

# TUBE // FET AND EVERYTHING IN BETWEEN

LARGE DIAPHRAGM FET AND TUBE MICROPHONE  
IN A SINGLE HOUSING



## // LCT 940 QUICKSTART GUIDE

### // Overview

- // Large diaphragm condenser Tube & FET microphone in a single housing
- // Continuously blend between tube and FET sound via rotating potentiometer
- // Multi-pattern microphone: cardioid, omnidirectional, figure-8, wide cardioid, supercardioid and four intermediate patterns
- // Noiseless pushbuttons for quick and easy attenuation and low-cut filter selection
- // 4 low-cut settings: linear, 40 Hz (12 dB/oct), 150 Hz (6 dB/oct) and 300 Hz (6 dB/oct)
- // 4 pre-attenuation settings: 0 dB, -6 dB, -12 dB and -18 dB
- // High dynamic range and low self-noise
- // Custom power supply unit with illuminated user interface for easy handling - even in dark environments
- // Gold plated & corrosion-resistant 11-pin XLR socket

**Top applications** // Vocals, acoustic instruments and wind instruments

### // User interface

- ① On/Off switch
- ② Fuse
- ③ Mains socket
- ④ Mains voltage selection switch
- ⑤ 3-pin XLR socket
- ⑥ 11-pin XLR socket
- ⑦ Pre-attenuation indications
- ⑧ Pre-attenuation push button
- ⑨ Stageless amplification selection, rotary knob
- ⑩ Status indicator rings
- ⑪ Polar pattern selection, jog dial
- ⑫ Low-cut filter indications
- ⑬ Low-cut filter push button
- ⑭ 11-pin audio cable

**Supply voltage:** Custom power supply unit 230 V, 50 Hz 110 V, 60 Hz

**Current consumption:** 14.95 W

**Connector:** Gold plated 11-pin XLR

**Cable:** 5 m (16.40 ft) 11-pin audio cable oxygen-free copper



## // Getting started

- 1 Make sure the mains voltage selection switch (4) is set to the correct position depending on the country's mains electricity.
- 2 Use the 11-pin audio cable to connect the microphone with the 11-pin XLR socket on the backside of the PSU.
- 3 Use the 3-pin XLR cable to connect your mixer with the 3-pin XLR socket (5) on the backside of the PSU.
- 4 Put the LCT 940 into operation by activating the On/Off switch (1) on the backside of the PSU.
- 5 Let the tube warm up. Microphone reaches full sensitivity after 60 seconds.
- 6 Experiment with different Tube and FET ratios.
- 7 You are ready to go!

## // Operating the microphone

### Status indicator rings (10)

- Illuminated in **white**: The microphone is in normal working mode.
- Illumination is **off**: Key-lock active.
- Illumination **flashes in red**: The microphone is experiencing clipping due to high SPL.
- Illumination in **red**: The microphone is in automatic attenuation mode.
- Illumination **flashes in white and red**: The microphone indicates the clipping history.

**Blend between TUBE and FET sound** // Turn the rotary knob (9) and select the desired amplification. Choose between clean "FET" and warm "TUBE" amplification or a mixture of the two circuits. The amplification mix is indicated by the red dot around the rotary knob.

**Polar pattern indicator** // The currently active polar pattern is illuminated in white. If an intermediate polar pattern is selected the neighboring polar patterns are illuminated in red and a white dot is illuminated between. 9 different characteristics can be set by briefly turning the jog-dial (11) to the right or left.

**Setting a low-cut filter** // Low-cut filters can be set by pressing the right push button (13).

Settings are: linear, 40 Hz (12 dB/oct), 150 Hz (6 dB/oct) and 300 Hz (6 dB/oct). Low-cut filters eliminate unwanted low-frequency sounds, compensate the proximity effect and reduce structure-borne noise. Do not forget to use the supplied windshield if necessary.

**Setting an attenuation level** // Attenuation levels can be set by briefly pressing the left push button (8).

Settings are: 0 dB, -6 dB, -12 dB and -18 dB. Attenuation is used in high SPL environments in order to prevent clipping of the microphone, mixer and other audio equipment.

To learn about the **key-lock function**, **automatic attenuation** and **clipping history** please read the full manual following the link at the bottom.

## // Please Note

- // The capsule is a sensitive, high precision component. Make sure you do not drop it from high heights and avoid strong mechanical stress and force.
- // To ensure high sensitivity and best sound reproduction of the microphone, avoid exposing it to moisture, dust or extreme temperatures. Use supplied windshield if suitable.
- // Do not apply excessive force on the buttons or the connected cable.
- // When disconnecting the microphone cable, grasp the connector and do not pull the cable.
- // Do not attempt to modify or fix the microphone, as it would void your product warranty.
- // The casing of the microphone can be cleaned easily using a wet cloth, never use alcohol or another solvent for cleaning.
- // The windshield can be washed with soap water, if necessary.

## // IMPORTANT NOTICE!

- // **Never remove the mains earth, doing so can have lethal consequences.**
- // **Replace fuse only with the same type.**
- // **Only use indoors, in safe and dry environments.**
- // **There are no user-serviceable parts inside the power supply unit, but there are potentially lethal voltages. If it does not work correctly, you should consult your dealer. Do not open the unit yourself.**
- // **Do not disconnect the microphone cable while the system is powered as this may result in damage to the microphone.**
- // **Do not use with damaged cables or after unit has fallen and loose parts or broken glass can be heard inside.**
- // **Do not cover the power supply unit, always leave enough space around it for proper ventilation.**

