

CM-601 UNIDIRECTIONAL CONDENSER BOUNDARY MICROPHONE

Thank you for choosing JTS unidirectional Condenser Boundary Microphone. In order to obtain the best efficiency, you are recommended to read this manual before using.

Feature

- The CM-601 is designed for conference, house of worship, and theater applications.
- The CM-601 features red LED indicator, 3 steps Low-Cut Switch and back electric cardioid condenser capsule.
- The membrane ON / OFF switch can be programmed to Push On / Push Off, Push To Talk and Push To Mute three modes.
- The precisely calculated circuit plus tailored capsule response ensure transparent sound quality.
- Internal shock mount minimizes mechanical noise.

Parts Identification

- ① Power On/Off LED Indicator
- ② Case
- ③ Harden Grill & Capsule
- ④ On / Off Switch
- ⑤ Output Connector (3P Mini XLR, Male)
- ⑥ Low Cut Switch
- ⑦ Switching Mode Selector



Use Instruction

Installation (Figure 1)

1. Connect the Mini XLR end of supplied audio cable to the output socket on the rear of CM-601.
2. Connect the XLR end of audio cable to a mixer.

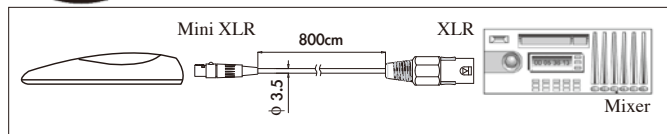


Figure 1

Switching Mode Selecting

There are three operating modes, which can be selected on the bottom of the CM-601, Push On / Push Off, Momentary On and Momentary Off. (Figure 2)

■ Push On / Push Off:

Switch to Push On/Off mode. Press the On / Off Switch for sound pickup and press again to mute.

■ Momentary On:

Switch to Mom. On mode. Microphone is On only while the On / Off Switch is being pressed.(Push To Talk)

■ Momentary Off:

Switch to Mom. Off mode. Microphone is Off only while the On / Off Switch is being pressed.(Push To Mute)



Figure 2

Low Cut Switch

The 80 Hz and 120 Hz low cut filter is equipped on CM-601 which reduces low frequency ambient noise.

(Figure 3)

LED Indicator

LED indicator shows the On/Off status. When the LED lights up, the microphone is ON and the power supply is normal.

Recommendation

- 1.The microphone should be placed on a flat and unobstructed mounting surface.
- 2.The sound source should not be below or higher than 60 degree above the level of the mounting surface for efficiency miking. (Figure 4)

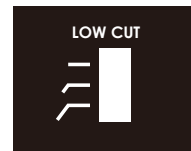


Figure 3

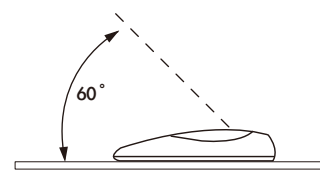


Figure 4

Specification

Type: Electret Condenser

Frequency Response: 30 to 12,000 Hz (Figure 5)

Sensitivity: $-53 \pm 3 \text{ dB}^*(2.23\text{mV}) \text{ 0dB}=1\text{V} / \mu \text{ bar}$

Directional Pattern: Half-Cardioid (Figure 6)

Low Frequency Roll-off: 80Hz, 120Hz

Impedance: Rated impedance is 100 Ω

Max. SPL For 1% THD: 125 dB at 1kHz

Signal To Noise Ratio: 67 dB

Power Supply: 12~52V DC phantom power

Current Consumption: $\leq 6 \text{ mA}$

Switches: Push control: on / off

Switching mode selector: push on / push off, momentary on, momentary off

Low cut: low frequency roll-off

Output Connector: 3P Mini XLR- M type (power module)

Net Weight: 88 grams

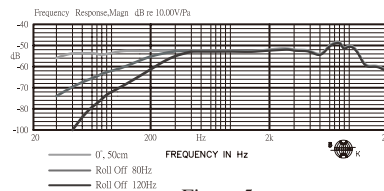


Figure 5

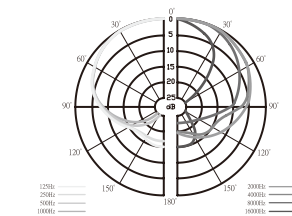
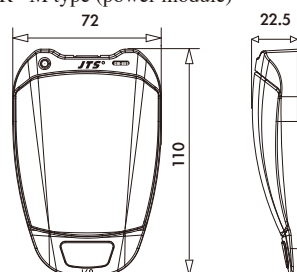


Figure 6

Dimension (m/m)



CM-602 UNIDIRECTIONAL CONDENSER BOUNDARY MICROPHONE

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Feature

- The boundary microphone is designed for conference, house of worship, and theater applications.
- The precisely calculated circuit plus tailored capsule response ensure transparent sound quality.
- Internal shock mount minimizes mechanical noise.
- The CM-602 features red LED indicator, membrane ON / OFF switch and back electric cardioid condenser capsule.
- The CM-602 is a simplified version of CM-601.

Parts Identification

- ① Power On/Off LED Indicator
- ② Case
- ③ Harden Grill & Capsule
- ④ On / Off Switch
- ⑤ Output Connector (3P Mini XLR, Male)



Use Instruction

Installation (Figure 1)

1. Connect the Mini XLR end of supplied audio cable to the output socket on the rear of CM-602.
2. Connect the XLR end of audio cable to a mixer.

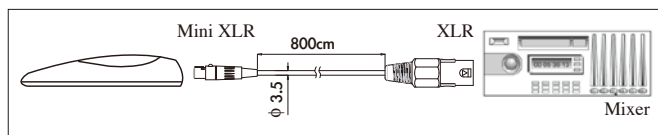


Figure 1

Push On / Push Off

Press the On / Off Switch for sound pickup and press again to mute.

LED Indicator

LED indicator shows the On/Off status. When the LED lights up, the microphone is ON and the power supply is normal.

Recommendation

1. The microphone should be placed on a flat and unobstructed mounting surface.
2. The sound source should not be below or higher than 60 degree above the level of the mounting surface for efficiency miking. (Figure2)

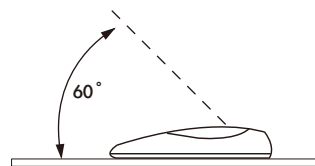


Figure 2

Specification

Type: Electret Condenser

Frequency Response: 30 to 12,000 Hz (Figure 3)

Sensitivity: -53 ± 3 dB*(2.23mV) 0dB=1V / μ bar

Directional Pattern: Half-Cardioid (Figure 4)

Impedance: Rated impedance is 100 Ω

Max. SPL For 1% THD: 125 dB at 1kHz

Signal To Noise Ratio: 67 dB

Power Supply: 12~52V DC phantom power

Current Consumption: ≤ 6 mA

Output Connector: 3P Mini XLR– M type (power module)

Net Weight: 88 grams

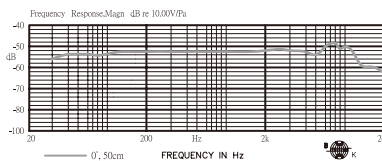


Figure 3

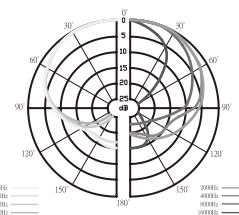


Figure 4

Dimension (m/m)

