RTS Audiocom

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.
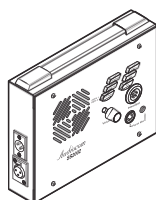
Features

- 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.
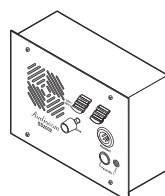
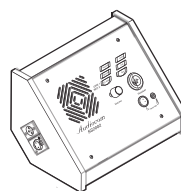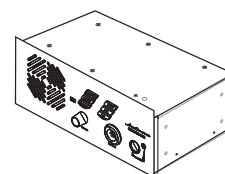- Clear-Com Compatible

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 Ω, dynamic (balanced or unbalanced)

Headphones: .... 150 to 600 Ω, 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 Ω, 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 Ω

Bridging Impedance: ....>10k Ω

Sidetone: ....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:...>-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 ±10% nominal

Input Impedance: ....200 Ω

Bridging Impedance: ....>10k Ω

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.

RTS

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