

# Personal PA™ T27 Transmitter • Model PPA T27



## Description:

The PPA T27 transmitter will broadcast a speaker's voice, music program, or audio service wirelessly up to 1000 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:

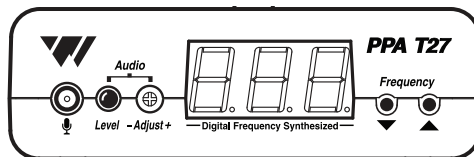
- Theaters • Cinemas • Houses of Worship • Classrooms • Zoos • Any Place of Public Access

## PPA T27 Transmitter:

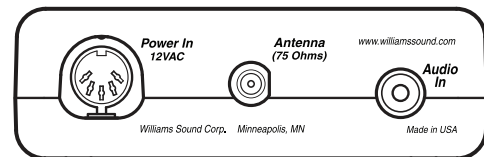
Dimensions & Weight:	4.1" W x 6.1" L x 1.3" H (104.1 mm x 154.9 mm x 33 mm) 7.8 oz. (221 g)
Color:	Black
Power (U.S./Canada):	105-130 VAC, 50-60 Hz, 3.2 W at 120 VAC
Operating Frequencies:	72-76 MHz*: 72.1 (CH A), 72.2 (CH K), 72.3 (CH B), 72.4 (CH N), 72.5 (CH C), 72.6 (CH O), 72.7 (CH D), 72.8 (CH 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)
Frequency Selector:	External switches, 17 channels (lockable)
RF Field Strength:	Does not exceed 80mV/m @ 3m
Nominal Range:	Up to 1000 feet (305 m) w/standard ANT 021 "rubber duckie" antenna or 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

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

**PPA T27 Front Panel:**



**PPA T27 Rear Panel:**



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. 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 have a 5 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 Corp. model number PPA T27.

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