



## SPS-2001 Power Supply

The SPS-2001 is a versatile power supply that can be used in a variety of 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 240 VAC, 50/60 Hz, and it can be configured to power two separate intercom channels or one 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 non-marring rubber feet are supplied.

### Features

#### Speaker Inputs and Volume Control

Two 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.

#### Combine/Isolate Switch

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

#### Channel Status Indicators And Reset Push-Button

The indicators are green for normal operation and red when there is an overload or short circuit. The reset push-button restores normal operation after the short-circuit or overload has been located and fixed.

#### Universal AC Power Input

The SPS-2001 accepts any input power in the range of 100-240 VAC, 50/60 Hz.

#### Intercom Channel Connectors

When the 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.

#### Audiocom® / Clear-Com™ Selector Switch

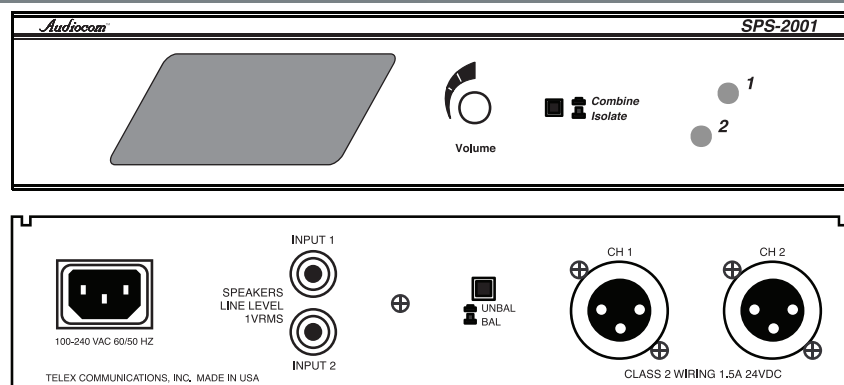
This selector switch sets the SPS-2001 for compatibility with either Audiocom® (BALANCED) or Clear-Com™ (UNBALANCED). Compatibility includes channel connector pin-outs, channel power requirements, and call signaling requirements. The SPS-2001 is shipped with this switch in the Audiocom® position.

#### Instantaneous Auto-Reset

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.

#### Clear-Com™ Compatible

### Line Drawings



# SPS-2001 Specifications

## General

Input Power Requirements:

100 to 240 VAC, 50 / 60 Hz

Output Power (each channel)

21 ± 1 VDC, 2A

Dimensions: 1.75" (44.5 mm) high, 8.25" (209.5 mm) wide, 10.31" (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: 300 ohms ± 10% Connector Pin-out

Pin 1 Common (audio and DC return)

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

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

### Unbalanced Mode

Line Terminating Impedance: 150 ohms ± 5% Connector Pin-out

Pin 1 Common (audio and DC return)

Pin 2 +24 VDC 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

## Contact Information

Telex® Communications, Inc.  
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Burnsville, MN 55337  
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Form Number: 38110-211  
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## Ordering Information

**SPS-2001**  
Power Supply  
Catalog Number: 90007699000

This specifications information is preliminary and is subject to change without notification.  
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