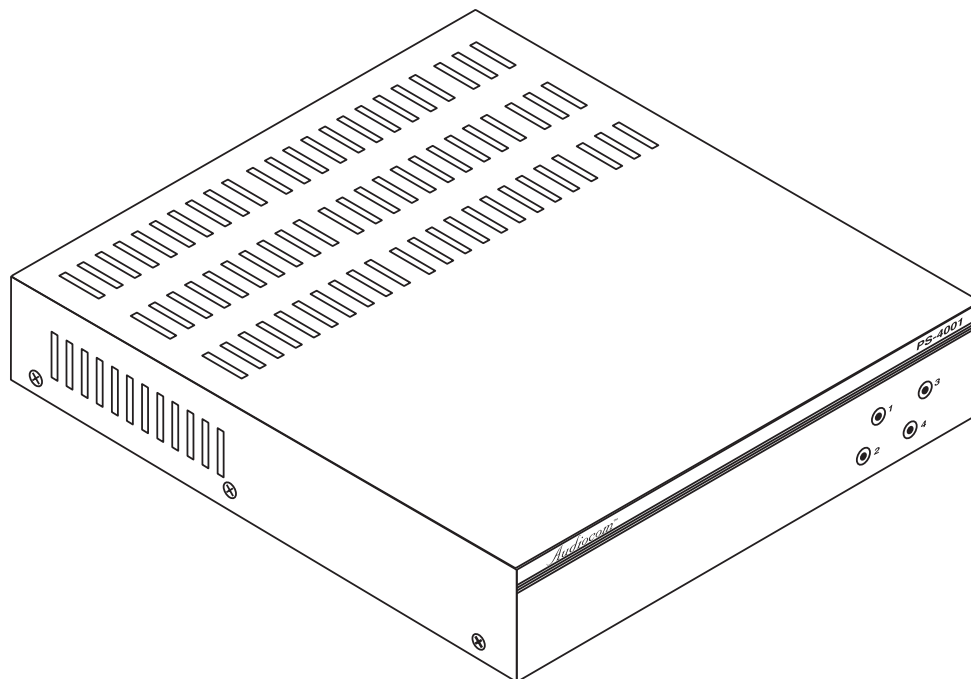


# Telex<sup>®</sup>

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## User Instructions



### Model PS-4001 Power Supply

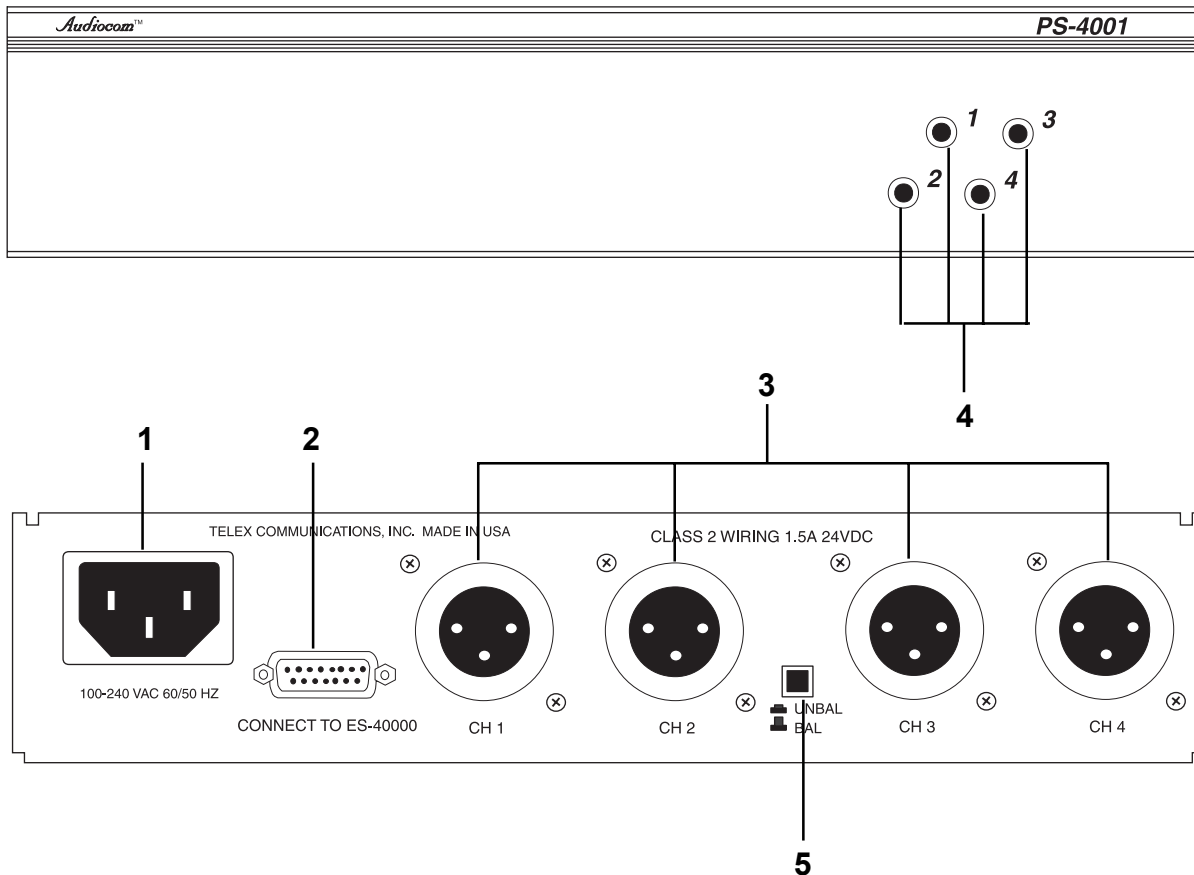
**Audiocom<sup>®</sup> Intercom Systems**

## **FCC Statement**

This equipment uses, and can radiate radio frequency energy that may cause interference to radio communications if not installed in accordance with this manual. The equipment has been tested and found to comply with the limits of a Class A computing device pursuant to Subpart J, Part 15 of FCC Rules which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area may cause interference which the user (at his own expense) will be required to correct.

**CE** This product meets Electromagnetic Compatibility Directive 89/336/EEC

# Operation



1. Universal AC Power Input: The unit accepts any input power in the range of 100-240 VAC, 50/60 Hz.
2. Connector to ES-4000A: This connector carries power to the ES-4000A expansion station, and carries the four audio channels of the ES-4000A. When a telex ES-4000A is connected to the PS-4001, each of the four channels of audio is “broken out” to the respective channel connector.
3. Intercom Channel Connectors: These connectors carry power to the intercom system and provide termination for the audio signal of each individual intercom channel.
4. Channel Status Indicators: The indicators are green for normal operation and red when there is an overload or short circuit. The circuitry in the unit will automatically reset when the overload or short circuit is located and fixed, and the LED will go back to green..
5. BAL / UNBAL Selector Switch: This selector switch allows the user to configure the unit for use in either an Audiocom® (BALANCED) or Clear-Com (UNBALANCED) system. Compatibility includes channel connector pin-outs, channel power requirements, and call signaling requirements. The default setting for this switch is in the Audiocom® (BAL) position.

# Specifications

## General

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

Output Power (each channel): 24 ±1 VDC, 2 A

Dimensions 1.75”(44.5 mm) high x 8.25” (209.5 mm) wide x 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. Pin-out depends on setting of BAL / UNBAL switch for balanced or unbalanced operation as defined below:

### Balanced Mode (set to BAL position)

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 (set to UNBAL position)

Line Terminating Impedance: 150 ohms ±5%

Connector Pin-out:

Pin 1 Common (audio and DC return)

Pin 2 +30 ±1 VDC output

Pin 3 Full-duplex, unbalanced Intercom audio high

## Approvals

UL, CUL, CE

## **COPYRIGHT**

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## **TRADEMARKS**

Audiocom® is a registered trademark of Telex Communications. Clear-Com® is a registered trademark of Clear-Com Systems. Names of other products mentioned herein are used for identification purposes only and may be trademarks and/or registered trademarks of their respective companies.

## **WARRANTY INFORMATION**

Products are warranted by Telex Communications, Inc. to be free from defects in materials and workmanship for a period of one year from the date of sale.

The sole obligation of Telex during the warranty period is to provide, without charge, parts and labor necessary to remedy covered defects appearing in products returned prepaid to Telex. This warranty does not cover any defect, malfunction or failure caused beyond the control of Telex, including unreasonable or negligent operation, abuse, accident, failure to follow instructions in the manual, defective or improper associated equipment, attempts at modification and repair not authorized by Telex, and shipping damage. Products with their serial numbers removed or effaced are not covered by this warranty.

To obtain warranty service, follow the procedures entitled "Procedure for Returns" and " Shipping to Manufacturer for Repair or Adjustment".

This warranty is the sole and exclusive express warranty given with respect to Audiocom products. It is the responsibility of the user to determine before purchase that this product is suitable for the user's intended purpose.

ANY AND ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY ARE LIMITED TO THE DURATION OF THIS EXPRESS LIMITED WARRANTY.

NEITHER TELEX NOR THE DEALER WHO SELLS TELEX PRODUCTS IS LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND.

## **CUSTOMER SUPPORT**

Technical questions should be directed to:

Customer Service Department  
Telex  
12000 Portland Avenue South  
Burnsville, MN 55337 U.S.A  
Telephone: (952) 884-4051  
Fax: (952) 884-0043

## **RETURN SHIPPING INSTRUCTIONS**

### **Procedure for Returns**

If a return is necessary, contact the dealer where this unit was purchased.

If a return through the dealer is not possible, obtain a RETURN AUTHORIZATION from:

Customer Service Department  
Telex Communications, Inc.  
Telephone: 1-800-392-3497 or (952) 884-4051  
Fax: 1-800-323-0498 or (952) 884-0043

DO NOT RETURN ANY EQUIPMENT DIRECTLY TO THE FACTORY WITHOUT FIRST OBTAINING A RETURN AUTHORIZATION.

Be prepared to provide the company name, address, phone number, a person to contact regarding the return, purchase order number, the type and quantity of equipment, a description of the problem and the serial number(s).

### **Shipping to Manufacturer for Repair or Adjustment**

All shipments of products should be made via United Parcel Service or the best available shipper prepaid. The equipment should be shipped in the original packing carton; if that is not available, use any suitable container that is rigid and of adequate size. If a substitute container is used, the equipment should be wrapped in paper and surrounded with at least four inches of excelsior or similar shock-absorbing material. All returns must include the return authorization number. Units sent for repair or adjustment **DO NOT** need a return authorization number

Factory Service department  
Telex Communications, Inc.  
West 1<sup>st</sup> Street  
Blue Earth, MN 56013 U.S.A.

Upon completion of any repair the equipment will be returned via United Parcel Service or specified shipper collect.