



RX-1A Receiver Receivers

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.



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

Features and Benefits

- Wide area FM system works outdoors or 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 (140mW) 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

Applications

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

Specifications

Dimensions (LxDxH)

2.63" x 0.75" x 3.50"
6.68 x 1.91 x 8.89 cm

Weight

4 oz/113.4 g (dry)

Type

FM, medium bandwidth (50kHz)

Audio Frequency Range

100Hz–10kHz

Audio Output Level

140mW into 32 Ω

Signal to Noise Ratio

>60dB

Distortion

<2%

RF Frequency Range

Tunable, 72–76MHz

Sensitivity

0.6 μ V typical, 1 μ V max for 12dB
SINAD

Controls

On/Off/Volume,
Channel Tuning (hidden)

Earphone Jack

Standard 3.5 mm mono

Power Requirements

2 AA batteries

Battery Life (Typical):

60 hours with alkaline types



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.

A&E Specifications

The receiver shall operate in the 72–76MHz 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 50kHz with AFC function for long-term frequency stability. Audio frequency response shall be 100Hz–10kHz.

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 140mW into a 32 Ω 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.