

USER GUIDE



MP_FB



MP-TB

MIC-POD

Microphone ON-OFF Switch

Version 1.0

DM Engineering

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Overview:

The “Mic-Pod” is a microprocessor controlled Microphone On-Off control system with the following features:

- Large LED differentially lighted Mic-On and Mic-Off (Cough) long life reed type silent push buttons
- Cough-mute function integrated with Mic-On button
- Remote control of Mic on-off function with a logic low or contact closure
- LED Mic On status indication at the rear of the enclosure for status check by control room operator or others
- Microphone XLR in and XLR out connectors as well as a screw terminal block for auxiliary function outputs/inputs
- Solid State Relay driving voltage, continuous or flashing, to drive a DME Solid State Relay Pack or customers own solid state relay for ON-AIR lamps, or for external LED indicators
- Precision metal film resistors used throughout audio chain for low noise and stability
- 9V power supply included

Installation:



Fig. 1

1. Connect the 9VDC Power Supply to the Mic-Pod and plug the Power Supply into a 100-240 VAC receptacle. The “MIC OFF” and “MIC ON” buttons on the Mic-Pod should illuminate, OFF bright and ON dim.
2. Connect your microphone XLR in and out connectors to the respective receptacles on the rear of the Mic-Pod.
3. If desired, connect the “SSR OUTPUT” and the “COMMON” terminals to your DM Engineering Studio Solid State Relay or users’ solid state relay (3-15VDC input) for lighting incandescent ON AIR or RECORDING lights. If the Mic-Pod SSR output is used for driving a LED indicator, a 220 ohm series resistor between the output and the LED is recommended. See note at the end of the “OPERATION” section below.
4. If desired, connect your remote control wiring to the “REMOTE” and “COMMON” terminals. Either a logic low or contact closure state will turn the Mic-Pod on, and a logic high or open contact state will turn the microphone off. It is recommended that an “open collector” logic interface or isolated normally open contacts be used.

Operation:

The Mic-Pod control functions are as follows:

MIC ON (COUGH): Turns on the microphone function and displays a brighter switch illumination on the active button. Depressing and holding this button while in the "ON" position will mute the microphone output.

MIC OFF: Turns off the microphone function.

Note: The SSR driver output voltage may be changed between continuous and flashing by moving an internal jumper located on the PCB.

Warranty Information:

The DM Engineering Mic-Pod is warranted for a period of one year from the date of purchase. This warranty covers materials and workmanship only. Any misapplication, physical or electrical damage from outside sources or by the customer is not covered. For factory warranty repairs, the customer must pay shipping costs to the factory, and DME will pay standard ground transportation. Any priority shipping costs are to be the responsibility of the customer as ground service is standard. Please contact the factory for an RMA number prior to any returns. Items returned without an RMA may be sent back to the customer unopened.

Technical Support

If you have questions, experience difficulties with the product or require further information please contact DME at: 805-987-7881, toll free 800-249-0487, or E-mail technical support at: support@dmengineering.com, or visit www.DMEngineering.com for the latest User Guide.

Specifications:

Case dimensions: 5.1" W X 6.0" L X 1.7" H

Case material and color: ABS flame retardant plastic, black

Power supply to Mic-Pod DC power connection method: 5.5 X 2.1mm coaxial connector

Power supply AC input operating voltage: 100-240 VAC, 50-60 Hz

Solid State Relay drive output voltage: 5VDC current limited by 330 ohms

Microphone buttons: Silent long life reed type with differential LED illumination

Power supply DC cord length: approx. 4 ft. total

Mounting method: Mic-Pod modules are supplied with rubber feet for table top use.

Operating temperature: 32 to 110F

Humidity: 0 to 95% non-condensing