

# Personal PA™ FM Receiver • Model PPA R35



## Description:

The stylish, impact-resistant R35 single-channel receiver is compatible with any Williams Sound Personal PA transmitter operating on the 72-76 MHz bandwidth. The PPA R35 includes two AA alkaline batteries for 100 hours of long-lasting operation. It features a volume control/on/off dial, ear-phone jack and LED power indicator.

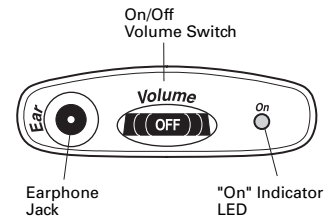
## Applications:

- Churches • Schools • Auditoriums • Conference Rooms • Theaters

## PPA R35 Receiver

Dimensions:	4.1" L x 2.85" W x 1.2" H (104.1 mm x 72.4 mm x 30.4 mm)
Weight:	4.5 oz (127 g)
Color:	Gray
Battery Type:	Two (2) AA non-rechargeable alkaline batteries (BAT 001), approx. 100 hours battery life or Two (2) AA rechargeable NiMH batteries (BAT 026), 1400 mAh, approx 56 hours battery life
Current Consumption:	Nominal 40 mA
Operating Freq.:	Pre-tuned, adjustable, 72 MHz-76 MHz *
Intermediate Freq.:	75 kHz
FM Deviation:	75 kHz
De-Emphasis:	75 µS
LED Indicator:	Power: Green; Low Battery: Red
AFC Range:	± 120 kHz
Sensitivity:	2 µV at 12 dB Sinad with squelch defeated
Input Overload:	20 mV
Frequency Response:	100 – 15 kHz, ± 3 dB
Signal-to-Noise Ratio:	65 dB at 10 µV
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
Notes:	The R35 Receiver can be field tuned to any of 13 wideband channels using the PLT 005 Tuning Tool.
Approvals:	FCC, Industry Canada, RoHS, WEEE
Warranty:	Five years, parts and labor. 90 days on cords, earphones, headphones, batteries and other accessories

Note: \*FCC rules limit the use of the 72–76 MHz band to hearing assistance for the handi-capped only.



R35 Top



R35 Front

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE!

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## Bid Specs:

The R35 receiver shall be encased in a gray, polycarbonate impact-resistant plastic with a hinged door for battery installation. The receiver shall be a body-pack type and include a detachable belt-clip 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 LED power "on" indicator shall illuminate red to indicate low battery power. There shall be a screwdriver adjustable tuning pot accessible through the battery door. There shall be a slide selection switch located through the battery door for choosing Alkaline or NiMH battery operation. There shall be drop-in charger contacts on the bottom of the receiver unit. The receiver shall be pre-tuned to one of 13 available channels from 72-76 MHz and field adjustable by internal tuning coil. The receiver shall operate up to approx. 100 hours when using 1.5 V AA Alkaline batteries, and shall operate up to approx. 50 hours when using 1.5V NiMH rechargeable AA batteries.

The receiver shall receive FM signals in the 72-76 MHz audio assistance band with 75  $\mu$ 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 15 kHz,  $\pm$  3 dB and the signal-to-noise ratio shall be 65 dB at 10  $\mu$ V. The receiver shall have a sensitivity of 2 $\mu$ 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 R35.

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