

PERSONAL PA[®] Receiver, Model R30

Description:

The PPA R30 Receiver is a single-channel, FM, wideband receiver operating on the 72-76 MHz bandwidth. This low-cost, easy-to-use receiver includes two AA batteries for 80 hours of long-lasting operation. It features a volume control/on/off dial, earphone/charging jack, and LED power indicator.

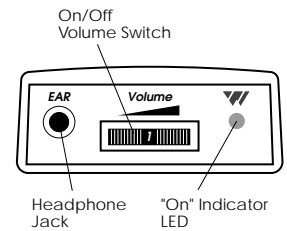


Applications:

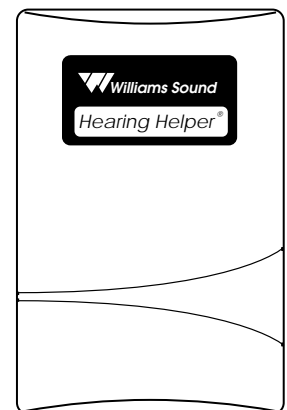
Churches, schools, auditoriums, museums, conferences, tour groups.

Specifications:

Dimensions:	3-5/8" L x 2-3/8" W x 7/8" H (92.1 mm x 60.3 mm x 22.2 mm)
Weight:	4.6 oz (130 g) with batteries
Color:	Gray
Battery Type:	Two (2) AA 1.5 V non-rechargeable Alkaline batteries (BAT 001), 14 mA nom. current drain, 80 hours approx. life (OR) Two (2) AA 1.5 V NiMH rechargeable batteries (BAT 026), 14 mA nominal current drain, 50 hours per charge approx., recharges in 14-16 hours, uses CHG 1600 Charger or CHG 200 Charger
FCC ID:	CNM R30
Industry Canada Cert.:	13601021234
Operating Freq.:	Pre-Tuned, Adjustable, 72 MHz - 76 MHz *
Intermediate Freq.:	75 kHz
FM Deviation:	75 kHz
De-Emphasis:	75 μ S
AFC Range:	\pm 120 kHz
Sensitivity:	4 μ V at 12 dB Sinad with squelch defeated
Input Overload:	20 mV
Frequency Response:	100 - 10 kHz, \pm 3 dB
Signal-to-Noise Ratio:	50 dB at 10 μ V
Receive Antenna:	Integral with earphone/headphone cord
Audio Output:	35 mW, max. at 16 Ω
Output Connector:	3.5 mm mono phone jack
Earphone:	Earbud-type with foam cushion, 3.5 mm plug, 32 Ω
Warranty:	Five Years, Parts and Labor. 90 days on cords, earphones, headphones, batteries and other accessories
Notes:	The R30 Receiver can be field tuned to any of 10 wideband channels using the PLT 005 Tuning Tool.



R30 Top



R30 Front

* FCC Rules limit the use of the 72-76 MHz band to hearing assistance for the handicapped only.



Bid Specs

The R30 receiver shall be encased in a gray, polypropylene impact-resistant plastic with a single hinged door for battery installation. The receiver shall be a body-pack type and include an optional 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 neckloops telecoil couplers. The receiver shall have a combination volume control and power on/off rotator dial, and a green LED power "on" indicator. The receiver shall be pre-tuned to one of 10 available channels from 72-76 MHz and field adjustable by internal tuning coil. The receiver shall operate up to approx. 80 hours when using 1.5 V AA Alkaline batteries, and shall operate up to approx. 50 hours when using 1.5 V NiMH rechargeable AA batteries.

The receiver shall receive FM signals in the 72-76 MHz audio assistance band with 75 μ S de-emphasis. The receiver shall provide a maximum output of 35 mW at 16 Ohms with an earbud-type earphone. The system's 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 μ V. The receiver shall have a sensitivity of 4 μ V at 12 dB Sinad.

The receiver shall be covered by a five years parts and labor warranty, excluding earphones, headphones, batteries, and chargers. The receiver model shall be the Williams Sound Corp. model PPA R30.