



# SOUND ASSOCIATES, INC.



## SA1542H - 2-Channel/Stereo Infrared Receiver

user selectable to 2.3 MHz, 2.8 MHz or Stereo

## SA1531H - Single-Channel Infrared Receiver

receiver frequency: 2.3 MHz

Sound Associates manufactures two types of wireless stethoscope-style headset receivers designed for professional applications: the SA1541H (single-channel) and SA1542H (2-channel/stereo). Our headsets are equipped with a sophisticated receiving circuitry with multiple receiving diodes to increase sensitivity. Also, high-performance micro speakers are utilized to give the user remarkable audio reproduction.

The SA1540 series headsets are compatible with most infrared transmission systems currently in use. They are designed with a new industrial-strength chassis for added durability in commercial applications. Its advanced mechanical design ensures years of trouble-free use, while making the headset comfortable to wear.

The SA1541H is designed to receive a frequency modulation of 2.3 MHz, while the SA1542H is switchable between 2.3 MHz, 2.8 MHz and stereo operation. The receivers are worn under the chin, stethoscope-style and are powered by a light weight lithium polymer rechargeable battery, designed especially for the Sound Associates' line of receivers.

## FEATURES

Automatically powers on when worn

Lithium Polymer battery for quick recharging and light weight

ADA compliant 3.5 mm mono audio output for hearing aid accessories

Automatic mute when no infrared signal is present

Recessed low light level indicator and audio tone alerts when battery power is low.

Multiple receiving diodes and IR transparent case for wider scope of coverage and greater sensitivity.

Two selectable channels for multi-language interpretation, secondary audio or stereo applications.

Commercial grade casing for extra durability.

Removable rechargeable battery for quick and easy distribution.

Removable rubber or foam ear tips for easy cleaning.

Slide volume and channel selection for simple operation.

Full one-year warranty.



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All Sound Associates headset receivers include rubber eartips and (1) rechargeable SA1505 battery. Neck Induction Loop sold separately.

## Technical Specification:

	<b>SA1541H</b>	<b>SA1542H</b>
Modulation	2.3 MHz FM +/- 50 kHz deviation	Ch. 1: 2.3 MHz FM +/- 50 kHz deviation Ch. 2: 2.8 MHz FM +/- 50 kHz deviation Ch. 3: Stereo (L: 2.3 MHz: R: 2.8 MHz)
Infrared Wavelength	880 - 1200 nm	880 - 1200 nm
Output	116 dB SPL @ 1 kHz	116 dB SPL @ 1 kHz
Frequency Response	200 Hz - 6 kHz (-3 dB)	200 Hz - 6 kHz (-3 dB)
Operation time (fully charged battery)	Approx 6 hours	Approx 6 hours
Charging Time	Approx 4 hours	Approx 4 hours
Battery	3.7 V Lithium Polymer 150 mAh	3.7 V Lithium Polymer 150 mAh
Dimension open	5.25" x 8.25" x 0.875" deep	5.25" x 8.25" x 0.875" deep
Weight	1.7 oz (2.4 oz. with battery)	1.7 oz (2.4 oz. with battery)
Audio Output Jack	3.5 mm jack	3.5 mm jack
Channel Indicator	LED Flash and Audio Tone	LED Flash and Audio Tone
"No Signal" Indicator	Audio tone when squelch enabled or white noise when squelch disabled	Audio tone when squelch enabled or white noise when squelch disabled
Power	Automatic On when open	Automatic On when open

## Accessories:

SA1505	Rechargeable lithium polymer battery (included)	SA1905-3	Smart Charger: 3 position battery charger
SA1930	Smart Charger: 10 position battery charger	SA1520ST010	Silicone ear tips: pair (10 pack)
SA1520ST	Silicone ear tips: pair (included)		

## Warranty

The SA1540 series headset/receivers and the SA1505 rechargeable battery are covered by a full one-year warranty, from the original date of purchase, against defects in workmanship or materials. If either component fails due to defects in craftsmanship or materials, we will repair or replace the component without charge. The factory warranty does not cover malfunctions due to abuse or operation other than specified.