

DIGITAL-1 RECEIVER

ASSISTIVE LISTENING SYSTEMS



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

PRODUCT OVERVIEW

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.

Gentner's Digital-1 Receiver is designed with the flexibility of a tunable system and the enhancement of a digital tuning processor. The Digital-1 Receiver provides enhanced audio to hearing impaired users. 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.

APPLICATIONS

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

FEATURES/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 (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

 **Gentner**[®]

1 . 8 0 0 . 9 4 5 . 7 7 3 0
1 . 8 0 1 . 9 7 5 . 7 2 0 0

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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: 37 Channels, 72-76 MHz
Weight: 4 oz. (113.4 g.) dry	Sensitivity: 0.8uV typical, 1mV max for 12dB SINAD
Type: FM, medium bandwidth (60kHz)	Controls: ON/OFF/VOLUME, channel selector (hidden)
Audio Frequency Range: 100-10,000Hz	Earphone Jack: Standard 3.5 mm Mono
Audio Output Level: 140mW into 32Ohms	Power Requirements: 2 x AA batteries
Signal to Noise Ratio: >55dB	Battery Life (Typical): 40 hours with alkaline types
Distortion: <2%	



Two Digital-1 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 60 kHz with AFC function for long-term frequency stability. Audio frequency response shall be 100-10,000 Hz.

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 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 Digital-1 Receiver is specified.



Gentner Communications Corporation
1825 Research Way
Salt Lake City, UT 84119 USA

1.800.945.7730
1.801.975.7200

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www.gentner.com

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