



Digital-1 Receiver Receivers

Gentner's Digital-1 Receiver is designed with the listener in mind. It is small, attractive, durable, easy to use, and provides excellent audio for hearing-impaired people.

The Digital-1 Receiver is designed with the flexibility of a tunable system and the enhancement of a digital tuning processor. Rather than just increasing the volume, it makes the audio more intelligible. The digital-tuning processor ensures the receiver will stay locked on to a particular frequency regardless of normal changes in humidity, temperature, or rough handling.

The Digital-1 Receiver's FM design and high level of sensitivity allows flexibility not found in infrared (IR) systems. Audience members may sit wherever they choose, even in large auditoriums or stadiums. It is perfect for indoor and outdoor applications and does not require line of sight to the transmitter.

For classroom and other applications that require extended battery life, the Digital-1 Receiver is the perfect fit. While other receivers use short life 9-volt batteries, the Digital-1 Receiver can run on a single set of AA batteries for 40 hours or longer.

All operation is done with one easy to use On/Off/Volume dial control which is especially useful for the elderly or physically impaired. A wide variety of accessories are available for the Digital-1 Receiver that may be used with or without a hearing aid.



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

Features and Benefits

- Digitally tuned to lock on to desired frequency
- Wide area FM system, works outdoors, in bright light with no line of sight restrictions
- Extra-long battery life (40+ 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

- Live Theatre
- Stadiums
- Auditoriums
- Convention Centers
- Movie Theatres
- Houses of Worship
- Outdoor Events

Specifications

Physical 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 (60kHz)

Audio Frequency Range

100Hz-10kHz

Audio Output Level

140mW into 32 Ω

Signal to Noise Ratio

>55dB

Distortion

<2%

RF Frequency Range

37 Channels, 72-76MHz

Sensitivity

0.8uV typical, 1mV max for 12dB
SINAD

Controls

On/Off/Volume, channel selector
(hidden)

Earphone Jack

Standard 3.5 mm Mono

Power Requirements

2 x AA batteries

Battery Life (Typical)

40 hours with alkaline types



The Digital-1 Receivers, shown here with the TX-37A Transmitter, are 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 60kHz with AFC function for long-term frequency stability. Audio frequency response shall be 100Hz-10kHz.

The Digital-1 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 Digital-1 Receiver is specified.