

# PPA VP 37

## Personal PA® Value Pack System



The Personal PA® Value Pack System broadcasts a speaker's voice, music program, or audio service wirelessly up to 1000 feet to a listening audience. Participants wear the PPA R37 single-channel receiver (included) equipped with headset to listen at the volume of their comfort level. The cornerstone of the PPA VP systems is the T27 transmitter; it features an LED display panel and push button channel selection for easy operation. The PPA VP 37 has 17 available channels, and operates on 72-76 MHz. The PPA R37 receiver features easy to use, seek-button channel selection with access to 17 pre-set wideband frequencies. The R37 receiver utilizes 3.5 mm stereo/mono jack for use with stereo or mono headphones. Each system complies with 2010 ADA guidelines for hearing assistance.

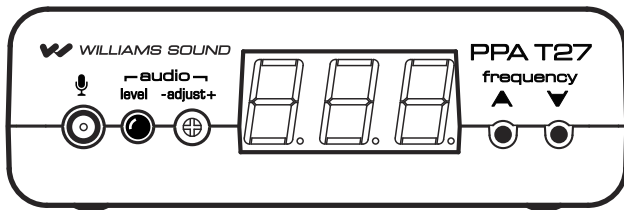
**System includes:**

- (1) PPA T27 Transmitter
- (4) PPA R37 receivers with BAT 001 AA batteries
- (4) EAR 013 single mini earbuds
- (2) NKL 001 neckloops
- (1) IDP 008 wall plaque
- (1) WCA 013 audio cable
- (1) ANT 021 antenna
- (1) TFP 036 power supply

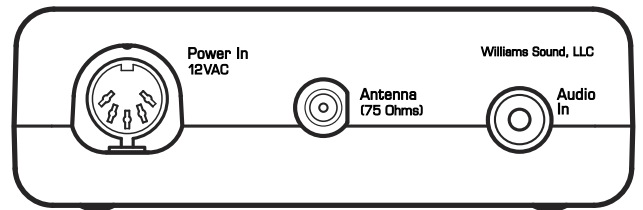
# Personal PA® Value Pack System

## PPA T27 Transmitter:

<b>Dimensions &amp; Weight:</b>	4.1" W x 6.1" L x 1.3" H (104.1 mm x 154.9 mm x 33 mm) 7.8 oz. (221 g)
<b>Color:</b>	Black
<b>Power (U.S./Canada):</b>	105-130 VAC, 50-60 Hz, 3.2 W at 120 VAC
<b>Operating Frequencies:</b>	72-76 MHz*: 72.1 (CH A), 72.2 (CH K), 72.3 (CH B), 72.4 (CH N), 72.5 (CH C), 72.6 (CH O), 72.7 (CH D), 72.8 (CH P), 72.9 (CH E), 74.7 (CH I), 75.3 (CH J), 75.4 (CH R), 75.5 (CH F), 75.6 (CH S), 75.7 (CH G), 75.8 (CH T), 75.9 (CH H)
<b>Frequency Selector:</b>	External switches, 17 channels (lockable)
<b>RF Field Strength:</b>	Does not exceed 80mV/m @ 3m
<b>Nominal Range:</b>	Up to 1000 feet (305 m) w/optional ANT 005 coaxial antenna.
<b>Modulation:</b>	FM, 75 kHz deviation (wide-band) max.
<b>Stability:</b>	± .005% over 0-50°C
<b>Pre-Emphasis:</b>	75 µS
<b>Frequency Response:</b>	85Hz - 14kHz ±3dB
<b>Distortion:</b>	1% Max. THD
<b>Signal to Noise Ratio:</b>	65 dB with PPA R37 Receiver
<b>Microphone Input:</b>	3.5mm mini phone jack, supplies +DC for electret mics
<b>Mic Input Level:</b>	1-10 mV, nominal
<b>Line-Level Input:</b>	RCA Jack, Hi Z, unbal.
<b>Line Input Level:</b>	.1-1 Vrms, nominal
<b>Input Attenuator:</b>	Pot, screwdriver-adjustable
<b>Antenna Outputs:</b>	Thread mount for ANT 021 "rubber duckie" antenna or ANT 025 telescoping antenna RF connector for ANT 024 dipole or ANT 005 coaxial antenna
<b>Approvals:</b>	FCC, Industry Canada, RoHS, WEEE
<b>Warranty:</b>	Five years, parts and labor. 90 days on cords, earphones, headphones, batteries and other accessories



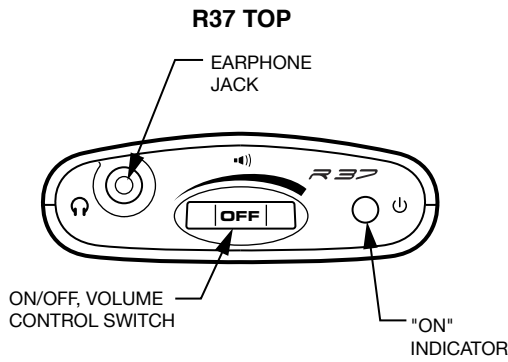
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# Personal PA® Value Pack System

## PPA R37 Receiver



<b>Dimensions:</b>	4.1" H x 2.85 W x 1.38" D (104 mm x 72 mm x 35 mm)
<b>Weight:</b>	4.6 oz (130 g) with batteries, 2.6 oz w/o batteries (73g)
<b>Color:</b>	Black
<b>Battery Type:</b>	Two (2) AA non-rechargeable alkaline batteries (BAT 001), approx. 48 hours battery life; or Two (2) AA rechargeable NiMH batteries (BAT 026), 1500 mAh, approx 30 hours battery life
<b>Current Consumption:</b>	Nominal 52 mA
<b>Operating Freq.:</b>	17 channels: 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 or 75.9 MHz*.
<b>FM Deviation:</b>	+75 kHz
<b>De-Emphasis:</b>	75 µs
<b>LED Indicator:</b>	Power on: Bright Green. Low Battery: Flashes.
<b>Sensitivity:</b>	2 µV at 12 dB Sinad with squelch defeated
<b>Input Overload:</b>	100 mV
<b>Frequency Response:</b>	200Hz to 15 kHz, ± 3 dB
<b>Signal-to-Noise Ratio:</b>	65 dB at 100 µV
<b>Receive Antenna:</b>	Integral with earphone/headphone cord
<b>Audio Output:</b>	35 mW, 16 ohm loadΩ
<b>Output Connector:</b>	3.5 mm stereo phone jack, accepts either stereo or mono plug
<b>Approvals:</b>	FCC, Industry Canada, RoHS, WEEE
<b>Warranty:</b>	Five years, parts and labor. 90 days on cords, earphones, headphones, batteries and other accessories

**\*DISCLAIMER: FCC RULES LIMIT USE OF THIS EQUIPMENT TO "AUDITORY ASSISTANCE FOR THE HANDICAPPED."**

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

# Personal PA<sup>®</sup> Value Pack System

## Bid Specs:

### PPA T27 Transmitter

The Williams Sound PPA T27 shall be housed in a heavy duty black plastic case 4.1" x 6.1" x 1.3". It shall be microprocessor controlled with push button configuration. It shall have an operating range of up to 1000ft. with optional ANT 005. It shall have seventeen wideband channels operating on the hearing assistance bandwidth between 72 MHz to 76 MHz. There shall be a 'rubber duckie' antenna output through the top of the enclosure.

### Front Panel:

The front panel shall have a push button controlled LED digital display showing the frequency selection. Once a frequency is selected, there shall be a lock or unlock feature by holding down both the up and down frequency buttons for three seconds. There shall be a 3.5mm mono microphone input jack for two wire electret microphones. It shall have a rotary input level control. There shall be up and down frequency select buttons.

### Back panel:

The PPA T27 shall be powered by a 24VAC power supply via a 5 pin DIN connector. It shall have a 75 Ohm F-connector antenna output. It shall have a Line-level, high impedance RCA, mono/unbalanced input.

The PPA T27 shall have FCC, Industry Canada approvals, be compliant with RoHS and WEEE regulations, and be powered by a UL and CSA approved power supply. It shall be covered by a five-year parts and labor warranty. It shall be compatible with Williams Sound FM equipment operating on 72 MHz to 76 MHz. The Transmitter shall be the Williams Sound model number PPA T27.

### PPA R37 Receiver

The PPA R37 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/mono 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 R37 shall have access to 17 preset wideband channels between 72-76MHz. Channel selection shall be made by pushing the seek button inside the battery compartment. 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 R37 shall operate up to 50 hrs with two disposable AA Alkaline batteries and up to 32 hrs with two AA NiMH rechargeable batteries (BAT 026).

The receiver shall provide a maximum out of 35mW at 16 ohms with an earbud-type earphone. The system's 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 R37 shall accept up to  $\pm$ 75kHz FM deviation and have a 75 $\mu$ s de-emphasis time constant.

The R37 shall have FCC and Industry Canada approvals and be compliant with RoHS and WEEE regulations. The receiver shall be covered by a five-year parts and labor warranty, excluding earphones, headphones and batteries.

This receiver shall be the Williams Sound, Model PPA R37.

**\*DISCLAIMER: FCC RULES LIMIT USE OF THIS EQUIPMENT TO AUDITORY ASSISTANCE**

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

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Web: [www.williamssound.com](http://www.williamssound.com)

### International Sales

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10300 Valley View Rd  
Eden Prairie, MN 55344 USA  
Phone: +1 952 224 7791  
Fax: +1 952 943 2174  
Email: [info@williamssound.com](mailto:info@williamssound.com)  
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