

RX-1A RECEIVER

ASSISTIVE LISTENING SYSTEMS



Each RX-1A Receiver includes a wrist strap, belt/pocket clip and single earbud

PRODUCT OVERVIEW

Gentner's RX-1A Receiver is designed with the listener in mind. Its small, elegant design enables the listener to focus on the content of the presentation, not the assistive listening device. The attractive design is accentuated by its ease of use. All operation is done with one ON/OFF/VOLUME control which is especially useful for the elderly or those with physical disabilities. The receiver is tunable to any FCC approved assistive listening channel allowing you to stock only one type of receiver instead of separate receivers for each channel. Gentner also provides a variety of accessories for the receiver that can be used with or without a hearing aid.

The receiver's high level of sensitivity allows audience members to sit wherever they choose, even in large auditoriums or stadiums. Unlike infrared systems that are difficult to use in brightly lit environments, the RX-1A FM Receiver is perfect for outdoor or indoor applications. In

addition, the RX-1A may be concealed without regard for the line of sight restriction of infrared systems.

For classroom and other applications that require extended battery life, the RX-1A is the perfect fit. While other receivers use short life 9-volt batteries, the RX-1A can run on a single set of AA batteries for 60 hours or longer.

APPLICATIONS

- Theatrical productions, such as the opera, ballet, symphony and plays
- Concerts in auditoriums or stadiums
- Lectures in convention centers
- Sporting events
- Movies
- Church services
- Outdoor events

FEATURES/BENEFITS

- Wide area FM system, works outdoors, in bright light with no line of sight restrictions
- Extra-long battery life (60+ hours), uses two AA batteries
- Elegant, simple design makes it easy to use by virtually anyone. Large ON/OFF/VOLUME control, Power LED indicating power is ON and batteries are charged
- High power output stage (140 mW) provides superior audio quality
- Convenient and easy to carry, built in belt/pocket clip, wrist strap and single earbud included
- Field tunable to all FCC approved assistive listening channels. no factory service or additional parts required to change channels



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SPECIFICATIONS

Physical Dimensions: 2.63"W x 3.50"H x 0.75"D 6.68 cm x 8.89 cm x 1.91 cm	RF Frequency Range: Tunable, 72-76MHz
Weight: 4 oz. (113.4 g.) dry	Sensitivity: 0.6uV typical, 1uV max for 12dB SINAD
Type: FM, medium bandwidth (50kHz)	Controls: ON/OFF/VOLUME, tuning (hidden)
Audio Frequency Range: 100-10,000Hz	Earphone Jack: Standard 3.5 mm mono
Audio Output Level: 140mW into 320hms	Power Requirements: 2 x AA size batteries
Signal to Noise Ratio: >60dB	Battery Life (Typical): 60 hours with alkaline types
Distortion: <2%	



Two RX-1A Receivers shown here with the TX-37A Transmitter, the core of Gentner's Assistive Listening Systems. A complete line of accessories is available to personalize your system.

ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The receiver shall operate in the 72-76 MHz Auditory Assistance Band as approved by the FCC. It shall be continuously tunable by a concealed control over that band. It shall have an I.F. acceptance of 50 kHz with AFC function for long-term frequency stability. Audio frequency response shall be 100-10,000 Hz.

The receiver shall be housed in a high-strength, plastic case with integral pocket clip. The ON/OFF/VOLUME control shall be properly marked and the only control that is exposed. There shall be a

standard 1/8" mono headphone jack for audio output. The jack shall be recessed to provide stress protection for the headphone plug. The receiver shall provide an audio output of 140 mW into a 32 Ohm load. The receiver shall operate on two standard AA batteries, and contain built-in recharging contacts for operation with rechargeable batteries and a suitable drop-in recharger.

The Gentner RX-1A receiver is specified.



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