SS-1002 and SS-2002
Speaker Stations

The SS-1002 and SS-2002 Intercom Speaker Stations may be used with a headset, or with the built-in speaker and the panel microphone or an optional gooseneck microphone. As an alternative to a headset, a telephone-style handset may also be used. The SS-1002 is a single-channel station; the SS-2002 provides switch selectable access to either of two intercom channels. Both the SS-1002 and SS-2002 come in three versions to suit a variety of applications. The "S" box is a portable version. It has a carrying handle and dual "loop-through" intercom connectors which permit stations to be quickly interconnected using prefabricated cables. The "P" box is a stationary version. It also has dual "loop-through" connectors for quick interconnection, but the case is designed for desktop or console-mount applications. The "U" box is designed for permanent, in-the-wall mounting. It uses push type wire terminals for connection to the intercom system. In addition to the standard SS-1002 / SS-2002 units, there is a two channel "RM" version. The rack-mountable ("rm") version is suitable for desktop use, or can be rack-mounted using the optional RM-14 rackmount kit.

Features

Easy Wiring
Via XLR "loop-through" or push-type wiring terminal block.

Panel Mic Key
Selects built-in panel microphone or gooseneck microphone (when present) when in the ON position. Selects headset/handset when in the OFF position.

Speaker Key
Selects the built-in speaker in the ON position and the headset/handset when in the OFF position.

Channel Select Switch (SS-2002 only)
Used to switch between intercom channels one and two. The switch lights green for channel one and red for channel two.

Call Key
Used to send call signals on the intercom channel and to indicate incoming calls.
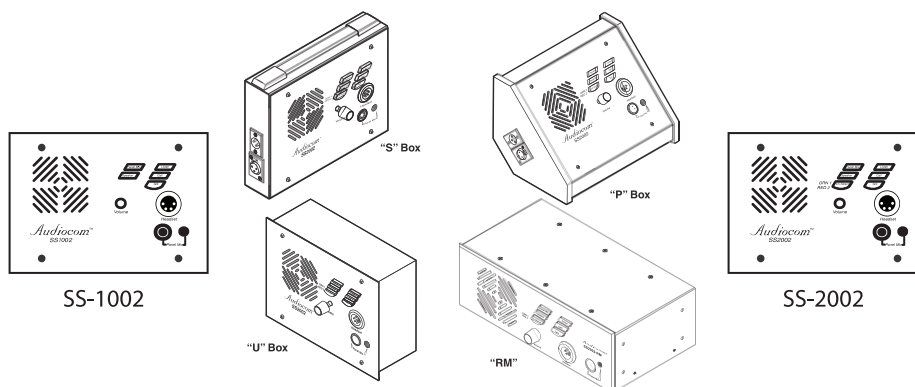
Intercom Talk Key
Both momentary (push-to-talk) and latching (hands-free talk) are possible.

Panel Mic Connector
Accepts an MCP-90 series microphone.

Clear-Com™ Compatible

Line Drawings

SS-1002

"S" Box

"P" Box

"U" Box

"RM"

SS-2002

SS-1002 and SS-2002 Specifications

General

Power Requirements:

Phantom Power: 24 VDC nominal (12 to 30 VDC), 175 mA

Local Power: 12 to 15 VDC, 250 mA

Environmental Requirements:

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

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

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

Panel Microphone

Microphone: 5 kohm, electret (-57 dB)

Connector Type: NTRK-8F

Pin 1 Common

Pin 2 Microphone high

Pin 3 +12 VDC microphone bias

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 ±100 Hz, 0.5 Vrms ±10%

Receive: 20 kHz ±800 Hz, 100 mVrms

Mic-Kill Detect Frequency: 24 kHz ±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 Unbalanced or UNBAL position)

Output Level: 1 Vrms ±10%

Input Impedance: 150 ohms

Bridging Impedance: greater than 10,000 ohms

Call Signaling:

Send: 11 ±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

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