



# HM-1-SUB

Hidden Microphone

Omni-Directional  
Condenser Microphone

Flush mounted



The Tech Works HM-1-SUB Hidden Microphone is a highly sensitive voice microphone designed for integration into Operator Consoles and custom systems where a quality, balanced, omnidirectional, microphone is required for voice pick up. An electronic balancing circuit shapes the omni-directional microphone for high voice band sensitivity while adapting it for low impedance connection over long wire lengths with minimal noise. Wiring is a standard twisted, shielded audio pair cable connected by screw terminals.

Mounting is by 2 screw holes in the circuit board. No mounting hardware is included.

This product is specifically designed and manufactured for use with the ICA-202D Intercom Amplifier.

## BENEFITS

- Easy to Install
- High Sensitivity
- Unobtrusive
- Durable Construction
- Electronically Balanced for long wire lengths

## Design Information

<b>Phantom Power</b>	10 - 60V DC
<b>Mounting</b>	2 - 0.125" holes on either side of the center of the microphone or 0.8" apart.
<b>Dimensions</b>	1" W x 2" H x 1" D
<b>Frequency Response</b>	50Hz - 16KHz
<b>Sensitivity</b>	-60dB
<b>Pattern</b>	Omni
<b>Impedance</b>	200 Ohms

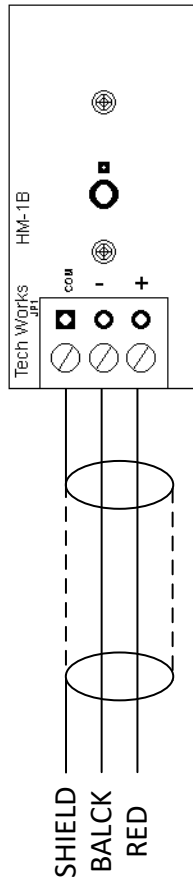


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## Wiring Connections



Always use a quality audio, twisted, shielded, cable when connecting the microphone. Microphone signals are very small and therefore susceptible to interference and noise, if not properly terminated and connected with quality cables.

The shield is important for two reasons:

1. The shield on the cable protects the signals from electrostatic interference in the environment.
2. The shield is the power supply common wire for the power that runs the condenser microphone circuitry.

Proper shielding is a must.

See individual amplifier manuals for proper connection to each product or system.

