

# FBTAC CM-601 UNIDIRECTIONAL CONDENSER BOUNDARY MICROPHONE



## 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.

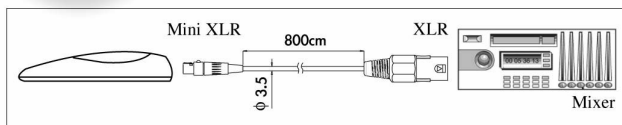


Figure 1

### 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)

### 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)

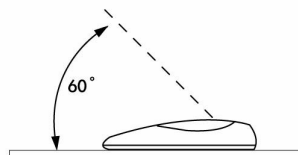


Figure 4

## Specification

Type: Electret Condenser

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

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

Directional Pattern: Half-Cardioid (Figure 6)

Low Frequency Roll-off: 80Hz, 120Hz

Impedance: Rated impedance is 100  $\Omega$

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

Signal To Noise Ratio: 67 dB

Power Supply: 36~52V DC phantom power

Current Consumption:  $\leq 6$  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

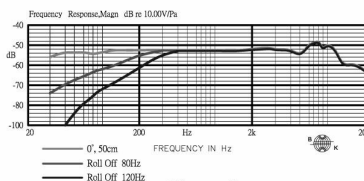


Figure 5

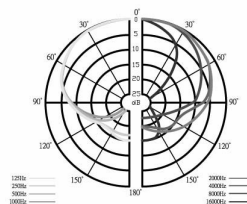


Figure 6

## Dimension (m/m)

