

Houses of Worship • Schools • Offices • Auditoriums • Cinema • Government • Any Place of Public Access

T800

FM Transmitter



The T800 FM transmitter will broadcast a speaker's voice, music program, or audio service wirelessly up to 122m (400ft) to a listening audience. Quick and easy setup: The installer simply connects a microphone with a XLR or 1/4" 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. The T800 features three channels on 863.250, 863.750 or 864.750 MHz. For simultaneous interpretation, up to three T800 transmitters may be installed in a single facility for broadcasting three languages with minimal crosstalk or interference. Audience participants use the three-channel R863 FM receiver (optional) to pick up the broadcast for language interpretation or hearing assistance applications.

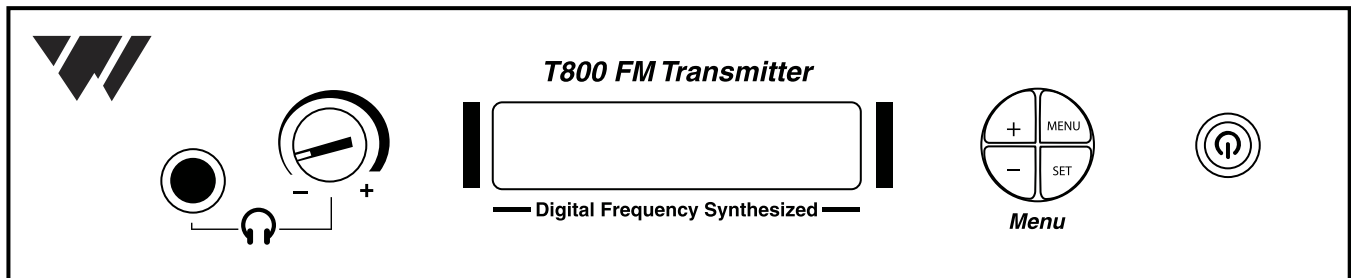
Designed for the European marketplace.

FM Transmitter

T800 Transmitter:

Dimensions:	21.8 cm (8.6") W x 21.8 cm (8.6") D x 4.6 cm (1.8") H
Weight:	1.32 kg (2.9 lbs)
Color:	Black with white legends
Power:	AC: 100 to 240 VAC, 50-60 Hz, 400 mA, power inlet IEC C14 DC: 12 to 13 VDC, 800 mA, 2.1 mm DC input jack
Power Switch:	Push ON - push OFF switch with red light
Temperature Range:	Operating: 0 C to 40 C (+32 F to 104 F)
Storage:	-20 C to 70 C (-4 F to +158 F)
Operating Frequencies:	Selectable: Ch 1 = 863.250 MHz, Ch 2 = 863.750 MHz, Ch 3 = 864.750 MHz, 13 other frequencies available (see manual)
RF Output:	5 to 10 dBm (full power switch)
RF Switch:	Low/ Full power switch on rear panel
LCD Display:	Backlit, Ch #, frequency, user name, audio level VU (indicated by 11 segments total)
Menu Push Buttons:	Menu, +Ch select, -Ch select, SET
Headphone Output:	Mono, 1/4" tip barrel jack, 0.35mW power into 33 ohms, level adjust on front panel

T800 Front Panel



A224

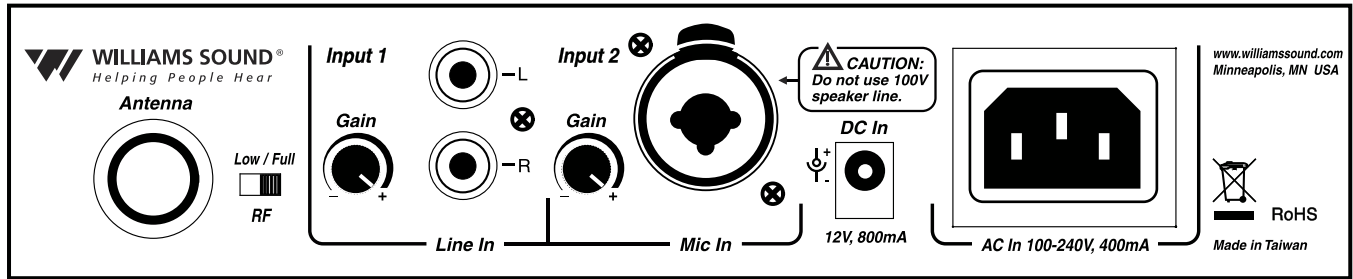
Stability:	+/- .05 MHz (0 C to 40 C)
FM Deviation:	45 kHz (line input, L+R, 1 kHz, 0.5 Vrms)
Pre-Emphasis:	50 usec
Nominal Range:	Up to 122 meters (400 ft) at RF switch full power with Williams Sound R863 receiver
Frequency Response:	Line input: 25 to 10.0 kHz +/- 3 dB Microphone input: 110 to 8.5 kHz +/- 3 dB. Dynamic microphone only
Signal/Noise Ratio (1 kHz):	Line input: > 50 dB Microphone input: > 40 dB
%THD + noise (1 kHz):	Line input: < 0.4% Microphone input: < 0.5%
Audio Processing:	2:1 compression (line or microphone input)

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE!

*** 90 DAYS ON ACCESSORIES.**

FM Transmitter

T800 Rear Panel



A225

Audio Input:	Line input: mono, RCA jack x 2 (labeled left and right) Microphone input: Balanced/unbalanced, combo XLR (3 pin) or 1/4" TRS jack, Dynamic mic only
Audio Levels: (at FM deviation)	Line input: 0.5 Vrms (-6 dBV), rotary gain adjust rear panel at maximum
	Microphone input: 10 mVrms (-40 dBV), rotary gain adjust rear panel at maximum
Common Mode Rejection:	Microphone input: > 22 dB @ 1 kHz, balanced input
Antenna:	22.9 cm (9") long, semi flexible, adjustable, removable, rear panel TNC type connector
Compatible Receivers:	R863
Approvals:	CE, RoHS, WEEE, ETSI EN 301 357-1, 2
Warranty:	3 years*

Architectural/Engineering specifications

The T800 shall be microprocessor controlled with push button configuration. It shall have an operating range of up to 400 ft. It shall have channels operating at 863.250MHz, 863.750MHz and 864.750MHz and shall be compatible with Williams Sound R863 receivers.

Front panel:

The T800 shall have a push button controlled LCD digital display. The LCD shall show frequency, channel lock status and audio level. Access to channel switching shall be on the front panel via the menu buttons. There shall be a 1/4" headphone jack with gain control to monitor audio input.

Rear panel:

The T800 shall be powered by a switching AC power supply (included) or a 12 VDC power supply (not included). It shall have a line level input with L & R RCA connectors and a combination 1/4"TRS/ XLR balanced/unbalanced microphone input. This microphone input will shall work with dynamic microphones only. Both inputs shall have their own independent gain controls. There shall be an RF output attenuator switch to reduce the RF output if needed. The antenna connector shall be a 50Ω TNC.

The T800 shall have FCC, CE, ETSI EN301 357-1,2 and RoHS compliance and shall have a 3 year parts and labor warranty. This Transmitter shall be the Williams Sound model number T800.

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE!

*** 90 DAYS ON ACCESSORIES.**

Domestic Sales

Williams Sound
10300 Valley View Rd.
Eden Prairie, MN 55344
Ph: 800-328-6190 / 952-943-2252
FAX: 952-943-2174
Email: info@williamssound.com
Web: www.williamssound.com

International Sales

International Sales Department
Williams Sound
10300 Valley View Rd.
Eden Prairie, MN 55344 USA
Phone: +1 952 943 2252
Fax: +1 952 943 2174
Email: info@williamssound.com
Web: www.williamssound.com



WILLIAMS SOUND®
HELPING PEOPLE HEAR

800.843.3544 / info@williamssound.com / www.williamssound.com