



OPERATION MANUAL

SA1532P INFRARED RECEIVER
SA1520NIL NECK INDUCTION LOOP
(EACH SOLD SEPARATELY)



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INTRODUCTION

The Sound Associates SA1532P is an infrared receiver that allows the user to receive wireless, clarified sound in most facilities equipped with an infrared listening system. The receiver conforms to standards set by the Americans with Disabilities Act (ADA) for the hard of hearing and uses the latest in infrared technology.

The Sound Associates SA1532P is a two-channel stereo infrared pendant receiver operating on 2.3 MHz (channel 1), 2.8 MHz (channel 2) or stereo (2.3 MHz - left, 2.8 MHz - right), requiring the use of an additional ear piece such as neck induction loop, headphones or ear bud.

The following instructions should be read completely before attempting to use your receiver to ensure proper set up and use of the equipment. If you require further assistance, please call our Customer Service Department Monday-Friday 10:00 am - 5:30 pm at (888) 772-SOUND (7686).

HEADSET VS. NECK INDUCTION LOOP

The neck induction loop, used in conjunction with the SA1532P body pack receiver is designed for the individual with a more extensive hearing loss. It is used to enhance the amplification of the user's hearing aid. ***Note: The hearing aid must be equipped with a "T" switch or have a telecoil setting to use a neck induction loop.*** The combination of the two devices is likely to give the user more volume and intelligibility than with the hearing aid or headset alone.

UNPACKING THE UNIT

As soon as the shipment is received, inspect the unit and all components for damage incurred by shipping. If the unit is damaged due to shipping, please keep all packing material and contact the shipping company as soon as possible. Only the consignee may institute a claim against a carrier if damage has occurred in shipping, however, Sound Associates will assist the client in any such event.

Equipment enclosed:

- 1 Infrared receiver (SA1532P)
- 1 Cloth lanyard with easy-release connector
- 1 SA1505 rechargeable battery
- 1 Instruction Manual

FEATURES

- Two selectable channels for multi-language interpretation or stereo audio enhancement.
- Uses lanyard or pocket spring clip on back to wear in a variety of ways.
- Recommended for use with Sound Associates SA1520NIL Neck Induction Loop.
- Unit automatically turns "on" when 3.5 mm jack is inserted, causing LED to illuminate.
- Slide volume and channel selection for simple operation.
- Full one-year warranty.

OPERATION

Using the Receiver

The receiver is worn either around the neck (pendant style) using the lanyard or attached to a pocket using the clip found on back of the receiver. The unit should be worn at least chest high with the channel selector and volume controls facing away from the body. The SA1505 rechargeable battery must be inserted firmly into the bottom of the receiver for use. The battery can be plugged in either direction.

The SA1532P requires a separate earpiece (such as neck induction loop, headset or ear bud) with a 3.5 mm (miniplug) jack. The receiver's "on/off" switch is located internally which turns the unit on automatically when miniplug is inserted and shuts off once the earpiece is removed. A red indicator light on the top of the unit will illuminate once the earpiece has been connected properly to show the unit is on.

Note: remember to disconnect the piece when not in use to avoid unnecessary drain on the battery.

The use of a neck induction loop with the SA1532P receiver requires the user to adjust their hearing aid to the "T" switch or telecoil setting, usually the middle position on a 3-position on/off switch. (If you are unsure if your hearing aid is equipped with a telecoil setting, check with your audiologist.)

The volume is adjusted by the slide control located on the unit face.

Location and Use of Controls



1 – Rechargeable Battery: (Model SA1505) 2.4 volt that will run approximately four hours without recharging. Recharging time is approximately 2.5 hours using Sound Associates SA1905-03 Drop-in Charger or SA1930 Drop-in Multi-charger (each sold separately).

2 – Battery Clip:

3 – Volume Control Slide: A slide control adjusts the volume for the receiver. With the photo cell on the front of the receiver facing away from you, slide the control to the left to increase the volume.

4 – Dual Photo-Cell Receiving Diodes: The diodes receive the infrared light and convert it

into sound. They must not be blocked or covered during operation, as this would interrupt sound reproduction.

5 – Input Jack: The pendant receiver requires an earpiece, such as the neck induction loop, or other devices with a 3.5mm plug (miniplug). Once the plug is inserted in the jack, the receiver is operational. A blue indicator light will illuminate to show the receiver is powered on.

6 – Power/Channel Indicator Light: The pendant receiver requires an earpiece (such as the neck induction loop, shown) with a 3.5mm plug (miniplug). Once the plug is inserted in the jack, the receiver is operational. A blue indicator light will illuminate to show the receiver is powered on along with the channel that it is tuned to. (Note: both lights will illuminate when stereo mode is selected).

7 – Neck Lanyard: Fabric adjustable lanyard with easy-release connector can be used in place of the built-in clip found on back of unit. This helps keep the receiver elevated and in line of sight of the emitter.

8 – Channel Selector: The recessed selector button toggles to one of three positions: (1) for 2.3 MHz, (2) for 2.8 MHz, or (S) for Stereo. *Note: Do not use Channel S for monaural earpieces and neck induction loops. In the stereo setting, the plug is wired with the tip (left positive), ring (right positive) and sleeve (ground).*

TROUBLESHOOTING

Symptom	Cause/Remedy
Only white noise or static is heard in the receiver	Receiver is not receiving the infrared transmission <i>Make sure...</i> ...the photo cell on the receiver is in direct view of the emitter panel ...power supply is powered (the red LED on the emitter panel should light when transmitter is OFF) ...transmitter is powered (the red LED should flicker out and the green LED on the emitter panel should light) ...cable is not interrupted or crossed
No static and no audio in the receiver	The receiver is not powered or the infrared light is being received with no audio signal "on its back" <i>Make sure...</i> ...the volume on the receiver is turned up ...the receiver battery is charged and secured firmly in place ...the audio input is plugged into the transmitter and functioning properly ...the volume on the transmitter is turned up
Signal is received but with some static in the receiver	The infrared signal is too weak or high levels of infrared light are interfering with the transmission <i>Make sure...</i> ...emitter is in direct view of the receiver ...sunlight or intense light is not shining on the photo cell of the receiver ...energy saving fluorescent or neon light is being used

Symptom	Cause/Remedy
Signal is intermittent or the sound begins to fade	The battery is no longer holding an adequate charge Make sure... ...the battery is charged or use a new battery

SERVICE OR REPAIRS

Contact Sound Associates' Customer Service Department at 888-772-SOUND (7686) 10:00-5:30 Monday through Friday for any service or repairs.

TECHNICAL SPECIFICATIONS

Modulation:	2.3 MHz (channel 1) 2.8 MHz (channel 2) Stereo (left ear ch.1, right ear ch.2)
Infrared Wave Length:	880 – 1200 nm
Output:	Approx. 0.6V
Frequency Response:	100 Hz to 15 kHz
Operating time	Approximately 6 hours
Battery recharging time	Approximately 4 hours <i>Note: operating time may be reduced when using neck loop attachment</i>
Power Supply	3.7 V rechargeable lithium polymer battery 150 mAh
Dimensions:	2.75" x 2.25" x 1.25" deep
Weight:	1.8 oz. (2.5 with battery)
Power Indicator:	Blue LED on top of unit

ACCESSORIES

Battery Chargers

SA1905-03 – Drop-in battery charger (1 cradle position, 2 additional slide slot positions)
SA1930 – Drop-in battery charger (10 cradle positions, 20 additional slide slot positions)

Earpieces

SA1520NIL – Neck induction loop
SA600E – Ear surround earpiece

WARRANTY

The SA1532P receiver and the SA1505 rechargeable battery 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.