



WM-1000 and WM-2000 Wall Mount Intercom Systems

The WM-1000 and WM-2000 Intercom Stations are designed for stationary, wall mounted installation in standard two-gang electrical boxes. The WM-1000 is a single-channel station; the WM-2000 provides switch-selectable access to either of two intercom channels. The WM-1000 and WM-2000 are ideal when users need to access the intercom system from strategic locations where a desktop station would be unsuitable, but they do not wish to carry around a belt-pack station. Since all of the intercom electronics are in the intercom station, the user need only connect a headset or telephone style handset to begin communicating. Alternatively, a headset or telephone handset can be left at the station.

Features

Channel Select Switch (WM-2000 Only)

Used to switch between intercom channels one and two. The switch lights green for channel one and red for channel two.

Intercom Listen Key

Both momentary (push-to-listen) and latching (hands-free listen) are possible.

Call Key

Used to send call signals on the intercom channel and to indicate incoming calls.

Intercom Talk Key

Both momentary (push-to-talk) and latching (hands-free talk) are possible. Additionally, the WM-1000 / WM-2000 have a feature called "mic kill receive" which lets an operator at a remote master station (such as the US-2002) turn off the talk key.

Dynamic-Mic Headset Connector

4-pin male XLR connector accepts headsets with monaural headphones and either a balanced or unbalanced dynamic microphone.

Volume Control

Adjusts intercom volume to headset.

Audiocom® / Clear-Com® Selector Switch

The selector switch sets the intercom station for compatibility with either Audiocom® or Clear-Com® channel connector pin-outs, channel power requirements, and call signaling requirements.

Configuration DIP switches

DIP switches are provided to enable/disable the following features: Call Beep: An optional call beep tone can be used for incoming call notification. Headset Microphone Type Selection: Balanced or unbalanced microphone may be selected. DC Call Enable: This may be turned on to use the intercom station with intercom systems that use DC call signaling.

Connections Terminal Block

Used to connect intercom channel(s) and an optional local power supply.

Sidetone Trimmers

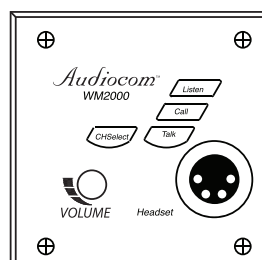
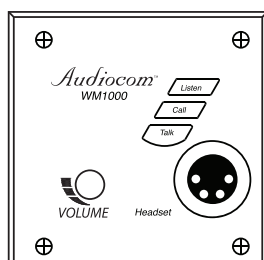
These are used to adjust the level of the station operator's own voice in the headphones.

Mounting Holes

The mounting holes fit any standard, two-gang electrical box

Clear-Com® Compatible

Line Drawing



WM-1000 & WM-2000 Specifications

General

Power Requirements:

Phantom Power: 24 VDC nominal (12 to 30 VDC), 65 to 150 mA

Local Power: 12 to 15 VDC, 65 to 150 mA

Dimensions: Mounts in standard two-gang electrical box

Environmental Requirements:

Storage: -20°C to 80°C; 0% to 95% humidity, noncondensing

Operating: -15°C to 60°C; 0% to 95% humidity, noncondensing

Dynamic-mic Headset

Microphone: 50 to 200 ohm, dynamic (balanced or unbalanced)

Headphones: 150 to 600 ohm, monaural

Connector Type: XLR-4M

Pin 1 Microphone low

Pin 2 Microphone high

Pin 3 Headphone high

Pin 4 Headphone low

Intercom Channels, Balanced Mode (SW1 set to BAL position)

Output Level: 1 Vrms nominal

Input Impedance: 300 ohms

Bridging Impedance: greater than 10,000 ohms

Sidetone: -40 dB, 35 dB adjustable range

Call Signaling:

Send: 20 kHz \pm 100 Hz, 0.5 Vrms \pm 10%

Receive: 20 kHz \pm 800 Hz, 100 mVrms

Mic-Kill Detect Frequency: 24 kHz \pm 800 Hz, 100 mVrms

Noise Contribution: less than -70 dB

Common Mode Rejection Ratio: greater than 50 dB

Connector Type: Six-position terminal block with screw-in wire clamps

Pin 1 Audio and DC Common

Pin 2 Local power (12 to 15 VDC, 65 to 150 mA)

Pin 3 Intercom channel 1 audio low and +24 VDC phantom power

Pin 4 Intercom channel 1 audio high and +24 VDC phantom power

Pin 5 Intercom channel 2 audio low and +24 VDC phantom power

Pin 6 Intercom channel 2 audio high and +24 VDC phantom power

Intercom Channel, Unbalanced Mode (SW1 set to UNBAL position)

Output Level: 1 Vrms \pm 10%

Input Impedance: 150 ohms

Bridging Impedance: greater than 10,000 ohms

Call Signaling:

Send: 11 \pm 3 VDC

Receive: 4 VDC minimum

Connector Type: Six-position terminal block with screw-in wire clamps

Pin 1 Common

Pin 2 Local power (12 to 15 VDC, 65 to 150 mA)

Pin 3 Channel 1 +24 VDC input

Pin 4 Channel 1 Intercom audio high and DC call

Pin 5 Channel 2 +24 VDC input

Pin 6 Channel 2 Intercom audio high and DC call

Ordering Information

WM-1000

Wall-Mount Intercom System

Catalog Number: 90007621000

WM-2000

Wall-Mount Intercom System

Catalog Number: 90007621001

This specifications information is preliminary and is subject to change without notification.

Brand names mentioned are the property of their respective companies.