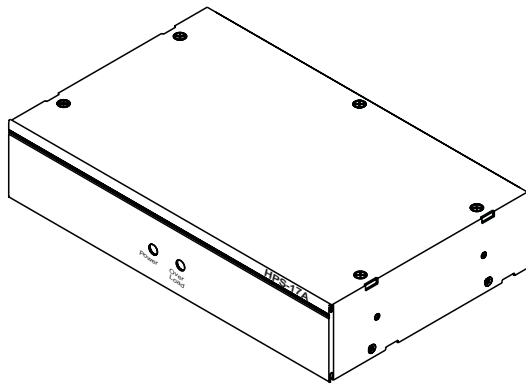


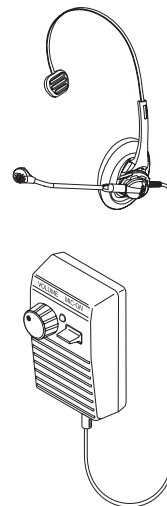
# TELEX TECHNICAL DATA

*Audiocom*<sup>®</sup>

## Series 17 Intercom System



**Model HPS17A Power Supply**



**Model HCA17A Portable Headset Station  
with HST17A Headset**

### System Description

The Series 17 Intercom System provides 2-way voice communication, without call-light signaling, for up to eight users. It is ideal for light-duty applications. The system consists of an HPS17A Power Supply and up to eight, HCA17A Portable Headset Stations with HST17A Headsets. Headset stations connect to the power supply using lightweight modular cords similar to telephone cords. Cord lengths may be up to 500 ft (152 m). The cords provide both the 2-way voice audio and the power connection for the headset stations. No batteries are used.

The HPS17A Power Supply plugs into an AC mains outlet. It provides safe, low-voltage DC power to the headset stations. The HPS17A features current limiting to protect against DC overloads, such as shorted headset station cords, and there is an overload indicator on the front panel. Normal operation resumes automatically when the cause of an overload is removed.

The HCA17A Portable Headset Station contains the station electronics and controls. It may be placed on a desktop, or worn on the user's belt with the attached belt clip. It can also be permanently mounted to a surface by removing the belt clip and then purchasing longer mounting screws as required.

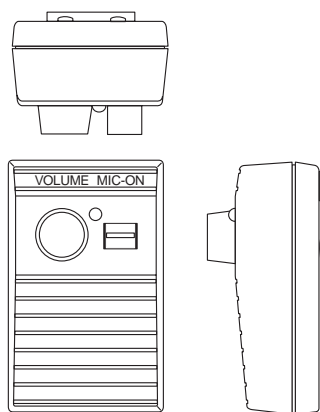
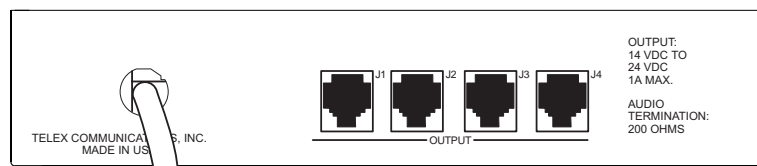
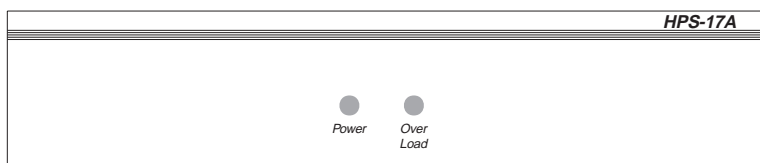
The HST17A Headset features a single earphone and a boom-mounted microphone. The microphone is a noise canceling type, which helps to block out background noise. The headset comes with both a lightweight headband for wearing on the head, and 3 sizes of earband for wearing on the ear. It may be worn on either side of the head.

### Features

- Cost effective and easy to use.
- Connect up to 4 users directly to the HPS-17A. Connect up to 8 users total with the optional HSB17 Splitter.
- Stationary or portable applications. Plus, the HPS17A Power Supply can be rack mounted with optional Audiocom rack mounts.
- Lightweight, modular cords (similar to telephone cords).
- Safe, low-level DC operation for headset stations.
- Electronic short-circuit protection for DC, fuse protection for AC.
- Noise-canceling headset microphone helps block out background noise when talking.
- Non-removable headsets for tamper-proof usage.
- Headset station control units and headsets separately replaceable (requires slight disassembly).

### Applications

- Auditorium, stadium, and theme park communication
- Theater and sound reinforcement
- Non-broadcast television production
- Industrial operations and construction sites
- Hospital, security, and large-scale testing operations



## Accessories

- **HSB17 1x5 Modular Splitter.** Plugs into one of the intercom station jacks on the back of the HPS-17A Power Supply. Provides 5 connectors for intercom stations. (Note: You can connect up to 4 stations without the splitter, and up to 8 stations when using the splitter).
- **HYB17, HYC17, and HYD17 Modular Line Cords.** Convenient prefabricated cords in several lengths to connect intercom stations.
- **Audiocom RMK-S, Single-unit Rack Mount Kit:** Mounts a single half-rack wide unit, such as the HPS17A Power Supply, in a standard 19" equipment rack.
- **Audiocom RMK-D, Dual-unit Rack Mount Kit:** Mounts two half-rack wide units in a side-by-side configuration.

## Ordering Information

Description	Cat. Number	Pro Net
HPS17A Power Supply, 110 VAC	9000-3724-01	\$220.00
HPS17A Power Supply, 220/240 VAC	9000-3724-06	\$220.00
HCA/HST17A User Station with Headset	9000-4170-01	\$145.00
HCA17A Replacement User Station (no headset included)	9000-3571-01	\$115.00
HST17A Replacement Headset Only	3000650-108	\$32.00
HSB17 1 X 5 Modular Splitter	2013-0038-00	\$30.00
HYB17 Modular Line Cord, 25' (7.6 m)	2508-0007-00	\$20.00
HYC17 Modular Line Cord, 50' (15.2 m)	9000-4466-00	\$30.00
HYD17 Modular Line Cord, 100' (30.4 m)	9000-4467-00	\$40.00
RMK-S Single-unit Rack Mount Kit	9000-7352-000	\$52.00
RMK-D Dual-unit Rack Mount Kit	9000-7353-000	\$47.00

## Specifications

General	
Temperature Range	Operating: 0 to 50 degrees C Storage: -55 to 125 degrees C
Humidity Range	0% to 90%, non-condensing
HPS17A Power Supply	
Mains Input Power	110 VAC, 60 Hz, 32 VA 115 VAC, 60 Hz, 32 VA 230 VAC, 50 Hz, 32 VA
Output Voltage	No Load: 24 VDC Full Rated Load: 17 VDC Maximum Load: 14 VDC
Output Current	Full Rated Load: 0.74 Amps Maximum Load: 1 Amp Current Limiting Initiate: 0.5 Amps
Output Line Impedance	200 ohms
Frequency Response	75 Hz to 20 kHz, +0/-3 dB
Output Noise (Ref: 2 volt p-p nominal level)	-55 dBV
Maximum Operating Line Capacitance	0.3 microfarad
Construction and Finish	Aluminum, black finish with gold letters.
Dimensions	1.90" high x 8.00" wide x 5.50" deep (48.3 mm x 203.2 mm x 139.7 mm)
Weight	Approximately 2.25 lbs (1 kg)
HCA17A Headset Station	
Input DC Voltage	2-wire line: 18 to 35 VDC 3-wire line: 14 to 35 VDC
DC Current Draw	Quiescent: 20 to 40 mA Operating: Approximately 50 mA
Bridging Impedance	10,000 ohms, typical
Noise Contribution to 200-ohm line	One HCA17: -75 dBu Two HCA17s: -67 dBu
Construction and Finish	ABS plastic, black finish with gold letters
Dimensions	Housing: 1.20" high x 2.25" wide x 3.6" deep (30.5 mm x 57.2 mm x 91 mm) Overall: 1.75" high x 2.25" wide x 3.6" deep (44.5 mm x 57.2 mm x 91 mm)
Weight	4 oz (112 g)

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