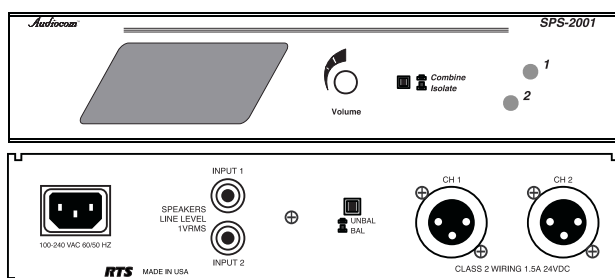# RTS Audiocom

SPS-2001
Power Supply

The SPS-2001 is a versatile power supply that can be used in a variety of RTS Audiocom intercom system applications. It is ideal for applications where it is desirable to use a master station with a panel mic/speaker combination. The SPS-2001 directly accepts any AC input power from 100 to 240VAC, 50/60Hz, and it can be configured to power two (2) separate intercom channels or one (1) large intercom channel with twice the intercom station capacity. Additionally, the SPS-2001 can be configured for compatibility with Clear-Com Intercom Systems. The SPS-2001 can be rack mounted or used on a desktop. For rack mounting, optional hardware is required. For desktop use, four (4) non-marring rubber feet are supplied

Features

- Two (2) audio inputs are provided. The inputs are combined internally and sent as a monaural signal to the internal speaker amplifier. The volume control adjusts the level to the front panel speaker. Typically, these inputs are used with the speaker outputs of a master station when the master station is set for use with a panel mic and speaker instead of a headset.

- Recessed push-button switch lets you combine the audio signals of the two (2) channels to create a single audio channel where all users can intercommunicate. Or, you can isolate each channel to create two (2) groups of completely independent users.

- Combine/Isolate switch is set to the Isolate position, each channel connector is powered separately and has completely separate intercom audio. When the Combine/ Isolate switch is set to the combine position, each channel is still powered separately, but the audio signals are combined so that all users on both channels can intercommunicate.

- Selector switch sets the SPS-2001 for compatibility with either RTS Audiocom (BALANCED) or Clear-Com (UNBALANCED). Compatibility includes channel connector pin-outs, channel power requirements, and call signaling requirements. The SPS-2001 is shipped with this switch in the RTS Audiocom position.

- Instantaneous Auto Reset (IAR), the newest technology in performance and safety, which uses a revolutionary new circuitry that dynamically monitors line fault conditions. Then, when the fault is removed, automatically brings individual power supply channels up. Indicators are green for normal operation and red when there is an overload or short circuit.

- Clear-Com Compatible

Line Drawings

Specifications

General

Input Power Requirements: .... 100 to 240VAC, 50/60Hz

Output Power (each channel) .... 24 ± 1VDC, 1A

Dimensions: .... 1.75 in (44.5 mm) high

8.25 in (209.5 mm) wide

10.31 in (261.9 mm) deep

Weight: .... approximately 2.5 lb (1.13 kg)

Environmental Requirements:

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

Operating: .... 0°C to 50°C; 0% to 95% humidity, non-condensing

Intercom Channels

General

Connector Type: .... One XLR-3M audio connector for each channel

Pinout depends on setting of internal switch S-200 for

balanced or unbalanced operation as defined below

Balanced Mode

Line Terminating Impedance: .... 300Ω ± 10% Connector Pin-out

Pin 1 .... Common (audio and DC return)

Pin 2 .... Full-duplex, balanced intercom audio and +24VDC output

Pin 3 .... Full-duplex, balanced intercom audio and +24VDC output

Unbalanced Mode

Line Terminating Impedance: .... 200Ω ± 5% Connector Pin-out

Pin 1 .... Common (audio and DC return)

Pin 2 .... 30±1VDC output

Pin 3 .... Full-duplex, unbalanced Intercom audio high

Speaker Inputs

Type: .... RCA Phone Jack

Tip: .... Speaker + input

Sleeve: .... Speaker - input

Approvals

UL, CUL, CE

Order Information

SPS-2001 • Power Supply

For ordering information, contact your regional sales representative at:
http://rtsintercoms.com/us/intercom/contact

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www.rtsintercoms.com