M63

INSTALLATION & OPERATING GUIDE

AUDIX®

OVERVIEW

The M63 is a condenser boundary microphone that features external DSP logic control, as well as an internal microprocessor logic that provides common DSP functions in local mode with programmable toggle on/off, momentary talk or mute switching and (red/green) LEDs indicating active/mute status.

The M63 uses Micros™ series technology offering superior audio performance optimized for speech and the industry's first patented internal suspension system reducing vibration noise.

For installations that do not require elaborate DSP programming, the M63 provides an easy-to-operate solution without the cost and labor required for DSP operation when set to internal logic mode.

IN THE BOX

- M63 microphone
- Spec sheet
- Installation guide
- Template

PERMANENT MOUNTING INSTALLATION

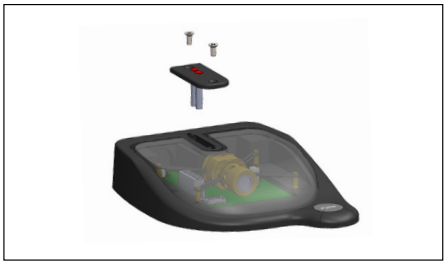


FIGURE 1

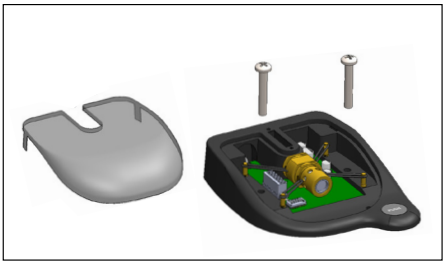


FIGURE 2

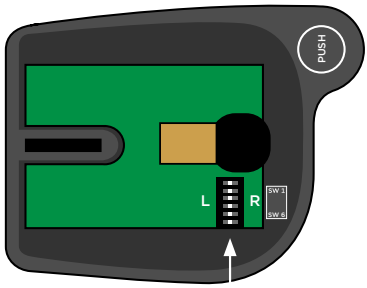
1. Mark placement using the provided M63 template.
2. Remove (2) screws from LED plate; remove plate. (figure 1)
3. Remove grill (figure 2)
4. For wood screw mounting evaluate surface depth and select appropriate screw length (2 ea as provided) [1 ¼" #6]
5. For machine screw mounting evaluate surface depth and select appropriate screw length (2 ea as provided) [2" 6/32 machined screw with nut and washer]
6. Refasten grill and LED plate

POWERING UP THE M63

When phantom power (48V) is supplied to the M63, the LEDs will blink red and green to indicate that the unit is receiving power. Following the power-up sequence, the LEDs will behave according to the setting specified by the DIP switch configuration.

DIP SWITCH SETTINGS

DIP switches can be accessed by removing the grille (see Mounting for removal instructions). To locate the DIP switches, refer to the illustration at right.



DIP SWITCHES

SW1 LEFT: LEDs for active only

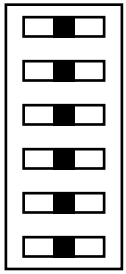
SW2 LEFT: Active LED color red

SW3 LEFT: External DSP logic

SW4 LEFT: Mic on at power up

SW5 LEFT: Mic switch momentary

SW6 LEFT: Not assigned



SW1 RIGHT: LEDs for active and muted

SW2 RIGHT: Active LED color green

SW3 RIGHT: Internal local logic

SW4 RIGHT: Mic off at power up

SW5 RIGHT: Mic switch toggle

SW6 RIGHT: Not assigned

SWITCH	USE	SETTING
SW1	Determines whether LEDs will be used to indicate both active and muted states	**RIGHT:** Active and mute status with alternate color LEDs **LEFT:** Only active state will be indicated by LEDs
SW2	Determines whether red or green LED indicates active state	**RIGHT:** Active is green **LEFT:** Active is red
SW3*	Sets microphone to local (internal logic) mode or external DSP logic control	**RIGHT:** Local control **LEFT:** External DSP logic
SW4	Sets microphone's initial state to ON or MUTE when phantom power is supplied (SW4 is disabled when SW3 is in external DSP)	**RIGHT:** Press to activate (muted on power-up) **LEFT:** Press to mute (active on power-up)
SW5	Determines whether mic is in toggle or momentary mode	**RIGHT:** Toggle between active and mute status **LEFT:** Momentary. Press and hold button to maintain either active or muted state (as specified by SW4)
SW6	Not assigned	

*When connecting to a DSP, DIP switch 3 is always set to the left position.

PIN / WIRE ASSIGNMENTS

The M63 is shipped with two 3-pin terminal blocks. One terminal block is for Audio connection (audio A+, A-, Ground) and it is the only connection required for audio and internal logic functionality as described in the overview. The second terminal block (LED, C.C. Ground) is for use when connected to a DSP for control of LEDs and contact closure. Two mating pair terminal block connectors are included in the box for field connection, if needed.

GREEN	Logic Input (LED Control)	**RED**	Audio (+)
WHITE	Logic Output (Button)	**BLACK**	Audio (–)
BLUE	Logic GND	**SHIELD**	GND/case

CONNECTING TO A DSP

IMPORTANT: When connecting to a DSP, DIP switch 3 is always set to the left position.