# PM-320 | WIRELESS DIVERSITY 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.

## Key Features

### 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.

### Super Wide Frequency Range

- The bandwidth is 32MHz, with 1280 adjustable frequencies. Channel groups 1-10 are factory preset with up to 180 fixed frequencies. Channel groups U1-U5 can freely set and save frequencies.

### UHF Audio Transmission Technology

- The receiver adopts the UHF frequency band, and the CPU controls the diversity reception to reduce dead spots and ensure stable reception.

### Real-time Monitoring

- Has a headphone monitor output.

### High Fidelity

- It has a long transmission distance and is suitable for various occasions.





## Product Specification



### PM-320R

Stereo Wireless Bodypack Receiver

- 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.

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|---|---|
| Receiving Method: | Antenna diversity reception |
| Channel: | Single channel |
| Frequency Stability: | ± 0.005% (0 ~ 50°C) |
| Carrier Frequency Range: | 521.25MHz ~ 936.85 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: | 2×150mW at 1KHz (T.H.D .: 3%) |
| Battery: | Aa×2 |
| Current Consumption: | 185mA (typical) |
| Battery Life: | About 7 hours |
| Dimension (mm): | 90 (H) x 65(W) x 23(D) |
| Weight: | Approximately 190g |



### PM-320T

Stereo Transmitter

- Metal 1 U Half-Rack 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.

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|---|---|
| Main Frame Size: | 1U Half-Rack |
| Frequency Stability: | ± 0.005% (-10~ 50°C) |
| Carrier Frequency Range: | 521.25MHz ~ 936.85 MHz |
| Modulation Mode: | FM (wideband stereo) |
| Output Power: | 10mW |
| 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 × 2, 6.3mm Stereo/XLR Combo Jack |
| Audio Loop Output: | 6.3mm Stereo jack ×2 |
| Dimension(mm): | 206 (W)×206(D)×43(H) |
| Weight: | 1.0kg |