

## 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.

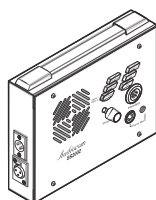
## Features

- 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

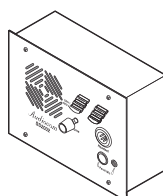
## Line Drawings



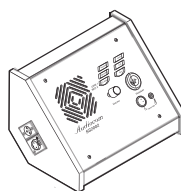
SS-1002



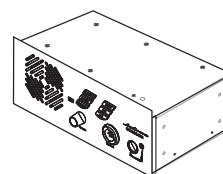
“S” Box



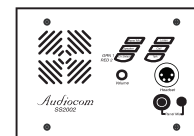
“U” Box



“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  $\pm$ 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: ..... >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  $\pm$ 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.  
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