

T-588

2-Watt Stereo FM Broadcast Transmitter (88-108MHz)



This 2-Watt stereo transmitter wirelessly broadcasts a speaker's voice, music, or any audio signal in the FM broadcast band so any regular car radio or handheld FM radio can receive the transmission.

The T-588 transmitter features 3 main audio inputs that allow the direct connection of virtually any analog audio source, including a 3.5 mm jack for headset microphones, an XLR & ¼ inch combination jack with a selector for dynamic microphones, condenser microphones or line-level signals, and RCA stereo auxiliary input. It also has a recording output and a 3.5 mm monitor headphone jack.

Features:

- 3.5mm microphone input with mute button on the front panel.
- Dedicated master volume control.
- LCD display with backlight.
- 3.5mm headphone output.
- Unique integrated interpreter or narrator monitor function.
- Recording output.
- Superb Audio Quality.
- Tabletop or rack-mountable.
- Easy set-up and operation.
- Universal Power Supply works worldwide (100-240V.)
- Multiple inputs and connector types for speech, music or any other audio signals (XLR, RCA, 1/4", Balanced, inputs for dynamic and condenser microphones, etc.)
- Gain control on back panel.
- True stereo or mono operation.

In the box:

- (1) T-588 FM Mono/ Stereo FM Transmitter (88.1-107.9 MHz.)
- (1) ANT-588 telescopic antenna.
- (1) PS-500 power supply with AC cord.
- (1) User manual.

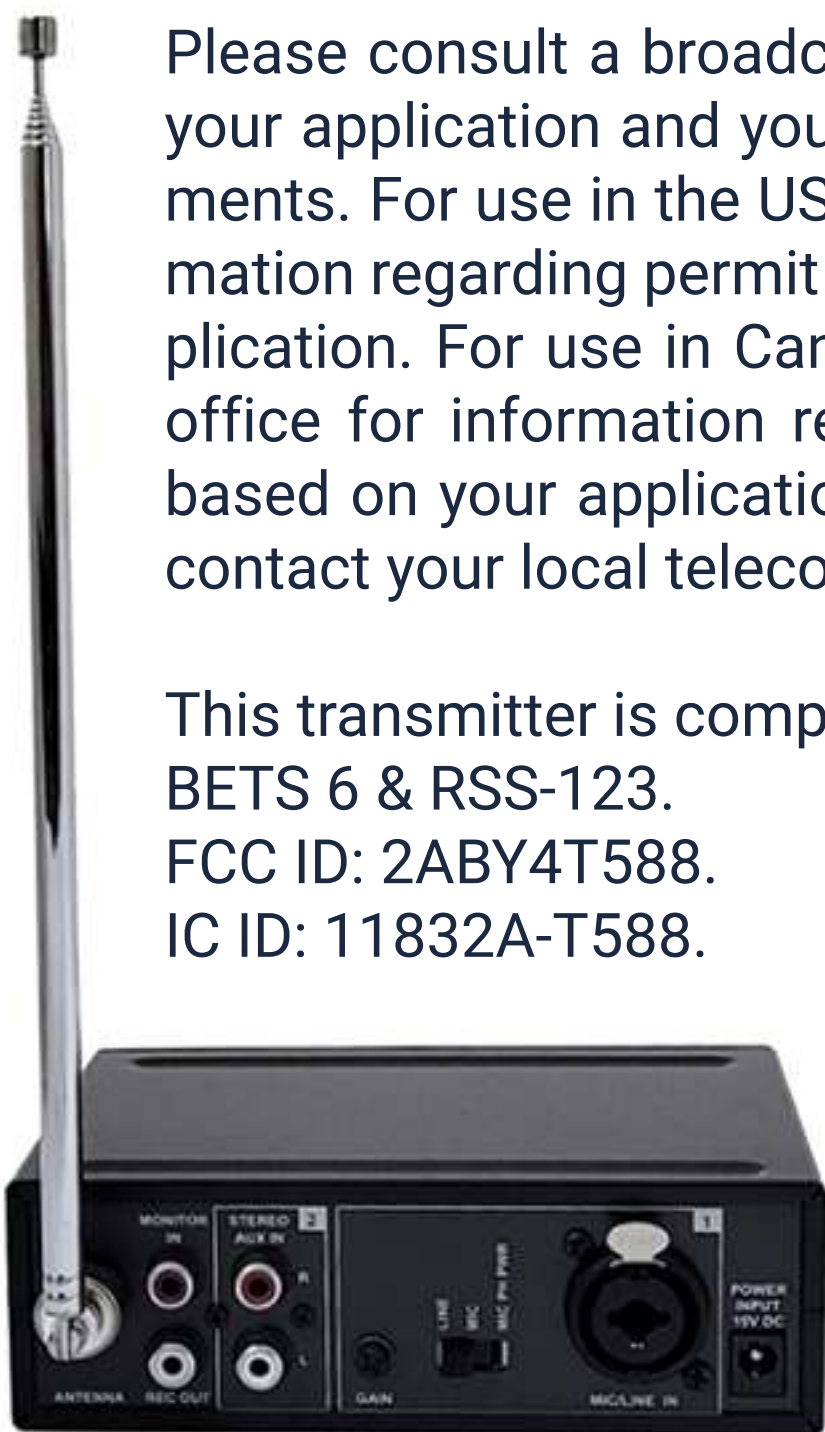
Range:

The included telescoping antenna provides a small area of coverage (up to 650ft in all directions); however, the range can be greatly expanded with a remote antenna (specific to a particular frequency.) Other factors contributing to the resulting range include: the position and elevation of the antenna, obstacles, and the sensitivity of the radio receiver. In optimal conditions the range can be expanded between 1 and 2 miles.

Licensing:

Please consult a broadcast engineer to determine if this unit is right for your application and you are meeting all of the appropriate legal requirements. For use in the USA, please contact your local FCC office for information regarding permit or license that may be needed based on your application. For use in Canada, please contact your local Industry Canada office for information regarding permit or license that may be needed based on your application. For use outside the USA and Canada, please contact your local telecommunications authority.

This transmitter is compliant with FCC Part 73 and Industry Canada:
BETS 6 & RSS-123.
FCC ID: 2ABY4T588.
IC ID: 11832A-T588.



Accessories

ANT-588: Replacement Telescoping Antenna

PS-500: Replacement Power Supply



RM-501: Single Rack Mount Kit to mount one T-588 transmitter on a standard 19" rack .



RM-502: Dual Rack Mount Kit to mount two T-588 transmitters on a standard 19" rack.



Technical Specifications

RF	Operating Frequency	88.1-107.9MHz Odd Frequencies only (US Version)
	Frequency Deviation	+/- 75kHz (Maximum Deviation)
	Frequency Accuracy	+/- 0.005% stability from 0~+50 degree C
	Transmitter Stability	+/- 20ppm
	Output Power	2 Watt adjustable
	Antenna	Telescoping antenna with 50 ohm impedance or optional remote antenna
	Antenna Connector	TNC
	Compliance	US: FCC Part 73 , Canada: Industry Canada BETS 6 & RSS-123
AUDIO	Frequency Response	100Hz ~15KHz (+ 3db/-6db)
	Signal to Noise Ratio	50db
	System Distortion	< 0.3% (THD)
	Audio Input 1	3-Pin XLR and ¼" (TRS) combination jack for MIC or LINE level Balanced or unbalanced. Nominal input level 0/56dbu (0.77V/1.3mV) (line/mic) Phantom Power:12VDC PIN 2&3 on XLR or Tip and Ring on ¼" TRS Jack
	Audio Input 2	(2)RCA Jacks, unbalanced Stereo Line Level -10dBu nominal, 100k ohms
	External Monitor In.	RCA Jack, unbalanced, Line Level -10dBu nominal, 100k ohms.
	REC Output	RCA Jack, unbalance output, Line Level -10dBu nominal, 10 ohms.
	MIC Input	Front panel: 3.5mm 1/8" TRS jack, supplies +DC on tip for electret mics.
	Audio Processing	Built-in signal compression 2:1.
	Headphone Out.	Front panel: 3.5mm stereo TRS jack adjustable output level, Max Power 61mW @8ohm, Impedance: 4~16ohm.
POWER	Power Supply Type	In Line, UL listed
	Power Supply In.	100~240VAC, 50-60Hz
	Power Supply Out.	15VDC, 1A
	Power Supply Connector	Output Connector: .02 in.(5.0 mm) OD, .01 in.(2.5mm) ID, barrel type
ENVIRONM.	Temp. Operation	-5°C (23F) to + 40°C (104F)
	Temp. Storage	-20°C (-4F) to + 60°C (140F)
	Humidity	0~95% Relative Humidity
PHYSICAL	Dimensions	5" x 5.5" x 1.75" (127 x 140 x 45 mm) (DxWxH)
	Color	Black
	Unit Weight	1.2 lbs. (0.54 Kg)
	Power Supply Weight	0.5 lbs. (0.22 Kg) with AC cord
	Shipping Weight	2.2 lbs. (1.1 Kg)
	Rack Mounting	1 1/2 rack space height, 1/2 rack space wide, One or Two transmitters can be mounted in 1.5 rack space, Option rack mount (RM-501 or RM-502)