

The Sound Associates SA-500HX headset allows the user to receive wireless clarified sound in facilities equipped with an infrared listening system. The SA-500HX Headset conforms to standards set by Americans with Disabilities Act (ADA) for the hard of hearing and uses the latest in infrared technology.

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- 1 – SA-505 Rechargeable Battery
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WARRANTY: The T1000 TV transmitter and the PS1 power supply are covered by a full one year warranty, from the date of original purchase, against defects in workmanship or materials. If either component fails due to defects in craftsmanship or materials we will repair or replace that component without charge. The factory warranty does not cover malfunctions due to abuse or operation other than specified.

SERVICE OR REPAIRS: Contact Sound Associates Infrared Division at (212) 757-5679 10:00-5:30 Monday through Friday.



OPERATION:

Using the receiver:

The SA-500HX receiver is worn stethoscope style, under the user's chin with the photo-cell lens facing away from the body (see figure above). The rechargeable battery must be inserted firmly into the bottom of the receiver for use. The

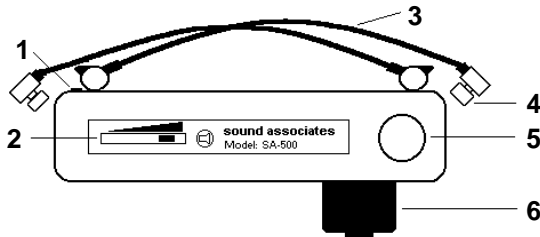
battery can be plugged in either direction. The receiver's "on/off" switch is located under the unit's right ear tube; therefore, the headset is "on" when worn and shuts "off" when folded. The volume is adjusted by the slide control located on the unit face.

Charging the receiver battery:

The SA-505 rechargeable battery can be charged in a standard 110 volt outlet (with an adapter) or a multiple battery charger (BC25 or BC50). The battery's operating

time is approximately 6 hours with a recharging time of approximately 12 to 18 hours. The batteries can not be overcharged due to internal circuitry; therefore, they can be supplied voltage for extended periods of time.

LOCATION AND USE OF CONTROLS:



1. **"On/Off" Switch:** Located under the right ear when the front of the headset is facing away from you. The switch is activated automatically when the headset is worn and shuts off when the ear tubes are folded.
2. **Volume Control:** A slide control adjusts the volume for each headset. With the photo cell on the front of the headset facing away from you, slide the control to the left to increase the volume.
3. **Folding Ear Tubes:** Ear tubes fold for easy carrying and storage.
4. **Foam Ear Tips:** Removable ear pieces are easily cleaned or replaced when dirty.
5. **Photo-cell Lens:** This lens filters the infrared light into audio. The detector lens must not be blocked or covered during operation, as this would interrupt sound reproduction.
6. **Rechargeable Battery:** 2.4 volt that will run approximately 6 hours without recharging. It can be recharged in European 220 volt plugs or US 110 volt plugs with an adapter. The battery can be plugged into the bottom of the headset in either direction.

TECHNICAL SPECIFICATION:

| | |
|-------------------------|----------------------------------|
| Infrared wave length | 950nm |
| Modulation | FM |
| Receiving frequency | 250kHz |
| Power supply | 2.4 V rechargeable NiCad battery |
| Operating time | Approx. 6 hours |
| Battery recharging time | Approx. 12-18 hours |
| Output | 112 db SPL @ 1kHz |
| Dimensions folded | 6 3/4" x 2 1/2" x 5/8" deep |
| Dimensions open | 6 3/4" x 6 5/8" x 5/8" deep |
| Weight | 2 oz. |

ACCESSORIES: (SOLD SEPARATELY)

- T1000 – Personal Home/TV Transmitter
- SA505 – Additional Rechargeable Battery
- CC-1 – Carrying Case for SA500HX
- BC-1 – Battery Charging Adapter
- SA500FET – Replacement Foam Eartips

Commercial size battery chargers and carrying cases also available.

TROUBLESHOOTING

| SYMPTON: | CAUSE/REMEMDY |
|---|---|
| Only static heard in headset. | Headset is not receiving the infrared transmission. <i>Make sure...</i> ...the home unit transmitter is on and functioning. ...the photo-cell lens on the front of the headset is not blocked. ...direct sun light does not shine on the photo cell. (Sunlight carries infrared light which could interfere with the transmission.) |
| No static and no audio in the headset. | The headset is not powered or the infrared light is being received but with no audio signal "on its back". <i>Make sure...</i> ...battery is charged and secured firmly in headset. ...the volume on the headset is turned up. ...transmitter in the public facility or at home is operational. |
| Signal is received but with some static in the headset. | The infrared signal is too weak or levels of infrared light are interfering with the transmission. <i>Make sure...</i> ...home transmitter is in direct view of the headset. ...sunlight or intense light is not shining on the photo cell. |
| Signal is intermittent or the sound begins to fade. | The battery is no longer holding an adequate charge. <i>Make sure...</i> ...the battery is charged or use a new battery. |

OPERATIONS MANUAL

SA-500HX INFRARED HEADSET/RECEIVER



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