

# PPA R37-8

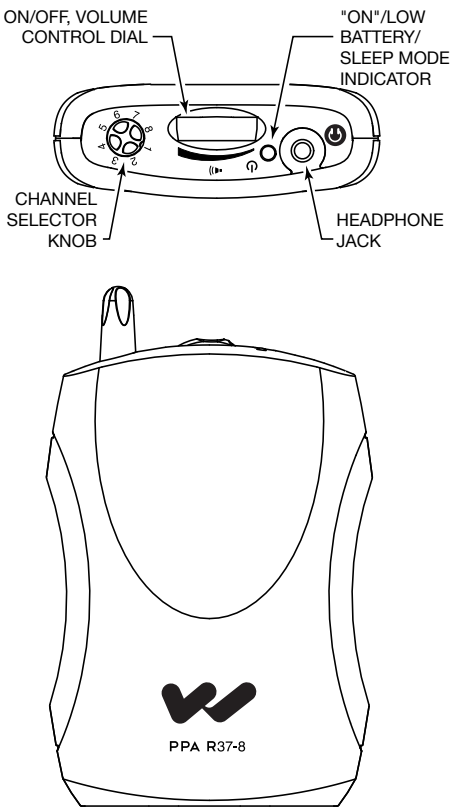
## 8-channel 72 MHz FM Receiver



The NEW PPA R37-8 FM receiver features 8 pre-set wideband frequencies between 72-76 MHz. All 8 channels have been frequency-allocated for simultaneous use - making it popular for language interpretation applications. Digitally synthesized for even greater audio clarity and stability, the PPA R37-8 also offers a battery-saving Sleep Mode. A versatile 3.5mm stereo/mono jack allows for a variety of earphone and headphone options, and is neckloop compatible to work with telecoil-equipped hearing aids. The stylish, impact-resistant PPA R37-8 receiver is compatible with any Williams Sound transmitter operating on the 72-76 MHz bandwidth. The PPA R37-8 includes two AA alkaline batteries for up to 50 hours of long-lasting operation.

# PPA R37-8 FM Receiver

## PPA R37-8 Receiver Specifications



|                        |                                                                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions:            | 4.1" x 2.85" x 1.38" (104 x 72 x 35 mm)                                                                                                                |
| Weight:                | 4.6 oz (130 g) with batteries. 2.6 oz (73 g) without batteries                                                                                         |
| Color:                 | Black                                                                                                                                                  |
| Battery Type:          | (2) AA Alkaline or<br>(2) x AA NiMH                                                                                                                    |
| Battery Life:          | Two AA non-rechargeable alkaline batteries (BAT 001-2), approx. 50 hrs, or<br>two AA rechargeable NiMH batteries (BAT 026-2), 1500 mAh, approx. 32 hrs |
| Current Consumption:   | 42 mA nominal                                                                                                                                          |
| Temperature Range:     | - 0 to 50 °C                                                                                                                                           |
| Channels:              | 8, accessed via rotary knob on top of unit                                                                                                             |
| Operating Frequencies: | 72.1, 72.3, 72.6, 72.8, 74.7, 75.4, 75.7, 75.9 MHz                                                                                                     |
| Modulation:            | FM, +/- 75 kHz peak deviation                                                                                                                          |
| De-Emphasis:           | 75 µS                                                                                                                                                  |
| LED Indicator:         | Power: Green; Low Battery: Flashes Green; Sleep mode: Fade-on,Fade-off                                                                                 |
| Sensitivity:           | 2 µV at 12 dB Sinad with squelch defeated                                                                                                              |
| Input Overload:        | 100 mV                                                                                                                                                 |
| Frequency Response:    | 200 – 15 kHz                                                                                                                                           |
| Signal-to-Noise Ratio: | 65 dB min @ 100 uV                                                                                                                                     |
| Receive Antenna:       | Integral with earphone/headphone cord                                                                                                                  |
| Audio Output:          | 35 mW max, peak into 16 Ω                                                                                                                              |
| Output Connector:      | 3.5 mm stereo/mono phone jack                                                                                                                          |
| Included Earphone:     | Earbud-type with foam cushion, 3.5 mm plug, 32 Ω                                                                                                       |
| Sleep Mode:            | Enters sleep mode after approximately 6 mins of no RF signal,<br>returns to normal operation when a transmitter is re-established on same<br>channel   |
| Approvals:             | FCC, Industry Canada, RoHS, WEEE                                                                                                                       |
| Warranty:              | Lifetime PLUS Limited Warranty (90 Days on most accessories)                                                                                           |

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE!

# PPA Select™ FM Receiver

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## Architectural/Engineering Specifications:

The receiver shall be encased in black, PC/ABS impact-resistant plastic with a hinged battery door.

The receiver shall be a body-pack style and include a detachable belt-clip for hands-free operation.

The receiver shall have a 3.5 mm stereo jack to accommodate stereo or mono, low impedance earphones, headphones and neckloops.

The receiver shall have a combination volume control with power on/off rotator dial. It shall have a green LED indicating battery and system status codes.

The receiver shall have access to 8 preset wideband channels between 72-76 MHz. Channel selection shall be made by rotating a channel selector knob.

The receiver shall have a slide switch inside the battery compartment to select disposable Alkaline or NiMH rechargeable battery operation. It shall have charger contacts on the bottom of the receiver for use with Williams Sound drop-in chargers CHG 3512 and CHG 3502.

The receiver shall operate up to 50 hours with two disposable AA Alkaline batteries (BAT 001-2) and up to 32 hours with two AA NiMH rechargeable batteries (BAT 026-2).

The receiver shall provide a maximum output of 35 mW at 16  $\Omega$  with an earbud type earphone. The receiver's audio frequency response shall be 200 Hz to 15 kHz  $\pm$  3 dB and the signal to noise ratio shall be 65 dB min. The receiver sensitivity shall be 2  $\mu$ V or better at 12 dB Sinad with squelch defeated. The receiver shall accept up to  $\pm$ 75 kHz FM deviation and have a 75  $\mu$ s de-emphasis time constant.

The receiver shall have FCC, Industry Canada approvals and be compliant with RoHS and WEEE regulations. The receiver shall be covered by a Lifetime PLUS Limited Warranty.

This receiver model shall be the Williams Sound model PPA R37-8.

## Domestic Sales

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