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## FM SPECIFICATION DATA

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# PPA R35-8

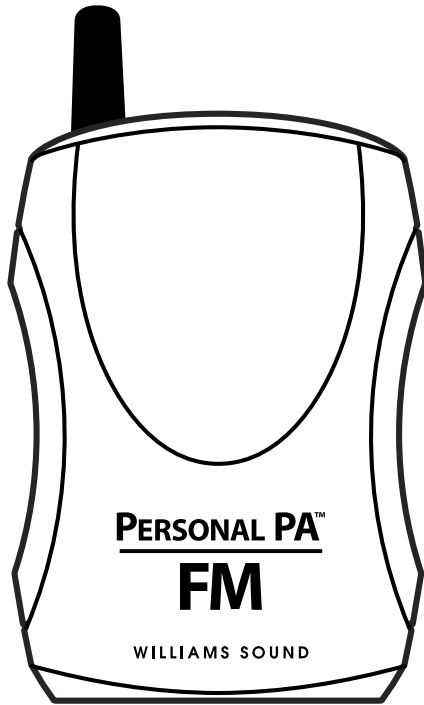
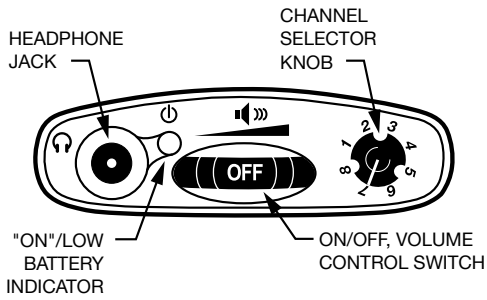
Personal PA<sup>®</sup> Multi-channel FM Receiver



The PPA R35-8 FM receiver can operate up to eight channels simultaneously when used with any Williams Sound Personal PA transmitter operating on the 72-76 MHz bandwidth. The PPA R35-8 features crystal clear audio, and is digitally synthesized for stable tuning. Each unit is built in a rugged impact-resistant case, and will operate up to 50 long-lasting hours on two AA alkaline batteries (not included). It also features an integral volume on/off control, LED power and low battery indicator, channel selection knob and earphone jack. When AA NiMH rechargeable batteries are installed (not included), up to 12 units can be charged at one time when used with the optional CHG 3512 multi-charger.

# Personal PA<sup>®</sup> Multi-channel FM Receiver

## PPA R35-8 Receiver



A220

<b>Dimensions:</b>	4.5" H x 2.85 W x 1.2" D (115 mm x 72 mm x 30 mm)
<b>Weight:</b>	4.6 oz (130 g)
<b>Color:</b>	Black
<b>Battery Type:</b>	Two (2) AA non-rechargeable alkaline batteries (BAT 001), approx. 50 hours battery life or Two (2) AA rechargeable NiMH batteries (BAT 026), 1400 mAh, approx 32 hours battery life
<b>Current Consumption:</b>	Nominal 40 mA
<b>Operating Freq:</b>	72-76 MHz*: 8 channels: 72.1, 72.3, 72.6, 72.8, 74.7, 75.4, 75.7, or 75.9 MHz. All Channels Not Available on the PPA T20 Transmitter
<b>Intermediate Freq:</b>	10.7 MHz
<b>FM Deviation:</b>	+/- 75 kHz
<b>De-emphasis:</b>	75 uS
<b>LED Indicator:</b>	Power: Red. Low Battery: Flashes
<b>Sensitivity:</b>	2 uV at 12 dB SINAD with squelch defeated
<b>Input Overload:</b>	20 mV
<b>Frequency Response:</b>	40 Hz to 15 kHz +/- 3 dB
<b>Signal to Noise ratio:</b>	60 dB at 100 uV
<b>Receive Antenna:</b>	Integral with earphone/headphone cord
<b>Audio Output:</b>	35 mW, max 16 ohm load
<b>Output Connector:</b>	3.5 mm mono phone jack
<b>Squelch:</b>	Located inside battery door. Factory set for 25 dB S/N. Squelch may be set with JFD-7104-5 from Sprague Goodman or any flat tipped tuning tool with tip size .095 X .016
<b>Notes:</b>	The R35-8 is NOT field tunable. The eight channels have been carefully selected to inhibit inter-modulation interference. Channel frequencies are 72.1, 72.3, 72.6, 72.8, 74.7, 75.4, 75.7, and 75.9 MHz.
<b>Approvals:</b>	FCC, Industry Canada, RoHS, WEEE
<b>Warranty:</b>	Lifetime PLUS Limited Warranty, 90 Days on most accessories.

# Personal PA® Multi-channel FM Receiver

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## **Bid Specs:**

The PPA R35-8 shall be a digitally synthesized eight channel receiver. The receiver shall be encased in a black PC/ABS plastic with a hinged door on the back 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 telecoil couplers. The receiver shall have a combination volume control and power on/off rotator dial, an eight-position channel select knob and a red power LED on the top bezel. The power LED will flash to indicate low battery. There shall be a slide switch located inside the battery compartment to select between Alkaline or NiMH rechargeable battery operation. There shall be a squelch control located inside the battery door. There shall be drop-in charging contacts on the bottom of the receiver.

The receiver shall be pre-programmed to eight channels between 72 and 76 MHz. The receiver shall operate for up to 32 hours with two 1.5 volt AA NiMH rechargeable batteries and 50 hours on two 1.5 volt AA Alkaline batteries.

The R35-8 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 receiver shall accept a maximum wideband deviation of  $\pm$ 75 kHz. The system's electrical frequency response shall be 40 Hz to 15 KHz  $\pm$  3dB and the S/N ratio shall be 60 dB at 100  $\mu$ V. The receiver shall have a sensitivity of 2  $\mu$ V at 12 dB Sinad.

The receiver shall be covered by a Lifetime PLUS Limited Warranty, 90 Days on most accessories.

The receiver shall be the Williams Sound model PPA R35-8.