

SS-1002 and SS-2002 Speaker Stations

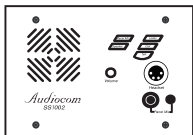


The SS-1002 and SS-2002 Intercom Speaker Stations may be used with a headset, a built-in speaker and panel microphone, or an optional gooseneck microphone. As an alternative to a headset, a telephone-style handset may also be used. The SS-1002 is a single-channel station; the SS-2002 provides switch selectable access to either of two (2) intercom channels. Both the SS-1002 and SS-2002 come in four (4) versions to suit a variety of applications. The “S” and “P” boxes are portable versions. It has a carrying handle and dual “loop-through” intercom connectors which permit stations to be quickly interconnected using prefabricated cables. The “RM” 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 (2) channel “RM” version. The rack-mountable (“RM”) version is suitable for desktop use, or can be rackmounted using the optional RM-14 rackmount kit.

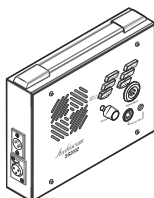
Features

- 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 (1) and two (2). The switch lights green for channel one (1) and red for channel two (2).
- Call Key –Used to send call signals on the intercom channel and to indicate incoming calls.
- Intercom Talk Key – Only momentary (push-to-talk) is possible to reduce feedback.
- Panel Mic Connector – Accepts any MCP-90 series microphone.
- Clear-Com Compatible

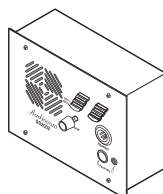
Line Drawings



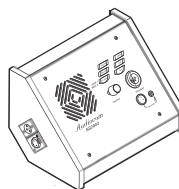
SS-1002



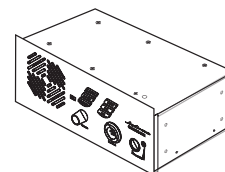
“S” Box



“U” Box



“P” Box



“RM”



SS-2002

Specifications

General

Power Requirements:

Phantom Power: 24 VDC nominal (18 to 30 VDC),
100 mA without speaker; 700mA with speaker

Local Power: 15 VDC, 100 mA without speaker;
700mA with speaker

Environmental Requirements:

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

Operating: 0°C to 50°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

Panel Microphone

Microphone: 5k Ohm, electret

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: >10k Ohms

Sidetone: 35 dB adjustable range

Call Signaling:

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

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: >50 dB

Connector Type: Six-position terminal block

Pin 1 Audio and DC Common

Pin 2 Local power (15 VDC, 750mA maximum)

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: 775 mVrms $\pm 10\%$ nominal

Input Impedance: 200 Ohms

Bridging Impedance: >10k Ohms

Call Signaling:

Send: 11 ± 3 VDC

Receive: 4 VDC minimum

Connector Type: Six-position terminal block

Pin 1 Common

Pin 2 Local power (15 VDC, 750mA maximum)

Pin 3 Channel 1 +30 VDC input

Pin 4 Channel 1 Intercom audio high and DC call

Pin 5 Channel 2 +30 VDC input

Pin 6 Channel 2 Intercom audio high and DC call

Order Information

- SS-1002 • No Enclosure
- SS-2002 • No Enclosure
- SS-1002P • SS-1002 • "P" Box
- SS-1002S • SS-1002 • "S" Box with Handle
- SS-2002P • SS-2002 • "P" Box
- SS-2002S • SS-2002 • "S" Box with Handle
- SS-1002U • SS-1002 • "U" Box
- SS-1002 • "S" Box without Handle
- SS-2002U • SS-2002 • "U" Box
- SS-2002 • "S" Box without Handle
- SS-2002RM • SS-2002 • RM (rack mountable)

For ordering information, contact your regional sales representative at:

<http://rtsintercoms.com/us/intercom/contact>

The specification information is preliminary and is subject to change without notification.
Brand names mentioned are the property of their respective companies.