

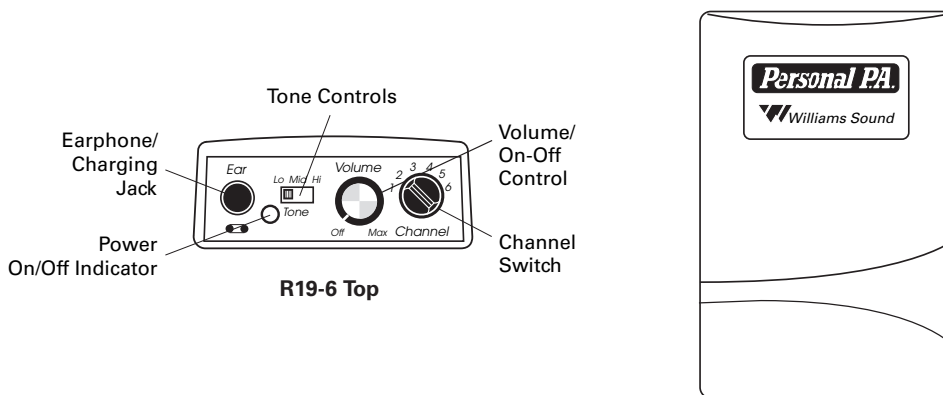
# Personal PA™ FM Receiver, Model PPA R19-6

## Description:

The PPA R19-6 is a narrow-band, six channel receiver that operates on the 72-76 MHz bandwidth. The R19-6 will operate up to 100 continuous hours on 2 AA alkaline batteries. It features a combined On/Off/Volume control, ear-phone/charging jack, power on/off indicator and a selectable tone control switch for low, mid and high tones. The PPA R19-6 will operate up to 1000 feet coverage when used with a T35 transmitter, and can be used with a variety of earphone, headphone or neckloops options.

## Specifications:

<b>Model PPA R19-6:</b>	6-Channel, pre-tuned, selectable CH 13 (72.1 MHz), CH 23 (72.5 MHz), CH 33 (72.9 MHz), CH 53 (75.7 MHz) CH 38 (74.7 MHz), CH 43 (75.3 MHz)
<b>Dimensions:</b>	3-5/8" L x 2-3/8" W x 7/8" H (92.1 mm x 60.3 mm x 22.2 mm)
<b>Weight:</b>	3.2 oz (90 g) with battery
<b>Color:</b>	Neptune Blue
<b>Battery Type:</b>	(2) BAT 001 AA Alkaline or (2) BAT 026 NIMH
<b>Battery Drain:</b>	20 mA, nominal
<b>Battery Life:</b>	90-100 hrs with 2 AA Alkaline, 45-50 hrs/charge with BAT 026
<b>Operating Freq:</b>	Crystal controlled. See factory for frequency changing instructions.
<b>Intermediate Freqs:</b>	10.7 MHz, 455 kHz
<b>FCC ID:</b>	CNMR19
<b>Earphone:</b>	Earbud-type with foam cushion, 3.5 mm plug, 32 Ω
<b>Output Connector:</b>	3.5 mm mini phone jack
<b>FM Deviation:</b>	Narrow-band, 5 kHz
<b>De-Emphasis:</b>	300 μS
<b>Sensitivity:</b>	0.7 μV at 12 dB Sinad
<b>Squelch Level:</b>	4 μV for minimum 40 dB S/N ratio
<b>Frequency Response:</b>	100-5 kHz, ± 3 dB (Tone: Lo)
<b>Receiver Antenna:</b>	Integral with earphone cord
<b>Signal-to-Noise Ratio:</b>	50 dB
<b>Audio Output:</b>	35 mW, max. at 16 Ω (Tone: Lo; 3 VDC Bat.)
<b>Acoustic Output:</b>	125 dB Max SSPL90 with EAR 013
<b>CONTROLS</b>	
<b>Tone:</b>	Switched Low-Cut. Lo: 20 Hz / Mid: 120 Hz / Hi: 700 Hz
<b>Volume &amp; On/Off:</b>	Combination, integral
<b>Channel Selector:</b>	6-position, rotary switch
<b>Warranty:</b>	5 years, parts and labor (90 days on accessories)



R19-6  
Front View

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE!

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## Bid Specs:

The receiver shall be encased in a blue, polypropylene impact-resistant plastic with a single hinged door for battery installation. The receiver shall be a body-pack type and include an optional belt-clip case 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 receiver shall be crystal controlled to reduce frequency drifting. The receiver shall have six channels pre-tuned from 72-76 MHz and adjustable by a channel rotary dial. The receiver shall have an adjustable 3-position tone control switch to select Low (20 Hz), Mid (120 Hz), or Hi (700 Hz) operation. 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 300  $\mu$ 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 5 kHz,  $\pm$  3 dB and the signal-to-noise ratio shall be 50 dB at 10  $\mu$ V. The receiver shall have a sensitivity of 0.7  $\mu$ V at 12 dB Sinad.

The receiver shall be covered by a five-year parts and labor warranty, excluding earphones, headphones, batteries and chargers. The receiver model shall be the Williams Sound Corp. model PPA R19-6.

## Contact:

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