

# Personal PA™ FM Receiver, Model PPA R35

## Description:

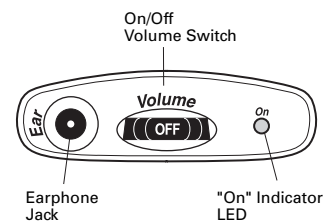
The stylish, impact-resistant R35 single-channel receiver is compatible with any Williams Sound Personal PA transmitter operating on the 72-76 MHz bandwidth. The PPA R35 includes two AA alkaline batteries for 100 hours of long-lasting operation. It features a volume control/on/off dial, earphone jack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

## Applications:

• Churches • Schools • Auditoriums • Conference Rooms • Theaters

### PPA R35 Receiver:

|                               |   |
|-------------------------------|---|
| <b>Dimensions:</b>            | 4.1" L x 2.85" W x 1.2" H (104.1 mm x 72.4 mm x 30.4 mm)  |
| <b>Weight:</b>                | 4.5 oz (127 g)  |
| <b>Color:</b>                 | Gray  |
| <b>Battery Type:</b>          | Two (2) AA non-rechargeable alkaline batteries (BAT 001), approx. 100 hours battery life or<br>Two (2) AA rechargeable NiMH batteries (BAT 026), 1400 mAh, approx 56 hours battery life |
| <b>Current Consumption:</b>   | Nominal 40 mA   |
| <b>FCC ID:</b>                | CNM R35   |
| <b>Industry Canada Cert.:</b> | 1360A-R35   |
| <b>Operating Freq.:</b>       | Pre-tuned, adjustable, 72 MHz-76 MHz *  |
| <b>Intermediate Freq.:</b>    | 75 kHz  |
| <b>FM Deviation:</b>          | 75 kHz  |
| <b>De-Emphasis:</b>           | 75 µS   |
| <b>LED Indicator:</b>         | Power: Green; Low Battery: Red  |
| <b>AFC Range:</b>             | ± 120 kHz   |
| <b>Sensitivity:</b>           | 2 µV at 12 dB Sinad with squelch defeated   |
| <b>Input Overload:</b>        | 20 mV   |
| <b>Frequency Response:</b>    | 100 – 15 kHz, ± 3 dB  |
| <b>Signal-to-Noise Ratio:</b> | 65 dB at 10 µV  |
| <b>Receive Antenna:</b>       | Integral with earphone/headphone cord   |
| <b>Audio Output:</b>          | 35 mW, max. at 16 Ω   |
| <b>Output Connector:</b>      | 3.5 mm mono phone jack  |
| <b>Earphone:</b>              | Earbud-type with foam cushion, 3.5 mm plug, 32 Ω  |
| <b>Notes:</b>                 | The R35 Receiver can be field tuned to any of 13 wideband channels using the PLT 005 Tuning Tool.   |
| <b>Warranty:</b>              | Five years, parts and labor. 90 days on cords, earphones, headphones, batteries and other accessories   |



R35 Top



R35 Front

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

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 1.5 V 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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