

# FM Tour Guide Receiver, Model TGS R7

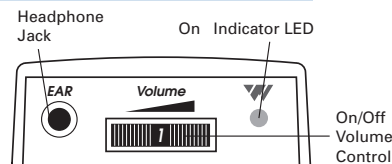
## Description:

The TGS R7 is a single-channel, body-pack style receiver and is compatible with any Williams Sound FM Tour Guide Receiver® transmitter operating on 72-76 MHz bandwidth. The TGS R7 features an impact-resistant casing and a belt clip for hands-free operation. Each receiver is pretuned, and field adjustable by internal tuning coil. A 3.5 mm mono phone jack accommodates low-impedance mono earphones, headphones and neckloop telecoil couplers. The 3.5 mm phone jack conveniently serves as a charging jack for rechargeable batteries.

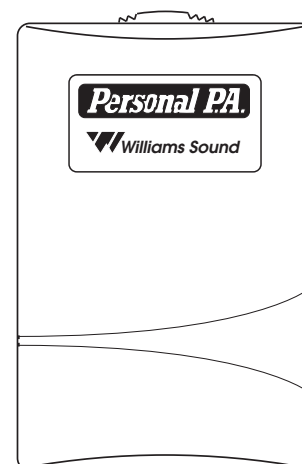
## PPA R7 Receiver:

<b>Dimensions &amp; Weight:</b>	3-5/8" L x 2-3/8" W x 7/8" H (92.1 mm x 60.3 mm x 22.2 mm); 3.2 oz (90 g) with battery
<b>Color:</b>	Gray
<b>Battery Type:</b>	9 Volt, Eveready 522 Alkaline or BAT 003 Ni-Cad
<b>Battery Drain:</b>	14 mA, nominal
<b>Battery Life:</b>	32 hours with Eveready 522, 6 hours/charge with BAT 003
<b>FCC ID:</b>	CNM R7
<b>Operating Frequency:</b>	Pre-tuned, adjustable, 72 MHz-76 MHz *
<b>Intermediate Frequency:</b>	75 KHz
<b>FM Deviation:</b>	75 KHz wideband
<b>De-Emphasis:</b>	75 uS
<b>AFC Range:</b>	± 300 KHz
<b>Sensitivity:</b>	2 µV at 12 dB Sinad with squelch defeated
<b>Squelch:</b>	Squelches at 10 µV for minimum 50 dB S/N ratio
<b>Input Overload:</b>	20 mV
<b>Frequency Response:</b>	100 to 10 KHz, ± 3 dB
<b>Signal-to-Noise Ratio:</b>	50 dB at 10 µV
<b>Receive Antenna:</b>	Integral with earphone/headphone cord
<b>Audio Output:</b>	250 mW, max. at 16 Ohms
<b>Output Connector:</b>	3.5 mm mini phone jack, also serves as a charging jack for rechargeable battery
<b>Headphone:</b>	Lightweight, mono, 3.5 mm plug, 16 Ω
<b>Warranty:</b>	5 years, parts and labor (90 days on accessories)

\*Note: FCC rules limit the use of the 72-76 MHz band to hearing assistance for the hand-capped only. Other frequencies are available that do not have this use restriction.



TGS R7 Top



TGS R7 Front

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE!

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## Bid Specs:

The receiver shall be housed in an impact resistant plastic case with a hinged battery door that does not separate from the receiver. The receivers shall be a body-pack type and include a belt-clip case for hands-free operation. The receiver shall have a 3.5 mm mono phone jack and accommodate low-impedance mono earphones, headphones and neck-loop telecoil couplers. The 3.5 mm phone jack shall also serve as a charging jack for rechargeable batteries.

Receiver frequencies shall be pre-tuned and adjustable by means of an internal tuning coil. A four-channel receiver model shall be available for use with the system.

The receivers shall receive FM signals in the 72-76 MHz audio assistance band with 75  $\mu$ S de-emphasis. The receivers shall provide a maximum output of 250 mW at 16 ohms with an earbud-type earphone. The system electrical frequency response shall be 100 Hz to 10 kHz,  $\pm$ 3 dB and the signal-to-noise ratio shall be 50 dB at 10  $\mu$ V.

The receiver shall be covered by a five-year parts and labor warranty, excluding earphones, headphones, batteries and chargers. The receiver model shall be the Williams Sound Corp. model TGS R7.

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# FM Tour Guide Receiver, Model TGS R7

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