

# RX - 6 RECEIVER

## ASSISTIVE LISTENING SYSTEMS



Each RX-6 Receiver includes a single earbud, belt/pocket clip, and wrist strap



### PRODUCT OVERVIEW

The Gentner RX-6 Assistive Listening Receiver is designed with six user-selectable channels. The RX-6 provides the best sound quality for hearing assistance when used with matching Gentner assistive listening transmitters. It may also be used with other FM assistive listening transmitters.

With a choice of six pre-set channels, the user can easily change channels in a variety of situations. It is especially well suited for moving between school classes, attending meetings in different languages, use in multi-room movie theatres, and similar applications. The receiver is tunable to all available assistive listening channels. No crystals or plug-in modules are needed to tune the receiver. All of the channels can be quickly re-tuned.

The RX-6 uses standard low-voltage AA batteries for extended battery life over older designs that require less efficient 9-volt batteries. The exterior packaging is attractive, comfortable to hold or place in a pocket, and is durable to withstand daily use.

A wide range of accessories are available for the RX-6 including a variety of earbuds and earphones to suit most every hearing need.

### APPLICATIONS

- Classroom situations where the student must travel from room to room
- Theatrical productions such as the opera, ballet, symphony and plays
- Movie theatres, where there are several movies playing at the same time
- Lectures in convention centers
- Church services
- Outdoor events such as sports

### FEATURES/BENEFITS

- Wide area FM system works outdoors, in bright light, with no line of sight restrictions
- Six channels (user-selectable) no re-tuning for up to six locations
- 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
- Convenient and easy to carry, built-in belt/pocket clip, wrist strap and single earbud included
- High power output stage (140 mW) for superior audio quality
- The six pre-set channels are field tunable to all FCC approved assistive listening channels no factory service or additional parts required to change channels



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## ASSISTIVE LISTENING SYSTEMS

### 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

#### Weight:

2.2 oz. (4.5 oz. with earphone and alkaline batteries)

#### Type:

FM, medium bandwidth (50kHz)

#### Audio Frequency Range:

100-10,000Hz

#### Audio Output Level:

140mW into 320ohms @ 10% THD

#### Signal to Noise Ratio:

>60dB @ 1mV

#### Distortion:

<2%

#### RF Frequency Range:

Six selectable channels:  
Ch 1-3 tunable, 72-73MHz;  
Ch 4-6 tunable, 74-76MHz

#### Sensitivity:

0.6uV typical, 1uV max for 12dB  
SINAD

#### Controls:

ON/OFF/VOLUME, tuning (hidden)

#### Earphone Jack:

Standard 3.5 mm mono

#### Power Requirements:

Two standard AA batteries

#### Battery Life (Typical):

60 hours with alkaline types



Any of the six channels may be selected simply by moving the thumbwheel.

### ARCHITECTURAL & ENGINEERING SPECIFICATIONS

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

The RX-6 shall have a thumbwheel switch to select any of six channels in the Auditory Assistance Band. Each of the six channels shall be individually tunable via an internal control.

The receiver shall be contained in a simple, high-strength plastic case with integral pocket clip. Only the ON/OFF/VOLUME and channel control

shall be 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 320hm 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-6 is specified.



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