

## FM SPECIFICATION DATA

Houses of Worship • Schools • Auditoriums • Conference Rooms • Theaters

# PPA R38

## Personal PA® FM Receiver with Display



The newest addition to the Personal PA FM line - the stylish, new PPA SelectView™ FM receiver - is easy on the eyes and convenient to use. The high-res OLED screen presents a quick view of receiver status and immediate access to all user settings. The highlight: on-screen channel selection with easy access to 17 pre-set, wideband frequencies (72-76 MHz).

Digitally synthesized for exceptional audio clarity and stability, the ease of the PPA SelectView™ is apparent with its digital tuning, digital squelch and battery-saving sleep and auto-off modes. A stereo/mono jack adds compatibility with a variety of mono and stereo earphone/headphone options. A soft audio turn-on feature makes power-up or changing channels easy on the ears.

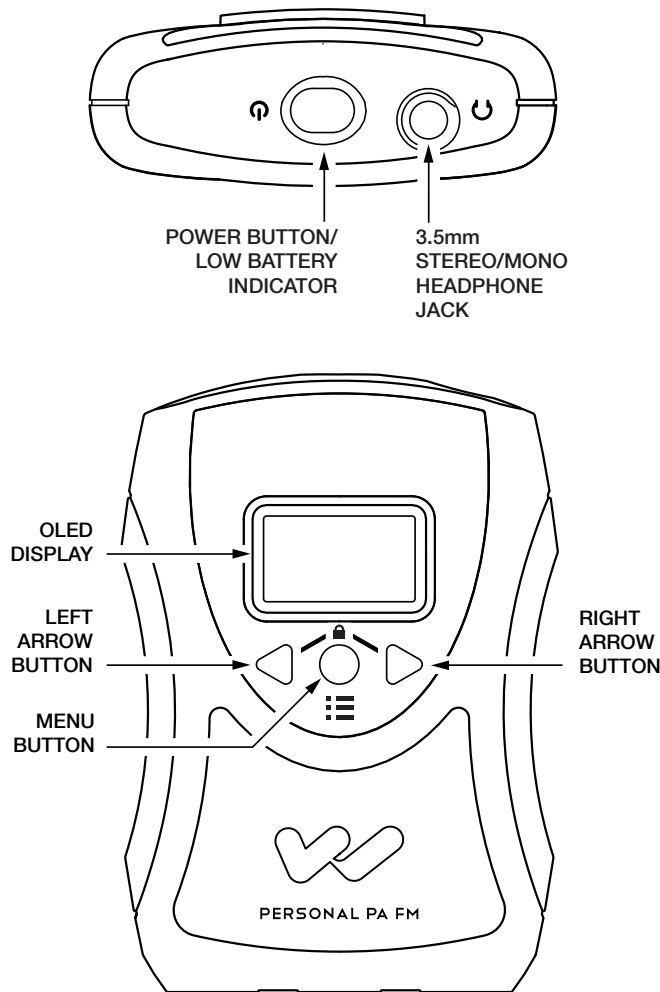
The PPA SelectView™ is rechargeable when used with NiMH AA batteries (compatible with the Williams Sound CHG 3512 and 3502 multi-bay chargers) -or- Alkaline AA batteries can also be used. And it's covered by our Lifetime PLUS Limited Warranty.

### Features / Benefits

- OLED high-resolution screen - easy to read and provides a quick view of receiver status.
- All user settings are accessible via the on-screen menu – including all 17 wideband channels.
- Stylish new design
- Now features *stereo* headphone jack
- Rechargeable or non-rechargeable batteries
- Digital Volume Control
- 4-step battery level indication
- Display shows channel number or frequency
- Step/seek function allows user to increment channel manually, or seek to the next active channel
- Sleep Mode/Auto-Off saves battery life
- Soft Audio Turn-On

# Personal PA<sup>®</sup> FM Receiver with Display

## PPA R38 Receiver



### 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 3.5mm stereo jack to accommodate stereo or mono low impedance earphones, headphones and neckloops. The receiver shall have a power button that is backlit indicating power is on. The receiver shall receive 17 preset wideband channels between 72-76MHz. Channel selection shall be made in the menu. The receiver shall have channel-lock capability.

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 35mW at 16 $\Omega$  with an earbud type earphone. The systems audio frequency response shall be 200Hz to 15kHz  $\pm$  3dB and the signal to noise ratio shall be 65dB min. The receiver sensitivity shall be 2 $\mu$ V or better at 12dB Sinad with squelch defeated. The receiver shall accept up to  $\pm$ 75kHz 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, 90 Days on most accessories.

This receiver shall be the Williams Sound model PPA R38.

# Personal PA<sup>®</sup> FM Receiver with Display

## PPA R38 Receiver

<b>Dimensions:</b>	4.1" x 2.85" x 1.38" (104 x 72 x 35mm)
<b>Weight:</b>	4.6oz (130g) with batteries. 2.6oz (73g) without batteries
<b>Color:</b>	Black/Silver. Black ABS Plastic case with Aluminum faceplate.
<b>Battery Type:</b>	(2) AA Alkaline or (2) AA NiMH Rechargeable
<b>Battery Life:</b>	(2) AA non-rechargeable alkaline batteries (BAT 001-2), approx. 50 hrs (2) AA rechargeable NiMH batteries (BAT 026-2), 1500mAh, approx. 32 hrs
<b>Current Consumption:</b>	47mA nominal at 2.4VDC
<b>Operating Temp. Range:</b>	32° – 122°F (0° to 50°C)
<b>Channels:</b>	17 Wideband, accessed via menu
<b>Operating Frequencies:</b>	72.1, 72.2, 72.3, 72.4, 72.5, 72.6, 72.7, 72.8, 72.9, 74.7, 75.3, 75.4, 75.5, 75.6, 75.7, 75.8, 75.9 MHz*
<b>FM Deviation:</b>	75 kHz
<b>De-Emphasis:</b>	75 µS
<b>Display Screen:</b>	1" OLED
<b>Power Indication:</b>	Power button, backlit green. Good battery strength - glows solid. Low battery - slow flashes. Error - fast flashes with 1 sec delay.
<b>Sensitivity:</b>	2 µV at 12 dB Sinad with squelch defeated
<b>Input Overload:</b>	100 mV
<b>Frequency Response:</b>	200 Hz – 15 kHz, ±3dB
<b>Modulation:</b>	FM, +/- 75 kHz peak deviation
<b>Signal-to-Noise Ratio:</b>	Minimum 65 dB @ 1.0V
<b>Receive Antenna:</b>	Integral with earphone/headphone cord
<b>Audio Output:</b>	35 mW max at 16 Ω
<b>Headphone Connector:</b>	3.5 mm stereo jack, mono output for stereo or mono earphones, headphones, or neckloops
<b>Power Save - Display Off/ Sleep Mode/Auto-Off:</b>	<b>Display Off:</b> 5, 30, or 60 seconds of no button pushes (adjustable in menu) <b>Sleep Mode:</b> 6 mins of no RF signal or button pushes; wakes up with RF Signal or any button push <b>Auto Off:</b> 2 hours of no RF signal or button pushes
<b>Soft Audio Turn-On:</b>	Upon Power ON or Channel Change, mutes audio, then ramps up 1 numeric step per 1/10th second until set volume is reached
<b>Approvals:</b>	FCC, Industry Canada, RoHS, WEEE
<b>Warranty:</b>	Lifetime PLUS Limited Warranty, 90 Days on most accessories.

### NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE!

This device complies with "RSS-Gen Issue 2 June 2007" for Industry Canada and FCC part 15.105[b] for the United States.

Operation is subject to the following two conditions: [1] this device may not cause interference, and [2] this device must accept any interference, including interference that may cause undesired operation of the device.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) this device must accept any interference, including any interference that may cause undesired operation of the device.

This device complies with ICES-003 class B. Test data is available from the manufacturer on request.

#### Domestic Sales

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