

Personal PA™ T27 Transmitter • Model PPA T27



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Description:

The PPA T27 transmitter will broadcast a speaker's voice, music program, or audio service wirelessly up to 500 feet to a listening audience. Audience participants use the optional R35, R35-8, or any FM receiver operating on 72-76 MHz frequency to pick up the broadcast. The PPA T27 has 17 available frequencies and features an LED display and push-button channel selector. The speaker simply connects a microphone with a 3.5mm plug into the unit to broadcast their voice. Alternatively, the unit can connect to a sound system through a line-level (RCA) jack to broadcast music or other audio service.

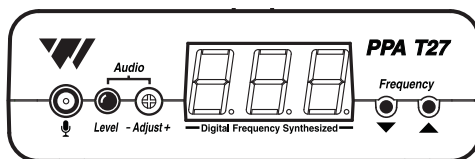
Applications:

- Theaters • Cinemas • Houses of Worship • Classrooms • Zoos • Any Place of Public Access

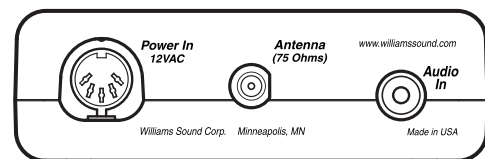
PPA T27 Transmitter:

Dimensions & Weight:	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)
Color:	Black
Power (U.S./Canada):	105-130 VAC, 50-60 Hz, 3.2 W at 120 VAC
Operating Frequencies:	Standard: 72.100 (CH A), 72.300 (CH B), 72.500 (CH C), 72.700 (CH D), 72.900 (CH E), 74.700 (CH I), 75.300 (CH J), 75.500 (CH F), 75.700 (CH G), 75.900 MHz (CH H). Non-standard: 72.2 (CH K), 72.4 (CH N), 72.6 (CH O), 72.8 (CH P), 75.4 (CH R), 75.6 (CH S), 75.8 (CH T).
Frequency Selector:	External switches, 17 channels (lockable)
RF Field Strength:	Does not exceed 80mV/m @ 3m
Nominal Range:	Up to 500 feet (152 m) w/standard ANT 021 "rubber duckie" antenna. Up to 1000 feet (305 m) w/optional ANT 005 coaxial antenna.
Modulation:	FM, 75 kHz deviation (wide-band) max.
Stability:	± .005% over 0-50°C
Pre-Emphasis:	75 µs
Frequency Response:	85Hz - 14kHz ±3dB
Distortion:	1% Max. THD
Signal to Noise Ratio:	65 dB with R35 Receiver
Microphone Input:	3.5mm mini phone jack, supplies +DC for electret mics
Mic Input Level:	1-10 mV, nominal
Line-Level Input:	RCA Jack, Hi Z, unbal.
Line Input Level:	.1-1 Vrms, nominal
Input Attenuator:	Pot, screwdriver-adjustable
Antenna Outputs:	Thread mount for ANT 021 "rubber duckie" antenna or ANT 025 telescoping antenna RF connector for ANT 024 dipole or ANT 005 coaxial antenna
Approvals:	FCC, Industry Canada, RoHS, WEEE
Warranty:	Five years, parts and labor. 90 days on cords, earphones, headphones, batteries and other accessories

PPA T27 Front Panel:



PPA T27 Rear Panel:



* FCC Rules limit the use of the 72-76 MHz band to hearing assistance.

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE!

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Bid Specs:

PPA T27 Transmitter

The Williams Sound Corp. 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 between the hearing assistance bandwidth of 72MHz to 76MHz. There shall be a 'rubber duckie' antenna input 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 an 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, RoHS and WEEE approvals and be powered by a UL and CSA power supply. It shall have a 5 year parts and labor warranty. It shall be compatible with Williams Sound FM equipment operating on 72MHz to 76MHz. The Transmitter shall be the Williams Sound Corp. model number PPA T27.

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