Antenna standing wave ratio	<2
Amplifier gain	0 to 15dB
Amplifier low noise	<0.45dB
Amplifier OIP3	>38dBm
External power supply	6-12VDC
Current	75mA
Connector port	BNC female
Dimensions (mm)	332(L)x304(W)x3(H)
Weight	about 715g



R-22AU Wide-band Directional Antenna

- Light weight appearance, convenient for carrying and set up.
- With high direction gain, enhance the receiving signal.
- Built-in Antenna Booster.

CarrierFrequency Range	620MHz ~ 960 MHz
Gain Of Output	6dBi
Connector	BNC Female
Dimension(mm)	245(H)x236(W)x31(D)
Weight	220g



R-12S Antenna divider/hub

- R-12S can separate 1 RF signal to 2 RF signals output or combine 2 RF signals to 1 RF signal output. Also it is a RF signal amplifier can transfer the offset voltage to front, is an ideal antenna system accessory.

Frequency Range	400MHz ~ 1000 Mhz
Attenuation	-3.5dB, 1dB
Insulate	>-20dB
Impedance	50 ohm
Voltage/Current	50V DC/1.50A
Connector	BNC
Dimension(mm)	65(W)x50(L)x20(H)
Weight	approximately 35g

TGS-6 | WIRELESS TOUR GUIDE MICROPHONE SYSTEM



Relacart TGS-6 Wireless Tour Guide Microphone System adopts UHF high-fidelity audio transmission technology to ensure stable use in various indoor and outdoor environments, and output high-quality sound, DSP digital audio companding processing can greatly reduce the noise of the wireless microphone. The innovative magnetic suction and soft rubber design is convenient for users to use, and can be attached to the collar, freeing hands to speak easily.

The transmitter has a built-in microphone and supports EP-01 earphone or other external headphone input, the receiver supports line output and USB digital output, the speaker carries the transmitter, and guests can walk around within a range of 20 meters to achieve the same wireless tour guide function of interpretation.

It is suitable for scenarios such as tour guide introduction, simultaneous translation, and real-time explanation.

Key Features

UHF UHF audio transmission technology

- Works in the UHF frequency band, avoiding WiFi with serious interference, ensuring the stability of the wireless connection and providing high-fidelity audio output

DSP DSP digital audio companding

- 48KHz audio sampling rate to minimize noise in the system wireless connection and providing high-fidelity

External Microphone Expansion

- In addition to the built-in microphone, the external microphone and line input function can also be used, and the receiver and transmitter can independently adjust the volume audio output

Multi-channel switching

- Both transmitter and receiver support one-key channel switching and display in the LED digital display

Magnetic rubber clip

- The innovative design of magnetic suction and soft glue, including a hot shoe magnet specially designed for the camera, makes the product easy to use, close to the collar during interviews or close to objects with iron, nickel and other metals, such as mobile phones, computers, etc., the novel design of magnetic rubber improves the flexibility of users in product application

Lightweight and convenient

- The net weight of the TGS-6 transmitter and receiver is 31.5g each. Compact design, easy to carry

Anti-noise

- The product comes with a special microphone windproof furry to ensure clear sound pickup in outdoor or noisy environments

Product Specification

TGS-6 Receiver



Receiving bandwidth:	470MHz~960MHz;
Receiving mode:	superheterodyne
Image suppression:	45dBm
RF sensitivity:	When input 10dBu, S/N ≥ 45dB
Frequency synchronization method:	manual key setting
Maximum output level (analog):	0.7Vpp
Output level adjustment:	3-level adjustable, attenuated adjustment
Digital audio output:	TYPE-C audio, computer USB audio
Power supply mode:	built-in 3.7V 450mA lithium battery power supply
Normal working current:	100mA
Battery life:	≥ 4 hours when the battery is fully charged
Dimensions(mm):	67 * 32 * 13.5
Net weight:	31.5g

TGS-6 Transmitter



Carrier bandwidth:	470MHz~960MH
Oscillation mode:	PLL frequency synthesis
RF power:	13.5dBm
Carrier error:	0.005%
Harmonic radiation:	-32dBm
FM mode:	FM
Nominal/Maximum Frequency Deviation:	± 65KHz
Maximum input level:	250mV
Input gain adjustment:	3 levels adjustable
Input impedance:	2.2KΩ
Frequency setting:	manual
Power supply mode:	built-in lithium battery or TYPE-C 5V power supply
Normal working current:	100mA
Battery life:	≥ 4 hours when the battery is fully charged
Dimensions(mm):	67 * 32 * 13.5
Net weight:	31.5g

EP01



MC1 | UHF SINGLE-CHANNEL CAMERA MOUNT WIRELESS MICROPHONE SYSTEM

UHF SINGLE-CHANNEL CAMERA MOUNT WIRELESS MICROPHONE SYSTEM



Relacart MC-1 Single channel MINI Wireless Microphone System adopts UHF high-fidelity audio transmission technology, which can maintain stable connection and ensure high-quality audio output even in complex indoor environments and WiFi interference. minimum the noise. DSP digital audio companding processing minimizes the noise of wireless microphones. The back clip adopts an innovative design of magnetic silicone to improve the convenience of users, and is equipped with a magnet designed for the camera so that the MC-1 can be easily attached to the cold shoe. The transmitter not only has a built-in microphone but also supports an external microphone or LINE audio input, and the receiver supports line output and USB digital output, which can be connected to DV, cameras, mobile phones and computers for audio recording. It is suitable for video recording, live streaming, shooting, recording and other scenarios.

Key Features

UHF UHF audio transmission technology

- Works in the UHF frequency band, avoiding WiFi with serious interference, ensuring the stability of the wireless connection and providing high-fidelity audio output

DSP DSP digital audio companding

- 48KHz audio sampling rate to minimize noise in the system wireless connection and providing high-fidelity

External Microphone Expansion

- In addition to the built-in microphone, the external microphone and line input function can also be used, and the receiver and transmitter can independently adjust the volume audio output

Multi-channel switching

- Both transmitter and receiver support one-key channel switching and display in the LED digital display

Magnetic rubber clip

- The innovative design of magnetic suction and soft glue, including a hot shoe magnet specially designed for the camera, makes the product easy to use, close to the collar during interviews or close to objects with iron, nickel and other metals, such as mobile phones, computers, etc., the novel design of magnetic rubber improves the flexibility of users in product application

Lightweight and convenient

- The net weight of the MC-1 transmitter and receiver is 31.5g each. Compact design, easy to carry

Anti-noise

- The product comes with a special microphone windproof furry to ensure clear sound pickup in outdoor or noisy environments

Product Specification

MC1-R
Bodypack wireless receiver



MC1-T
Bodypack wireless transmitter



Receiving bandwidth:	470MHz~960MHz;
Receiving mode:	superheterodyne
Image suppression:	45dBm
RF sensitivity:	When input 10dBu, S/N ≥ 45dB
Frequency synchronization method:	manual key setting
Maximum output level (analog):	0.7Vpp
Output level adjustment:	3-level adjustable, attenuated adjustment
Digital audio output:	TYPE-C audio, computer USB audio
Power supply mode:	built-in 3.7V 450mA lithium battery power supply
Normal working current:	100mA
Battery life:	≥ 4 hours when the battery is fully charged
Dimensions(mm):	67 * 32 * 13.5
Net weight:	31.5g

Carrier bandwidth:	470MHz~960MH
Oscillation mode:	PLL frequency synthesis
RF power:	13.5dBm
Carrier error:	0.005%
Harmonic radiation:	-32dBm
FM mode:	FM
Nominal/Maximum Frequency Deviation:	± 65KHz
Maximum input level:	250mV
Input gain adjustment:	3 levels adjustable
Input impedance:	2.2KΩ
Frequency setting:	manual
Power supply mode:	built-in lithium battery or TYPE-C 5V power supply
Normal working current:	100mA
Battery life:	≥ 4 hours when the battery is fully charged
Dimensions(mm):	67 * 32 * 13.5
Net weight:	31.5g

MS-1 | UHF SINGLE CHANNEL CAMERA MOUNT WIRELESS MICROPHONE SYSTEM



Relacart MS1 is a multifunctional, portable, rugged and durable UHF wireless microphone system, compatible with smartphones (3.5mm interface), Digital/SLR cameras, camcorders, tape recorders, tablet computers and other equipment to assist in picking up high-fidelity audio. It is suitable for various professional applications such as interviews, micro video recording or commercial performances.

The portable receiver has a one-key frequency scanning and infrared synchronization function, allowing you to easily find a clear channel for your device. This true diversity receiver uses dual antennas and receiving circuits to eliminate audio interruption and radio frequency interference, in order to further protect the audio from unnecessary interference. The transmitter supports mic input, enabling the wireless system to provide clean, accurate and pure audio. The receiver is equipped with earphone monitoring, AFS automatic frequency scanning and current application connection scan function, etc. Effective working distance can reach 50m (open and wide occasions).

Key Features

High Fidelity

- UHF wireless transmission, providing high-fidelity audio source
- Mute mode.

OLED

- Using OLED display, high-definition and easy to see.

Anti-Interference

- The pickup distance is up to 50m (up to 50m in an open and non-interference environment, up to 30m in an obstacle-free environment)

Flexibility expansion

- Widely compatible with smart phones, digital/SLR cameras, camcorders, voice recorders, and tablets. 10 switchable frequency points to realize operation without environmental interference.

Universal Property

- The volume of the receiver and transmitter can be adjusted arbitrarily to adapt to the volume level of different devices.
- With real-time earphone monitoring function.

Energy Conservation

- Both the receiver and transmitter are powered by two AA batteries.

Product Specification

MSI-R Receiver



Frequency Response:	80 Hz ~ 15 kHz
Total Harmonic Distortion:	<0.9%
Pilot Frequency:	32.768.kHz
Power Requirement:	2.0 ~ 3.6.V
Operating Temperature:	0°C ~ 55°C
Measure (exclude antenna) (H*W*D):	8*5.8*2cm
Weight:	116g(Without battery)

MSI-T Transmitter



Reference Input Level:	-26dBV
Frequency Response:	80 Hz ~ 15 kHz
S/N:	<100dB
Pilot Frequency:	32.768.kHz
Power Requirement:	2.0 ~ 3.6.V
Operating Temperature:	0°C ~ 55°C
Measure (exclude antenna) (H*W*D):	7*5.08*2cm
Weight:	84g(Without battery)

MS-IP Wireless Plug-on Transmitter



Carrier Bandwidth:	470MHz~960MHz
Oscillation Mode:	PLL frequency synthesis
Transmission Power:	13.5 dBm
Carrier Error:	0.005%
Power Supply:	AA 1.5V x2
Nominal/Maximum	±65KHz
Frequency Deviation:	
Frequency setting:	Manual button setting or infrared transmission
Input Gain Adjustment Range:	4 adjustable settings, every 3dB step
Harmonic Radiation:	-32dBm
Modulation:	FSK
Max. Input Level:	250mV
Input Impedance:	2.2KΩ
Battery Life:	≥11 hours
Normal Working Current:	130mA
Dimensions:	110 x 42 x42(mm)
N.W.(without battery):	125g

CR-1 UHF SINGLE CHANNEL CAMERA MOUNT WIRELESS MICROPHONE SYSTEM



It's a highly cost-effective UHF wireless microphone system, compatible with smart phones (3.5mm interface), digital/SLR cameras, portable cameras, recorders, tablets and other equipment to help pick up high-fidelity audio. It is suitable for interviews, microfilm recording or commercial demonstrations and other applications. The transmitter supports microphone input interface, and the receiver has earphone monitoring function. The effective working distance is about 80 meters in the open space. Both transmitter and receiver have the function of key lock to prevent user from misoperation.

Product Specification

CR-1 UHF Camera Mount Wireless Microphone System

Frequency Range	470MHz~960MHz
Frequency Stability	0.005%
Operating Range (environment dependent)	≥80M
Audio Compression	Digital Audio Compression
Audio Frequency Response	50Hz~1600Hz ±3dB
Dynamic Range	95 dB
S/N	90 dB
T.H.D	≤ 1% @1KHz
Working Temperature Range	-10℃ ~+50℃

CR-1 Receiver

Frequency Range	470MHz~960MHz
Receiving Mode	Superheterodyne
Image Rejection	45dBm
RF Sensitivity	when input is 10dBu, S/N ≥ 45dB
Noise Regulation	built-in setting parameters
Frequency Synchronization	Manual key settings
Max Output Level	LINE:0.5Vpp Phone:1Vpp
Output Level Adjustment Range	30 level for adjustment, attenuation adjustment, Every 2dB step
Output Impedance	400Ω
Power	AA 1.5V x 2
Normal Working Current	3V 150mA
Battery Life	≥ 10 Hours
Dimension	95 x 65 x23 (mm)
Net Weight	100g (without battery)

CB-1 Bodypack Transmitter

Frequency Range	470MHz~960MHz
Oscillation	PLL synthesized
Transmission Power	13.5dBm
Carrier Error	0.005%
Harmonic radiation	-32dBm
Modulation	FSK
Nominal/Maximum Frequency Offset	± 65KHz
Max Input Level	250mV
Input Impedance	2.2KΩ
Input Gain Adjustment Range	4 level adjustment setting, every 3dB step
Frequency Setting	Manual key setting
Power	AA 1.5V x 2
Normal Working Current	AA battery (130mA)
Battery Life	≥ 11 Hours
Dimension (mm)	95 x 65 x23
Net Weight(without battery)	100g

CT-1 Handheld Microphone

Frequency Range	470MHz~960MHz
Oscillation	PLL synthesized
Transmission Power	30mW
Carrier Error	0.005%
Harmonic radiation	-32dBm
Modulation	FSK
Nominal/Maximum Frequency Offset	± 65KHz
Max Input Level	250mV
Input Impedance	2.2KΩ
Input Gain Adjustment Range	4 level adjustment setting, every 3dB step
Frequency Setting	Manual key setting
Power	AA 1.5V x 2
Normal Working Current	130mA
Battery Life	≥ 11 Hours
Dimension (mm)	50(Φ) x233(L)
Net Weight(without battery)	246g

Key Features

High Fidelity

- UHF wireless transmission, providing high fidelity sound source.

Flexibility expansion

- Widely compatible with smart phones, digital SLR cameras, portable cameras, tape recorders, tablets, etc.

DSP DSP audio digital extension

- Digital audio compression of DSP reduces the noise in wireless transmission system to the lowest level.

Universal Property

- The volume of receiver and transmitter can be adjusted arbitrarily to adapt to the volume level of different equipment.
- Real-time monitoring function with headphones.

Anti-Interference

- 10 switchable frequencies to realize the operation without environmental interference.

Energy Conservation

- Receiver and transmitter are powered by two AA batteries.

CR-2

UHF DUAL CHANNEL CAMERA MOUNT WIRELESS MICROPHONE SYSTEM



A highly cost-effective dual channel UHF wireless microphone system that is compatible with smart phones (3.5mm interface), digital / SLR cameras, camcorders, recorders, tablet computers and other devices to help pick up high-fidelity audio. This product is suitable for interviews, Micro movie recording or business presentations. The main feature is that both the transmitter and receiver use high-brightness OLED displays to display corresponding product information and support Chinese and English language selection. The infrared is automatically SYNC and locked to the selected application frequency. The transmitter supports Mic and Line interfaces, volume adjustment, RF output power adjustment and so on. The receiver supports headphone and output volume adjustment, with AFS function. Working range is about 60 meters.

Key Features

High Fidelity

- UHF dual channels wireless transmission, providing high-fidelity audio source

IR Infrared

- The infrared is automatically SYNC and locked to the selected application frequency.

Anti-Interference

- Multiple switchable frequency or use AFS function to achieve operation without environmental interference
- The transmit power is adjustable

Widely compatible

- Widely compatible with smart phones, digital SLR cameras, camcorders, voice recorders, and personal computers;

Real-time Monitoring

- Output volume and monitor headphone volume can be adjusted independently
- The transmitter supports Mic and Line interfaces, volume adjustment, RF output power adjustment and so on. The receiver supports headphone and output volume adjustment, with AFS function. Working range is about 60 meters.

DSP DSP Digital Audio Companding

- DSP digital audio companding, using 48KHz audio sampling rate, to minimize noise in the wireless transmission system

Convenient Design

- Use OLED display to display corresponding product information, brightness can be adjusted, and support Chinese and English language selection
- The receiver and transmitter are powered by two AA batteries

Product Specification

CR-2R Receiver



Frequency Range:	470~960MHz
Receiving Mode:	superheterodyne
Image Rejection:	45dBm
RF Sensitivity:	When input 10dBu, S / N ≥45dB
Squelch Adjustment:	Built-in setting parameters
Frequency Synchronization:	Manual key setting or infrared transmission
Maximum output Level:	LINE: 0.5Vpp Phone: 1Vpp
Adjustment range of audio output level:	9 levels adjustable, attenuation adjustment, every 2dB step
Output impedance	400Ω
Power Requirements	AA 1.5V x 2
current consumption	3V 160mA
Battery Life	≥7 hours
Overall Dimensions (mm)	95 x 65 x 23
Net Weight	110g(without battery)

CB-2 Bodypack Transmitter



Frequency Range:	470~960MHz
Oscillation:	PLL synthesized
RF Output Power:	13.5dBm
Carrier deviation:	0.005%
Harmonic emissions:	-32dBm
Modulation:	FSK
Nominal/ Peak deviation:	± 65KHz
Max. Input Level:	250mV
Impedance:	2.2KΩ
Gain Adjustment Range:	4 levels of adjustable settings, every 3dB step
Frequency Set-Up:	Manual key setting or infrared transmission
Power Requirements:	AA 1.5V x 2
current consumption:	battery powered:130mA
Battery Life:	≥ 11 hours
Overall Dimensions (mm):	95 x 65 x 23
Net Weight :	100g(without battery)

CP-2 Wireless Plug-on Transmitter



Frequency Range:	470~960MHz
Oscillation:	PLL synthesized
RF Output Power:	13.5dBm
Carrier deviation:	0.005%
Harmonic emissions:	-32dBm
Modulation:	FSK
Nominal/ Peak deviation:	± 65KHz
Max. Input Level:	250mV
Impedance:	2.2KΩ
Gain Adjustment Range:	4 levels of adjustable settings, every 3dB step
Frequency Set-Up:	Manual key setting or infrared transmission
Power Requirements:	AA 1.5V x 2
current consumption:	battery powered:130mA
Battery Life:	≥ 11 hours
Overall Dimensions (mm):	110 x 42 x 42
Net Weight :	125g(without battery)

HCR-30D

TRUE DIVERSITY CAMERA
WIRELESS RECEIVER SYSTEM



HCR-30D is a wireless microphone system specially designed for professional cameras. At the same time, the intelligent channel diversity receiver can be divided into single channel true diversity and dual channels antenna diversity switching. Mainly used in professional video cameras, with wireless handheld microphones or wireless bodypacks, the camera can avoid the ties of the microphone signal line during recording, make the distance between the audio and video more closely combined, achieve the recording effect of the original sound reproduction, and ensure the camera's sound quality. Motorized operation, more flexible, convenient and safe to use.

System performance characteristics

Key Features

The new design

- With sturdy and waterproof aluminum alloy shell, it can meet professional quality requirements. The new technology OLED display screen can display the working status of transmitter battery, radio frequency and audio at the same time. wireless connection and providing high-fidelity audio output
- Adopt SMA flexible antenna and antenna connector with adjustable angle of 1/4 wavelength.
- With "Panasonic" and "SONY" two kinds of output modules that are easy to remove and replace the fixed bracket, it is easy to install and use on different cameras.
- Equipped with ultra-quiet electronic touch switch, which can avoid the mechanical sound amplification of the switch.

DSP DSP audio extension algorithm

- Adopt Relacart's own DSP audio expansion algorithm to minimize the noise brought by the wireless transmission process and restore the best sound. The audio output of the receiver can be set to output in multiple modes (Both Mix, Mix 1, Mix 2, Audio Split). The hand-held microphone has a simple design, is dexterous and lightweight, showing a humanized soft grip.

PLL PLL phase locked oscillation circuit

- Stable PLL phase-locked oscillator circuit, combined with the "noise detection" mute control function, can effectively block the noise and radio frequency interference in the working environment.

True diversity reception

- Ultra-wideband UHF 522MHz~936MHz, true diversity reception.

[AFS] Automatic frequency search

- It has the function of [AFS] to automatically search for the cleanest and freest frequency in the actual environment.

[IR] Infrared automatic frequency adjustment

- With [IR] infrared automatic frequency matching function.

High precision circuit

- The hardware circuit of the whole system is controlled by a microcomputer, and the advanced computer technology is used to Calculate the frequencies that do not interfere with each other, so that the performance of the whole system is more stable, And it is not easy to appear frequency offset, frequency interruption and other phenomena.

The long-term life

- Precise low-consumption circuit design makes the battery life twice as long as that of ordinary microphones.

Product Specification



UCR-30D

True Diversity Camera
Wireless Receiver System

Reception mode:	true diversity reception
Carrier frequency band:	522MHz~936MHz
Frequency stability:	±0.005%
Modulation method:	FM
Effective working distance:	generally 100 meters (open space)
Oscillation mode:	PLL phase locked frequency synthesis
Sensitivity:	S/N >76 dB at 6 dBuV input at offset equal to 25 KHz
Bandwidth:	32MHz
Max.Deviation Range:	±75KHz
Sampling rate:	ADC 24-bit, DAC 24-bit, sampling rate 96 KHz
Comprehensive S/N ratio:	>105dB
Comprehensive T.H.D:	<0.7%@1KHz
Comprehensive frequency response:	80Hz-18KHz ±3dB
Output interface:	Panasonic + Sony
Power supply:	DC7V/280mA-18V/220mA
Current consumption:	180mA (typ.)
Working temperature:	-25° ~ 60°C
Dimensions(mm):	110(H)x73(W)x28(D)
Weight:	about 210g



UH-2

Handheld Microphone

- Handheld wireless microphone, simple design style, durable metal material, high contrast OLED display, built-in gain adjustment function, humanized mechanical switch, microphone module design, and a variety of characteristics of the sound head module can be matched, suitable for speech, singing and other occasions.

Carrier Frequency Range:	470MHz~960MHz
Harmonic radiation:	<45dBm
Bandwidth:	Single-band 134MHz
Modulation Mode:	FM
Audio compression:	Relacart classic audio compression circuit
Capsule:	Dynamic or Condenser, Cardioid
RF Power Output:	10mW / 30mW
Battery:	AA x2
Current Consumption:	130mA (typical)
Battery life:	Approximately 8 hours
Dimensions(mm):	52(Φ)x255(L)
Weight (without battery):	Approximately 235g



UT-2A

Wireless Bodypack Transmitter

- Contracted design style, solid and dural metal material, high contrast OLED display. Built-in gain adjustment function.
- Standard Mini XLR microphone interface, suitable for the headset mic and clip mic of a variety of well-known brand in the market. Suitable for application in speech, singing and other occasions

Carrier Frequency Range:	470MHz~960MHz
Harmonic radiation:	<45dBm
Bandwidth:	Single-band 134MHz
Modulation Mode:	FM
Audio compression:	Relacart classic audio compression circuit
Input Connector:	4-pin mini-XLR connector. Input gain 3 levels adjustable
RF Power Output:	10mW / 30mW
Battery:	AA x2
Current Consumption:	130mA (typical)
Battery life:	Approximately 8 hours
Dimensions(mm):	84(H)x66(W)x23(D)
Weight (without battery):	Approximately 155g



Relacart MIPASSPORT series is a mini-size, full-featured wireless microphone system, designed and manufactured by Relacart. At the same time, can be single channel, dual channel use. The transmitter built in an electrets microphone, which can be clip on the collar directly, or it can be connected to the lavalier microphone by an external input interface. It is used as an ultra-small bodypack transmitter.

Mipassport uses ISM's global unlimited 2.4G frequency band for transmission. The receiver and transmitter are automatically paired successfully within 2 seconds after powering on, and the effective use distance reaches 50 meters (open and wide occasions). Both the receiver and the transmitter use an OLED display to display the current product information. The output volume is adjustable. The 3.5mm TRS output is used to connect to digital / SLR cameras, camcorders, recorders, tablets, mobile phones and other devices to assist in picking up high fidelity Audio. For interviews, micro-video recordings, or business presentations.

Product Specification

Transmission frequency band:	2400MHz ~ 2483.5MHz
Audio frequency response:	80Hz ~ 18KHz ± 3dB
Dynamic range:	95dB (Circuit performance)
Signal to noise ratio:	95dB (Circuit performance)
Maximum input voltage:	100dB SPL (built-in microphone)
Pairing type:	Automatic
Effective Working Distance:	20m (there is block) 50m (in open space)
Working temperature:	-5 °C to +50 °C

MiS

Convenient Wireless
Microphone System

Key Features

Widely compatible

- Widely compatible with computers, digital / SLR cameras, camcorders, voice recorders, tablets, and mobile phones

IR Infrared

- The receiver and transmitter are automatically paired successfully within 2 seconds after powering on, and the effective use distance reaches 50 meters (open and wide occasions).

Flexible expansion

- Built-in electret microphone, also supports external lavalier microphone, output volume can be adjusted

Super Wide Frequency Range

- Adopt 2.4G ISM global unlimited frequency band transmission

Convenient Design

- The body is small and easy to carry
- Automatic pairing at startup
- Built-in lithium battery, charging with USB 5V
- Both the receiver and the transmitter use an OLED display to display the current product information. The output volume is adjustable. The 3.5mm TRS output is used to connect to digital / SLR cameras, camcorders, recorders, tablets, mobile phones and other devices to assist in picking up high fidelity Audio for interviews, micro-video recordings, or business presentations.



MI-R
Receiver



MI-T
Transmitter

Transmission frequency band:	2400MHz ~ 2483.5MHz
Transmission type:	Frequency Hopping/Digital GFSK
Receiving sensitivity:	-94dBm
Antenna method:	Built-in F type antenna
Display mode:	OLED display, showing battery power, current RF, AF status
Power requirements:	Built-in lithium battery, standard USB 5V charging via TYPE-C interface
Battery life:	> 8 hours
Output interface:	3.5mm TRS
Working temperature:	-5°C~+50°C
Dimensions (mm):	50 * 44.5 * 15
Weight:	35g

Transmission frequency band:	2400MHz ~ 2483.5MHz
Modulation type:	Frequency Hopping/Digital GFSK
Transmit power:	10dBm
Antenna method:	Built-in F type antenna
Microphone pickup method:	Omnidirectional (built-in Mic and external lavalier)
Display mode:	OLED display, showing battery power, current RF, AF status
Power requirements:	built-in lithium battery, standard USB 5V charging via TYPE-C interface
Battery life:	> 8 hours
Output connector:	3.5mm TRS
Working temperature:	-5°C to +50 °C
Dimensions (mm):	50 * 44.5 * 15
Weight:	35g

Mi2S

2.4G DUAL CHANNEL DIGITAL CAMERA MOUNT WIRELESS MICROPHONE SYSTEM



Relacart MIPASSPORT series is a mini-size, full-featured wireless microphone system, designed and manufactured by Relacart. At the same time, can be single channel, dual channel use. The transmitter built in an electrets microphone, which can be clip on the collar directly, or it can be connected to the lavalier microphone by an external input interface. It is used as an ultra-small bodypack transmitter.

Mipassport uses ISM's global unlimited 2.4G frequency band for transmission. The receiver and transmitter are automatically paired successfully within 2 seconds after powering on, and the effective use distance reaches 50 meters (open and wide occasions). Both the receiver and the transmitter use an OLED display to display the current product information. The output volume is adjustable. The 3.5mm TRS output is used to connect to digital / SLR cameras, camcorders, recorders, tablets, mobile phones and other devices to assist in picking up high fidelity Audio.

For interviews, micro-video recordings, or business presentations.

Key Features



Widely compatible

- Widely compatible with computers, digital / SLR cameras, camcorders, voice recorders, tablets, and mobile phones



IR Infrared

- The receiver and transmitter are automatically paired successfully within 2 seconds after powering on, and the effective use distance reaches 50 meters (open and wide occasions).



Flexible expansion

- Built-in electret microphone, also supports external lavalier microphone, output volume can be adjusted



Super Wide Frequency Range

- Adopt 2.4G ISM global unlimited frequency band transmission



Convenient Design

- The body is small and easy to carry
- Automatic pairing at startup
- Built-in lithium battery, charging with USB 5V
- Both the receiver and the transmitter use an OLED display to display the current product information. The output volume is adjustable. The 3.5mm TRS output is used to connect to digital / SLR cameras, camcorders, recorders, tablets, mobile phones and other devices to assist in picking up high fidelity Audio for interviews, micro-video recordings, or business presentations.

Product Specification



Mi2S

Wireless Microphone System

Transmission frequency band:	2400MHz ~ 2483.5MHz
Audio frequency response:	80Hz ~ 18KHz ± 3dB
Dynamic range:	95dB (Circuit performance)
Signal to noise ratio:	95dB (Circuit performance)
Maximum input voltage:	100dB SPL (built-in microphone)
Pairing type:	Automatic
Effective Working Distance:	20m (there is block) 50m (in open space)
Working temperature:	-5 °C to +50 °C



Mi2-R

Receiver

Transmission frequency band:	2400MHz ~ 2483.5MHz
Transmission type:	Frequency Hopping / Digital GFSK
Receiving sensitivity:	-94dBm
Antenna method:	Built-in F type antenna
Display mode:	OLED display, showing battery power, current RF, AF status
Power requirements:	Built-in lithium battery, standard USB 5V charging via TYPE-C interface
Battery life:	> 8 hours
Output interface:	3.5mm TRS
Working temperature:	-5°C~+50°C
Dimensions (mm):	50 * 44.5 * 15
Weight:	35g

Mi2-T

Transmitter

Transmission frequency band:	2400MHz ~ 2483.5MHz
Modulation type:	Frequency Hopping / Digital GFSK
Transmit power:	10dBm
Antenna method:	Built-in F type antenna
Microphone pickup method:	Omnidirectional (built-in Mic and external lavalier)
Display mode:	OLED display, showing battery power, current RF, AF status
Power requirements:	built-in lithium battery, standard USB 5V charging via TYPE-C interface
Battery life:	> 8 hours
Output connector:	3.5mm TRS
Working temperature:	-5°C to +50 °C
Dimensions (mm):	50 * 44.5 * 15
Weight:	35g

R1

2.4G SINGLE CHANNEL DIGITAL CAMERA MOUNT WIRELESS MICROPHONE SYSTEM



Relacart R1 Wireless Microphone System is a miniature, full-featured wireless microphone system. The transmitter built in an electret microphone, which can be clip on the collar directly, or it can be connected to the lavalier microphone by an external input interface. It is used as an ultra-small bodypack transmitter.

This product uses ISM's global unlimited 2.4G frequency band for transmission. The receiver and transmitter are automatically paired successfully within 2 seconds after powering on, and the effective use distance reaches 50 meters (open and wide occasions). Both the receiver and the transmitter use clear and bright LED lights to display the current dynamic input and output audio information, and the output volume is adjustable. The 3.5mm TRS output is used to connect to digital / SLR cameras, camcorders, recorders, tablets, mobile phones and other devices to assist in picking up high fidelity Audio.

Suitable for interviews, micro-video recordings, or business presentations.

Key Features



Widely compatible

- Widely compatible with computers, digital / SLR cameras, camcorders, voice recorders, tablets, and mobile phones



IR Infrared

- The receiver and transmitter are automatically paired successfully within 2 seconds after powering on, and the effective use distance reaches 50 meters (open and wide occasions).



Flexible expansion

- Built-in electret microphone, also supports external lavalier microphone, output volume can be adjusted;



Super Wide Frequency Range

- Adopt 2.4G ISM global unlimited frequency band transmission



Convenient Design

- The body is small and easy to carry;
- Both the receiver and transmitter use clear and bright LED lights.
- Automatic connection or one key pairing after power on.
- Built-in lithium battery, charging with USB 5V;
- When the transmitter and receiver is not connected within 2minutes, the equipment will be shut down automatically.



2.4G CAMERA MOUNT WIRELESS MICROPHONE SYSTEM

Product Specification



R1

Single Channel Wireless Microphone System

Transmission frequency band:	2400MHz~2483.5MHz
Audio frequency response:	200 Hz ~ 20 KHz ±3 dB
Signal to noise ratio:	85dB (Circuit performance)
Maximum input voltage:	97dB SPL (Built-in microphone)
Pairing type:	Automatic
Effective Working Distance:	30m(there is block) 50m(in open space)
Working temperature:	-5 °C to + 50 °C



R1-R

Receiver

Transmission frequency band:	2400MHz~2483.5MHz
Transmission type:	Frequency hopping/digital FSK
Receiving sensitivity:	-86dBm
Antenna method:	Ceramic antenna
Display mode:	Multi-function LED display mode
Power requirements:	Built-in lithium battery, standard USB 5V charging via TYPE-C interface
Battery life:	> 7 hours
Output connector:	3.5 mm TRS, Monitor, Type-C digital output
Working temperature:	-5 °C to + 50 °C
Dimensions(mm):	50 * 44.5 * 15
Weight:	35g



R1-T

Transmitter

Transmission frequency band:	2400MHz~2483.5MHz
Modulation type:	Frequency hopping/digital FSK
Transmit power:	10dBm
Antenna method:	Ceramic antenna
Microphone pickup method:	Omnidirectional (built-in Microphone and external lavalier)
Display mode:	Multi-function LED display mode
Power requirements:	Built-in lithium battery, standard USB 5V charging via TYPE-C interface
Battery life:	> 7 hours
Output connector:	3.5mm TRS
Working temperature:	-5 °C to + 50 °C
Dimensions(mm):	50 * 44.5 * 15
Weight:	35g

R2 | 2.4G DUAL CHANNEL DIGITAL CAMERA MOUNT WIRELESS MICROPHONE SYSTEM

R 2.4G CAMERA MOUNT WIRELESS MICROPHONE SYSTEM



Relacart R2 is a miniature, full-featured dual channel wireless microphone system. The transmitter built in an electret microphone, which can be clip on the collar directly, or it can be connected to the lavalier microphone by an external input interface. It is used as an ultra-small bodypack transmitter. This product uses ISM's global unlimited 2.4G frequency band for transmission. The receiver and transmitter are automatically paired successfully within 2 seconds after powering on, and the effective use distance reaches 50 meters (open and wide occasions). Both the receiver and the transmitter use clear and bright LED lights to display the current dynamic input and output audio information, and the output volume is adjustable. The 3.5mm TRS output is used to connect to digital/ SLR cameras, camcorders, recorders, tablets, mobile phones and other devices to assist in picking up high fidelity Audio. Suitable for interviews, micro-video recordings, or business presentations.

Key Features

- Widely compatible**
 - Widely compatible with computers, digital / SLR cameras, camcorders, voice recorders, tablets, and mobile phones
- Super Wide Frequency Range**
 - Adopt 2.4G ISM global unlimited frequency band transmission
- IR Infrared**
 - The receiver and transmitter are automatically paired successfully within 2 seconds after powering on, and the effective use distance reaches 50 meters (open and wide occasions).
- Convenient Design**
 - The body is small and easy to carry;
 - Both the receiver and transmitter use clear and bright LED lights.
 - Automatic connection or one key pairing after power on.
 - Built-in lithium battery, charging with USB 5V;
 - When the transmitter and receiver is not connected within 2 minutes, the equipment will be shut down automatically.
- Flexible expansion**
 - Built-in electret microphone, also supports external lavalier microphone, output volume can be adjusted;

Product Specification



Transmission frequency band:	2400MHz~2483.5MHz
Audio frequency response:	200 Hz ~ 20 KHz ±3 dB
Signal to noise ratio:	85dB (Circuit performance)
Maximum input voltage:	97dB SPL (Built-in microphone)
Pairing type:	Automatic
Effective Working Distance:	30m (there is block) 50m (in open space)
Working temperature:	-5 °C to + 50 °C

R2
Dual Channel
Wireless Microphone
System

Transmission frequency band:	2400MHz~2483.5MHz
Transmission type:	Frequency hopping/digital FSK
Receiving sensitivity:	-86dBm
Antenna method:	Ceramic antenna
Display mode:	Multi-function LED display mode
Power requirements:	Built-in lithium battery, standard USB 5V charging via TYPE-C interface
Battery life:	> 7 hours
Output connector:	3.5 mm TRS, Monitor, Type-C digital output
Working temperature:	-5 °C to + 50 °C
Dimensions(mm):	50 * 44.5 * 15
Weight:	35g

R2-R
Receiver

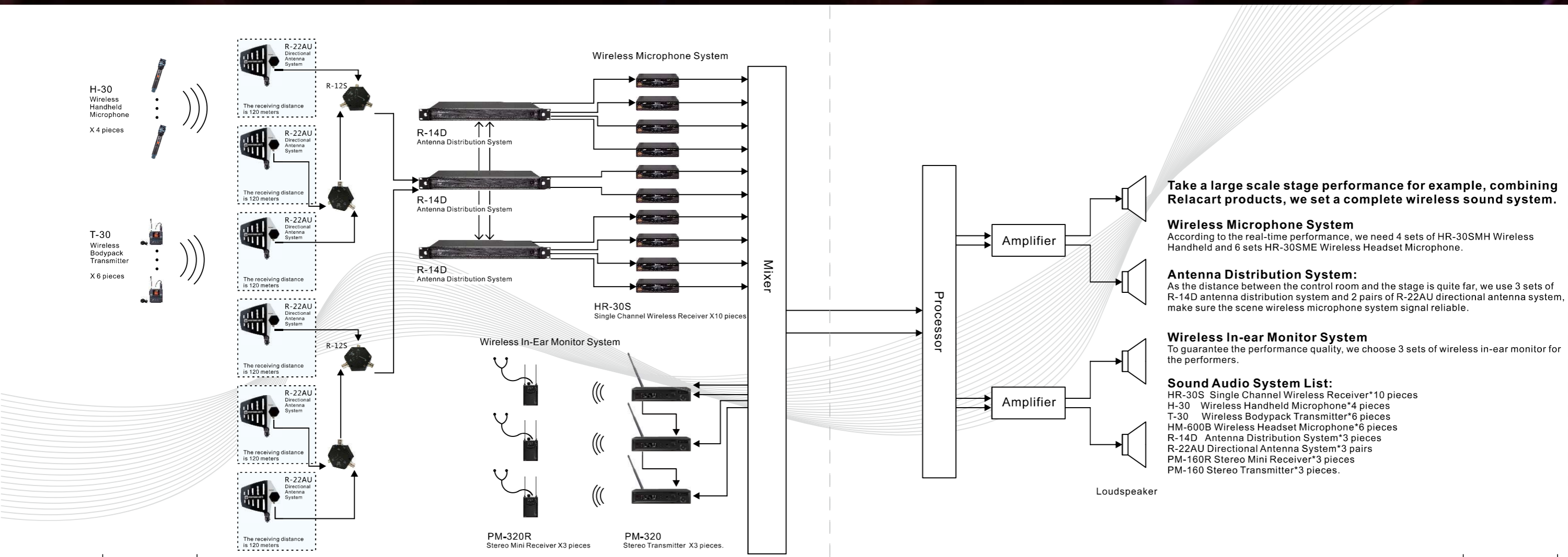


Transmission frequency band:	2400MHz~2483.5MHz
Modulation type:	Frequency hopping/digital FSK
Transmit power:	10dBm
Antenna method:	Ceramic antenna
Microphone pickup method:	Omnidirectional (built-in Microphone and external lavalier)
Display mode:	multi-function LED display mode
Power requirements:	Built-in lithium battery, standard USB 5V charging via TYPE-C interface
Battery life:	> 7 hours
Output connector:	3.5mm TRS
Working temperature:	-5 °C to + 50 °C
Dimensions(mm):	50 * 44.5 * 15
Weight:	35g

R2-T
Transmitter



PRODUCT APPLICATION EXAMPLES --PROFESSIONAL PERFORMANCE



Take a large scale stage performance for example, combining Relacart products, we set a complete wireless sound system.

Wireless Microphone System
According to the real-time performance, we need 4 sets of HR-30SMH Wireless Handheld and 6 sets HR-30SME Wireless Headset Microphone.

Antenna Distribution System:
As the distance between the control room and the stage is quite far, we use 3 sets of R-14D antenna distribution system and 2 pairs of R-22AU directional antenna system, make sure the scene wireless microphone system signal reliable.

Wireless In-ear Monitor System
To guarantee the performance quality, we choose 3 sets of wireless in-ear monitor for the performers.

- Sound Audio System List:**
- HR-30S Single Channel Wireless Receiver*10 pieces
 - H-30 Wireless Handheld Microphone*4 pieces
 - T-30 Wireless Bodypack Transmitter*6 pieces
 - HM-600B Wireless Headset Microphone*6 pieces
 - R-14D Antenna Distribution System*3 pieces
 - R-22AU Directional Antenna System*3 pairs
 - PM-160R Stereo Mini Receiver*3 pieces
 - PM-160 Stereo Transmitter*3 pieces.

ER-5900

DUAL CHANNEL TRUE DIVERSITY WIRELESS MICROPHONE SYSTEM



ER-5900 series is a dual-channel true diversity wireless microphone. True diversity receiving mode is more stable, with AFS function, eliminating the reception drop out problem. The frequency response is wide, the sound quality is rich and full, with strong vocal expression. cardioid directional pickup, high sensitivity, while reducing environmental noise. The tone is high fidelity. It is suitable for karaoke, bars, night clubs, KTV and other entertainment venues.

Key Features



AFS(Automatic Frequency Selection)

• AFS Automatic frequency selection. Press the [AFS] (Auto Frequency Selection) button 3S and the receiver will auto-scan and lock on to an open, interference-free frequency.



Anti-Interference

• Adopt true diversity FM super-heterodyne reception to ensure the stability of the received RF signal and the anti-interference of the receiver itself; the operating frequency range is from 522MHz to 936MHz.



Intelligent Design

• The handheld microphone adopts the latest auto-mute, auto drop-to-mute, auto-off function. (When the microphone is put horizontal or less than 45 degree for 5 sec, the microphone will be auto-mute. When the microphone is static for 10 mins, the microphone will be auto-off. When drop down, the microphone will be auto-mute. Intelligent electricity-saving, humanized application.
• The receiver comes with the electronic volume adjustment, the adjustment range is -6dB to +18dB, +3dB step.
• The receiver can display the battery level of the transmitter and can change according to the battery level of the transmitter.



Reliable Signal

• The BNC antenna can be connected to the coaxial antenna and the extended antenna, and provides the antenna power supply voltage.
• It can be connected to the Relacart classic Antenna distribution system, expand the multi-device, enhance the receiving distance and improve the signal stability.



IR Infrared

• With [IR] infrared automatic frequency matching function, press the [SYNC] button, the transmitter can automatically and accurately lock the working frequency of the receiver.



Generality

• 134MHz wideband transmitter, four different frequency band receivers can be used interchangeably, which greatly facilitates KTV debugging and management.
• Channel group mode is selected, and 50 channel groups in each frequency band provide user selection.

Product Specification



ER-5900
Dual Channel Wireless Receiver

• EIA standard 1U metal rack receiver chassis.
• Bright LCD display can simultaneously display the working channel or frequency, RF & AF signal status, transmitter battery

Tuning Bandwidth:	522MHz~936MHz
Receiving Mode:	FM Superheterodyne true diversity reception
RF Sensitivity:	5dBμV, S/N>60dB at 25 deviation
Squelch:	10dB to 40dB, 5dB step
Frequency Sync:	IR Sync
Maximum output Level:	Maximum output +11dBV
Adjustment range of audio output level:	-6dB to +18dB, 3dB step
Power Requirements:	DC12V/1A
current consumption:	DV12V, 330mA
Overall Dimensions(mm):	410(W)x43(H)x206(D)
Net Weight:	1.8Kg



EH-59
Wireless Handheld Microphone

• Fashionable design, the tube is made by durable alloy, effectively protect the inner components, ergonomic grip.

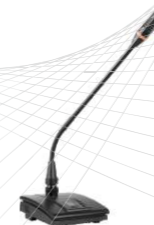
Switching bandwidth:	522MHz~936MHz
Oscillation:	PLL synthesized
RF Output Power:	5mW/30mW
Carrier deviation:	0.5KHz
Harmonic radiation:	≤45dB
Modulation:	FM
Nominal/ Peak deviation:	±45KHz
Max. Input Level:	Maximum input -11dBV
Frequency Set-Up:	IR Sync
Power Requirements:	2X AA 1.5V batteries
Battery Life(mm):	>8 hours
Dimensions:	50(Φ) X 260(L)
Net Weight (without battery):	About 330g



ET-50
Wireless Bodypack Transmitter

• Bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function LCD display, built-in input selector switch, can be used to facilitate the instrument.
• The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Switching bandwidth:	522MHz~936MHz
Oscillation:	PLL synthesized
RF Output Power:	5mW/30mW
Carrier deviation:	0.5KHz
Harmonic radiation:	≤45dB
Modulation:	FM
Nominal/ Peak deviation:	±45KHz
Max. Input Level:	Maximum input -11dBV
Frequency Set-Up:	IR Sync
Power Requirements:	2X AA 1.5V batteries
Battery Life:	>8 hours
Dimensions:	95mm(H)x65mm(W)x25mm(D)
Net Weight (without battery):	About 80g



UD-2
Wireless Conference Microphone

• Desktop gooseneck wireless conference microphone, simple design, durable metal material, multi-function LCD display, built-in high-pass filter and gain adjustment, silent touch switch. Suitable for various applications in government departments, institutions, etc.

Switching bandwidth:	522MHz~936MHz
Oscillation:	PLL synthesized
RF Output Power:	10mW / 25mW
Carrier deviation:	0.5KHz
Harmonic radiation:	≤45dB
Modulation:	FM
Nominal/ Peak deviation:	< 45KHz
Gain Adjustment Range:	-10dB ~ +10dB
Frequency Set-Up:	IR Sync
Power Requirements:	2X AA 1.5V batteries
Battery Life:	>8 hours
Dimensions(mm):	base: 141 x 115 x 48 Microphone tube: 430mm
Net Weight (without battery):	1.0 Kg

ER-5700

DUAL CHANNEL TRUE DIVERSITY WIRELESS MICROPHONE SYSTEM



ER-5700 series is a dual-channel true diversity wireless microphone. True diversity receiving mode is more stable, with AFS function, eliminating the reception drop out problem. The frequency response is wide, the sound quality is rich and full, with strong vocal expression. cardioid directional pickup, high sensitivity, while reducing environmental noise. The tone is high fidelity. It is suitable for karaoke, bars, night clubs, KTV and other entertainment venues.

Key Features



AFS(Automatic Frequency Selection)

• AFS Automatic frequency selection. Press the [AFS] (Auto Frequency Selection) button 3S and the receiver will auto-scan and lock on to an open, interference-free frequency.



Anti-Interference

• Adopt true diversity FM super-heterodyne reception to ensure the stability of the received RF signal and the anti-interference of the receiver itself; the operating frequency range is from 522MHz to 936MHz.



Intelligent Design

• The handheld microphone adopts the latest auto-mute, auto drop-to-mute, auto-off function. (when the microphone is put horizontal or less than 45 degree for 5 sec, the microphone will be auto-mute. When the microphone is static for 10 mins, the microphone will be auto-off. When drop down, the microphone will be auto-mute. Intelligent electricity-saving, humanized application.
• The receiver comes with the electronic volume adjustment, the adjustment range is -6dB to +18dB, +3dB step.
• The receiver can display the battery level of the transmitter and can change according to the battery level of the transmitter.



Reliable Signal

• The BNC antenna can be connected to the coaxial antenna and the extended antenna, and provides the antenna power supply voltage.
• It can be connected to the Relacart classic Antenna distribution system, expand the multi-device, enhance the receiving distance and improve the signal stability.



IR Infrared

• With [IR] infrared automatic frequency matching function, press the [SYNC] button, the transmitter can automatically and accurately lock the working frequency of the receiver.



Generality

• 134MHz wideband transmitter, four different frequency band receivers can be used interchangeably, which greatly facilitates KTV debugging and management.
• Channel group mode is selected, and 50 channel groups in each frequency band provide user selection.

UHF WIRELESS MICROPHONE SYSTEM

Product Specification



ER-5700
Dual Channel Wireless Receiver

• EIA standard 1U metal rack receiver chassis.
• Bright LCD display can simultaneously display the working channel or frequency, RF & AF signal status, transmitter battery consumption as well as mute level.

Tuning Bandwidth	522MHz~936MHz
Receiving Mode	FM Superheterodyne true diversity reception
RF Sensitivity	5dBμV, S/N>60dB at 25 deviation
Squelch	10dB to 40dB, 5dB step
Frequency Sync	IR Sync
Maximum output Level	Maximum output +11dBV
Adjustment range of audio output level	-6dB to +18dB, 3dB step
Power Requirements	DC12V/1A
current consumption	DV12V, 330mA
Overall Dimensions(mm)	410(W)x43(H)x206(D)
Net Weight	1.8Kg



EH-38
Wireless Handheld Microphone

• Fashionable design, the tube is made by durable alloy, effectively protect the inner components, ergonomic grip.

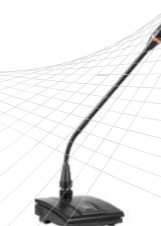
Switching bandwidth	522MHz~936MHz
Oscillation	PLL synthesized
RF Output Power	5mW/30mW
Carrier deviation	0.5KHz
Harmonic radiation	≤45dB
Modulation	FM
Nominal/ Peak deviation	±45KHz
Max. Input Level	Maximum input -11dBv
Frequency Set-Up	IR Sync
Power Requirements	2X AA 1.5V batteries
Battery Life(mm)	>8 hours
Dimensions	50(Φ) X 260(L)
Net Weight (without battery)	About 330g



ET-50
Wireless Bodypack Transmitter

• Bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function LCD display, built-in input selector switch, can be used to facilitate the instrument.
• The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Switching bandwidth	522MHz~936MHz
Oscillation	PLL synthesized
RF Output Power	5mW/30mW
Carrier deviation	0.5KHz
Harmonic radiation	≤45dB
Modulation	FM
Nominal/ Peak deviation	±45KHz
Max. Input Level	Maximum input -11dBv
Frequency Set-Up	IR Sync
Power Requirements	2X AA 1.5V batteries
Battery Life	>8 hours
Dimensions	95mm(H)x65mm(W)x25mm(D)
Net Weight (without battery)	About 80g



UD-2
Wireless Conference Microphone

• Desktop gooseneck wireless conference microphone, simple design, durable metal material, multi-function LCD display, built-in high-pass filter and gain adjustment, silent touch switch. Suitable for various applications in government departments, institutions, etc.

Switching bandwidth	522MHz~936MHz
Oscillation	PLL synthesized
RF Output Power	10mW / 25mW
Carrier deviation	0.5KHz
Harmonic radiation	≤45dB
Modulation	FM
Nominal/ Peak deviation	< 45KHz
Gain Adjustment Range	-10dB ~ +10dB
Frequency Set-Up	IR Sync
Power Requirements	2X AA 1.5V batteries
Battery Life	>8 hours
Dimensions(mm)	base: 141 x 115 x 48 Microphone tube: 430mm
Net Weight (without battery)	1.0 Kg

TM-500 | DUAL CHANNEL TRUE DIVERSITY WIRELESS MICROPHONE SYSTEM



TM-500 is a true diversity wireless receiver developed by Relacart independently. It can be used with external frequency controller that can be synchronized with the microphone automatically, and it can be connected to the central controller, and has returning pages and cascade function.

Key Features

AFS(Automatic Frequency Selection)

- With "AFS" automatic frequency search function, according to the preset frequency to scan and calculate the interference-free working channel quickly and accurately.

Reliable Signal

- The BNC antenna jack can be connected to coaxial antennas and extended antennas, and provides antenna voltage, supports connection to the Relacart antenna distribution system, Extend multiple devices and enhance the receiving distance and improve the signal stability.

Anti-Interference

- The antenna diversity FM superheterodyne reception is adopted to ensure the stability of the received RF signal and the receiver's own anti-interference; the operating frequency range is 521MHz ~ 938MHz according to the radio wave control laws and regulations of various countries.

IR Infrared

- With [IR] infrared automatic synchronization frequency function, the transmitter's infrared window facing the infrared window of the receiver and press the "SYNC" button. The transmitter is automatically and accurately synchronized to the receiver's operating frequency.

Intelligent Design

- The receiver is equipped with LED segment displays, which can clearly display receiver information, such as channel, RF and AF signals.
- Applicable to schools and offices. It has stable function, long receiving distance and easy installation.
- Compliant with RS-485 communication protocol

Generality

- 128MHz wide-band transmitter, four receivers in different frequency bands can be used interchangeably, which greatly facilitates engineering debugging and management.
- Use the channel group mode, and there are 50 channel groups in each frequency band for user selection.

Product Specification



TM-500
Dual Channel Wireless Receiver

- EIA standard 1U metal rack receiver chassis.
- Receiver equipped with exquisite LED display, can clearly display receiving channel, RF and AF signal.

Receive bandwidth:	521MHz~938MHz
Receiving method:	FM super heterodyne true diversity reception
RF sensitivity:	5dBv, 5/N≥60 dB at 25KHz deviation
Squelch adjustment:	set
Frequency synchronization method:	IR Sync
Maximum output level:	maximum output + 11dBV
Output level adjustment range:	set
Power supply:	DC12V / 1A
Normal working current:	DV12V, 330mA
Dimensions (mm) :	410(w)x43(h)x206(d)
Net weight:	1.8Kg



TM-5H
Pen-type Microphone

- TM-5H handheld microphone has novel appearance, small size, advanced PLL technology, built-in removable lithium battery, USB-TYPE-C charging interface. Low power consumption, continuous working time ≥ 8 hours on one charge.

RF Carrier Range:	521MHz~938MHz
Frequency Stability:	±0.005%
Operating Range (environment dependent):	50m
Companding:	Relacart's classic audio companding circuit
Audio Frequency Response:	50Hz~18KHz/±3dB
Dynamic Range:	>100dB
Signal-To-Noise Ratio (A-Weighted):	>100dB
Total Harmonic Distortion:	<0.6%@1KHz
Operating Temperature Range:	-10°C~+50°C



EC-50
External Synchronizer

- The infrared extension synchronizer can provide a larger and better receiving effect in the required coverage area, and expand the working range and stability of the wireless system. As long as the receiver and the transmitter are aligned within a range of about 30CM can achieve the synchronization. After the synchronization is completed, the infrared extension synchronizer will make a "dee" sound.
- The EC-50 can be installed on the indoor wall.

Working mode:	MCU control
Infrared frequency:	32KHz
Power supply:	DC 12V
Normal working current:	50mA
Size (mm) :	85*85*35
Weight:	65g

IMIC-5 | UHF SINGLE CHANNEL ANTENNA DIVERSITY WIRELESS MICROPHONE SYSTEM



IMIC-5 is an antenna diversity wireless system independently developed by Relacart. It can expand the functions of automatic synchronization microphone, external central controller, page turning function. Applicable to schools and office. It is a series of products with stable function, long receiving distance, easy installation.

Key Features

AFS(Automatic Frequency Selection)

• It still supports the "AFS" automatic frequency search function, which scans and calculates non interference working channels quickly and accurately according to the preset frequency;

Clear Sound Quality

• Equipped with Relacart classic audio companding circuit, it can reduce the noise from radio wave transmission to a minimum, and ensure the

IR Infrared

• With a shortcut button for [IR] automatic synchronization function. Just place the microphone near the front of the IR window of the receiver and press the SYNC button shortly. The transmitter automatically synchronizes to the receiver's operating frequency accurately.

Multifunction Design

• IMIC-5 can expand the functions of automatic synchronization microphone, external central controller, page turning function.
 • Equipped with expansion synchronizer TM-5-IR, as long as the handheld transmitter TM-5-H is near the front of TM-5-IR about 30cm, the transmitter will automatically synchronization with the same frequency with receiver.
 • The BNC antenna can be connected to coaxial antennas and extended antennas, and provides antenna power supply voltage, supports connection to Relacart Antenna Distribution

Super Wide Frequency Range

• 128MHz wideband transmitter, four different frequency band receivers can be optional interoperability, which greatly facilitates project debugging and management.
 • Have a channel group mode, there are 50 channel groups in each frequency band for user selection.

Anti-Interference

• Use antenna diversity FM super-heterodyne reception to ensure the stability of the received RF signal and the receiver anti-interference; the operating frequency range is 521MHz ~ 938MHz according to the radio wave control laws and regulations of various countries;

Compact size and convenient

• TM-5-H handheld microphone has a novel appearance, miniature and light weight. The circuit uses advanced PLL technology, built-in removable lithium battery, USB-TYPE-C charging interface, and laser pointer. Low power consumption. It can work continuously for more than 8 hours on a single charge. It can be equipped with Qi-certified wireless charger and wireless charging.
 • The receiver is equipped with a beautiful LCD display, which can clearly display the receiver 23 information, such as channel, RF and AF signals.
 • Comply with RS-485 serial communication protocol

Product Specification



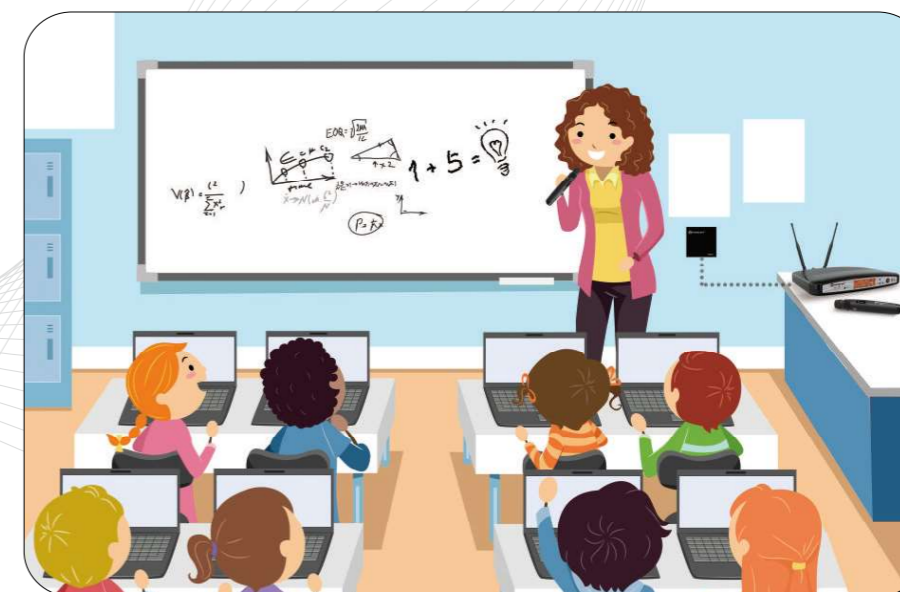
IMIC-5 Single Channel Wireless Receiver

Tuning Bandwidth:	521MHz~938MHz
Receiving Mode:	Super heterodyne antenna diversity receive
RF Sensitivity:	5dBuV,S/N>60dB at 25 deviation
Squelch Adjustment:	5 to 35dB in 5dB steps.
Frequency Sync:	IR Sync
Maximum output Level:	+11dBV
Adjustment range of audio output level:	MUTE to +11dBV Mechanical regulation
Power Requirements:	DC12V/1A
Current Consumption:	DV12V, 220mA
Overall Dimensions(mm):	240(L)x165(W)x35(H)
Net Weight:	1Kg



TM-5-H Pen-type Microphone

RF Carrier Range:	521MHz~938MHz
Frequency Stability:	±0.005%
Operating Range (environment dependent):	50m
Companding:	Relacart classic audio companding circuit,
Audio Frequency Response:	50Hz~18KHz/±3dB
Dynamic Range:	>100dB
Signal-To-Noise Ratio (A-Weighted):	>100dB
Total Harmonic Distortion:	<0.6%@1KHz
Operating Temperature Range:	-10°C~+50°C



MiLIVE | PREMIUM SMALL-DIAPHRAGM CONDENSER MICROPHONE

MiLIVE PREMIUM SMALL-DIAPHRAGM CONDENSER MICROPHONE



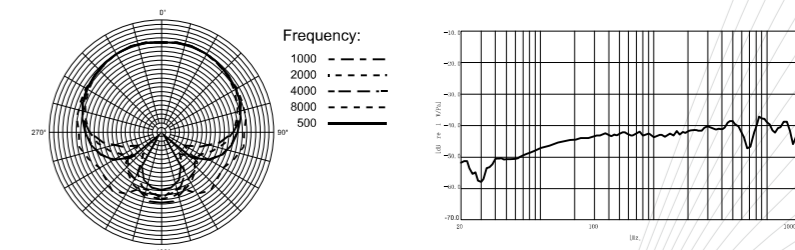
The Relacart MiLive is a premium 1/2" small-diaphragm condenser microphone designed for applications such as studio recording and live performance on stage. It also provides ultra-low self-noise and a smooth, balanced sound. It features the supercardioid pattern and wide frequency response allow the MiLive to record the desired sound source while reducing the level of other surrounding instruments, noise or sound sources.

Product Specification



Microphone Type:	Condenser microphone
Polar Pattern:	Supercardioid
Frequency Response:	50HZ-20KHZ
Maximum Input SPL:	130dB, 1KHz at 1% THD
S/N Ratio:	90dB, 1KHz at 1% THD.
Dynamic Range:	90 dB, 1 KHz at Max SPL
Sensitivity:	-45 dB at 1 V at 1 Pa
Dimensions (mm):	24 (φ) x 115 (L)
Weight (g):	125

MiLIVE Wired Boundary Microphone



Key Features

Condenser

- Small Diaphragm Condenser

Super cardioid

- Adopts a hemispherical unidirectional feature and excellent sound pickup to ensure high-quality speech intelligibility.

Ultra-low Noise

- Ultra-low self-noise.

Lightweight All-metal

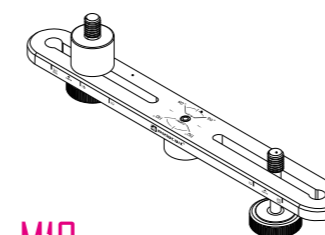
- Metal structure, strong and durable.

XLR XLR Output

- XLR output connectors.

48V 48V

- Powered by 48V phantom power.



R-M18 Stereo Microphone Spacing Bar

The Relacart R-M18 is a device that mounts two microphones in a stereo array and easily captures stereo sound, with clearly marked spacing up to 20cm, and angle and measurement metrics for ORTF and X-Y positioning.

- Featuring 3/8" mounting threads with included spacing clips for easy positioning of stacked arrays, the sturdy ABS construction makes the R-M18 Stereo Stand stable and durable, allowing it to easily support the weight of two large-diaphragm microphones.
- Suitable for Studio recording and stage live performance, etc.

Dimensions (mm):	260(L)x32(W)x54(H)
Weight (g):	

Stereo Mounting Techniques

1 Stereo X-Y

This stereo pickup mode has the advantages of more accurate vocal or instrumental sound and better mono compatibility.

2 Stereo ORTF

The advantage of this stereo pickup mode is that it can locate the sound more accurately.

3 Stereo spaced pair

This stereo pickup mode has the advantages of wide pickup range and low frequency response.

PM2 | CARDIOID DYNAMIC PODCASTING MICROPHONE



Pm2 is a dynamic microphone that uses electromagnetic induction to vibrate and produce sound. Its mission is to bring musicians' microphones out of the recording studio and to better serve people's entertainment life! PM2 is a noise reduction microphone using USB and XLR ports, and it is connected to terminals such as computers and mobile phones via USB data cables. At the same time, PM2 is also a piece of studio-level professional equipment. Connect the mixer through the XLR output interface. Let the PM2 embark on a sound journey with you!

PM CARDIOID DYNAMIC PODCASTING MICROPHONE

Product Specification



PM-2
Cardioid Dynamic Podcasting Microphone

Microphone Type	Dynamic
Polar Pattern	Cardioid
Frequency Response	80HZ-14KHZ
Output Impedance	600 Ω ± 30% (at 1 KHz)
Audio Sampling Rate	0 - +35 dB
Adjustable Gain Range	-58 dB ± 3dB (1V / Pa)
Sensitivity	24 bit / 48 KHz
Max. SPL Digital Output	132 dB SPL
Headphone Output	3.5 mm
Output Connector	Built-in XLRM-3 pin XLR male and USB output
Mute Switch Attenuation	Yes
Limiter	Yes
Power Requirements	Powered through Type-C USB connector
Dimensions (mm)	70 (φ) x 180 (L)
Weight (g):	695

Key Features

Anti-interference

Pm2 cleverly uses PM2's metal bracket, and Relacart Mi.AUDIO's application to achieve noise reduction and sound insulation on both the microphone itself and the program, so that your wonderful sound will not be interfered by the outside world to achieve triple protection!

Dynamic microphone

Compared with the traditional condenser microphone, the PM2 dynamic microphone has a richer, fuller sound quality, and has obvious anti-noise ability, and it does not require DC operating voltage or power supply.

Standalone application

With Relacart Mi.AUDIO application, when connect the PM2 to mobile phone or computer via USB, it can be automatically recognized by the application. With the built-in DSP processor, you can adjust microphone gain, microphone mute, equalization, monitor mixing, limiting and compression and other functions. You can also connect PM2 to professional audio equipment via XLR.

- XLR sold separately.
- Mic Stand Compatible (sold separately)

Convenient operation Real-time Headphone monitoring

PM2 has a built-in touch panel, which is convenient for adjusting the microphone volume directly. You can adjust the microphone gain, earphone volume, monitor mixing, mute the microphone, lock the touch screen, etc.

- The microphone volume can be monitored in real time through the 3.5mm headphone jack to ensure perfect audio output.

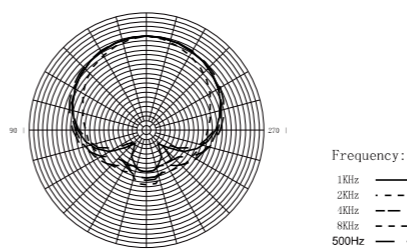
Wide compatibility

PM2 can be connected via USB, including mobile phones (Android) and computers (Windows), as well as audio equipment such as mixers via XLR.

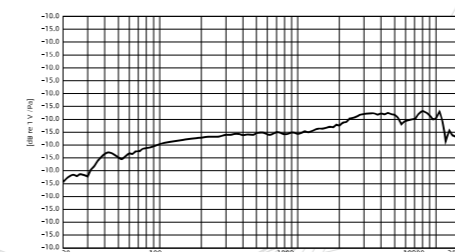
Avariety of sound effects

Users can set a variety of different sound effects on the Relacart Miaudio application, even a novice who does not understand tuning can easily use it, which makes PM2 broadcast a larger variety of wonderful sounds.

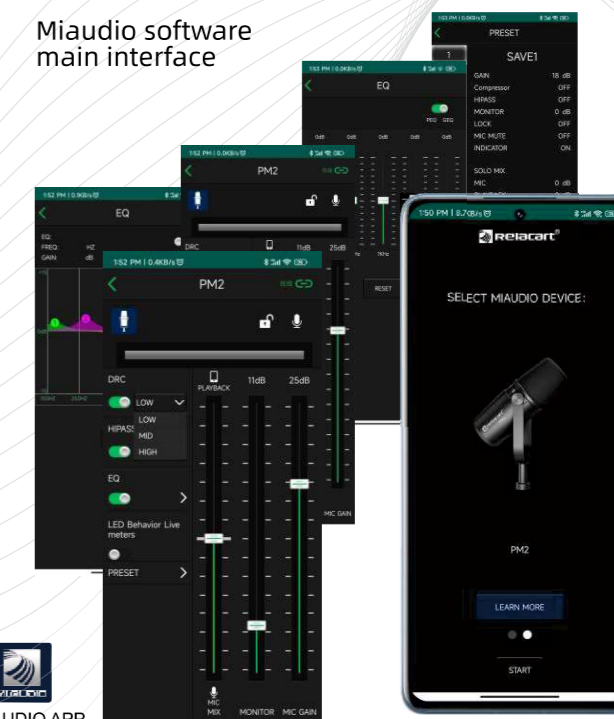
Directivity diagram



Frequency response



Miaudio software main interface



MIAUDIO APP

SM-2 | SHOTGUN CONDENSER MICROPHONE



SM-2 is a shotgun condenser microphone specially designed for photography, interviews and recording. Adopts sound pickup interference principle and long sound collecting pipe design. It can provide high sensitivity and super-cardioid directional characteristics, resist radio frequency interference effectively and pickup more clear vocal sound. SM-2 built-in a 100Hz high-pass filter, which can prevent low-frequency noise effectively such as air conditioning and other environmental noises from being recorded. It can be powered by AA (1.5V) batteries or 48V phantom power for professional audio recorders, cameras and power supplies. Equipped with an anti-vibration frame, which can reduce the hard noise caused by the vibration of the equipment during photography and interview recording, and the attached windshield can minimize the slight wind and popping noise during the recording process.

Key Features

Super cardioid

- Super-cardioid directional, providing high-quality recording effects.

100 Hz high-pass filter

- 100Hz high-pass filter selection.

Ultra-low Noise

- The circuit has low noise and clean recording.

Lightweight All-metal

- Metal structure, strong and durable.

XLR XLR Output

- XRL 3-pin socket input and output.

48V 48V

- 48V phantom power or AA (1.5V) battery power supply.



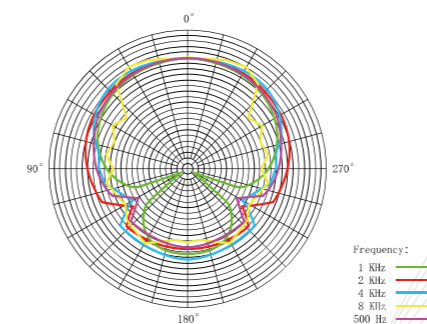
Product Specification



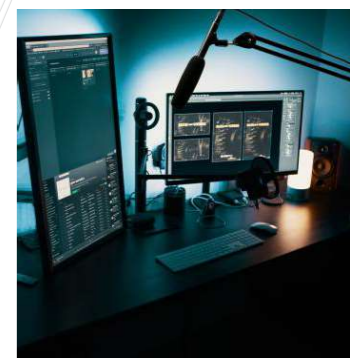
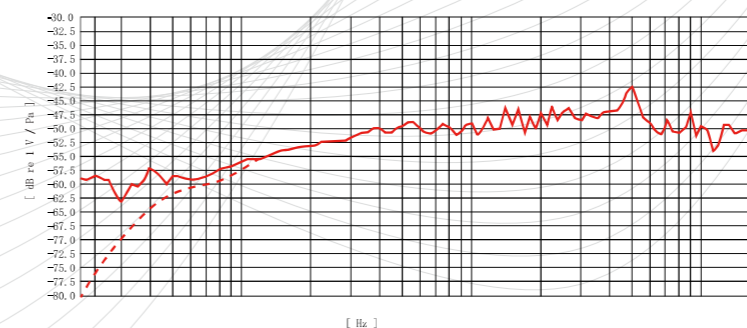
SM-2
Shotgun Condenser
Microphone

Microphone Type:	condenser microphone
Polar Pattern:	Super cardioid
Frequency Response:	50HZ-20KHZ
Output Impedance:	350 Ω ±
Maximum input sound pressure level:	130 dB SPL, 1KHz@1%THD
Signal to noise ratio:	105dB (A weighted), 1KHz@1%THD
Dynamic range:	>110dB
Sensitivity:	-51 dB@1V at 1Pa
Switch:	Through/High Pass Filter
Length(mm):	280mm
Weight(g):	110

Polar Pattern



Frequency Response



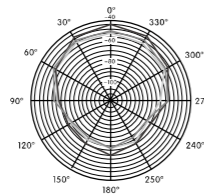
WIRED MICROPHONES



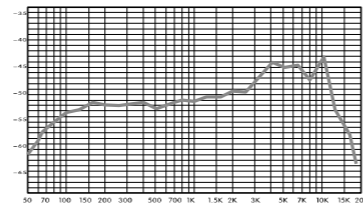
SM-300
Cardioid Dynamic
Microphone

- High-output design for vocals that cut through the mix.
- Cardioid polar pattern reduces pickup of sounds from the sides and rear.
- Tailored for smooth, nature vocal reproduction.
- Rugged all-metal construction for reliable performance.
- Silent on-off operation thanks to vacuum magnetic switch.

Element:	Dynamic
Polar Pattern:	Cardioid
Frequency Response:	50Hz-14000Hz
Output Impedance:	600Ω+/-30%(at 1KHz)
Sensitivity:	-58dB+/-3dB(1V/Pa)
Switch:	Magnetic Lock switch
Output connector:	Integral 3-pin XLRM-type
Dimensions:	Diameter 51x190mm
Weight:	343g



SM-300 Polar Patterns



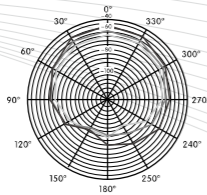
SM-300 Spectrum graph



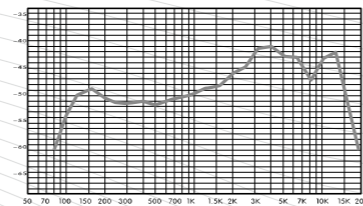
KM-100
Cardioid Dynamic
Microphone

- Cardioid polar pattern reduces pickup of sounds from the sides and rear.
- Excellent high and low frequency sound tailored for KTV rooms
- Rugged, all stainless steel design and construction for years of trouble-free use.
- Silent on-off operation thanks to vacuum magnetic switch.

Element:	Dynamic
Polar Pattern:	Cardioid
Frequency Response:	50Hz-14000Hz
Output Impedance:	600Ω+/-30%(at 1KHz)
Sensitivity:	-58dB+/-3dB(1V/Pa)
Switch:	Magnetic Lock switch
Output connector:	Integral 3-pin XLRM-type
Dimensions:	Diameter 51x190mm
Weight:	355g



KM-100 Polar Patterns



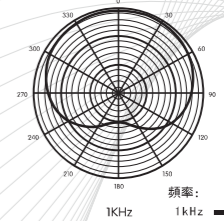
KM-100 Spectrum graph



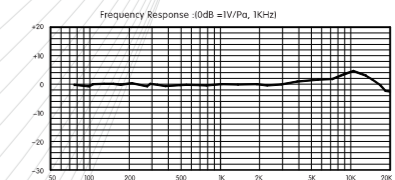
PM-100
Professional Condenser
Microphone

- According to the frequency characteristics of human voice, electro-acoustic technology is applied to design and provide a clear reproduction of the original sound.
- It is especially suitable for professional performances on medium and small stage.
- The cardioid directional pickup can effectively enhance the main sound source and suppress background noise.
- The microphone tube body is made of metal material, with low noise and strong durability.
- High strength anti-slip metal mesh can effectively protect the microphone from damage.
- The sound transmitting unit has the function of air filtration, and can eliminate the breath noise when singing.
- The structure of multi-layer head protection network can strengthen the protection of recording broken sound without affecting the quality of high-pitch sound.

Capsule Type	Backplane polarized electrostatic capacitance type
Polar Pattern	Cardioid Unidirectional
Frequency Respond	50Hz-20kHz
Sensitivity	-44 dB (1V/Pa)
Output Impedance	280Ω
Max windstand sound pressure	120dB,1KHz at 1%T.H.D.
Dynamic Range(Typical)	115dB,1KHz at max sound pressure
S/N	>72dB(A),1KHz at 1Pa
Phantom Power	11-52VDC
Current Consumption	4mA(Typical)
Output Connector	Built-in 3-pin XLR-M
Size(mm)	Φ51x190
Weight(g)	Approximately 365



PM-100 Polar Patterns



PM-100 Spectrum graph



Relacart mikit series is a portable stereo digital audio converter. It can be connected to a mobile device through the USB-C interface. Use with MI.AUDIO application software. Built-in DSP processor, you can set the input gain, monitor volume, high-pass filter, limiter, equalizer, mono/stereo switch, preset and other functions. It is widely used in recording, video recording, online communication, etc. Compatible with iOS (Only for Mikit-i version), Android, Windows, Mac (Only for Mikit-i version), plug and play.

Product Specification



Model:	mikit-c (USB-C) mikit-a (USB-C) (not yet available) mikit-i (USB-C) (not yet available)
Gain adjustment range:	0 ~ +35dB
Frequency response:	20Hz ~ 20KHz
Sampling rate:	48K
Equalizer:	5-band graphic equalization / 5-band parametric equalization, switching applications
High pass filter:	75Hz / 150Hz
Limiter:	High / Medium / Low three-level adjustment
Case:	all metal structure, light and small, easy to carry
Dimensions (mm):	mikit-c: 47H x 47W x 13D mikit-a: 210H x 47W x 13D mikit-i: 210H x 47W x 13D
Weight:	mikit-c: 30g mikit-a: 40g mikit-i: 40g

Mikit Mobile Interview Kit

Key Features

- 3.5mm Dual Microphone Input**
- Mono/Stereo Mode Switch**
- 3.5mm Monitor Outputs**
- Lightweight**
- APP application**
• Pairs with relacart MI.AUDIO App.
- Widely Copatible**
- Smart Chip**
- Customizable Sound Quality**
- Dual 3.5mm TRRS Connection**



MI-AUDIO APP

LM-P01 | LAVALIER MICROPHONE



Relacart LM-P01 is a very light and convenient omnidirectional lavalier microphone with a pure copper gold-plated straight head and a fixing ring. It can provide broadcast-quality recording with close-range pickup, suitable for application in noisy environments. It can be directly connected to various wireless systems or SLR cameras and other equipment.

Product Specification

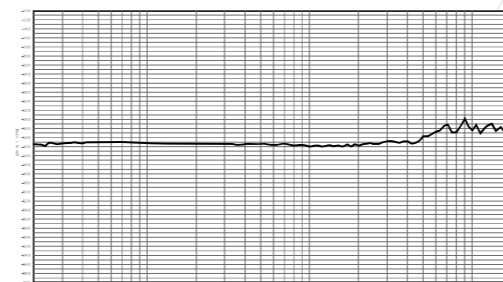
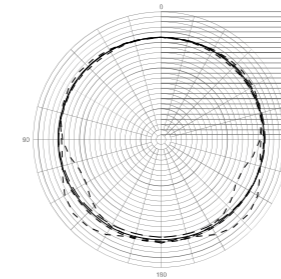


S/N:	>65dB
Frequency Response:	50Hz-20KHz
Impedance:	2.2KΩ
Capsule Dimension:	Ø7.5X18mm
Sensitivity:	-39dB±2dB (0dB=1Pa)
Directivity:	Omnidirectional
Microphone Connector:	Gold-plated straight head, 3.5mm TRS interface with nut
Diameter of cable:	Ø2mm
Length:	1.2m / 6m

LM-P01 Lavalier Microphone

Frequency:

- 1000Hz
- 2000Hz
- - - 4000Hz
- · - · 8000Hz
- · · · · 500Hz



Key Features



Clear Sound Quality

LM-P01 has the characteristics of pure, clear audio and noise-reducing. The user-friendly omnidirectional pickup mode and the smallest appearance make it an important tool for vlog, podcast, interview, drama, speech and any other that requires high-quality recording but not revealing the microphone. The omnidirectional pickup pattern and lavalier effectively reduce background noise and improve the recording quality of mobile devices. The included high-density spray-proof foam windshield ensures that high-quality recordings can be obtained in harsh environments.

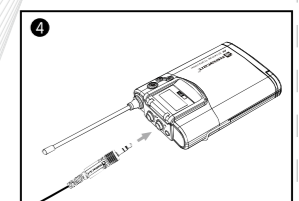
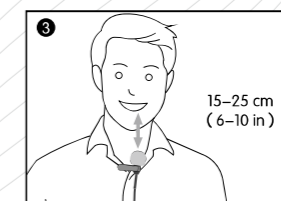
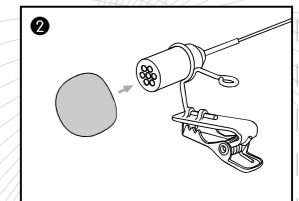
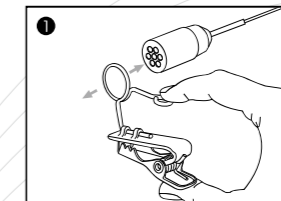
- 1.2m and 6m length options, can be used in various scenes.



Omnidirectional



Ultra-low Noise



1. To fit your LM-P01 onto clothing and connect to your wireless system or recording device, mount the LM-P01 into the provided lapel clip. Hold the clip between two fingers, with one finger pressing down on the end of the wire loop. This will create enough leeway to insert your LM-P01 through the wire.
2. Install the supplied snug-fit windshield by sliding it over the microphone capsule. (Note: Do not pull the windshield too tightly over the microphone. Leave a small space inside the windshield to allow for air movement.)
3. Attach the microphone to a shirt or other garment using the supplied tie clip. For best results, the microphone should be 15-25 cm (6-10 in.) away from the mouth.
4. Plug the 3.5 mm (1/8") plug into your wireless system or recording device.



Product Specification



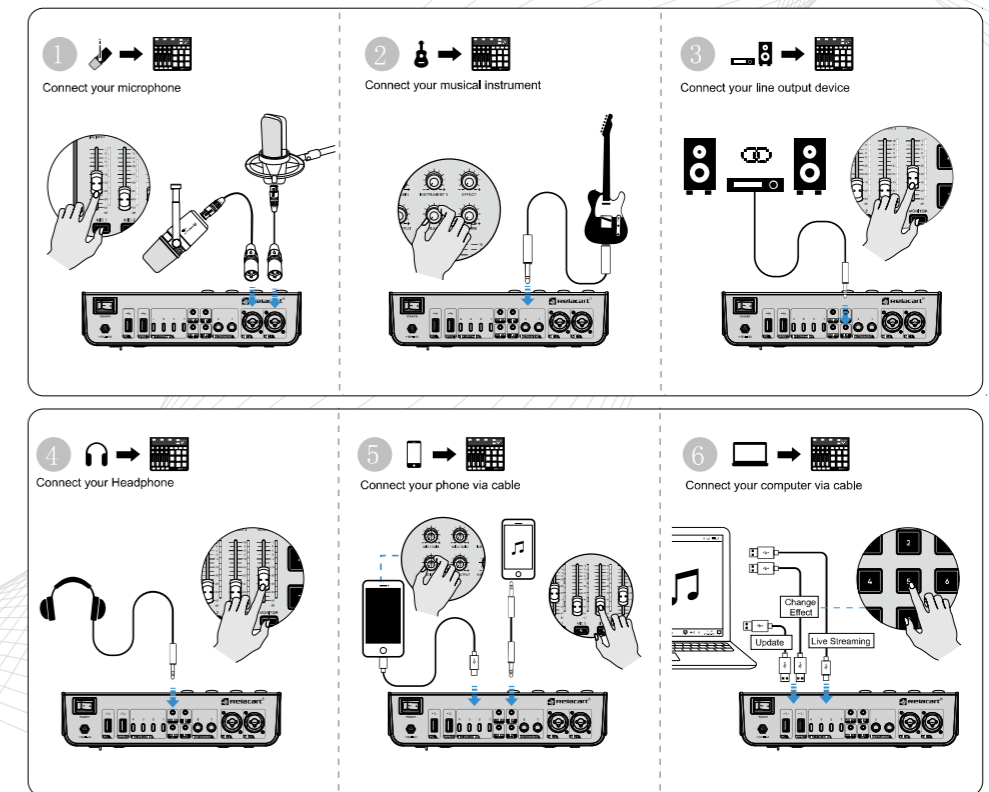
Sample Rates:	24-bit, 48 KHz
Frequency Response:	20 Hz to 20 kHz +0/-1 dB
System Delay:	1.5 ms
T.H.D.:	<0.05%
Input Crosstalk:	<-120 dB @ 1 KHz (Adjacent Channels)
S/N Ratio:	90 dB single channel - fader max (A-weighted)
Dynamic Range:	100 dB single channel - fader max (A-weighted)
Common Mode Rejection Ratio:	>70 dB @ 1 KHz
MIC Input Impedance:	3.3 KΩ (XLR Balance); 30 KΩ (1/4")
MIC Gain:	0 to 60 dB (XLR); -20 to 40 dB (1/4")
Power Supply:	DC 12V (4A)
Dimensions (mm):	260 (L) x 230 (H) x 89 (D)
Weight:	≈ 1.45 Kg

Podcast+ is a podcast production studio specially designed for live streaming app, which collects the live application functions such as mixing, sound effects, and effects. Can connect 4 mobile phones or PC at the same time to transmit to live broadcast equipment through digital audio. Its design is light and easy to carry, the panel layout is simple, and the function distinction is clear and easy to understand. 4 TYPE-C ports provide charging function, which can realize charging while broadcasting, eliminating the trouble of live broadcast battery life. Podcast+ is suitable for live broadcast, recording, Karaoke and other functions of mobile phones, tablets and PC, etc.

Podcast+ Podcast Production Studio

Key Features

- 6 High-Quality Inputs
- high-pass filter
- 3 Headphone Outputs
- 48V 48V Phantom Power Supply
- Intelligent Noise Reduction
- 4 Digital Audio Inputs/Outputs
- Support Mobile Phone Charging
- 9 Programmable Jingle Pads
- 36 Effects
- MIC.Prior/Duking



WDC-903

WIRELESS CONFERENCE
DISCUSSION SYSTEM

Dante™
SPOKEN HERE



WDC-903 digital wireless conference discussion system, with professional appearance design, perfect circuit composition and stable functional characteristics, can be cooperated with VTS-2000 automatic video tracking system and central control system to achieve functional diversification of modern high-tech conference. The data instruction of this wireless conference discussion system is transmitted by LoRa protocol. Audio works in UHF band. High fidelity circuit design can produce high quality sound effect. The system has anti-interference protection, which can effectively block the influence of computers, mobile phones and Bluetooth wireless devices in the environment. It is fully applicable to local government departments, business conference rooms, business venues and international conference centers.

Key Features

Practical Function

- Adopt LoRa 433MHz wireless control signal and UHF audio transmission technology.
- The system automatically searches interference-free channels and replaces them.
- Control up to 255 Wireless Discussion units, up to 5 wireless units can speak at the same time.
- With Dante interface, it can communicate with any device with Dante to transmit audio.
- Bright OLED operation screen, with Chinese and English language menu selection, perfect function, easy operation.
- Super anti-interference function can effectively block the impact of computer devices, mobile phones and Bluetooth devices in the environment.
- The conference unit can automatically select or manually start the power supply. When it chooses to turn on automatically, the central controller will send the instruction to the conference unit at the same time, which automatically turns on the power supply and works in the mode after receiving the instruction.

Flexible Speech

- Four conference modes:
 - Time-limited Mode
 - First in First out Mode
 - Application Mode
 - Voice-activated Mode

Expansibility

- With antenna interface, it can be used in conjunction with the antenna system of Relacart, and the transmission signal is very strong.
- Any number of wireless conference systems can be installed in the same building.
- With VTS-2000 automatic video tracking system, can achieve conference video tracking function.
- Equipped with RS-232 interface, it can connect various central control devices.

Easy Installation

- The unique advantages of simple installation, easy and fast, and no impact on the installation site, especially for the installation or layout of historical museums, ancient buildings and other historical and cultural buildings, users need not worry about damage to ancient buildings, because they do not need wiring, nor drilling holes, providing a professional perfect solution for harsh and complex application occasions.

WDC WIRELESS CONFERENCE
DISCUSSION SYSTEM

Product Specification



WDC-903

Digital and Wireless Conference
Discussion Systems

- Bright OLED operation screen, with Chinese and English language menu selection, perfect function, easy operation.
- With Dante interface, it can communicate with any device with Dante to transmit audio.
- With VTS-2000 automatic video tracking system, can achieve conference video tracking function.

Main Frame Size	EIA Standard 1U
Receiving Channel	Six Channels
Frequency Reliability	±0.005%
Carrier Frequency Range	UHF 522MHz-936MHz
Sampling Rate	48KHz /24bit
Modulation	FM
Operating Distance	80M (in open space)
Oscillation	PLL synthesized
Bandwidth	32MHz
Max. Deviation	±45KHz
S/N	>100dB
THD	<0.5%@1KHz
Frequency Response	50Hz-18KHz
Output	Balanced XLR-M, 2 RCA
Power Supply	AC110-240V 50/60Hz
Weight	Approximately 3.2 kg
Dimension(mm)	480(L)X43(H)X350(D)



WDC-903C
Wireless
Chairman Unit

WDC-903D
Wireless
Delegate Unit

- It is powered by detachable lithium battery, charged by WDC-903 special charging box, or charged directly by USB interface of conference unit.
- It can work continuously for 16 hours and stand by for up to 24 hours at full power.
- Bright OLED display can display battery capacity, speech mode, time limit and other working conditions at the same time.
- Super anti-interference ability of mobile phone.
- With a halo-type work indicator.
- Use high-quality capacitive condenser microphone head to achieve high-quality sound pickup.
- Wireless conference technology can easily build a temporary system, beautiful and neat, without any impact on the installation site.

Carrier Frequency Range	522MHz-936MHz
Oscillation	PLL synthesized
Harmonic Radiation	<45dBm
Bandwidth	134MHz
Max. Deviation	±45KHz
Input Jack	3-pin XLR jack
RF Output Power:	15mW
Power Supply	Li-ion polymer rechargeable battery 3.7V/2900mA
Current Consumption	120 mA (Typical) 60mA (Standby)
Working Hour:	23 Hour(Classical) 48 Hour(Standby)
Weight	910g
Dimension(mm)	162(L)X125(W)X54(H)



VTS-2000

Automatic Video Tracking
System

- VTS-2000 Video Tracking System can be used in conjunction with any conference system with video function of Relacart to realize video viewing tracking function. When the speaker unit opens the microphone, the camera will automatically track the speaker's position, and connect the video display device to display the image. Unique picture static function, can achieve perfect automatic tracking image function.

Equipment Type	HD Video Main Controller
Working Power	AC 100-240V, 50/60Hz
Frequency Response	143Mb/s to 2.97Gb/s
Gain	0dB
Signal Type	SDI(HD digital signal) HD cctv1.0 HD-SDI(ST292), 3G-SDI(ST424), SD-SDI(259)
Input Return Loss	21dB@5MHz-3GHz
Video Input	800mVp-p
Video Output	800mVp-p
Compatible Standard	Pelco-D, pelco-P, Visca
Control Protocol	RS-232, RS-422, RS-485
Baud Rate	9600
Data Bits	8 Bits
Video Input/Output Impedance	75Ω
Input/Output Port	BNC
Dimension(mm)	410(W)X43(H)X206(D)
Weight	Approximately 2.3 kg



DC-903

Data Communication
Converter

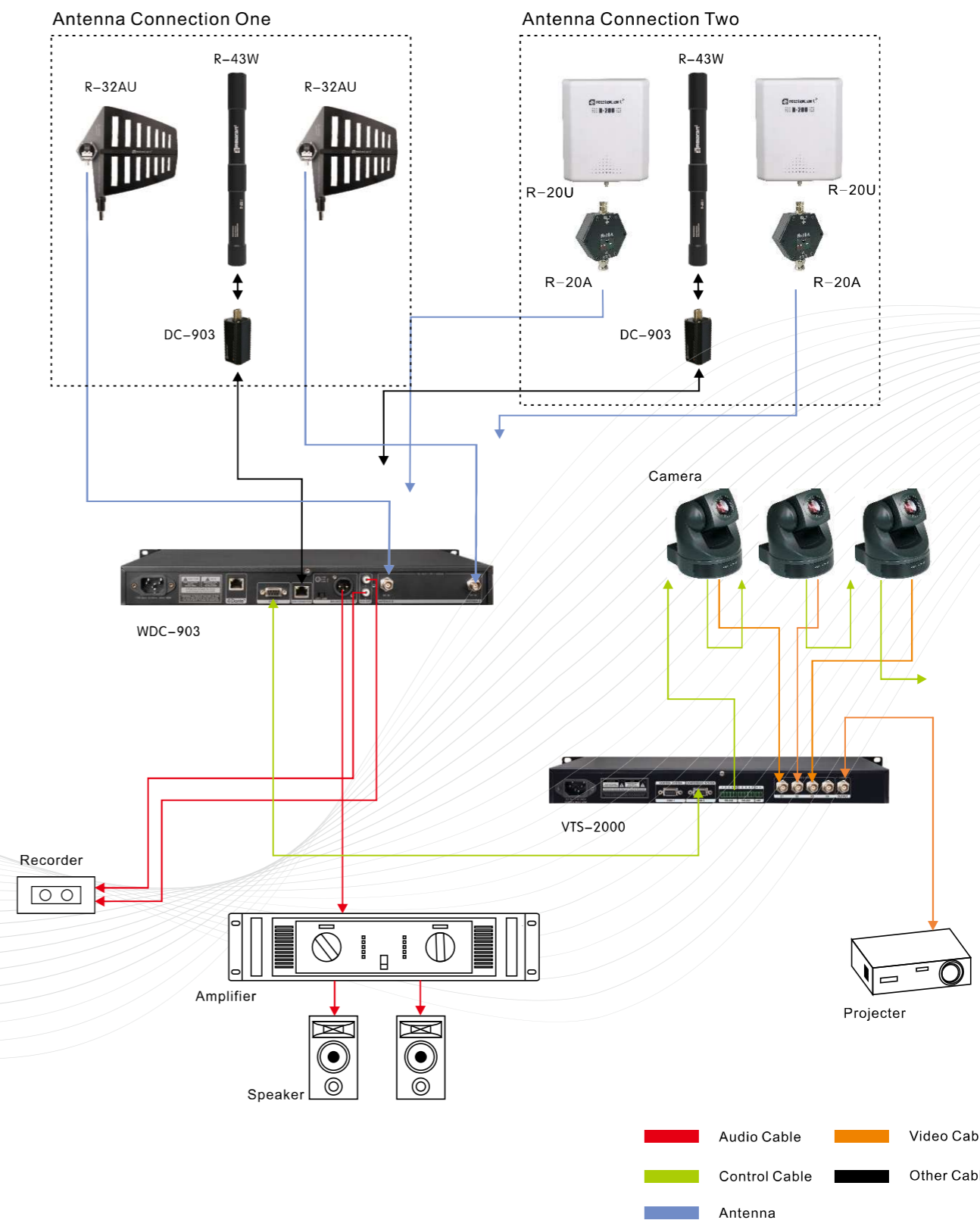
- With mature and stable wireless communication protocol, it has the advantages of high stability, high performance, high security, short delay and low power consumption.

Working Frequency Range:	400-450MHz
Gain	16dBm
RF input Port	N female
Data Communication	RJ45 connector
Bidirectional Connection Port	
Power	The integrated power supply mode of data line and power line
Working Temperature	-10°C-55°C
Dimension(mm)	42(W)X42(D)X105(H)
Weight	150g

Application:



System Connection Diagram



Application Schematic Diagram:



WAM-432 | WIRELESS AUTOMATIC MIXER



WAM-432 Wireless Automatic Mixer is the new generation series product made by Relacart, who has strong R & D strength, used high performance microcomputer processor as core design. Professional and novel appearance, comprehensively combine digital control technology with advanced audio processing technology and network technology, intelligent control, fully automatic operation. With desktop and handheld, bodypack, boundary type transmitter for choice, can adapt to different applications of flexible configuration. Cooperate with Relacart VTS-2000 Video Tracking System to realize automatic video tracking function. This model apply to high requirement multi-function room, small to medium performance occasions, boardrooms, business meetings, educational institutions, hotels, conference rental, system reconstruction, etc.

Key Features

Practical Function

- Automatic gain adjustment by microprocessor control.
- True diversity receiving for best reception quality. "NoiseStop" circuits prevent interference.
- Circuit design of high fidelity can automatically calculate the most suitable for the whole system gain, avoid the feedback.
- Microphone input gain is adjustable. UB-222 and UD-222 is set with low-cut switch, applying to different environment.
- Output level is adjustable.

Easy Installation

- Convenient installation, simple operation. No need to dig holes or lain lines, can install the system on the spot for real time setting.

Flexible Expansion

- Cascaded connection function, can daisy chain up to 8 pieces of WAM-432, 32 microphone delegate can be used at the same time.
- Make the setting in one of the receivers, the data will be synchronized to the other receiver of cascade, wireless intelligent mixer is equivalent to a table up to 32 channels.
- Video tracking function. Combine VTS-2000 video tracking system to realize the function.
- Central control function to control the delegate.

Flexible Speech

- Speaker Number Limitation function, select the simultaneous open microphones to 1 unit, 2 units, 3 units or 4 units.
- Last microphone on selectable for continuous room ambiance.
- Microphone hold time for 0.1s-1s.
- Priority microphone function

Super Wide Frequency Range

- 134MHz super wide band width, over 500 selectable UHF frequencies, true diversity receiving, reliable and anti-interference.
- Super wide frequency range UHF554MHz~936 MHz
- Group type frequency selection, more easily select no intermodulation interference frequency.

A variety of Input and Output

- Several inputs / outputs for audio signals:
- RCA outputs to realize long distance with low noise transmission.
 - RCA inputs / outputs for recordings.
 - Unbalanced line outputs (6.3mm jack).
 - Balanced XLR outputs.

Product Specification



WAM-432
Digital & Wireless
Automatic Mixer

- EIA standard 1U metal chasis, combining with delicate OLED display aluminium alloy panel, professional and elegant.
- Backlit OLED display shows microphone status, operation mode, master working status, speaker numbers, AF audio signal.
- Equipped with handle, easy for lift or move.

Carrier Frequency Range:	522MHz~936 MHz
Receiving Channel:	4 Channel
Receiving Mode:	True Diversity
Frequency Reliability:	0.005%
Bandwidth:	32MHz
Receiving Mode:	FM
Receiving Sensitivity:	5dBμV, S/N>60dB at 25 KHz deviation
Max. Deviation Range:	±45KHz
Distortion:	<0.9% @1KHz
Frequency Response:	65Hz-16KHz ±3dB
S/N:	>100dB
Audio Output:	XLR socket
Audio Cascading:	Double-layer S terminal socket
Data Cascading:	Double-layer S terminal socket
Communication Port:	RS-232
Power Supply DC:	12V / 12W
Dimension(mm):	410(W)x43(H)x206(D)
Weight:	2.5kg



UD-222
Wireless Conference
Microphone

- Desktop gooseneck wireless conference microphone, simple design, durable metal material, multi-function OLED display, built-in high-pass filter and gain adjustment, silent touch switch. Suitable for various applications in government departments, institutions, etc.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth:	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
RF Output Power:	10mW
Volume potentiometer:	-10~10dB
Low cut switch:	200Hz below
Battery:	AAx2
Current Consumption:	130mA(Typical)
Battery Current/ Life:	Approximately 9 hours
Microphone Lengths(mm):	340/420(default)/480
Weight:	Approximately 830g (w/o battery)



UB-222
Boundary Microphone

- The microphone switch can control or be controlled by external automatic central control system or other devices.
- Superior off-axis rejection for maximum gain before feedback.

Carrier Frequency Range:	522MHz~936 MHz
Modulation:	FM
Harmonic Radiation:	<45dBm
Bandwidth:	134MHz(It depends on the region)
Max. Deviation Range :	±45KHz
Elements:	Fixed-charge back plate, permanently polarized condenser
Polar Pattern:	Cardioid (120° sound-pickup angle)
RF Output Power:	10mW
Dynamic Range:	>95dB, A Weighting
Audio Potentiometer:	-10~10dB
Frequency Response:	50Hz-17KHz
Low-cut Switch:	200Hz/-6dB
Battery:	AAx2
Current Consumption:	130mA(Typical)
Battery Current/Life:	Approximately 9 hours
Dimension (mm):	110(W)x40(H)x110(D)
Weight:	Approximately 505g



UH-222
Wireless Handheld
Microphone

- Fashionable design, the tube is made by durable alloy, effectively protect the inner components, ergonomic grip.
- Interchangeable capsule module with premium condenser or dynamic options for easy and fast changeovers as well as the worldwide brand microphone capsule.
- Optimized circuit design, better sound quality, further transmission distance and more reliable performance.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth:	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Microphone Element	Dynamic/Condenser(removable)
RF Output Power:	10MW/40MW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Microphone Lengths(mm):	52(Φ)x255(L)
Weight:	Approximately 235g (w/o battery)



WT-222
Wireless Bodypack
Transmitter

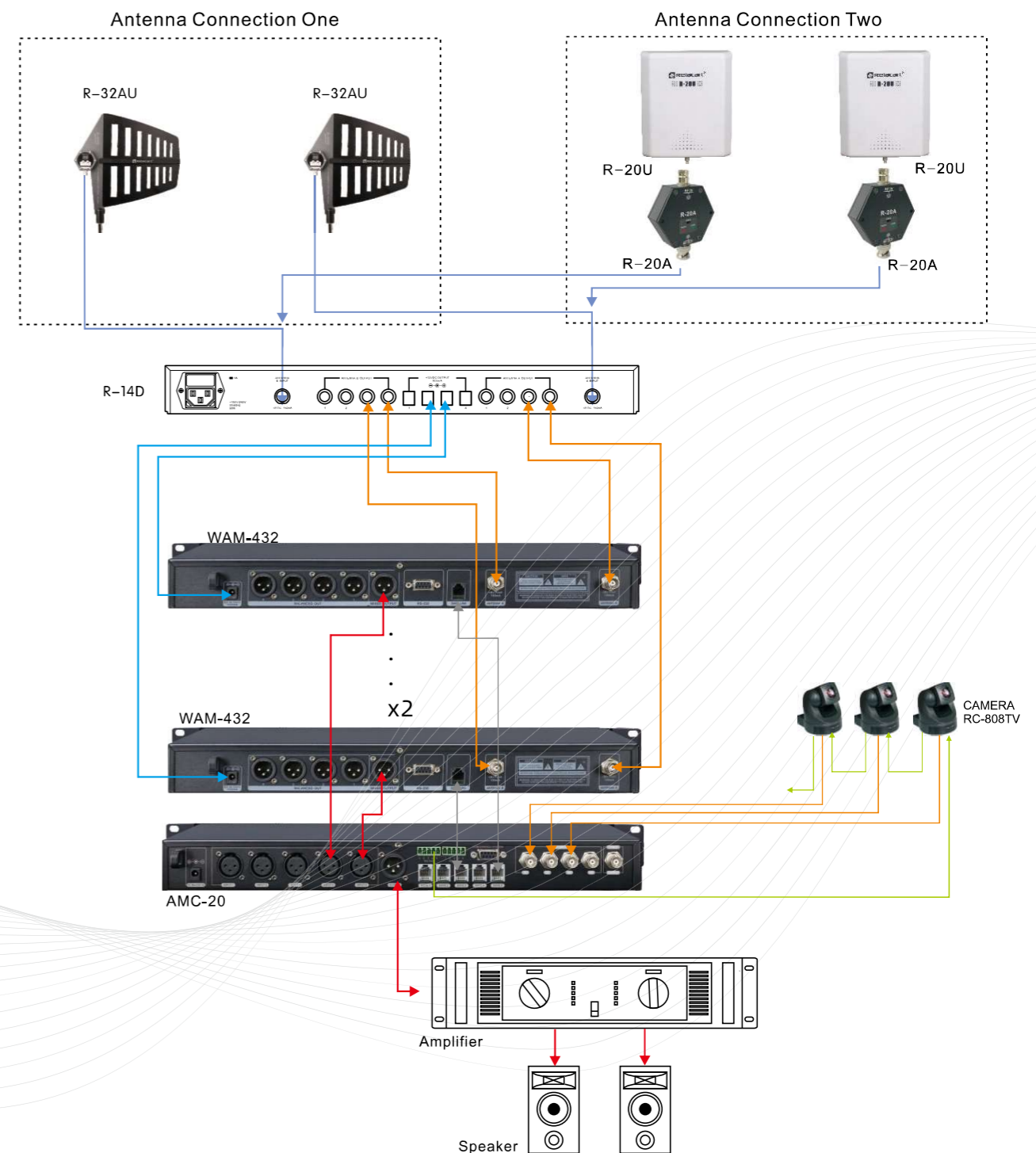
- bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function OLED display, built-in input selector switch, can be used to facilitate the instrument. The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	522MHz~936MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth:	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	10MW/40MW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension:	84(H) X66(W) X 23(D)
Weight:	155g (w/o battery)

AMC-20 | AUDIO AND VIDEO INTEGRATED CONTROL SYSTEM



System Connection Diagram



Key Features

- EIA standard 1U metal.
- Front panel with 256x64 dot matrix OLED display and setting touch key, camera control key.
- Rear panel with DC-12V power supplier, 5 channels balance audio mixing input and 1 channel balance mixing output. 5 channels mixing data RJ11 interface, 4 channels high definition video input and 1 channel high definition video output, two camera control interface (RS-232 and RS-422), external RS-232 interface.
- Support the mixer data control and audio mixing connection, high definition camera connection. Constitute audio, video and the central control device. Cascade up to 5 mixers and 4 high definition cameras.
- Support the system automatic frequency calculation. The cascaded wireless mixers can be automatic calculate and setting the noninterference frequency, it can provide up to 20 clean frequencies.

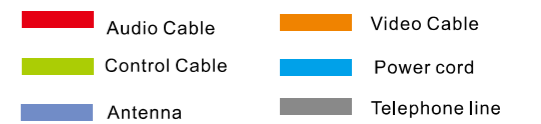
Product Specification



AMC-20
Automatic Mixing Controller

- Support mixer data control, audio mixing connection, HD camera connection.
- It can support 20 mixers and 4 HD cameras.
- Support system automatic frequency calculation.

Power supply:	DC 12 V
Current:	0.23A
Frequency response:	20 Hz to 20 kHz+0/-1dB
Total harmonic distortion:	<0.03% (f=1KHz)
Signal to noise ratio:	>98 dB (THD<1%, f=1KHz)
Dynamic range:	98dB
Video input:	BNC female
Video output:	BNC female
Video interface impedance:	75 ohms
RS-232 control protocol interface:	5P fast connection
RS-422 control protocol interface:	5P fast connection
RS-232 control protocol interface:	9-pin serial port
Data interface:	RJ11
Audio output:	XLR female
Audio input:	XLR male
Display type:	OLED
Button mode:	Touch Button
Dimensions (mm):	410 (W) x43 (H) x 206 (D)



MAS-D

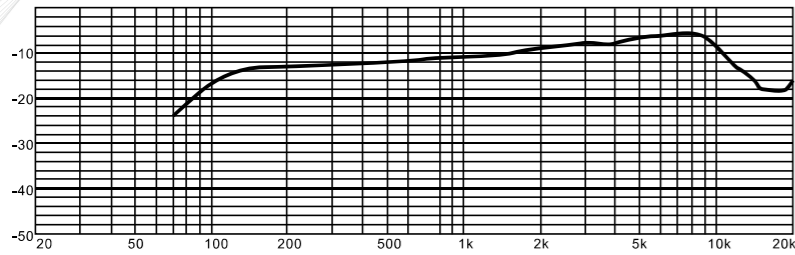
MICROPHONE ARRAY SYSTEM



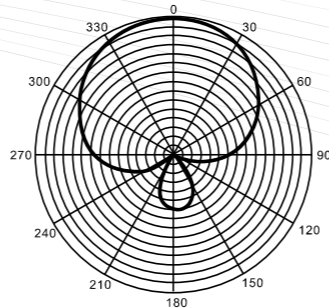
The MAS-D array microphone adopts a metal streamlined desktop design, which is stylish and succinct. It also has a unique microphone array technology and an integrated microphone module, which improves the range and quality of the array microphone. It ensures that the spokesman does not affect the sound effect within a certain range. Dispense microphone stem and the larger pickup range gives the spokesman more space to use.

Key Features

- The array microphone provides a silent electronic switch that controls the microphone's radio operation and work indicator. When the red light is on, the microphone is muted, and when the green light is on, the microphone is in the radio state.
- It adopts POE power supply and Dante protocol, and professional RJ45 connection. Only one network cable is connected to the switch with POE power supply. It can be combined with other Dante devices to form the system output sound. It is easy to install and is ideal for various conferences, lectures and recordings.
- Thanks to the unique microphone module circuit design, the array microphone has a pickup distance of 80CM and a deeper pickup range, and the pointing characteristics are significantly improved compared with the general cardioid microphone.
- MAS-D array microphones feature radio frequency interference (RF) shielding technology that provides outstanding protection against radio frequency interference and avoids interference such as mobile phones when receiving radio.



MAS-D Frequency Response



MAS-D Polar Pattern

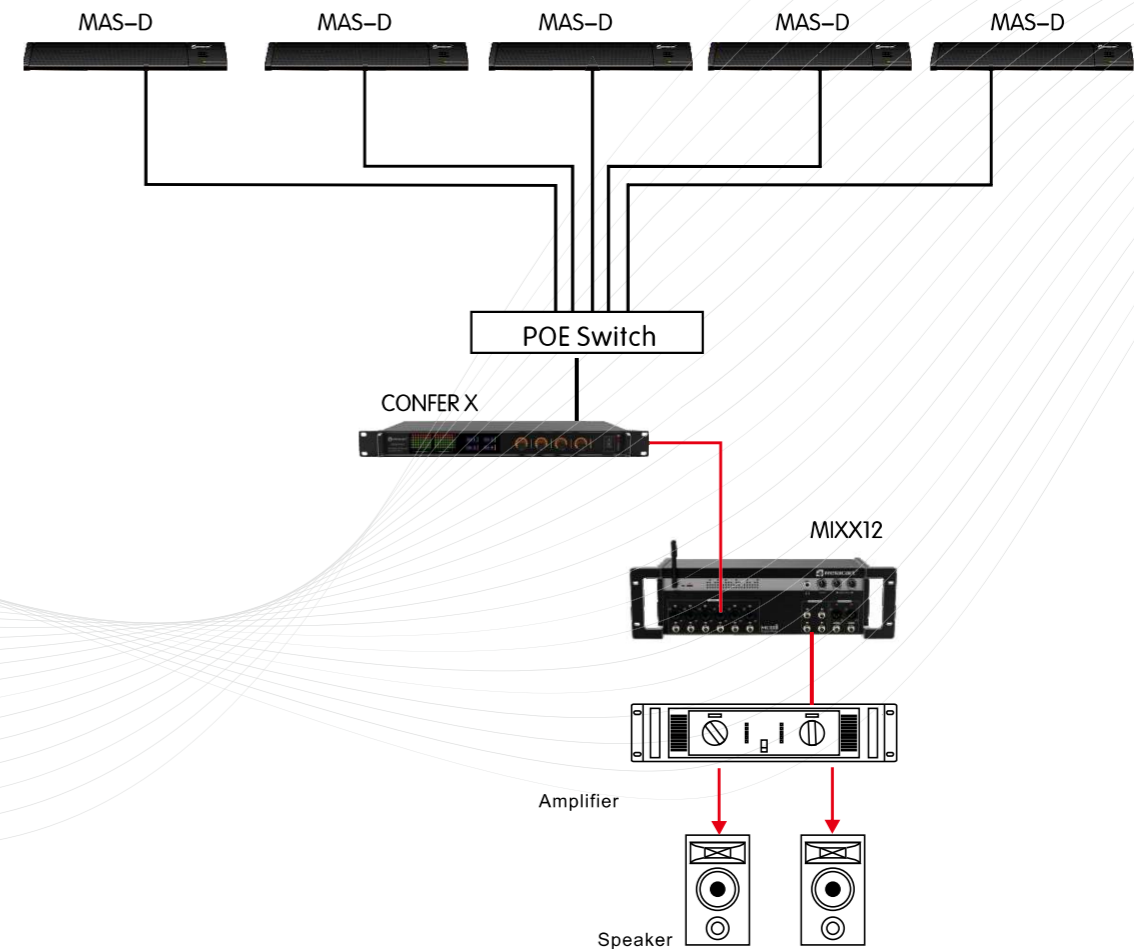
Product Specification



MAS-D
Microphone Array System

Frequency response:	20-20000Hz
Input impedance:	2.2KΩ
Sensitivity:	-11dB at 1KHz@1Pa
Signal to noise ratio:	65dB at 1KHz
Maximum input level:	-14dBA at 1KHz@1Pa
Pickup distance:	80CM
Port:	RJ45
Power supply mode:	POE IEEE802.3
Power consumption:	2.3W
Weight:	350g
Dimensions:	length 320mm * width 60mm * height 31mm
DANTE network:	RJ45 connector, CAT5 or CAT6 network above 100Mbps

System Connection Diagram



■ Audio Cable
■ Other Cable

TDN 1

MICROPHONE DESK STAND WITH DANTE NETWORKED OUTPUT



Dante™
SPOKEN HERE

TDN1/TDN1-F desk stand allows Dante technology to be used with any phantom-powered condenser gooseneck microphone with a 3-pin XLRM-type output. The desk stand is designed for surface-mount applications such as high-quality sound reinforcement, conferencing, distance learning and other demanding sound pickup applications.

Key Features

Flexible Configuration

- Connect directly to network via Ethernet cable – no need for expensive audio cable or soldering.
- Integrated user switch controls talk/mute in Local mode and triggers.
- Dante-enabled devices in remote mode.
- 3-pin XLRM-type with lock in for quick mounting of gooseneck microphone.
- Red/green LED indicator.
- Local or remote control of mic gain, low-cut filter, LED indicator and 48V phantom power.
- Powered by network PoE.
- Scalable across Dante's 512 bidirectional audio channels.

Easy Installation

- Filter provides a steep low-frequency attenuation to improve sound pickup without affecting voice quality.
- Heavy die-cast case and non-slip silicone foam bottom pads minimize coupling of surface vibration to the microphone.
- Optional Software: Relacart Dante conference microphone management control software RDM1.0, can set microphone input gain, low cut filter, working mode, phantom power. Make the audio gain visible.



Dante™ upgrade card

Dante-equipped models enable multi-channel audio networking over Ethernet. Standard Ethernet or Dante™ digital networked audio configurations available Ethernet digital audio of Multi channel, with 24-Bit depth and 48 KHz sample rate Plug and play networking function, with automatic device discovery function and system configuration.

Dante upgrade card available for standard Ethernet models. Dante virtual sound card license included to connect a computer to a Dante network for recording, playback and Internet calling between Dante-equipped devices(download Dante virtual sound card at audinate.com)



Product Specification

TDN1 Microphone Desk Stand With Dante Networked Output



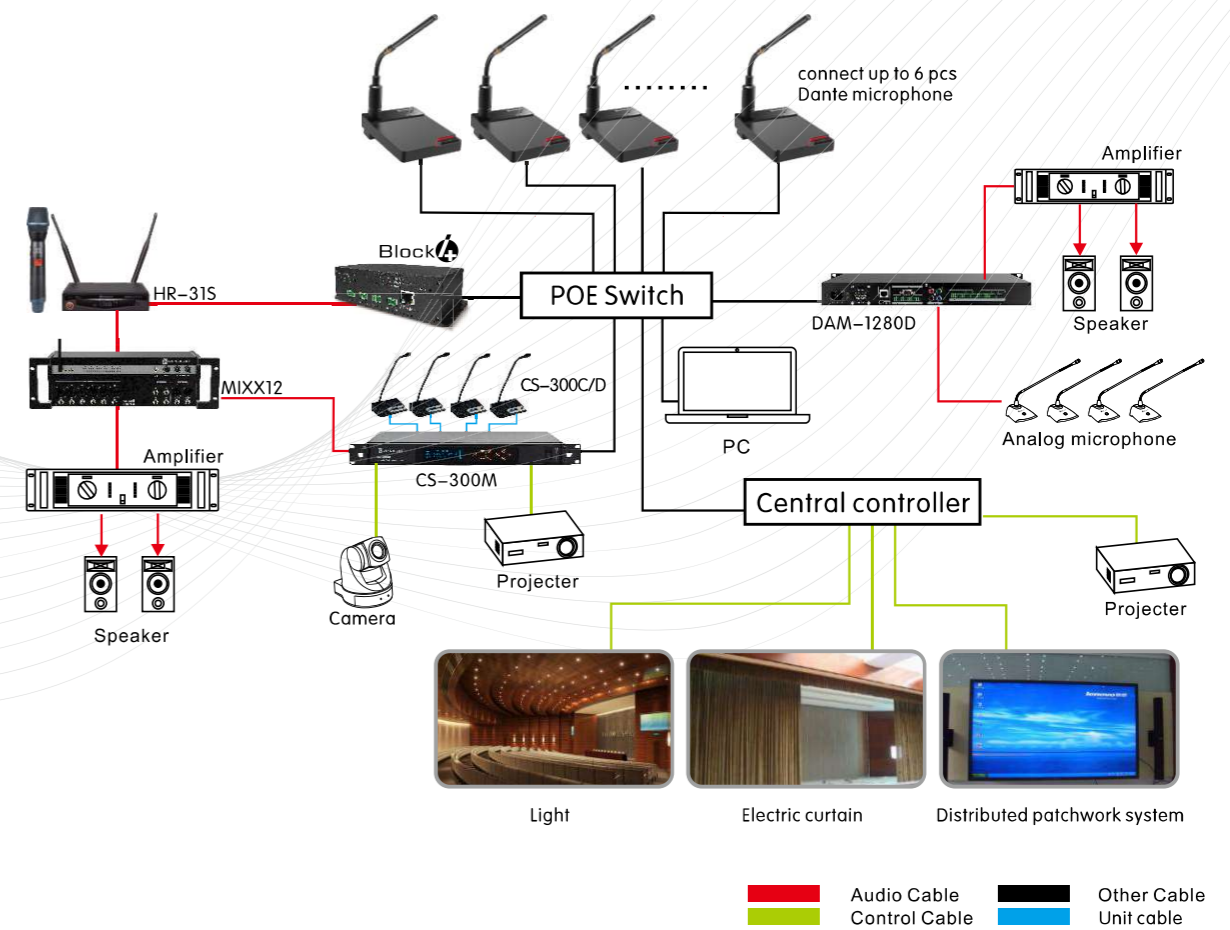
TDN1-F Microphone Desk Stand With Dante Networked Output



Frequency Response:	20-20,000Hz
Low Frequency Roll off:	150Hz, 18 dB/octave
Gain Adjustment:	six level of adjustable gain
Input Impedance:	2.2 KΩ
Maximum Sound:	0dBu @ +20 dB gain
Input Level:	0dBu @ +20 dB gain
Signal-to-Noise Ratio:	0dBu @ +20 dB gain
Power Requirements:	POE IEEE802.3af standard (Power consumption 1.5W)
Power Consumption:	2.3W
Phantom Power:	48V DC
Physical level:	standard Ethernet
Input Connector:	3-pin XLRM-type
Output Connector:	RJ45
Cable quality:	Shielded CAT5 or CAT6 recommended
Transmission speed:	100 Mbps
Dimensions(mm):	170(L)x120.3(W)x48.5(H)
Weight720 g:	720 g

- It can be used with the other brands gooseneck microphone.

System Connection Diagram



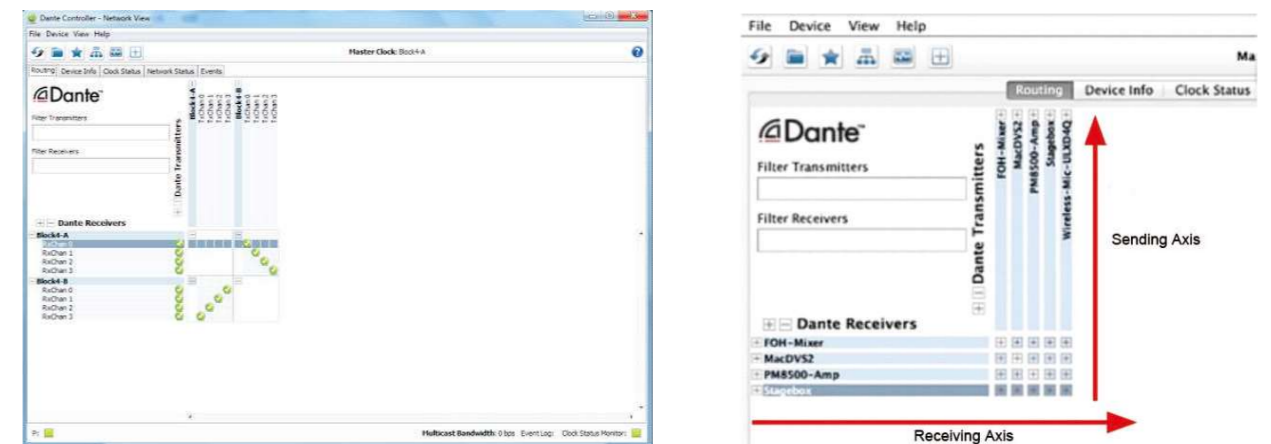
BLOCK 4

DANTE NETWORKED AUDIO INTERFACE



Block4 is a Dante-enabled digital audio switch combining 4 input and 4 output. Dante is a network protocol, which bases on the three-layer IP network technology, provides a low latency, high precision and low cost solution for point-to-point audio connection. Dante technology can apply to transmitting high precision clock signal and audio signal and can perform complex routing in Ethernet(100M or 1000M),to ensure a perfect sound effect; to solve the problem of complicated wiring of traditional audio transmission,reduce the cost. Adapt to the existing network,do not need to do special configuration.

System Connection Diagram



We need a Dante-enabled mixer, wireless microphone and power amplifier. All the equipment need to connect to the current switch board, all the Dante devices set to default. The connection is not complicated and no need professional knowledge, before connecting to the network switch board, just use the common CAT5 or CAT6 network cable to connect the primary port of Dante devices, then connect to any port of the 100M or 1000M switch board,(Remark: Dante can not run in WiFi environment, wired it relies on the stable network environment to transmit perfect audio)

Key Features

Flexible Configuration

- Connect directly to network via Ethernet cable-no need for expensive audio cable or soldering
- Powered by network PoE: PoE IEEE802.3af standard
- Easy operation, simple mechanical gain adjustment switch, clear working indicator
- 48V phantom power

Flexible Expansion

- 4-channel analog audio output, equip with four indicator
- Equip with network connection indicator, network audio indicator, power indicator, reset switch
- RF anti-interference design.
- Solid alloy structure.

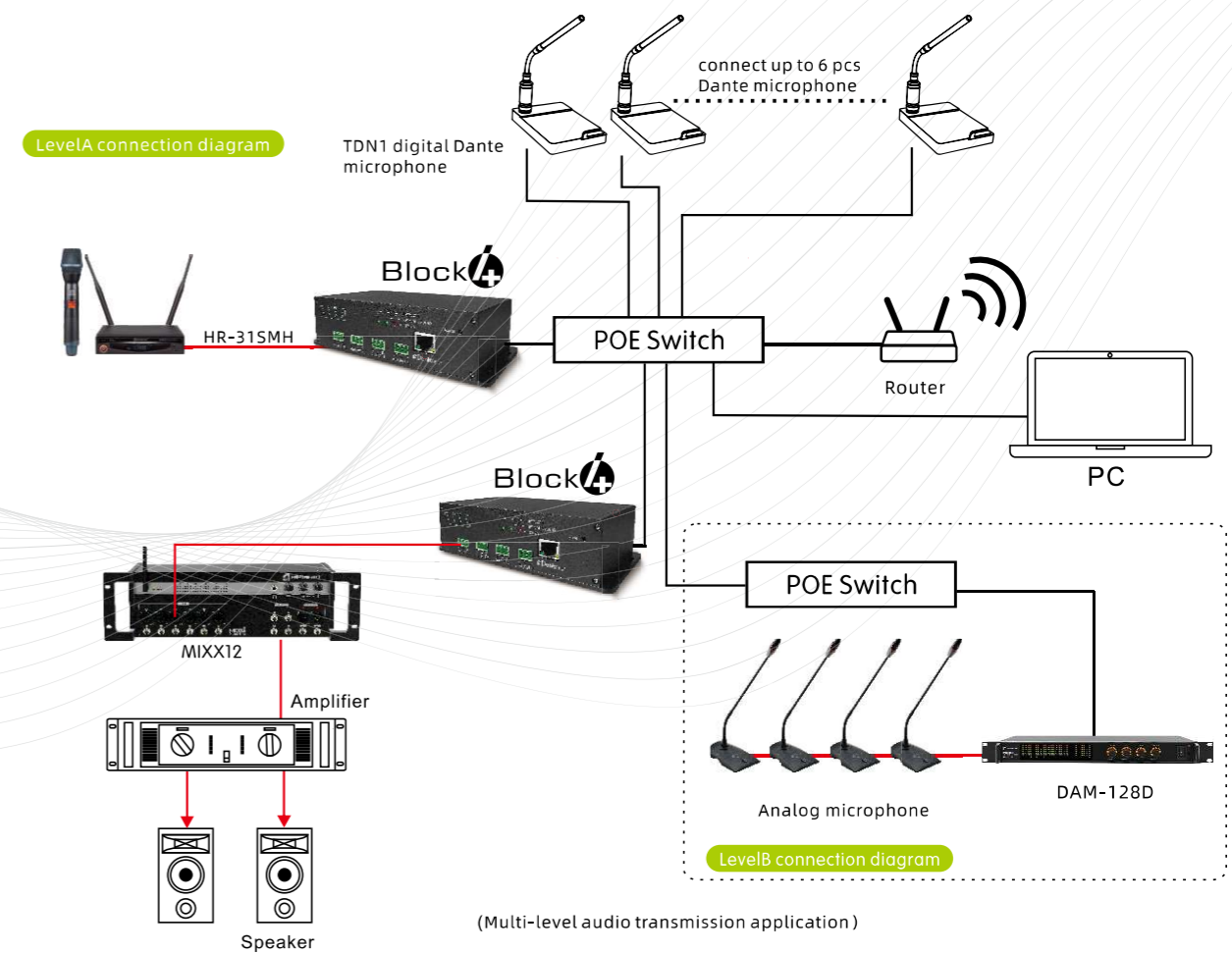
Product Specification



Output Level	18dBV
Audio Input Gain	10dB, 20dB, 30dB
Audio Connector	standard quick connector
Frequency Response	20HZ~20KHZ±2dB
Dynamic Range	110dB
Operating Temperature	0°C-70°C
T.H.D.	108dB, 1 kHz at 1 Pa
Power Consumption	5W
Input Impedance	2.2KΩ
Output Impedance	600 Ω
Dimension(mm)	166(W) X 83(H) X 44.6(D)
Weight	0.5KG

BLOCK 4

Dante Networked Audio Interface



(Multi-level audio transmission application)

■ Audio Cable
■ Other Cable

DAM-128D | DIGITAL AUTOMATIC MIXER WITH DANTE INTERFACE



12-channel digital auto mixer with automatic opening only the signal input channel, the sound gate action level can be automatically adjusted, this function is only in the microphone when the working state will be activated, can try to avoid multiple open microphone sound' quality falling down. Easy to install, just set the session on the spot, that can play an automatic function, do not worry about the setting work. And can be selected according to the needs of automatic processing or forced to close the microphone manual processing function, under the auspices of the host, can make the meeting smoothly. Digital intelligent conference processor is the perfect combination of digital audio and digital control technology to high-performance DSP as the core, with dedicated control software, each channel can be set and adjusted in detail, comes with 12x8 matrix, support multiple levels, All intelligent conference management, can easily form a set of powerful, easy to operate digital intelligent conference system. It is applicable to the high demand of court, business center, conference center, hotel and TV station.

Product Specification



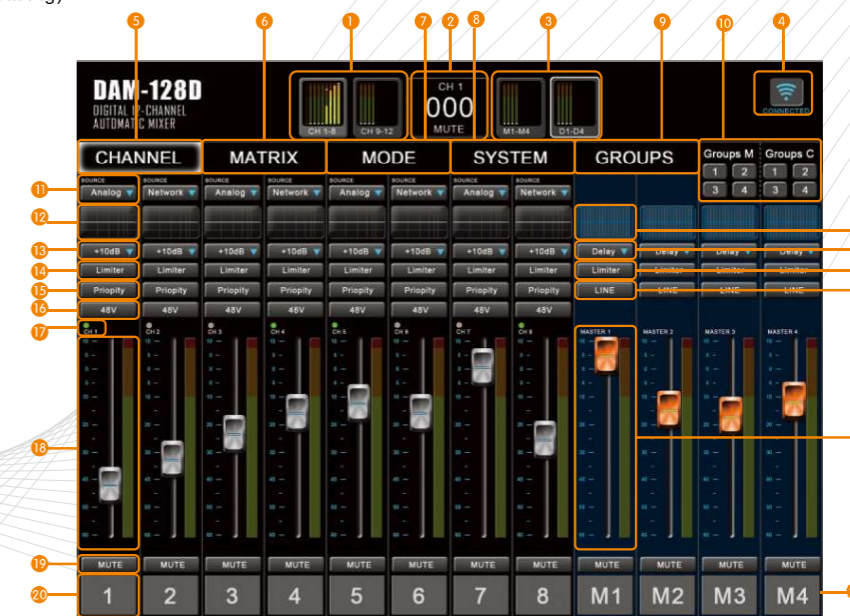
DAM-128D Digital Automatic Mixer with Dante Interface

- EIA standard 1U metal chassis, professional and elegant.
- Equipped with handle, easy to lift or move.

Dynamic Range (20 Hz to 20 kHz, A-weighted, typical)	Analog-to-Analog : 100dB
Harmonic Distortion 1 kHz, +4 dBu out, mix output (MASTER) at +0 dB	<0.05%
S/N(22 Hz - 22 kHz, RMS, A-Filter)	118dB
Common Mode Rejection Ratio 150Ω balanced source, at 1kHz	>60 dB
Number of input channels	MICx8, Linex4, Dantex4
Maximum Input Level(Gain Max)	Mic: +6 dBV Line: +25dBV
Maximum Gain	Mic: +65db Line: +20db
Number of output channels	Analogx4, Dantex4
Maximum Output Level	Line(+0): +21dbu MIC(-20): +1dbu
Dante Interface	4x4
AD/DA Converter	24bit, 48KHz
Internal Processing	40-bit, floating point DSP
DSP functions	Input, output equalization, limiter, FBK,matrix control, threshold control, high and low pass filter
FRQ range	20Hz-20KHz
Phantom Power	+48V/12mA
Network Interface	10/100 Mbps Ethernet, Dante digital audio
Main Frame Size:	EIA standard 1U
Dimensions(mm)	410(W)x43(H)x206(D)
Weight	Approximately 2.7 Kg
Operating Temperature Range	0~40°C

Computer control the software interface instruction

software interface: (as shown in Fig)



1. Input Channel Interface Switcher	14. Input Channel Compressor Setting Interface
2. Parameter Display (can input the current function parameter manually)	15. Input Channel Priority Function Switch
3. Output Channel Interface Switcher	16. Input Channel 48V Phantom Power Switch
4. Communication Connection Button and Status Display	17. Input Channel Working Status Display
5. Channel Page	18. Input Channel Volume Fader and Volume Display
6. Matrix Setting Page	19. Input Channel Mute Switch
7. Mixing Mode Setting Page	20. Input Channel Name Display
8. System Setting Page	21. Output Channel 31-band Graphic EQ page
9. Group Setting Page	22. Output Channel Delay Setting Button
10. Mute, Control, Group Function Switch	23. Output Channel Compressor Setting Page
11. Input Source Switch Menu	24. LINE Output Channel and Mic Output Switch
12. Input Channel 4-band Parametric EQ Setting Page	25. Output Channel Volume Fader and Volume Display
13. Input Channel Gain Setting	26. Channel Name (can edit output channel name)

Key Features

Intelligent Management

Using TCP / IP connection, can be connected to special software to achieve the remote control of the conference system, remote diagnosis and upgrade

Powerful Function

- Through the use of TCP / IP connection to achieve computer PC software control and iPad software remote control settings of the parameters;
- Each channel can be set to priority, limiter adjustment;
- 4 - band parametric equalizer, frequency, Q value, amplitude adjustable;
- Shed filter set, to eliminate unnecessary noise in the band;
- Multi-stage frequency adjustable slope of the high and low pass filter, can show a better transient response;
- Support 8 microphone input channel with 48V phantom power supply independently, 4 MASTER analog output, 4 Dante audio or Dante microphone flexibly-switched input channel

Flexible Expansion

- Built-in Ethernet version of the DANTE™ digital audio card, can connect the mixer to any DANTE™ device
- The RS-232 interface can be used to connect central control equipment and camera tracking system.

Independent Channel Digital Process

- With 12 independent working channels, each channel output can be independently adjusted gain, do not interfere with each other, multi-functional intelligent meeting digital auto matic mixer.
- Independent configuration FBK, NOMA function
- All-digital signal processing, built-in high, low-pass filter, limiter, 12*8 matrix and so on. The basic use of the operation connected to the computer with proprietary control software, each channel can be detailed settings and adjustments.
- 12-channel input and 8-channel output with DANTE, analog and digital mixing matrix control, suitable for a wider range of application.

Application:



DAM-208D | DIGITAL AUTOMATIC MIXER WITH DANTE INTERFACE



DAM-208D is a 20-input, 8-output, intelligent digital mixer that supports Dante protocol. Digital intelligent conference processor is the perfect combination of digital audio and digital control technology to high-performance DSP as the core, with dedicated control software, each channel can be set and adjusted in detail, comes with 20x8 matrix, support multiple levels, All intelligent conference management, can easily form a set of powerful, easy to operate digital intelligent conference system. It is applicable to the high demand of court, business center, conference center, hotel and TV station.

Product Specification



DAM-208D Digital Automatic Mixer with Dante Interface

- EIA standard 1U metal chassis, professional and elegant.
- Equipped with handle, easy to lift or move.

Dynamic Range (20 Hz to 20 kHz, A-weighted, typical)	Analog-to-Analog : 100dB
Harmonic Distortion 1 kHz, +4 dBu out, mix output (MASTER) at +0 dB	<0.05%
S/N(22 Hz - 22 kHz, RMS, A-Filter)	118dB
Common Mode Rejection Ratio 150Ω balanced source, at 1kHz	>60 dB
Number of input channels	MIC * 8 、 Line * 4 、 Dante * 4
Maximum Input Level(Gain Max)	Mic: +6 dBV Line: +25dBV
Maximum Gain	Mic: +65db Line: +20db
Number of output channels	Analog x4 、 Dante x 4
Maximum Output Level	Line(+0): +21dbu MIC(-20): +1dbu
Dante Interface	4x4
AD/DA Converter	24bit, 48KHz
Internal Processing	40-bit, floating point DSP
DSP functions	Input, output equalization, limiter, FBK, matrix control, threshold control, high and low pass filter
FRQ range	20Hz~20KHz
Phantom Power	+48V/12mA
Network Interface	10/100 Mbps Ethernet, Dante digital audio
Main Frame Size	EIA standard 1U
Dimensions	410mm x43mm x206mm
Weight	Approximately 2.7 Kg
Operating Temperature Range	0 ~40°C

Computer control the software interface instruction

software interface: (as shown in Fig)

Key Features

Powerful Function

- Through the use of TCP / IP connection to achieve computer PC software control and iPad software remote control settings of the parameters
- Each channel can be set to priority, limiter adjustment
- 4-band parametric equalizer, frequency, Q value, amplitude adjustable
- Shed filter set, to eliminate unnecessary noise in the band
- Multi-stage frequency adjustable slope of the high and low pass filter, can show a better transient response

Intelligent Management

- Using TCP / IP connection, can be connected to special software to achieve the remote control of the conference system, remote diagnosis and upgrade

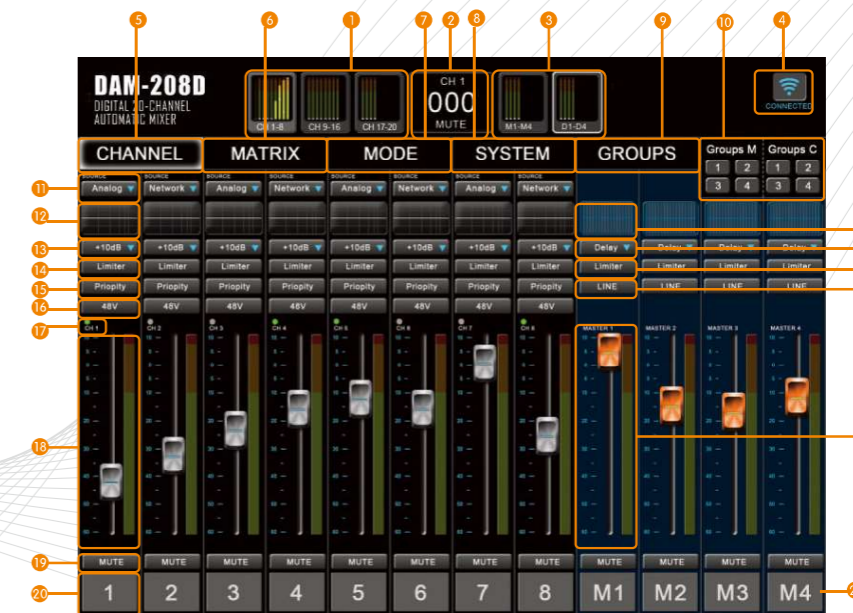
Independent Channel Digital Process

- With 20 independent input working channels, each channel can adjust the input gain separately, and support Dante input channel conversion; Dante output, do not affect each other.
- High-speed DSP chip with 40 bit floating-point operation and working frequency > 450MHz, combined with the digital audio automatic mixing algorithm independently developed by Relacart core technology team, always maintains the style of displaying the most realistic sound; and supports Dante microphone mixing features
- All-digital signal processing, built-in high, low-pass filter, limiter, 20*8 matrix and so on. The basic use of the operation connected to the computer with proprietary control software, each channel can be detailed settings and adjustments.
- Automatic threshold adjustment, which can calculate the most suitable valve level based on the ambient noise of the scene using the powerful computing system of DSP digital algorithm, suitable for any bad meeting environment. With hold time function to ensure your meeting is smoother.
- 20-channel input and 4-channel output with DANTE, analog and digital mixing matrix control, suitable for a wider range of application.

Flexible Expansion

- Built-in Ethernet version of the Dante™ digital audio card, can connect the mixer to any Dante™ device
- The RS-232 interface can be used to connect central control equipment and camera tracking system.
- Connect multiple DMC-500 mixer controllers without software control to adjust common channel volume

Application:



1. Input Channel Interface Switcher	14. Input Channel Compressor Setting Interface
2. Parameter Display (can input the current function parameter manually)	15. Input Channel Priority Function Switch
3. Output Channel Interface Switcher	16. Input Channel 48V Phantom Power Switch
4. Communication Connection Button and Status Display	17. Input Channel Working Status Display
5. Channel Page	18. Input Channel Volume Fader and Volume Display
6. Matrix Setting Page	19. Input Channel Mute Switch
7. Mixing Mode Setting Page	20. Input Channel Name Display
8. System Setting Page	21. Output Channel 31-band Graphic EQ page
9. Group Setting Page	22. Output Channel Delay Setting Button
10. Mute, Control, Group Function Switch	23. Output Channel Compressor Setting Page
11. Input Source Switch Menu	24. LINE Output Channel and Mic Output Switch
12. Input Channel 4-band Parametric EQ Setting Page	25. Output Channel Volume Fader and Volume Display
13. Input Channel Gain Setting	26. Channel Name (can edit output channel name)

CONFER X

DIGITAL 64-CHANNEL AUTOMATIC MIXER WITH DANTE INTERFACE



CONFER X is a digital automatic mixer with 64-channel input and 16-channel output, which is independently developed by Relacart and the global-first creation. 64-channel input, 16-channel output analog and DANTE digital hybrid matrix control are suitable for wider application engineering. 1-32 automatic mixing channels can set each channel independently and open threshold. It can set the most suitable threshold level according to the environmental noise, echo and the channel near the loudspeaker. It is suitable for any harsh meeting environment. And the hold-time is adjustable, ensure that your meeting is smoother.

Key Features

Intelligent Management

- The main controller adopts TCP/IP connection mode and can connect special software to realize remote control of conference system, remote diagnosis and upgrade.

Practical function

- Through TCP/IP connection, can set every parameter by the computer software and the remote setting of the iPad software.
- Priority and compressor adjustment can be set for each channel.
- Four-segment parametric equalization, adjustable frequency, Q value and amplitude;
- The filter can eliminate unnecessary noise in the frequency band.
- High-pass and low-pass filters with adjustable frequency can exhibit better transient response.
- Encoders with scaling indicators can control the volume of four channels, and can set any input/output channel to display volume scale, mute indication, distortion indication and output LINE/MIC indication respectively. Each encoder is equipped with an OLED display screen to display channel name and channel volume value.

Flexible Expansion

- Built-in Dante digital audio card can connect the mixer to any Dante device.
- RS-232 interface can connect to central control and video tracking system.
- Without the use of software control, multiple DMC-500 mixer controllers can be connected to adjust the commonly used channel volume.

Independent Channel Digital Process

- 64-Channel Dante input, channel1-32 adopt DSP algorithm auto mix, channel33-64 support analog input conversion.
- 16-channel independent output, 8 channel is analog signal output, 8 channel is Dante signal output
- 4 channel is line input(RCA plug), can be switched arbitrarily in 33-64 channels and can not be set repeatedly.
- Full digital signal processing, built-in high-pass and low-pass filters, limiters, matrix, etc. The basic operation is connected to the computer with special control software, which can make detailed settings and adjustments for each channel.
- 64 x 64 Dante and analog mixing matrix control, suitable for wider application engineering.

Application:



Product Specification



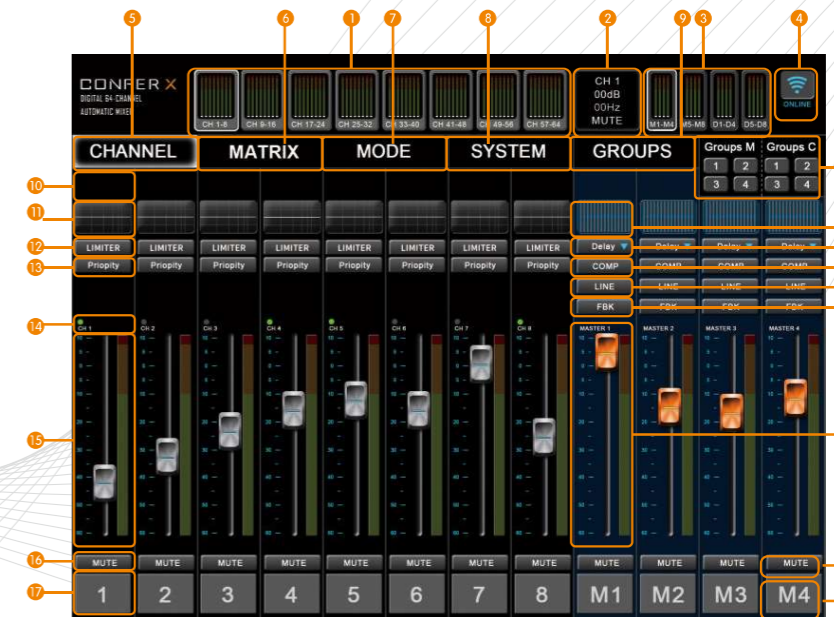
CONFER X

Digital 64-channel Automatic Mixer with Dante Interface

- EIA standard 1U metal chassis, professional and elegant.
- Equipped with handle, easy to lift or move.

Dynamic Range (20 Hz to 20 kHz, A-weighted, typical)	Analog-to-Analog : 100dB
Harmonic Distortion 1 kHz, +4 dBu out, mix output (MASTER) at +0 dB	<0.05%
S/N(22 Hz - 22 kHz, RMS, A-Filter)	118dB
Common Mode Rejection Ratio 150Ω balanced source, at 1kHz	>60 dB
Number of Input Channel	AUXx4、Dantex64
Maximum Input Level	Channel input AUX Input (Lotus): +25dBu
Number of Output Channels	Analogx8、Dantex8
Maximum Output Level	Line(+0): +21dbu MIC(-20): +1dbu
Dante Interface	64 (input)X 8(output)
AD/DA Converter	24bit, 48KHz
Internal Processing	40-bit, floating point DSP
DSP Functions	Input, output equalization, limiter, FBK,matrix control, threshold control, high and low pass filter
FRQ Range	20Hz~20KHz
Network Interface	10/100 Mbps Ethernet, Dante digital audio
Main Frame Size	EIA standard 1U
Dimensions(mm)	410(W)x43(H)x206(D)
Weight	Approximately 2.7 Kg
Power Requirements	~110V-240V 50/60Hz 60W
Operating Temperature Range	0~40°C

Computer control the software interface instruction
software interface: (as shown in Fig)



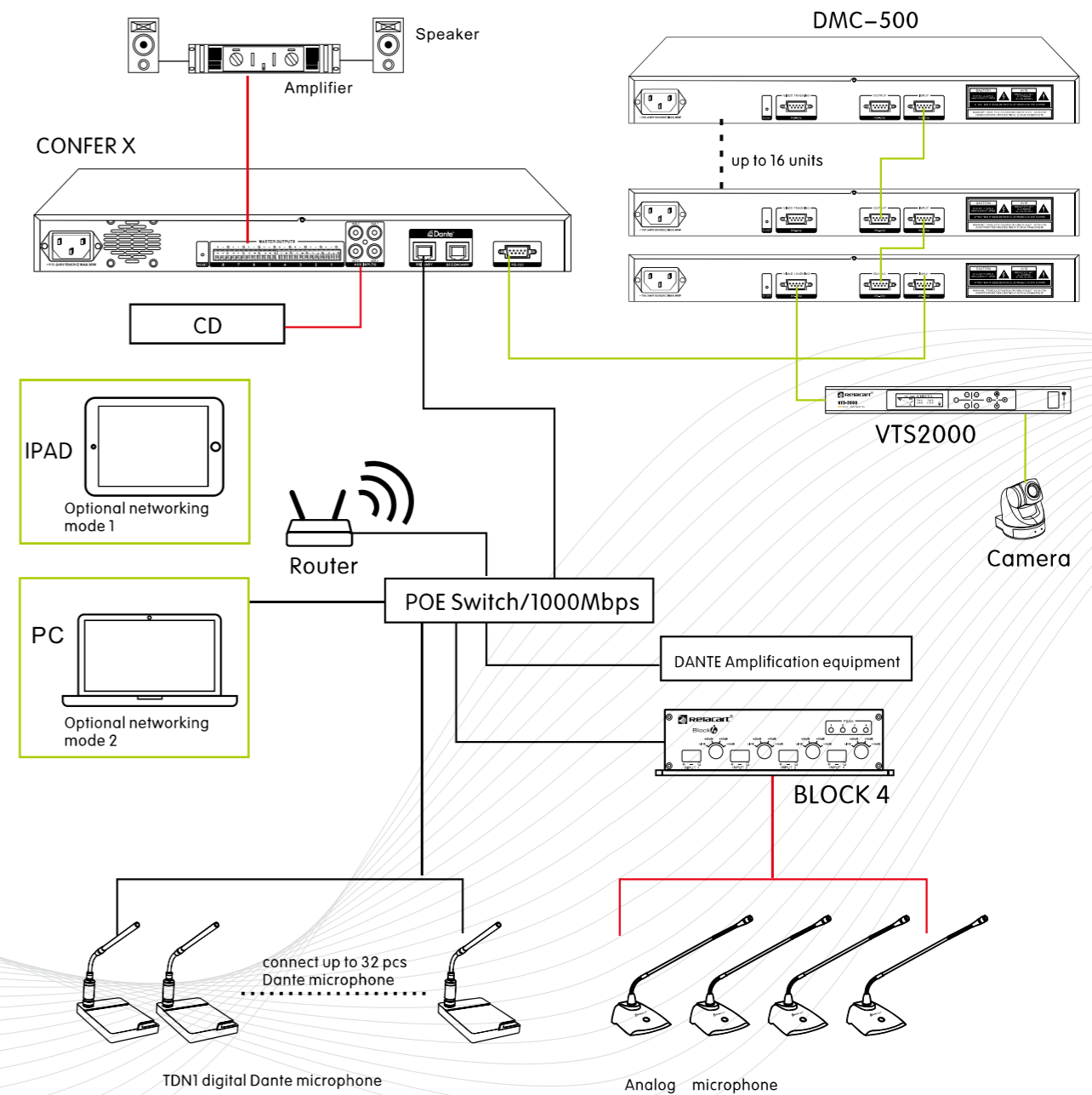
1.Input Channel Interface Switcher	14.Input Channel Working Status Display
2.Parameter Display(can input the current function parameter manually)	15.Input Channel Volume Fader and Volume Display
3.Output Channel Interface Switcher	16.Input Channel Mute Switch
4.Communication Connection Button and Status Display	17.Input Channel Name Display
5.Channel Page	18.Mute and Control Group Function Switch
6.Matrix Setting Page	19.Output Channel 15-band Graphic EQ page
7.Mixing Mode Setting Page	20.Output Channel Delay Setting Button
8.System Setting Page	21.Output Channel Compressor Setting Page
9.Group (Mute Group and Control Group Setting)	22.LINE Output Channel and Mic Output Switch
10.Input Source Switch Menu (For channel 33-64 only)	23.FBK (can avoid feedback automatically)
11.EQ Setting (For channel 1-32 only)	24.Output Channel Volume Fader
12.Input Channel Compressor Setting Interface	25.Output Channel Mute Switch
13.Input Channel Priority Function Switch	26.Channel Name (can edit output channel name)

DMC-500 | DIGITAL AUTOMATIC MIXER CONTROLLER



The DMC-500 Mixer Controller is designed for the DAM Series and Confer X Mixers. A total of 5 channels can be set to any channel of the mixer to adjust the volume of the channel being set. Multiple controllers can be connected hand in hand to control the volume of multiple channels.

System Connection Diagram



Key Features

Intelligent Management

- The controller adopts RS-232 connection mode, which can be connected to special software to realize the connection and control of multiple DAM series and Confer X mixer, and realize the customer demand of multi-channel volume control adjustment.

Powerful Function

- 5 channel settings
- Control mixer input and output channel volume
- OLED display shows the channel name and volume of the mixer
- Video tracking

Flexible Expansion

- Connect the RS-232 interface of the mixer to the RS-232 input connector of the mixer controller.
- RS-232 output interface: When multiple DMC-500 are connected hand in hand, the first RS-232 output is connected to the second RS-232 input. The rest can be done in the same manner.
- The RS-232 video tracking interface is connected to the video tracking device.

Product Specification



DMC-500 Digital Automatic Mixer Controller

Power:	100-240V AC 50-60Hz 46W
Communication protocol:	RS-232
Communication interface:	3
Display:	OLED
Number of channels:	5
Control device:	encoder
Main Frame Size:	EIA standard 1U
Dimensions(mm)	410(W)x43(H)x206(D)
Weight	Approximately 2.7 Kg

RDA20

DANTE AUDIO NETWORKED
ENABLED SPEAKER SYSTEM



The RDA20 is an integrated active full frequency speaker with network transmission and pure digital power amplifier. The speaker is powered by PoE+ network switch meaning no external power supply is required. The speaker includes a Class D amplifier which provides. Connect a network cable to communicate with the built-in Dante module to realize network audio signal transmission. By automatically assigning an IP address through the router DHCP, it can transmit signals with Dante's audio matrix in the LAN, and it is easy to set up a full digital network sound reinforcement system. Suitable for education, hospitals, small and medium-sized conference rooms, home theaters, restaurants, houses of worship and other places.

Product Specification



Power supply:	standard POE / POE +
Supply voltage:	37V-57V
Output power:	POE 10W / POE + 20W
Frequency response (-3dB):	85Hz-17KHz
Sound pressure level output (-6dB):	110dB / aes continuous; 113dB / peak
Coverage angle:	horizontal / vertical 90° / 90°
Input jack:	RJ45
Size (mm):	(w) 132 * (d) 160 * (h) 236
Weight:	about 2.93KG
Accessories:	wall bracket

RDA20

Dante Audio Networked
Enabled Speaker System

Key Features

Flexible Expansion

- Rj45 connection for audio from PoE+ Ethernet Automatically assign an IP address through the router DHCP

Powerful Function

- With high efficiency and high sound output, excellent sound quality, perfect protection function and good electromagnetic compatibility characteristics
- Full frequency speaker integrated with network transmission and pure digital power amplifier.router DHCP

CS-302

CONFERRING DISCUSSION SYSTEM WITH DANTE NETWORK INTERFACE



CS-302 is a simple and affordable Conference discussion system. With exquisite design, focusing on application of various conferences, the newly developed sound activate mode, the participants don't need operating manually, just speaking to microphones directly, the microphone unit can be started to speak, simple to use, fully applicable to the various conference locations. This system is composed of software and hardware, adopt microprocessor control, the unit automatically detect settings, innovation speaking mode setting, limiting times setting, and implementation of system video preset functions. As a new generation of multi function, can be separated from the computer to use, convenient operation of the video tracking discuss conference system, is the ideal solution for conference engineering application.

Key Features

Practical Function

- Adopt the OLED display, can display the microphone status, operating mode, central controller status, the number of speaker, etc.
- 4 kinds of conference mode selection: FIFO, Automatic(with limiting time), Request, Sound activate.
- The central controller can select the number of speakers, active 2/3/4 microphones in a time.
- Support camera tracking, through the serial port RS-232 or RS-422 communication protocol control up to 4 cameras, compatible with VISCA, PELCO-D, PELCO-P 3 kinds of camera control code protocol.
- With 4 video inputs and 1 video output port, SD and HD SDI video inputs and outputs are supported. HD SDI supports HDcctv1.0, HD-SDI (ST292), 3G-SDI (ST424) and SD-SDI (259).
- 9-pin serial port control interface can be connected to intelligent control system for camera tracking.
- Support Dante protocol, flexible to meet various engineering solutions.
- The newly developed high-voltage, low-current power supply system minimizes line voltage losses and minimizes the effects of overly long connecting cables. One cable to connect more conference units makes installation easier.
- Adopt using anti shedding aviation cable hand in hand connection mode, the connection is simple, reliable and stable, the whole system required engineering and installation costs can be reduced.

Clear Sound Quality

- With automatic gain audio processing circuit, prevent feedback effectively and improve the clarity of the whole system.

Flexible Speaking

- CS-302C and CS-501C chairman unit has the priority to override all delegate units, to control the atmosphere of the meeting.

Four Speech Mode:

- ① Time limiting: The speech time limit can be set to 1-60 minutes, and the speech will be automatically closed when the time is up. After reaching the power-on quantity, when another representative wants to speak, it will automatically enter the request-to-speak registration queue.
- ② FIFO: FIFO mode (default). After reaching the power-on number, the speaking unit that was opened first is closed by the subsequent speaking unit.
- ③ Request: The speaking of the representative unit needs to be approved by the chairman unit or the operator. In this mode, the chairman unit always keeps the normally open state.
- ④ Voice Activated: When the microphone is turned on by voice, manual operation is not required. After the number of power-on is reached, the speaking unit that is turned on first is turned off by the subsequent speaking unit.

Clear Sound Quality

- With record output can connect the recorder, all records can be fully recorded and saved, also can connect the external audio device.

Flexible expanding

- It is easy to expand and change configuration. The central controller connect up to 30 microphone units. If connect the EXP-124W, can connect up to 110 microphone units.
- Connecting telephone coupler can be applied directly to a remote call meeting.

Product Specification



CS-302M
Central Controller

Chassis specifications:	EIA Standard 1U
Supply voltage:	90-264V AC or 127-370V AC, 47-63Hz
Static power consumption:	6W
Rated power:	75W/24V
Maximum power:	100W/24V
XLR balances carnon maximum output level:	14.6dBu
Maximum output level of the 6.35mm balance socket:	14.6dBu
RCA lotus socket maximum output level:	9.8 dBu
RCA lotus socket maximum input level:	3.2 dBu
Conference unit extension:	Anti drop 9P aviation plug x 1, Network port (female) x1
Video input port:	BNC x 4
Video output port:	BNC x 1
Video interface impedance:	75Ω
9 pin serial port control interface:	DB9 Female plug x 1
RS-232 control protocol interface:	5P Phoenix terminal X 1
RS-422 control protocol interface:	5P Phoenix terminal X 1
Dante interface:	RJ45x1
Audio output:	XLRM x 1, 6.35mm jack x 1, RCA Lotus x 1
Audio input:	RCA Lotus x 1
Screen type:	OLED
Key mode:	touch style
Weight:	about 2.3kg
Dimension (mm):	410 (W) x43 (H) x206 (D)



CS-302C Chairman unit CS-302D Representative unit

Polar pattern:	Cardioid Condenser
Frequency response:	50Hz-18KHz
Sensitivity:	-30dB+/-3dB(0dB=1V/Pa, f=1KHz)
Maximum input sound pressure level:	105dB (THD < 5%, f=1KHz)
Signal to noise ratio (A weighted):	> 100dBA (THD < 1%, f=1 KHz)
Distortion:	< 0.1%
Power supply:	24V DC (supplied by the receiver)
Maximum power of speakers:	1.5W
Power consumption:	0.8W-2.5W
Phone connector:	3.5mm jack
Screen type:	OLED
Unit interface:	Anti drop 9P aviation plug
Weight:	950g
The length of microphone :	340mm/420mm/480mm
The size of the microphone base:	182mmx 51mm x 110mm
Color:	nickel black



CS-501C Chairman unit CS-501D Representative unit

Polar pattern:	Cardioid Condenser
Frequency response:	50Hz-20KHz
Sensitivity:	-20dB+/-3dB(0dB=1V/Pa, f=1KHz)
Maximum input sound pressure level:	110dB (THD < 5%, f=1KHz)
Signal to noise ratio (A weighted):	> 100dBA (THD < 1%, f=1 KHz)
Distortion:	< 0.1%
Power supply:	24V DC (supplied by the receiver)
Power consumption:	0.72W
Unit interface:	RJ45 network port
Weight:	about 670g
Dimension (mm):	147 (L) x115 (W) x218 (H)

CS-102

WIRED AUDIO CONFERENCE DISCUSSION SYSTEM



The CS-102 is a simple, affordable discussion audio conferencing system. CS-102M is the control center of the whole system, including conference mode selection, external output sound reinforcement level, line input function, etc. The system can accommodate 256 microphone units, with voice input automatic gain, howling suppression, FIFO and voice-activated functions. Apply to boardrooms, business meetings, educational institutions, hotels, conference rental, system reconstruction, etc.

Key Features

Practical Function

- With automatic gain audio processing circuit, it can effectively prevent the feedback and improve the clarity of the entire system.
- Gooseneck conference microphone design, the direction can be adjusted flexibly.
- The indicator on the conference unit shows the speaking status.

Flexible Speech

- Three operating modes: FIFO mode: 1/3/6 in a time, AUTO speaking mode or voice-activated mode.
- CS-102C equipped with PRIORITY button and can override all the delegate units.

Anti-Interference

- It adopts the hand-in-hand connection method of anti-dropping aviation cable, which is simple, reliable and stable.

Flexible Expandability

- With RS-232 interface, it can be connected to central control system or video tracking system.
- The front panel is equipped with a USB interface, which can be connected to a USB flash disk to record the meeting process.
- It can be connected to the conference system expander EXP-124 for further unit expansion.

Application:



Product Specification



CS-102M
Central Controller

- EIA standard 1U metal rack receiver chassis.
- The speech number could be chosen in the central controller, and has first-in first-out function.
- Equipped with handle, which is easy for lift.

Main Voltage	AC100-240V 50/60Hz
Maximum Power	60W
Frequency Response	65Hz-15KHz
(S/N)	>85dB
(T.H.D)	<0.7%
Input	LINE IN:0dBV (f=1KHz, THD<0.3%)
Output	XLR:10dBV 6.3mm: -15dBV RCA:0dBV
Unit interface	Anti-drop 9P aviation plug
RS-232 interface	It can be connected to central control system or video tracking system.
Size(mm)	410(W) X43(H) x 206 (D)
Weight(g)	Approximately 2.3Kg

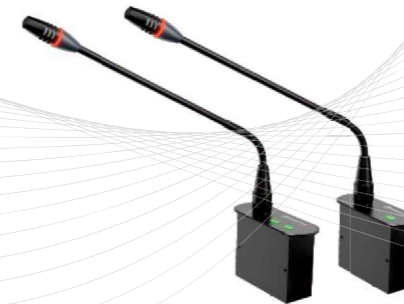


CS-102C
Chairman unit

CS-102D
Delegate Unit

- Refined and elegant design, ergonomic and very modern.
- Comply with IEC60914 international standard.
- the chairman unit equipped with PRIORITY button and can override all the delegate units.
- Supercardioid condenser microphone to achieve high-quality sound pickup.
- Fixed microphone pole.

Main Voltage	DC24 V
Power Consumption	0.5 W
Polar Pattern	Super cardioid
Frequency Response	80Hz - 18KHz
Unit interface	Anti-drop 9P aviation plug
Microphone type	Super cardioid condenser microphone
Distortion(T.H.D)	<0.7%
Sensitivity	-30dBv at 1V at 1Pa
Tabletop size(mm) (without microphone)	105(W) X43(H) x 105 (D)
Weight(g)	Approximately 785g



CS-102BC
Chairman unit

CS-102BD
Delegate Unit

- Refined and elegant design, ergonomic and very modern.
- Comply with IEC60914 international standard.
- The microphone has a bright ring to indicate working status.
- Microphone button with backlight indicator
- Cardioid condenser microphone to achieve high-quality sound pickup.
- Fixed microphone pole.

Main Voltage:	DC24 V
Power Consumption	0.5 W
Polar Pattern	Cardioid
Frequency Response	65Hz - 18KHz
Unit Interface	Anti-drop 9P aviation plug
Microphone type	Cardioid Condenser Microphone
Distortion(T.H.D.)	<0.7%
Sensitivity:	-20dBv at 1V at 1Pa
Base size(mm)	132 (W) X52 (H) x 90 (D)
Pole size(mm)	455(L)
Integrated base:	Approximately 343g
Integrated pole	Approximately 163g

CS-101

CONFERRING DISCUSSION SYSTEM WITH AUTOMATIC VIDEO TRACKING



CS-101 is a delicate and simple conferencing discussion system, practical function, simple operation, can easily apply to different business environment. The newly-developed voice-activated mode, no need manual operation, can activate the microphone by voice. Equipped with video tracking connector, can connect VTS-1000 to group a high performance video tracking conference discussion system. This system is widely applied to boardrooms, business meetings, educational institutions, hotels, conference rental, system reconstruction, etc.

Key Features

Clear Sound Quality

- Unidirectional condenser microphone for high quality sound pickup.
- Equipped with automatic gain audio processing circuit, effectively control the feedback.

Flexible Speech

- Two operation modes: FIFO and Voice activated mode can open one microphone, have first in first out function.
- Can activate 1/3/6 microphones, chairman unit has priority function.

Flexible Expand

- Equipped with recording output.
- Can connect VTS-1000 VIDEO TRACKING CONTROL SYSTEM.
- Can connect telephone coupler, enable for far distance telephone conference system.
- One central controller can connect up to 45 microphone units. If connect the EXP-12V45, can connect up to 104 microphone units.

Anti-Interference

- Special 9-pin connection cable, effectively minimize the interference.

Practical Function

- Built-in high performance processor, enable auto-process system gain, control feedback.

Application:



Product Specification



CS-101M
Central Controller

- EIA standard 1U metal rack receiver chassis.
- Equipped with handle, easy for lift or move.

Main Frame Size	EIA Standard 1U
Mains Voltage	AC100-240V 50/60HZ
Current Consumption	45W
Frequency Response	65Hz-15KHz
S/N	>85dB
Distortion(T.H.D)	<0.7%
Audio Input	LINE IN:0dBV(f=1KHz,THD<0.3%)
Audio Output	XLR Output: 8dBV Unbalance Line Output (6.3mm jack): 7.5dBV RCA Output: 4dBV
Chairman/Delegate Unit Interface	Anti drop 9P aviation plug
RS-232 Control Interface	Can connect with Intelligent Central Control System and Video Tracking System
Dimension(mm)	410(W)x43(H)x206(D)
Weight (kg)	2.3kg



CS-101C
Chairman unit

- Advanced conferencing technology, compliant with ICE60914.
- Unidirectional condenser microphone for high quality sound pickup.
- Priority bottom to switch off the speaking unit.
- With illuminated ring to indicate the working status.
- Anti-drop aviation cable, hand in hand connection way, simple connection, reliable and convenient for set up.

Mains Voltage	DC12V
Polar Pattern	Cardioid Condenser
Current Consumption	110mA
Frequency Response	65Hz-18KHz
S/N	>90dB
Distortion(T.H.D)	<0.7%
Sensitivity	-20dBV/Pa
Chairman/Delegate Unit Interface	Anti drop 9P aviation plug
Microphone Length (Selectable)	340mm/420mm(default) /480mm
Tabletop(without microphone)(mm)	105(W)x43(H)x150(D)
Weight(g)	780g
Color	Nickel black



CS-101D
Delegate Unit

- Advanced conferencing technology, compliant with ICE60914.
- Unidirectional condenser microphone for high quality sound pickup.
- Priority bottom to switch off the speaking unit.
- With illuminated ring to indicate the working status.
- Anti-drop aviation cable, hand in hand connection way, simple connection, reliable and convenient for set up.

Mains voltage	DC12V
Polar Pattern	Cardioid Condenser
Current Consumption	110mA
Frequency response	65Hz-18KHz
Distortion(T.H.D)	<0.7%
Sensitivity	-20dBV/Pa
Chairman/Delegate Unit Interface	Anti drop 9P aviation plug
Microphone Length (Selectable)	340mm/420mm(default) /480mm
Tabletop(without microphone)(mm)	105(W)x43(H)x150(D)
Weight(g)	780g
Color	Nickel black

CS-100 | CONFERENCE DISCUSSION SYSTEM



CS-100 is a practical and economical conference discussion system, elegant appearance, convenient installation, simple operation, widely apply to boardrooms, business meetings, educational institutions, hotels, conference rental, system reconstruction, etc.

Product Specification

- EIA standard 1U metal rack receiver chassis;
- Equipped with handle, easy for lift or move.

Main Frame Size	EIA Standard 1U
Mains Voltage	100V-240V AC 50/60Hz 50W
Current Consumption	45W
Frequency Response	55Hz-17KHz ±2dB
S/N	>90dB
Static Power	500mW
Output Power	15W/12V(Each Channel)
Distortion(T.H.D)	<0.3%
Audio Input	RCA Input: -9dBV(f=1KHz,THD<0.3%)
Audio Output	XLR Output: -10dBV Unbalanced Line Output (6.3mm jack): -15dBV RCA Output: -3dBV
Chairman/Delegate Unit Interface	Anti drop 9P aviation plug
Dimension(mm)	410(W)x43(H)x206(D)
Weight(kg)	2.3kg



CS-100M
Central Controller



CS-100C
Chairman Unit

- Advanced conferencing technology, compliant with ICE60914.
- Unidirectional condenser microphone for high quality sound pickup.
- Anti-drop aviation cable, hand in hand connection way, simple connection, reliable and convenient for set up.
- Priority bottom to switch off the speaking unit.
- With illuminated ring to indicate the working status;
- Black or silver for selection.

Mains Voltage	DC12V
Polar Pattern	Cardioid Condenser
Current Consumption	110mA
Frequency Response	65Hz-18KHz
S/N	>90dB
Distortion(T.H.D)	<0.7%
Sensitivity	-20dBV/Pa
Chairman/Delegate Unit Interface	Anti drop 9P aviation plug
Microphone Length (Selectable)	340mm/420mm(default) /480mm
Tabletop(without microphone)(mm)	105(W)x43(H) x 150(D)
Weight(g)	780g
Color	Nickel black



CS-100D
Delegate Unit

- Advanced conferencing technology, compliant with ICE60914.
- Unidirectional condenser microphone for high quality sound pickup.
- Anti-drop aviation cable, hand in hand connection way, simple connection, reliable and convenient for set up.
- Priority bottom to switch off the speaking unit.
- With illuminated ring to indicate the working status;
- Black or silver for selection.

Mains Voltage	DC12V
Current Consumption	110mA
Polar Pattern	Cardioid Condenser
Frequency Response	65Hz-18KHz
Distortion(T.H.D)	<0.7%
Sensitivity	-20dBV/Pa
Chairman/Delegate Unit Interface	Anti drop 9P aviation plug
Microphone Length (Selectable)	340mm/420mm(default) /480mm
Tabletop(without microphone)(mm)	105(W)x43(H) x 150(D)
Weight(g)	780g
Color	Nickel black

Key Features

Clear Sound Quality

- Unidirectional condenser microphone for high quality sound pickup.
- Equipped with auto-gain audio process circuit, effective prevent the feedback.
- Built-in high performance processor, enable auto-process system gain, control feedback.

Flexible Speech

- Active 1/3/6 microphones in a time, AUTO speaking mode, chairman unit has the priority to override all delegate units.

Flexible Expansion

- Can connect up to 60 microphone units.
- Audio input function, enable to connect to the external audio equipment.
- Connecting the telephone coupler can apply to the remote telephone conference directly.

Anti-Interference

- Special 9-pin aviation connection cable, effectively minimize the interference.

Application:



TSG series

PROFESSIONAL DESK MICROPHONE SET



The TSG series offers excellent sonic character, simple operation and streamlined appearance. Ideal for courtrooms, boardrooms, government chambers, schools and churches.

Key Features

Delicate Workmanship

- Small-diameter rigid-pipe design with pivoting ball-in-socket.
- With illuminated ring to indicate the working status.
- Sturdy metal desk stand base houses.
- With 3-pin XLRM-type output connector.

Clear Sound Quality

- Cardioid polar, excellent sound pickup.
- Low impedance audio output, smooth and clear sound quality.

Convenient Operation

- Simple mute switch, flexible for controlling the speech;
- Optional power mode, very convenient and flexible.

Product Specification



TSG-902 Professional Desk Microphone

TSG-902 is a wide frequency response condenser super directional microphone, with high quality sound pickup function. It is designed to the sound reinforcement, professional recording, television, broadcast, conference and other demanding high quality sound pickup applications.

Microphone type:	condenser cardioid super-directional
Frequency response:	80Hz-18KHz
Sensitivity:	-30dB at 1V at 1Pa
Impedance:	250Ω
Maximum input sound level:	125dB, 1KHz at 1% T.H.D.
Dynamic range (typical):	100dB, 1KHz at maximum sound pressure
S/N ratio:	110dB, 1KHz at 1% T.H.D.
Power supply:	DC24-52V phantom power supply
Switch:	On/Mute
Output connector:	Built-in 3-pin quick connector male
Dimensions(mm):	170(W) x 270 (D)X120(H)
Weight(g):	about 825g

Product Specification



TSG-910 Professional Desk Microphone

Element:	Fixed-charge back plate, permanently polarized condensers
Polar Pattern:	Cardioid
Frequency Response:	30Hz~18KHz
Sensitivity:	-35 dB/1Pa at 1V
Impedance:	250Ω
Maximum Input Sound Level:	125 dB SPL, 1KHz at 1% T.H.D
Dynamic Range(Typical):	105 dB, 1 kHz at Max SPL
S/N Ratio:	>65dB,1kHz at 1Pa
Switch:	(on circuit board) Mute/Toggle/Talk
Phantom Power Requirements:	3V(AA×2)or 11-52V DC, 5 mA typical
Weight:	800g
Microphone Length:	240mm
Output connector:	Integral 3-pin XLRM-type
Accessories Furnished:	Windscreen
Color:	Black



TSG-300 Professional Desk Microphone

Element:	Fixed-charge back plate, permanently polarized condensers
Polar Pattern:	Cardioid
Frequency Response:	30Hz~18KHz
Sensitivity:	-35 dB (17.7mV) 1Pa at 1V
Impedance:	250Ω
Maximum Input Sound Level:	125 dB SPL, 1KHz at 1% T.H.D
Dynamic Range(Typical):	105 dB, 1 kHz at Max SPL
S/N Ratio:	>65dB,1kHz at 1Pa
Switch:	(on circuit board) Mute/Toggle/Talk
Phantom Power Requirements:	3V(AA×2)or 11-52V DC, 5 mA typical
Weight:	1000g
Microphone Length:	340mm,420mm(default),480mm
Output connector:	Integral 3-pin XLRM-type
Accessories Furnished:	Windscreen
Color:	Black



TSG-550 Professional Desk Microphone

Element:	Fixed-charge back plate, permanently polarized condensers
Polar Pattern:	Cardioid
Frequency Response:	45Hz~18KHz
Sensitivity:	-32 dB 1Pa at 1V
Impedance:	250Ω
Maximum Input Sound Level:	125 dB SPL, 1KHz at 1% T.H.D
Dynamic Range(Typical):	105 dB, 1 kHz at Max SPL
S/N Ratio:	>70dB,1kHz at 1Pa
Switch:	(on circuit board) Mute/Toggle/Talk
Power Supply:	11-52V DC, 5mA typical
Weight:	820g
Microphone Length:	395mm
Stand dimension:	150mm x 105 mm x 43 mm
Output connector:	Integral 3-pin XLRM-type
Accessories Furnished:	Windscreen



TSG-600 Professional Desk Microphone

Element:	Fixed-charge back plate, permanently polarized condensers
Polar Pattern:	Cardioid
Frequency Response:	80Hz~18KHz
Sensitivity:	-32 dB (17.7mV) 1Pa at 1V
Impedance:	250Ω
Maximum Input Sound Level:	125 dB SPL, 1KHz at 1% T.H.D
Dynamic Range(Typical):	105 dB, 1 kHz at Max SPL
S/N Ratio:	>65dB,1kHz at 1Pa
Switch:	(on circuit board) Mute/Toggle/Talk
Power Supply:	11-52V DC, 4 mA typical
Weight:	996g
Microphone Length:	340mm,420mm(standard),480mm
Output connector:	Integral 3-pin XLRM-type
Accessories Furnished:	Windscreen
Color:	Black

RG10

PROFESSIONAL DESK MICROPHONE SET



RG-10 is a wide-range condenser cardioid microphone, with high-quality sound pick up function. It is designed to the sound reinforcement, professional recording, television, broadcast, conference and other demanding high quality sound pick up applications.

Key Features



Practical Function

- RG-10 is a wired conference microphone, with a standard 3-pin XLRM connector. The tube body is a small triangle-shaped gooseneck design, which can easily adjust the capsule to any position, and is equipped with a mute light indicator.
- The exquisite triangle base is made of durable alloy casting, strong and artistic, and the base is equipped with a mute switch and working indicator light.
- The balance audio output is with low impedance, Audio signal is output with pin 2 and 3 of XLRM, pin 1 is GND(Shield), The output phase is set on the pin 2 with positive phase electrical level.

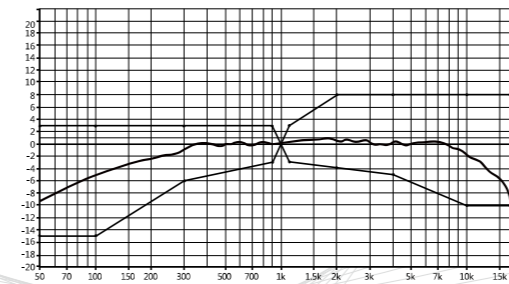
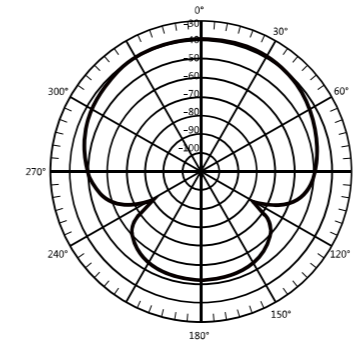
TSG PROFESSIONAL DESK MICROPHONE SET

Product Specification



RG-10
Professional Desk Microphone

Microphone type:	Backplane polarized electrostatic capacitance type
Directivity characteristics:	Super cardioid
Frequency response:	50Hz - 18000Hz
Sensitivity:	-47dB, f=1KHz @ 1V / Pa
Output impedance:	2900 ohms
Maximum sound pressure:	120dB, 1KHz to 1%T.H.D
Dynamic range (typical):	115dB, 1KHz at the highest sound pressure
S/N:	110dB(A), THD=1% @ 1KHz to 1V/Pa
Phantom Power Supply:	48V DC
Power consumption:	8mA
Output connector:	built-in 3-pin XLR-Male
Best pickup distance:	10-40cm
Dimension(mm):	148(L) x 115(W) x 233(H)
Weight:	about 715g



GS/EG/ES/GF series

CONDENSER GOOSENECK MICROPHONE WITH MUTE SWITCH



GS-380/450/530 gooseneck microphone is a wide-range condenser Cardioid directivity professional microphone, dual gooseneck microphone design, built-in audio frequency transformer, the effect of high quality sound pickup. It is designed for professional recording, television broadcasting, meetings and other occasions.



ES-910 gooseneck microphone is a professional microphone which is wide-range condenser super directivity, built-in audio transformer and have high quality pick up effect. This microphone is suitable for seminar, middle to large meeting, television broadcasting and professional recording.

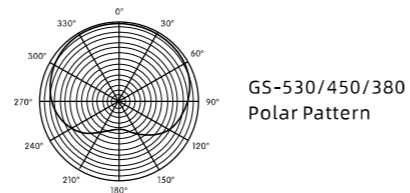
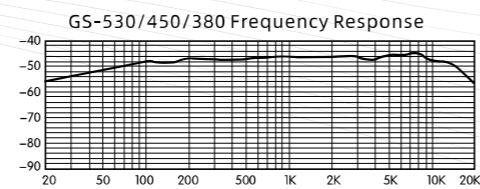


EG-115/118/121 is wide-range miniature condenser microphone, dual gooseneck microphone pole design, high quality sound pickup. Widely apply to professional recording, broadcast and conference occasions. There is mini hidden low cut switch, can set 100Hz high pass filter and flat respond.



GS-380/450/530
Gooseneck Microphone

Capsule Type: Condenser cardioid polar pattern
Frequency Response: 35-18,000 Hz
Low frequency Roll-Off: 100Hz, 18 dB / octave
Open Circuit Sensitivity: -32dB (10.0 mV) re 1V at 1Pa
Impedance: 250Ω
Maximum Input Sound Level: 130 dB, 1KHz at 1% T.H.D
Dynamic Range(Typical): 110dB, 1KHz at max. SPL
S/N Ratio: >68dB, 1KHz at 1Pa
Phantom Power Requirements: 11-52V DC
Consumption: 5mA typical
Dimensions/Weight: GS-530:190g, 530mm
 GS-450:170g, 450mm
 GS-380:150g, 380mm
Output Connector : Integral 3-pin XLRM-type
Best Distance for Sound pickup: 10cm-20cm
Color: Black



Anti-Interference

•GS Series microphone outer shell is made by pure copper, cooperating ORF shielding technology, offer excellent anti-interference capability, avoid the interference from the cell phone or other wireless devices.

Flexible Adjustment

•Easy to adjust, durable, delicate gooseneck structure, enable to quickly and randomly fix the capsule in a suitable position.

Clear Sound Quality

•GS series microphone with low cut switch avoid "popping", cooperating with super low impedance output, very clear sound quality, much better than the normal phantom conferencing microphone.

Phantom Power

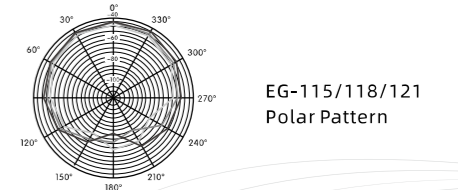
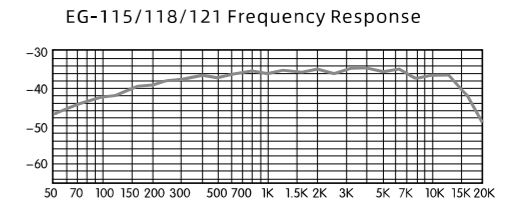
The integral power module can be powered from any external 11V to 52V DC phantom power supply.

Product Specification



EG-115/118/121
Gooseneck Microphone

Capsule Type: Condenser cardioid polar pattern
Frequency Response: 20Hz-20KHz
Low frequency Roll-Off: 50Hz, 18 dB / octave
Open Circuit Sensitivity: -44dB 1V at 1Pa
Impedance: 280Ω
Maximum Input Sound Level: 120 dB, 1KHz at 1% T.H.D
Dynamic Range(Typical): 115dB, 1KHz at max. SPL
S/N Ratio: >72dB, 1KHz at 1Pa
Phantom Power Requirements: 11-52V DC
Consumption: 4mA typical
Dimensions/Weight: EG-121:190g, 530mm
 EG-118:170g, 450mm
 EG-115:150g, 380mm
Output Connector : Integral 3-pin XLRM-type
Best Distance for Sound pickup: 10cm-20cm
Color: Black

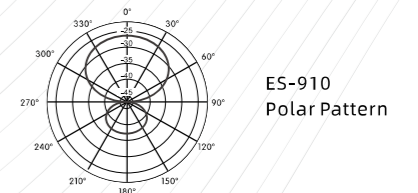
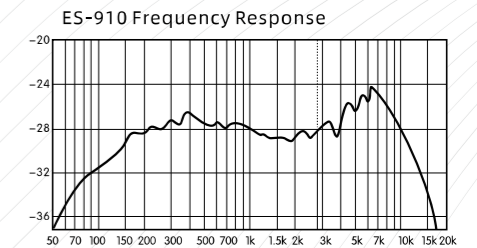


EG-115/118/121
Polar Pattern



ES-910
Gooseneck Microphone

Capsule Type: Condenser super cardioid directivity
Frequency Response: 30Hz-18KHz
Low frequency Roll-Off: 100Hz, 18 dB / octave
Open Circuit Sensitivity: -30dB (10.0 mV) re 1V at 1Pa
Output Impedance: 250Ω
Maximum Input Sound Level: 130 dB, 1KHz at 1% T.H.D
Dynamic Range(Typical): 110dB, 1KHz at max. SPL
S/N Ratio: >68dB, 1KHz at 1Pa
Phantom Power Requirements: DC 11-52V DC
Consumption: 5mA (typical)
Dimensions/Weight: 320mm/170g
Output Connector : Integral 3-pin XLRM-type
Best Distance for Sound pickup: 10cm-75cm
Color: Black



ES-910
Polar Pattern



GF-902
Gooseneck Microphone

Polar pattern: Cardioid Condenser
Frequency Response: 50Hz-20KHz
Sensitivity: -20dB+/-3dB(0dB=1V/Pa, f=1KHz)
Maximum input sound pressure level: 110dB(THD < 5%, f=1KHz)
Signal to noise ratio (A weighted): > 100dB (THD < 1%, f=1 KHz)
Distortion: < 0.1%
Power supply: 24V DC (supplied by the receiver)
Unit interface: RJ45 network port
Weight: about 825g
Dimension (mm): 170 (L) x 43 (W) x 206 (H)
Color: metallic gray

BM/WB series | BOUNDARY MICROPHONES



BM series condenser boundary microphone is designed for flush mounting into desktops or ceilings. Apply to televideo conferencing, recording or amplification of round table discussions and the microphones needs to be unobtrusive as possible. The microphones have excellent RF shielding effect, which makes the microphones absolutely insensitive to interference from wireless communication devices such as mobile phones. BM-110 provides a half-spherical polar pattern, making it ideal for large rooms. Due to its high sensitivity, even pick up the sound in far distance, output level won't appear large influence. The elastic bearing rings isolate the mechanical of the surface, thus the microphone can effectively isolate the mechanical noise. BM-111 half-cardioid polar pattern, which increases the gain-before-feedback and decreases the amount of diffuse ambience.

Key Features

BM-110/BM-111 Wired Boundary Microphone

- Anti-Interference**
 - Excellent RF shielding effect, effectively avoiding RF interference.
 - High gain-before-feedback
- Hidden Installation**
 - Apply to fix or suspended ceiling installation
 - Specially design for flush mounting into desktops or ceilings.
- Clear Sound Quality**
 - Cardioid polar pattern, high-quality speech reproduction.
 - Low-impedance balance audio output, the sound is smooth and clear.
 - Equipped with auto-gain audio processing circuit, effectively avoiding the feedback.

- Super Strong Directivity**
 - Cardioid polar pattern, increase gain-before-feedback.
 - Decrease the environment noise and feedback, guarantee the vocal clarity.
- Delicate Workmanship**
 - Heavy die-case, stable and durable alloy shell and microphone.
 - The button is equipped with elastic bearing rings, minimize the coupling of surface vibration to the surface.
- Convenient Installation**
 - Accessories: elastic bearing rings
 - Installation:
 - The installation hole(with elastic bearing ring)Ø24mm(15/16")
 - The installation hole(without elastic bearing ring)Ø20mm(13/16")
 - The maximum thickness of the desktop/ceiling 57mm(2.25)

WB-100 Wired Boundary Microphone

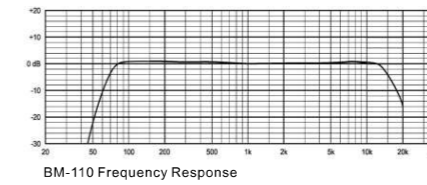
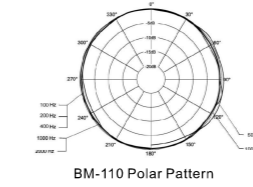
- Multi-function Switch**
 - Ultra-quiet electronic switch can control the microphone sound pickup. External LED control allows for accurate depiction of the live status.
 - Logic input and output allows the connection with other central control systems. The microphone switch can control or be controlled by external automatic central control system or other devices. The LED can be controlled by the central control or other devices.
- Delicate Workmanship**
 - Heavy die-cast case and non-slip silicon foam bottom pads minimize coupling of surface vibration to the microphone.

- Anti-Interference**
 - ORF shielding technology, offer excellent anti-interference capability, avoid the interference from the cell phone or other wireless devices.
- Four Modes For Selection**
 - Mode One: touch-on;
 - Mode Two: touch-mute;
 - Mode Three: touch-to-talk;
 - Mode Four: touch-to-mute.

Product Specification



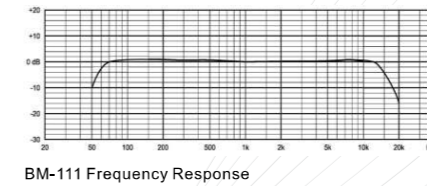
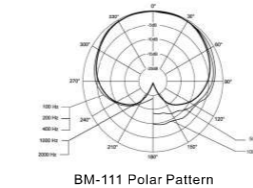
BM-110
Boundary Microphone



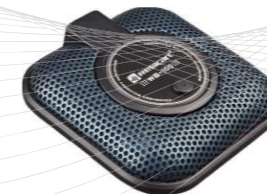
Capsule:	Back of polarization electrostatic condenser type
Polar Pattern:	Hemispherical (omnidirectional)
Frequency Response:	80-18,000 Hz
Sensitivity:	18 mV/Pa = -34.4 dBV
Output Impedance:	< 200 Ω
Max. Input Sound Level:	106 dB [SPL @ 1% THD].
S/N:	68dB, 1 kHz @ 1Pa
Noise Voltage:	6.0 μV [A]
Phantom Supply:	DC 12-52V
Current Consumption:	4mA (Typical)
Output Connector:	Built-in 3-pin XLRM
Weight:	95g (include nut and elastic bearing ring)
Dimension:	Length: 74mm Width: 20mm (steel pipe) 39.5 mm (capsule ring)



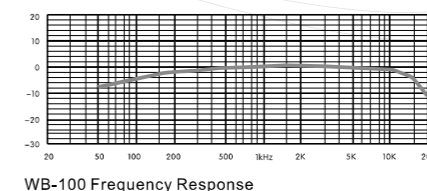
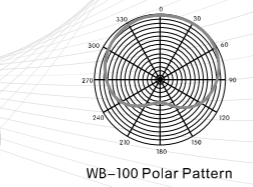
BM-111
Boundary Microphone



Capsule:	Back of polarization electrostatic condenser type
Polar Pattern:	Hemispherical (unidirectional)
Frequency Response:	80-18,000 Hz
Sensitivity:	18 mV/Pa = -34.4 dBV
Output Impedance:	< 200 Ω
Max. Input Sound Level:	106 dB [SPL @ 1% THD].
S/N:	68dB, 1 kHz @ 1Pa
Noise Voltage:	6.0 μV [A]
Phantom Supply:	DC 12-52V
Current Consumption:	4mA (Typical)
Output Connector:	Built-in 3-pin XLRM
Weight:	95g (include nut and elastic bearing ring)
Dimension:	Length: 75 mm Width: 20mm (steel pipe) 39.5 mm (capsule ring)



WB-100
Boundary Microphone



Power Requirement	24-52V DC Phantom
Consumption	8mA(Typical)
Element	Fixed-charge back plate permanently polarized condenser
Polar Pattern	Cardioid (120° above mounting surface)
Frequency Response	65Hz-18KHz
Low Frequency Roll-Off	80Hz, 18dB/octave
Sensitivity	-36dB 1Pa at 1V
S/N Ratio	>67dB
Output Impedance	200Ω
Dimension(mm)	110(W)x18(H)x110(D)
Weight	300g

BM series

OVERHEAD MICROPHONES



Product Specification

BM-112 Overhead Microphone



Capsule Type	Condenser Omni-directional
High Pass Filter	100Hz, 18dB/octave
Frequency Response	35Hz-18KHz
Sensitivity	-32dB, 1V@1Pa
Output Impedance	200Ω
Max. Input Sound Level	130dB, 1KHz@1%T.H.D.
Dynamic Range (typical)	110dB, 1KHz at highest sound level
S/N	>68dB, 1KHz@1Pa
Phantom Supply	DC12-52V
Current Consumption	8mA (BM-112 Typical)
Output Connector	3P fast connector
Dimension(mm)	90(L)×86(W) X35(H)
Weight	95g
Colour	White

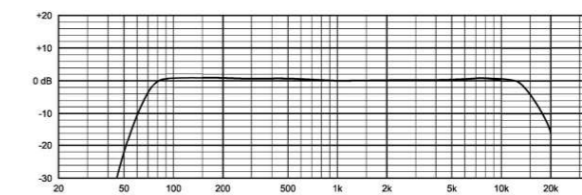
BM-112 and BM-113 is designed for ceilings mounting. It is available in two versions. BM-113 has a short flexible gooseneck and is ideal for installations with a low ceiling. Both microphones terminate in a single gang plate for easy installation into a standard electrical box. The BM-112 and BM-113 are suited for applications such as tele/video conferencing, choir miking, distance learning and wherever high quality speech or music reproduction/recording is required. Both microphones have excellent RF shielding effect, which makes the microphones absolutely insensitive to interference from wireless communication devices such as mobile phones.

BM-112 accessories: gooseneck microphone, white, for mounting into the ceiling. (embedded installation/ Depressed socket)
Size: 90mm*86mm

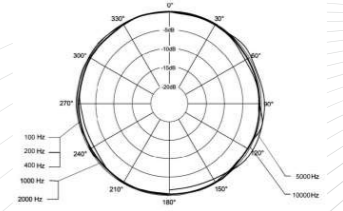
BM-113 accessories: hanging type gooseneck microphone, white, for mounting into the ceiling. (embedded installation/ Depressed socket)
Size: 90mm*86mm

This frequency response curve and polar pattern correspond to a typical production sample for this microphone.

(frequency response measurement error: ±2.5dB)



BM-112 Frequency Response 0dB=18 mV/Pa



BM-112 Polar Pattern

Key Features

BM-112 Overhead Microphones

Anti-Interference

- Excellent RF shielding effect, effectively avoiding RF interference.
- BM-112 Omni-directional polar pattern.

Clear Sound Quality

- High-quality speech reproduction.
- High gain-before-feedback.
- Flat and wide frequency response.

Convenient Installation

- Apply to fixing or suspended hanging installation.
- Standard installation or embedded installation.
- Hidden installation design.

BM-113 Overhead Microphones

Anti-Interference

- Excellent RF shielding effect, effectively avoiding RF interference.
- BM-113 Cardioid polar pattern.

Clear Sound Quality

- High-quality speech reproduction.
- High gain-before-feedback.
- Flat and wide frequency response.

Convenient Installation

- Apply to fixing or suspend hanging installation.
- Standard installation or embedded installation.
- Hidden design.
- BM-113 flexible gooseneck for optimal positioning.

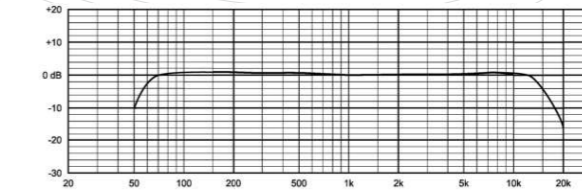
BM-113 Overhead Microphone



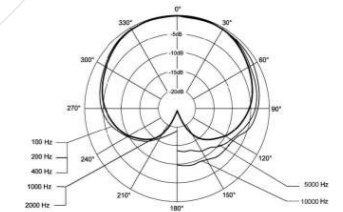
Capsule Type	Condenser cardioid unidirectional
High Pass filter	100Hz, 18dB/octave
Frequency Response	35Hz-18KHz
Sensitivity	-32dB, 1V@1Pa
Output Impedance	200Ω
Max. Input Sound Level	130dB, 1KHz@1%T.H.D.
Dynamic Range (typical)	110dB, 1KHz at highest sound level
S/N	>68dB, 1KHz@1Pa
Phantom Supply	DC24-52V
Current Consumption	20mA(BM-113 Typical)
Output Connector	3P fast connector
Dimension(mm)	90(L)×86(W)×153(H)
Weight	95g
Colour	White

This frequency response curve and polar pattern correspond to a typical production sample for this microphone.

(frequency response measurement error: ±2.5dB)



BM-113 Frequency Response 0dB=18 mV/Pa



BM-113 Polar Pattern

TS series

PROFESSIONAL MICROPHONE DESK STAND



TS and FM series Microphone Desk Stand are made by durable alloy material, equipped with anti-shock insulated rubber, effectively isolate mounted microphone from impact vibration and mechanical noise normally transmitted from the surface. Cooperating with Relacart gooseneck conferencing microphone or standard XLRM 3-PIN type equipment, ideal for speech, teaching, conference and reporting.



Product Specification



TS-800S TS-800SM
Gooseneck Microphone Desk Stand

- TS-800S/800SM anti-shock and an integral mute switch microphone stand effectively isolate mounted microphone from impact vibration and mechanical noise normally transmitted from the surface.
- It is intended for use with microphones stood on lecterns, pulpits, conference tables and similar surfaces.

Switch (TS-800S)	Muted switch(1KHz at 55dB attenuation)
Phantom Power Requirements	24-48V DC, 3 mA typical
Connector	XLRF - type XLRM - type
Dimensions(mm)	126(W)x152(D)x57(H)
Weight	952g



TS-900S TS-900SM
Gooseneck Microphone Desk Stand

- TS-900S/900SM anti-shock and an integral mute switch microphone stand effectively isolate mounted microphone from impact vibration and mechanical noise normally transmitted from the surface.
- It is intended for use with microphones stood on lecterns, pulpits, conference tables and similar surfaces.

Phantom Power Requirements	24-48V DC, 3 mA typical
Connector	XLRF - type XLRM - type
Dimensions(mm)	126(W)x152(D)x57(H)
Weight	952g

Key Features



TS-700
Gooseneck Microphone Desk Stand

- TS-700 is made by durable alloy, without mute switch

Mute Switch:	Without
Connector:	XLRF(gooseneck microphone) XLRM(output)
Weight(g):	700
Dimension(mm):	115(W)x43(H)x140(D)
Colour:	Black/Silver



TS-700S
Gooseneck Microphone Desk Stand

- TS-700S is made by durable alloy, with mute switch

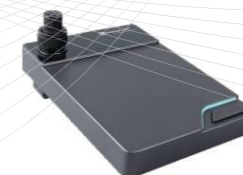
Mute Switch:	Yes
Connector:	XLRF(gooseneck microphone) XLRM(output)
Weight(g):	700
Dimension(mm):	115(W)x43(H)x140(D)
Colour:	Black/Silver



TS-N1
Professional Wired Conference Microphone Base

- The TS-N1/TS-F1 is equipped with a blue/green LED indicator. The user can use the microphone to mute or speak operation, where the toggle between talk and mute can be programmed to toggle between live and mute audio (Latch switch on/off). Either preset to mute and only speak when pressed (press to talk), or preset to speak and only mute when pressed (press to mute). Low-impedance balanced audio output, the audio signal is output through the + and - pins of the XLR male header, and the G pin is connected to the ground (shield), and the output phase will be set on the + pin with a positive phase level.

Frequency response:	50HZ~20KHZ
Impedance:	250Ω
Dynamic range (typical):	100dB, 1KHz at maximum sound pressure
Signal-to-noise ratio:	110dB, 1KHz at 1% T.H.D.
Switch:	On/Mute
Power supply:	DC24-52V phantom power supply
Output connector:	built-in 3-pin quick connector male socket
Weight: 700-720 g	700-720 g
TS-N1: Input socket:	three-pin XLR male socket
TS-F1: Input socket:	three-pin XLR female socket



TS-F1
Professional Wired Conference Microphone Base

FM series

FLUSH-MOUNT MICROPHONE SOCKET



Product Specification

- FM-100G Adopt firm and durable alloy material.
- Intended for use with gooseneck microphones mounted on lecterns, pulpits, conference tables and similar surfaces.
- Effectively isolates microphone from noise, shock and vibration transmitted through the mounting surface.
- Eliminates pickup of low-frequency resonances caused by mechanical coupling.

Connector:	XLRF XLR male seat (gooseneck microphone) XLRM XLR female (output)
Dimensions(mm):	46Φx80(L)
Weight:	250g



FM-100G
Microphone Shock Mount

Key Features

Practical Function

- Flush-mounted microphone socket, suitable for use with gooseneck microphones with 3-pin XLR male output.
- For unobtrusive installation on desktop.
- Connect the microphone with 3-pin XLR female, 3-pin XLR male output (XLRM)
- Equipped with anti-vibration rubber and metal fixing ring (used with gooseneck microphone) to reduce vibration noise on the installation surface.
- The working range of socket power supply is DC 20-52V.

Microphone switch

- Design touch switch, can control microphone radio and mute.

LED ring indicator light

- The working range of socket power supply is DC 20-52V.

Application:

- The socket needs DC 20V to 52V phantom power supply to work, and the electronic circuit in the socket needs 30 seconds to work stably after being powered on.
- Each socket is equipped with an anti-vibration rubber ring and a set of metal retaining rings (for use with gooseneck microphones) to reduce vibration noise on the mounting surface. The housing is a metal structure.

FM-200 is a recessed, conference microphone socket designed for desktop installation. It has a touch switch control and is also equipped with a ring-shaped LED status indicator, which displays green when the microphone is in the radio state and red when it is muted. The input end is a 3-pin XLR female socket, and the output end is a 3-pin XLR male header.

Frequency response:	50~20,000HZ
Mute attenuation:	<50dB at 1kHz/Pa
LED indicator:	radio status is green / mute status is red
Phantom power supply:	DC 20-52V, power consumption 4.5mA typical
Switch:	touch mode, mute state by default when power on
Weight:	310g
Dimensions:	59.2x59x156.5mm
Input interface:	3-pin XLR female
Output interface:	3-pin XLR male
Random accessories:	anti-vibration rubber*1, metal fixing ring*1



FM-200
Flush-mount Microphone Socket

The FM-300 is an embedded conference microphone base designed for desktop installation. It has a touch switch for external device control, and is also equipped with a ring-shaped LED status indicator, which can be externally controlled to display green and red status. The input port is a 3-pin XLR female socket, and the output end is a 5-pin XLR male socket.

Frequency response:	50~20,000HZ
Switch logic control:	high potential (DC +5V) when pressed; low potential (DC 0V) when not pressed
LED indicator:	red: high level (DC +5V) Green: Low level (DC 0V)
Phantom power supply:	DC 20-52V, power consumption 4.5mA typical
Switch:	touch mode, mute state by default when power on
Weight:	310g
Dimensions:	59.2x59x156.5mm
Input interface:	3-pin XLR female
Output interface:	5-pin XLR male
Random accessories:	anti-vibration rubber*1, metal fixing ring*1



FM-300
Flush-mount Microphone Socket

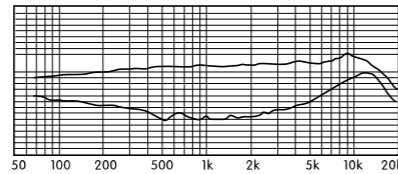
HEADWORN AND LAVALIER MICROPHONES

HEADWORN MICROPHONE

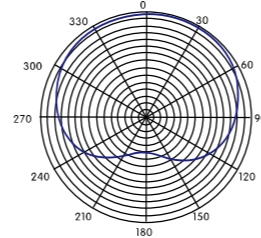


HM-500B
Headset Microphone

HM-500B Frequency Response:



Element: Back Electret Condenser
Polar Pattern: Unidirectional
Frequency Response: 70-15,000 Hz
Sensitivity: -48dB (1V=1 Pa)
Output Impedance: 1800 Ω
Power Supply: 2-10V DC
Connection: 1.2 m
Connector: Mini XLR-4P

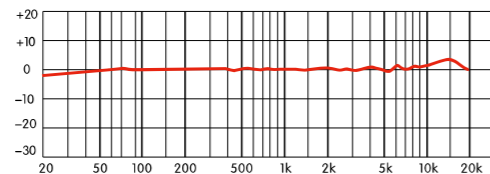


HM-500B Polar Pattern:

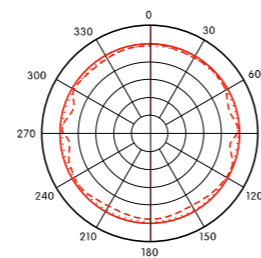


HM-600(S/B)
Headset Microphone

HM-600B Frequency Response:



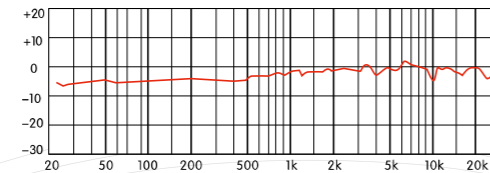
Element: Back Electret Condenser
Polar Pattern: Omnidirectional
Frequency Response: 50-18,000 Hz
Sensitivity: -47dB (1V=1 Pa)
Output Impedance: 1800 Ω
Power Supply: 2-10V DC
Connection: 1.2 m
Connector: Mini XLR-4P



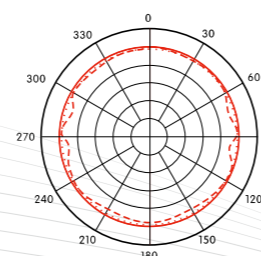
HM-600B Polar Pattern:

LM-C300
Omnidirectional

LM-300 Frequency Response:



Element: Back Electret Condenser
Polar Pattern: Omnidirectional
Frequency Response: 50-18,000 Hz
Sensitivity: -47dB (1V=1 Pa)
Output Impedance: 1800 Ω
Power Supply: 2-10V DC
Connection: 1.2 m
Connector: Mini XLR-4P

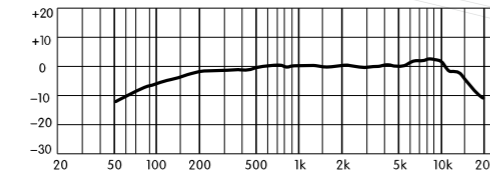


LM-300 Polar Pattern:

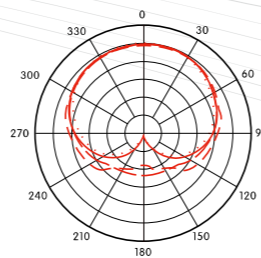
LM-C420
Unidirectional



LM-C420 Frequency Response:



Element: Back Electret Condenser
Polar Pattern: Cardioid directionality
Frequency Response: 60-12,000 Hz
Sensitivity: -42dB (1V=1 Pa)
Output Impedance: 1800 Ω
Power Supply: 2-10V DC
Connection: 1.2 m
Connector: Mini XLR-4P



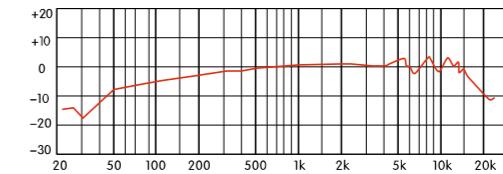
LM-C420 Polar Pattern:

LAVALIER MICROPHONES

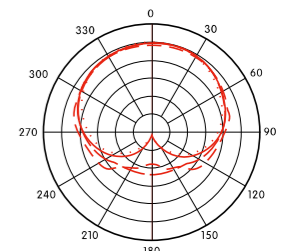


LM-C460
Unidirectional

LM-C460 Frequency Response:



Element: Back Electret Condenser
Polar Pattern: Unidirectional
Frequency Response: 60-12,000 Hz
Sensitivity: -37dB (1V=1 Pa)
Output Impedance: 1800 Ω
Power Supply: 2-10V DC
Connection: 1.2 m
Connector: Mini XLR-4P

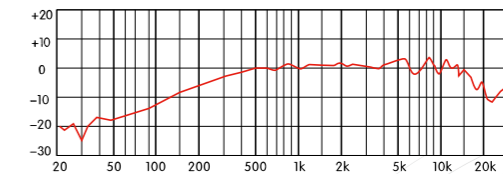


LM-C460 Polar Pattern:

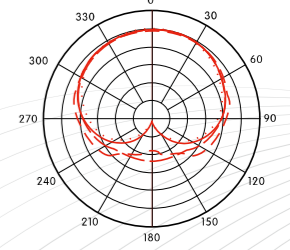


LM-C480
Unidirectional

LM-C480 Frequency Response:



Element: Back Electret Condenser
Polar Pattern: Cardioid directivity
Frequency Response: 60-12,000 Hz
Sensitivity: -37dB (1V=1 Pa)
Output Impedance: 1800 Ω
Power Supply: 2-10V DC
Connection: 1.2 m
Connector: Mini XLR-4P

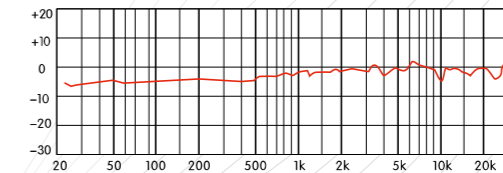


LM-C480 Polar Pattern:

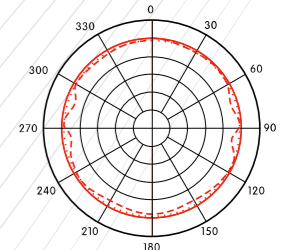


LM-C550
Omnidirectional

LM-C550 Frequency Response:



Element: Back Electret Condenser
Polar Pattern: Omnidirectional
Frequency Response: 60-12,000 Hz
Sensitivity: -41dB (1V=1 Pa)
Output Impedance: 1800 Ω
Power Supply: 2-10V DC
Connection: 1.2 m
Connector: Mini XLR-4P

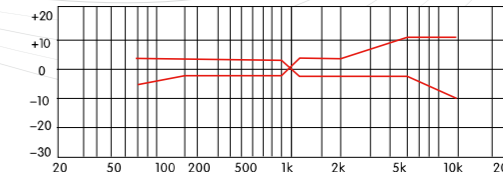


LM-C550 Polar Pattern:

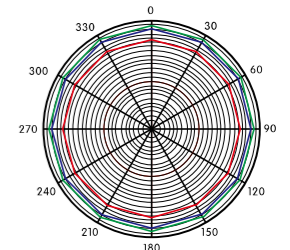


LM-C620
Omnidirectional

LM-C500 Frequency Response:



Element: Back Electret Condenser
Polar Pattern: Omnidirectional
Frequency Response: 20Hz-18KHz
Sensitivity: -40.5dB±2dB
Output Impedance: ≤2.2K Ω
Power Supply: 2-10V DC
Connection: 1 m
Connector: Mini XLR-4P
Signal to noise ratio: ≥59dB
Microphone size: φ 4.0 X 1.5mm



LM-C620 Polar Pattern:

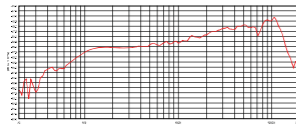
ACCESSORIES

Product Specification

Simple and fast, let you have different sound quality

In order to meet the needs of our customers for performance products, each series of performance wireless microphones can have multiple replaceable microphone modules. Each module has different professional timbres and can be matched with different speakers to present sound effects. The microphone module can be replaced quickly, which is convenient for customers to replace microphones with all kinds of sound quality, and makes the maintenance of products easier and faster.

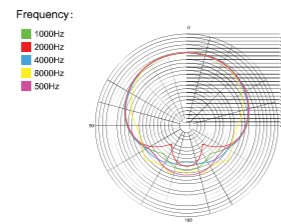
Frequency Response



M-D22
Dynamic microphone module

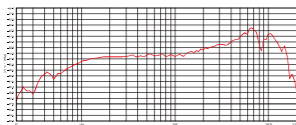


Polar Pattern



Connectivity:	relacart UR series wireless microphone body Shure® wireless microphone body
Type:	dynamic
Directivity:	Super cardioid
Frequency Response:	120-16000Hz
Flexibility	-53dB re 1V/Pa
Max SPL:	145dB@1%
Dimension:	53mmX79mm
Weight:	85g

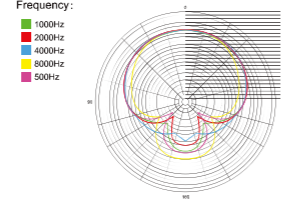
Frequency Response



M-D26
Dynamic microphone module

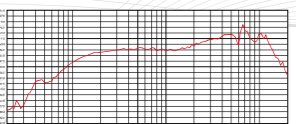


Polar Pattern



Connectivity:	relacart UR series wireless microphone body Shure® wireless microphone body
Type:	dynamic
Directivity:	Super cardioid
Frequency Response:	100-18000Hz
Flexibility	-56dB re 1V/Pa
Max SPL:	125dB@1%
Dimension:	53mmX79mm
Weight:	105g

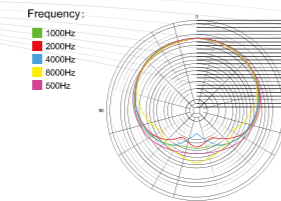
Frequency Response



M-D27
Dynamic microphone module



Polar Pattern

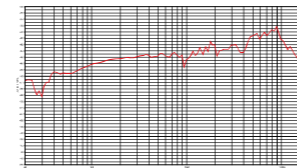


Connectivity:	relacart UR series wireless microphone body Shure® wireless microphone body
Type:	dynamic
Directivity:	cardioid
Frequency Response:	120-16000Hz
Flexibility	-53dB re 1V/Pa
Max SPL:	145dB@1%
Dimension:	53mmX79mm
Weight:	95g

ACCESSORIES

Product Specification

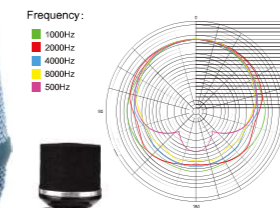
Frequency Response



M-D30
Dynamic microphone module

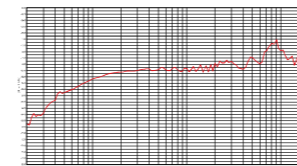


Polar Pattern



Connectivity:	relacart HR series wireless microphone body
Type:	dynamic
Directivity:	cardioid
Frequency Response:	100-18000Hz
Flexibility	-47dB re 1V/Pa
Max SPL:	145dB@1%
Dimension:	53mmX79mm
Weight:	115g

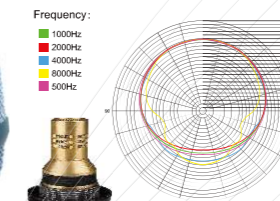
Frequency Response



M-C31
Condenser microphone module

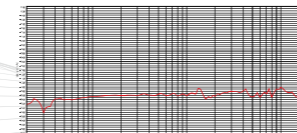


Polar Pattern

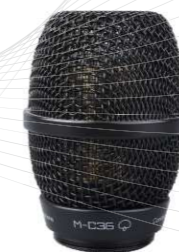


Connectivity:	relacart HR series wireless microphone body
Type:	Condenser
Directivity:	cardioid
Frequency Response:	100-18000Hz
Flexibility	-49dB re 1V/Pa
Max SPL:	140dB@1%
Dimension:	53mmX79mm
Weight:	155g

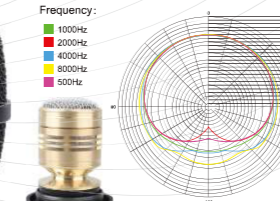
Frequency Response



M-C36
Condenser microphone module



Polar Pattern



Connectivity:	relacart UR series wireless microphone body Shure® wireless microphone body
Type:	Condenser
Directivity:	cardioid
Frequency Response:	100-18000Hz
Flexibility	-52dB re 1V/Pa
Max SPL:	145dB@1%
Dimension:	51mmX74mm
Weight:	145g

ACCESSORIES

Product Specification



Charging voltage and current:	5V/800mA
Maximum power consumption:	11A/65W
Number of rechargeable batteries:	12
Charging display:	4-segment digital light
Power supply:	100-240VAC, 50/60Hz.
Size(mm) :	488(W) X133(H) x 190 (D)
Weight:	3200g

RC-12Li

Charging Station Product details

RC-12Li is a charging box made of iron plate metal. It is durable, exquisite and beautiful. It can charge 12 pieces of 545575 lithium-ion polymer batteries at the same time. The 4-segment digital light shows the charging status. It has detection and protection circuits such as overvoltage, overcurrent, overcharge, and high temperature to escort battery charging.

Key Features

- It can charge 12 pieces 545575 lithium-ion polymer batteries at the same time, the maximum charging current is 800mA, and the 545575 battery can be fully charged in 5 hours.
- The 4-segment digital light shows the charging status, the digital light flashes rollingly when charging, and the 4-segment digital light is always on when fully charged.
- Adopt separate charging scheme, each battery has a separate charging management circuit
- Built-in self-recovery fuse, when the current of the charging circuit is too large, the self-recovery fuse will be disconnected to protect the circuit and the battery from damage. When the current of the circuit is normal, the self-recovery fuse returns to normal, and the charging circuit can work and charge normally.

ACCESSORIES

Product Specification



Charging box Specification

Charging voltage and current:	5V/800mA
Maximum power consumption:	11A/65W
Number of rechargeable batteries:	24
Charging display:	4-segment digital light
Power supply:	100-240VAC, 50/60Hz.
Measurement(mm) :	540(W) X400(D) x 146 (H)
Weight:	7.5kg

Battery Specification

Name:	Li-ion Polymer Battery
Model:	545575
Rated Capacity	2900mAh/10.73Wh
Rated Voltage	3.7V
Limited Charge Voltage	4.2V
Measurement(mm) :	85(W) X70(D) x 9.5 (H)
Weight:	70g

RC-24Li

Charging Station Product details

RC-24 is a charging box made of iron plate metal. It is sturdy, durable and exquisite. It can charge 24 pcs of 545575 lithium-ion polymer batteries at the same time. The 4-segment digital light shows the charging status. It has overvoltage, overcurrent and overvoltage. It has over-voltageover-current,overcharge,high-temperature detection and protection circuit to protect battery charging.

Key Features

- It can charge 24 545575 lithium ion polymer batteries at the same time the maximum charging current is 800mAand the completely discharged545575 battery can be fully charged within 5 hours.
- The 4-segment digital light shows the charging status the digital light scrolls and flashes while charging, and the 4-segment digital light is on when it is fully charged.
- Adopt a separate charging scheme each battery has a separate charging management circuit, and a problem with one charging circuit will not affect the other charging batteries.
- Built-in self-recovery fuse, when the current of the charging circuit is too large, the self-recovery fuse will be disconnected to protect the circuit and battery from damage. When the current of the circuit is normal the self-recovery fuse returns to normal and the charging circuit can be charged in normal operation.
- It has detection and protection circuits for overvoltage, overcurrent overcharge, and high temperature to protect the battery from being charged safely. The charging box can be placed on the desktop or installed in the cabinet to facilitate installation and management.

ACCESSORIES

Product Specification



- RC-40N is for 40pcs AA batteries (battery for wireless microphone systems).
- Separate charging status indicator for each battery, flashing means being charging.
- Charging is completed within 5 hours and the charging status indicator lights red.
- Stop charging if batteries are not fully charged within 5 hours.
- Switching the charger's power OFF and back ON again with fully-charged (charging completed) batteries inserted will result in repeated recharge of the batteries. Battery life could deteriorate from this repetitive charging.
- Using Voltage: 100~240V.

RC-40N Charging Case

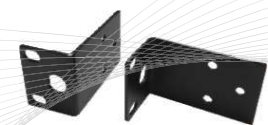


- High capacity, low internal resistance, low self-discharge, one hour rapid charging and long cycle

Type	Ni-NH battery
Cell Size	AA
Dimensions	13.9x49.5±0.5(mm)
Nominal Voltage	1.2(V)
Nominal Volume	1000-2300(mah)
Product certificate	RoHS, CE, MSDS report

Charging Battery

Rack Mount Kits



R-M1
Fits a single ½ EIA standard 1U receiver side-by-side, metal material.



R-M2
Fits dual ½ EIA standard 1U receivers side-by-side, metal material.



R-M3
Fits a single dual 2U centra controller, metal material.



R-M7
Magnetic BNC interface antenna bracket



R-M9
Fits dual ½ EIA standard 1U receivers side-by-side, metal material.



R-M10
Amplifier mounting bracket



R-M11
Multi-purpose mounting bracket



R-M12
Wall mounting bracket

ACCESSORIES

Product Specification



SI-2 Dual Channel Signal Isolator

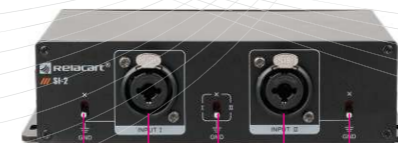
DC impedance:	127Ω at the input and 127Ω (1:1) at the output
AC impedance:	600Ω at the input and 600Ω at the output (1:1)
Frequency response:	20Hz-20KHz
Dynamic range:	>110dB@1KHz
Distortion:	<0.03% @1KHz at +4dBu,
Loss attenuation:	-0.7 dB@1KHz
Maximum input level:	+4 dBu@20Hz at 1% >+30 dBu@1KHz at <0.15% THD
Isolation voltage:	0-1250V
Input interface:	XLR Female X2
Output interface:	XLR Male X2 6.35mm jackX2
Switch:	A channel grounding switch B channel grounding switch, A+B shielded case grounding switch
Dimensions (mm):	166 (W) x 43.8 (H) x 83 (D)
Weight:	0.5KG

SI-2 dual-channel professional passive audio isolator, aluminum alloy casting, exquisite and durable, EIA Standard 1U height, with rack mount kit can be installed in the flightcase, easy to use. Two-channel 6.35 and XLR input and output, can be converted and distributed to each other, each channel has a common ground and a non-common ground, and signal is not distorted, and eliminates external interference (a-c hum, high-frequency oscillation) and noise.

Audio signal isolators are widely used in broadcasting and television media transmission systems, audio and video system engineering, live audio sound reinforcement, audio signal through audio signal isolator, balanced and unbalanced can be converted to each other, can completely isolate the potential difference between the two systems, to avoid the audible interference caused by the grounding problem prevents the excessive potential difference from damaging the input stage of the device. Realize the safe transmission of audio signals, eliminate the noise generated by the connection of cameras and audio equipment, eliminate the noise generated by the simultaneous interpretation equipment and the mixer, eliminate the noise generated by the laptop connected to the mixer, eliminate the noise generated by the electronic instrument connected to the mixer and eliminate the noise generated by equipment and equipment over long distances; eliminate noise generated by equipment and equipment noise mismatch. Eliminate the sound of the site caused by electricity, wiring, lighting interference, etc.

Key Features

- Metal case, EIA Standard 1U height, small size, easy to use.
- High-strength interference rejection, CMRR >90dB.
- Supports plug and play, supports hot plugging, no power supply, no software setup and maintenance.



interface function :

- ① A channel XLR female and 6.35mm jack dual-use balanced and unbalanced input.
 - ② B channel XLR female and 6.35mm jack dual-use balanced and unbalanced input.
 - ③ The A channel switches.
 - ④ The B channel switches.
 - ⑤ A+B channel shielded case grounding switch.
- ① B channel XLR male output
② B channel 6.35mm jack balanced and unbalanced output
③ A channel XLR male output
④ A channel 6.35mm jack balanced and unbalanced output

ACCESSORIES

Product Specification



MiH Handheld Adapter

- Relacart MiH is a handheld adapter that can convert Mi seriestransmitters into small handheld interview microphones. With a high-density furry windshields to minimise wind noise and plosives in all recording scenarios effectively.

Handheld adapter Dimensions (mm):	<ul style="list-style-type: none"> • Diameter: 21.5 • Width: 40 • Height: 210 • Weight (g): 500
Compatible Relacart Mi series Microphones	
Windshield Dimensions (mm):	<ul style="list-style-type: none"> • Diameter: 64.5 • Height: 71.5 • Weight (g): 6



MI Microphone Windshield

- Mi windshield is a design of artificial fur, specially used in outdoor and strong wind conditions, reducing wind and blasting noise effectively.



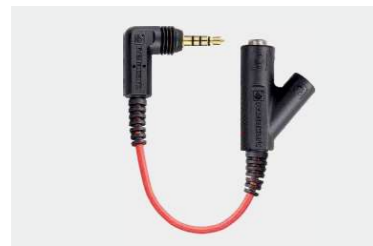
MI microphone Windshield

- Mi windshield is a design of artificial fur, specially used in outdoor and strong wind conditions, reducing wind and blasting noise effectively.



MI Storage Bag

- It is suitable for Mi series products, with comprehensive protection and excellent portability.



ME4-J (TRRS to 3.5mm jack)

- ME4-J is a TRRS to 3.5mm splitter headphone output and microphone input conversion cable, which is specially designed by Relacart for mobile phone karaoke applications, and supports mobile phone and tablet karaoke.
- Support for Android and other system mobile phones and new generation computers 2 in 1 four-level input socket



ME4-C (TYPE-C to 3.5mm jack)

- ME4-C is a TYPE-C to 3.5mm splitter connector headphone output and microphone input conversion cable, which is specially designed by Relacart for mobile phone karaoke applications, and supports mobile phone and tablet karaoke.
- Support for Android and other system mobile phones and new generation computers 2 in 1 four-level input socket



ME4-L (Lightning to 3.5 jack)

- ME4-L is a Lightning/ Lightning to 3.5mm splitter connector headphone output and microphone input conversion cable. It is specially designed by Relacart for mobile phone karaoke applications. Supports mobile phone and tablet karaoke. Effectively solve the phenomenon that the condenser microphones on the market cannot be incompatible with the IPHONE/IPAD
- Support IOS system, Android system does not support temporarily, has nothing to do with the conversion line.

ACCESSORIES

Product Specification



Unbalanced audio cable

- XLR (female) to 6.3mm double-core shielded cable, mainly used for mono transmission.



Unbalanced audio cable

- Generally, the pins in the microphone, the mono and dual channels in the audio, use this 6.35mm audio pin to achieve the sound quality transmission effect. So that our sound quality can be played more smoothly, and it sounds more comfortable.



Balanced audio cable

- Suitable for connecting between professional microphones and professional equipment, such as mixing consoles, sound cards, power amplifiers, equalizers, compressors, crossovers, digital decoders, professional microphones connected to cameras, and other equipment. Broadcast-grade professional XLR male-to-female Balanced microphone cable, XLR microphone cable, special fine copper wire twisted, durability is particularly good. It is suitable for stage sound, press conference, KTV, professional sound reinforcement, home theater and other environments. sounds more comfortable.



TRS to XLR (female)

- Connect one end of the XLR three pin XLR female to the output jack at the end of the microphone, and connect one end of the 3.5mm plug to the device (SLR) 3.5mm jack.



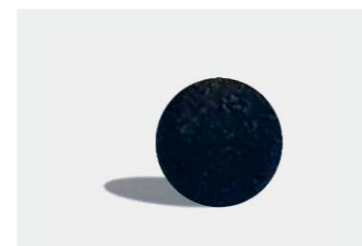
3.5mm balanced connecting wire

- This is a 3.5mm TRS (black) to TRS (black) cable with thread lock, which is used to connect wireless microphone to digital SLR camera or mobile device.



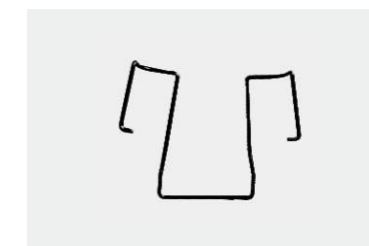
Hot shoe adapter

- Applicable to CR1 CR2 series Bodypack receiver



Microphone Sponge Windshield

- The sponge windshield provides additional protection from wind noise or popping sound to the microphone. sounds more comfortable.



Bodypack Transmitter Belt Clip

- Fix the transmitter or receiver around the waist of the user.



Charging Battery

- High capacity, low internal resistance, low self-discharge, one hour rapid charging and long cycle

ACCESSORIES

Product Specification



P-48V1S Single-channel
48V Phantom Power Supply

- Phantom power supply, providing standard 48V phantom power supply.

Input Voltage	24V AC
Input Impedance	10,000 ohms
Output Voltage:	250 ohms
Max.Input Level	+15dBV(1% T.H.D. at 1kHz)
Max.Attenuation	33dB at 1kHz
Weight:	372g



EXP-112 Conference System
Expansion Power Supply

- It is used to compensate the voltage attenuation caused by too long cable of the conference system, and is suitable for the conference system with 12V power supply.

Input Voltage:	AC220V, 50Hz
Output Voltage:	12V
Max.Output Power	45W
Input Expansion Connector:	9P-Pin aviation XLRM X1
Output Expansion Connector	9P-Pin aviation XLRM X1
Weight:	686g



EXP-124 Conference System
Expansion Power Supply

- It is used to compensate the voltage attenuation caused by too long cable of the conference system, and is suitable for the conference system with 24V power supply.

Input Voltage:	AC220V, 50Hz
Output Voltage:	24V
Max.Output Power	72W
Input Expansion Connector:	9P-Pin aviation XLRM X1
Output Expansion Connector	9P-Pin aviation XLRM X1
Weight:	686g



RC-D848TV Camera

- Product overview: Standard definition video conference camera RC-D848 is a communication color integrated camera mainly developed by our company for the video conference industry. Using Sony's 18x optical zoom lens and built-in high-speed omni-directional head, users can clearly observe small or distant targets. The video conference camera adopts integrated design, beautiful appearance, unique shape, compact structure, stable operation, no noise, accurate positioning, high reliability, long-term stable operation, convenient use and no maintenance. With RS-232 multi-protocol communication, desktop or ceiling installation, the camera can be used for a variety of purposes such as video conferencing or remote TV monitoring.



RC-HD61C1TV Camera

- 4 million pixels, 1 / 2.5 inch Exmor CMOS sensor
- Full HD HD multi-format output (DVI-I / HDMI / 3G-SDI)20x zoom
- Wide-range fast pan / tilt head, precise positioning at 355 degrees horizontally
- Multifunctional infrared remote control, all functions of the camera can be completed by remote control
- Support RS-232C and RS-422 / 485 control
- Compatible with SONY VISCA protocol and PELCO P / D protocol
- Image flip support (for desktop and ceiling installation)
- Support self-upgrade program through RS-232C serial port

ACCESSORIES

Product Specification



P-24V01 Adaptor

- AC 24V power supply, power supply for p-48v1s.

Input Voltage	220V AC
Output Voltage:	24VAC
Current	100mA
Weight:	276g



P-12v10 DC 12V external
power supply

- DC 12V power supply, providing very low ripple voltage and maximum 1A current for power equipment.

Input Voltage	220V
Output Voltage:	500mA/1000mA
Certificates	RoHs, CE,FCC
Weight:	384g



MC-Pins Connecting Cable
for conference system

- BNC female to BNC male RF coaxial cable with 50 ohm impedance for 1 GHz frequency range.

RF Coaxial Cable with Connectors

Max.Working Frequency	8G MHz
-----------------------	--------

Length available

MC-10RM	10M
MC-20RM	20M
MC-30RM	30M
MC-40RM	40M



MC9-Pins Connecting Cable
for conference system

- 9 pin cable for CS100/101/301/300 conference system main controller and microphone connection

Length available

MC9-15-1	1.5M×1M
MC9-15-10	1.5M×10M
MC9-15-20	1.5M×20M
MC9-15-30	1.5M×30M
MC9-15-40	1.5M×40M

ANTENNA FOR WIRELESS CONFERENCE SYSTEM

Product Specification



R-2.4C

Ceiling Antenna for Wireless Conference Systems

- High gain, low VSWR.
- Stable functions, reliable and flexible performance, easy to install.
- Can be fixed on the ceiling or by triangle bracket.
- There is a coaxial cable between antenna and the central controller, the coaxial cable is preferably less than 15m.

Frequency Range	2400-2500MHz
VSWR	≤1.5
Input Impedance	50Ω
Gain	6dBi
Polarization	Vertical
Polar Pattern	≥25dB
Horizontal Flap Width	120°
Vertical Flap Width	55°
Max. Power	50
Frequency Range	100MHz
Connector	BNC
Dimensions (mm)	100
Weight	154g

Product Specification



R-20A

Antenna Booster

- R-20A provides increased gain for receiving antennas, maintains an effective and reliable signals and reduces chance for signal dropouts under difficult RF conditions.
- Compact and lightweight, R-20A is integrated into a small package and can be concatenated in the middle of the connecting cable.

Frequency Range	450-950MHz
Gain	5dB 15dB
Connector	BNC female
VSWR	Input/output ≤ 3:1
Power Supply	DC8V, 80VmA
Working Temperature	-50°C to +60°C
Dimensions(mm)	87(W)x 65(D)x 20(H)
Weight	85g
Outer Casing	Black anodized aluminum
Connecting Cable Standard	50Ω low-loss coaxial cable.



R-20W

2.4G Panel Antenna for Wireless Conference Systems

- High gain, low VSWR.
- Stable functions, reliable and flexible performance, easy to install.
- Can be fixed on the ceiling or by triangle bracket.
- There is a coaxial cable between antenna and the central controller, the coaxial cable is preferably less than 15m.

Frequency Range	2400-2500MHz
VSWR	≤1.5
Input Impedance	50Ω
Gain	15dBi
Polarization	Vertical
Polar Pattern	≥25dB
Horizontal Flap Width	120°
Vertical Flap Width	55°
Max. Power	150W
Frequency Range	100MHz
Connector	BNC
Dimensions (mm)	210(H)x180(W)x44(D)
Weight	300g



R-20P

Power Supplier for Antenna

- R-20P is a device that supplies power to antennas or antenna amplifiers, providing DC8V, 80mA output, allowing external antenna systems to work independently. The aluminum housing is designed with a rugged, lightweight construction and excellent heat dissipation, making the internal circuitry durable and continuously providing the output voltage, which is a best choice for the antenna receiving system.

Connect	BNC
Power requirement	Power Adapter with 12V/1A
Power supply	DC8V, 300mA
Working temperature	-25°~50°C
Dimension	87(W) x 65(D) x 20(H)
Weight	about 90g
Material	Black electroplate aluminum

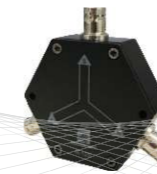


R-20U

UHF Wide-band Directional Antenna

- Light weight, durable construction, ABS cover for UV degradation.
- Fixing installation (equipped with direction bracket) or install on triangle bracket
- There is a coaxial cable between antenna and the central controller, the coaxial cable is preferably less than 15m.

Frequency Range	600-800MHz
VSWR	≤2.0
Impedance	50 Ω
Gain	7dBi(Typical)
Polarization	Vertical
Polar Pattern	≥ 25dB
Horizontal Flap Width	80 °
Vertical Flap Width	60 °
Max. Power	50W
Frequency Range	200MHz
Connector	BNC
Dimensions	210(H) x 180(W) x 44(D)
Weight	300g



R-12S

Antenna Divider

- R-12S can separate 1 RF signal to 2 RF signals output or combine 2 RF signals to 1 RF signal output. Also it is a RF signal amplifier can transfer the offset voltage to front, is a ideal antenna system accessory.

Frequency Range	400 MHz -1000MHz
Attenuation	-3.5dB, ±1dB
Insulate	>-20dB
Impedance	50 ohm
Voltage/Current	50V DC/1.50A
Connector	BNC
Size(mm)	65(W)x50(L)x20(H)
Weight about	35g

MIXX 16 | DIGITAL MIXER



MIXX16 Digital Mixer is a 16 inputs and 8 output digital wireless control mixer, is a new mixer through the tablet computer application control, can support all iOS, Windows 8 tablet and Android tablet. Using Wi-Fi to connect, anywhere in the wireless network within the scope of control. With 16 channels of broadcasting quality microphone amplifier (including 4 modular jack), main and aux outs. Adopt high performance 40 bit floating-point digital signal processor, 24 bit AD/DA converter. Built-in effects processor, compression and limiter, gate plug-ins, parametric equalizer. Wireless control mode makes you can walk between the stage and the crowd. It is 16-channel digital mixer that with the iPad and tablet computer touch.

Product Specification



MIXX 16
Digital Mixer

Sample Rate:	24bit, 48kHz
Frequency Response:	20 Hz to 20 kHz +0/-1 dB
System Delay:	1.5 ms
T.H.D.:	<0.005%
Noise-Mic input to main output	-72dBV Single channel-Max fader(A weighted) -90dBV Single channel-Min fader(A weighted)
Input crosstalk (adjacent channel)	<-120 dB @ 1 kHz
S/N	93 dB Single channel-Max fader(A weighted)
Dynamic Range	110 dB Single channel-Min fader(A weighted)
CMR	>70 dB @ 1 kHz
Input Impedance	3.3kΩ(XLR Balance) 30 kΩ(1/4")
Gain	0 to 60 dB (XLR) -20 to 40 dB (1/4")
Output Impedance	600Ω(XLR Balance)
Max Output Level	+21 dBu(XLR Balance)
Power Supply	DC 12V-15V (3.5A)
Dimension(mm)	359(W) x 85.5(H) x 411(D)
Weight (kg)	Approximately 4.2 kg

Key Features

Practical Function

- Intuitive touch control, covering almost all the major mixing functions.
- The mixer interface can be adjusted for each channel control, including solo, mute, audio-visual, fader, you can see the full level meter.
- Tons of built-in processing. Choice of powerful, touch-sensitive plug-ins, 4-band EQ, gate and compression on inputs, 31-band GEQ and com/limiter on outputs, global reverb and delay.

Flexible Configuration

- Each channel can edit their own names and icons for easy identification, the icon can be imported from a picture library.
- Power and 48V phantom power switches and LEDs round out the mixer.
- Seamless wired to wireless mixing, turn the room from anywhere, get on stage to ring out monitors, personal monitor mixing with access control ability.

Clear Sound Quality

- Ultra low-noise, high-headroom design.

Software Interface Instructions

- ① Channels
- ② AUX
- ③ Phantom Power
- ④ Effect
- ⑤ Channel Name
- ⑥ Compression and Gate
- ⑦ Matrix
- ⑧ Master output

INPUT EQ

- ① EQ Setting
- ② EQ Adjustable
- ③ HPF and LPF adjustable



MIXX 12 | DIGITAL MIXER WITH DANTE INTERFACE



Dante™
SPOKEN HERE

MIXX12 Digital Mixer is a 12 inputs and 6 outputs digital wireless control mixer, is a new mixer through the tablet computer application control, can support all iOS, Windows 8 tablet and Android tablet. Using Wi-Fi to connect, anywhere in the wireless network within the scope of control. With 12inputs/12 channels of broadcast quality microphone amplifier,6 outputs (two main and 4 aux outs). Adopt high performance 40 bit floating-point digital signal processor,24 bit AD/DA converter. Built-in effects processor, compression and limiter, gate plug-ins,parametric equalizer. Wireless control mode makes you can walk between the stage and the crowd. It is 12-channel digital mixer that with the iPad and tablet computer touch. Equip with DANTE card.

Product Specification



MIXX 12
Digital Mixer

Sample Rate	24bit, 48kHz
Frequency Respond:	20 Hz to 20 kHz +0/-1 dB
Latency	1.5 ms
T.H.D.	<0.005%
Noise-Mic input to main output	-72dBv Single channel-Max fader(A weighted) -90dBv Single channel-Min fader(A weighted)
Input crosstalk (adjacent channel)	<-120 dB @1 kHz
S/N	93dB One channel and main fader at unity(A-weighted)
Dynamic Range	110dB One channel and main fader at unity(A-weighted)
CMRR	>70 dB @1 kHz
Input Impedance	3.3kΩ(XLR Balance) 30 kΩ(1/4")
Gain	0 to 60 dB (XLR)
Output Impedance	600Ω(XLR Balance)
Max Output Level	+21 dBu(XLR Balance)
Power Supply	DC 12V-15V (3.5A)
Dimension(mm)	448(L) x 132(H) x 191(D)
Weight (kg)	Approximately4.2 kg

Key Features

Practical Function

- Intuitive touch control, covering almost all the major mixing functions.
- The mixer interface can be adjusted for each channel control, including solo, mute, audio-visual, fader, you can see the full level meter.
- Tons of built-in processing. Choice of powerful, touch-sensitive plug-ins, 4-band EQ, gate and compression on inputs, 31-band GEQ and com/limiter on outputs, global reverb and delay.

Flexible Configuration

- Each channel can edit their own name and icon for easy identification, the icon can be imported from a picture library.
- Power and 48V phantom power switches and LEDs round out the mixer.
- Seamless wired to wireless mixing, turn the room from anywhere, get on stage to ring out monitors, personal monitor mixing with access control ability.

Flexible Expansion

- Use up to 10 iOS devices simultaneously.
- Standard Ethernet or Dante™ digital soundcard available, can connect the MIXX12 to any Dante™ device.

Clear Sound Quality

- Ultra low-noise, high-headroom design.

Dante™
SPOKEN HERE



Dante™ upgrade card

Dante-equipped models enable multi-channel audio networking over Ethernet. Standard Ethernet or Dante™ digital networked audio configurations available. Ethernet digital audio of Multi channel, with 24-Bit depth and 48 KHz sample rate. Plug and play networking function,with automatic device discovery function and system configuration. Dante upgrade card available for standard Ethernet models. Dante virtual sound card license included to connect a computer to a Dante network for recording, playback and Internet calling between Dante-equipped devices(download Dante virtual sound card at audinate.com)