

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

T800

FM Transmitter



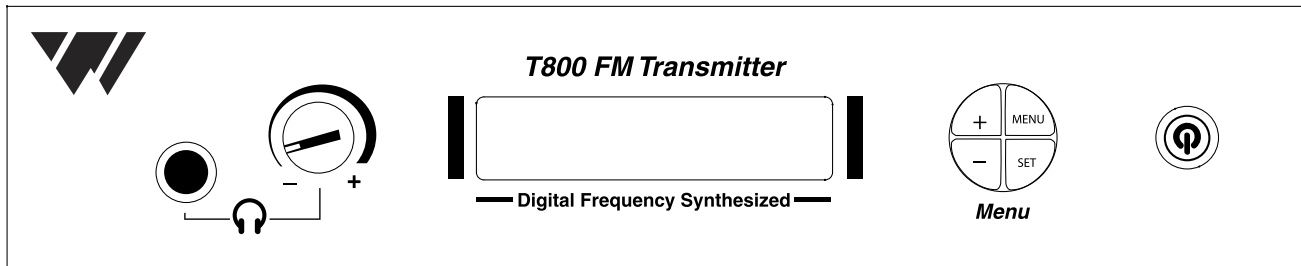
The T800 FM transmitter will broadcast a speaker's voice, music program, or audio service wirelessly up to 122m (400ft) to a listening audience. Quick and easy setup: The installer simply connects a microphone with a XLR or 1/4" plug into the unit to broadcast their voice. Alternatively, the unit can 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.

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



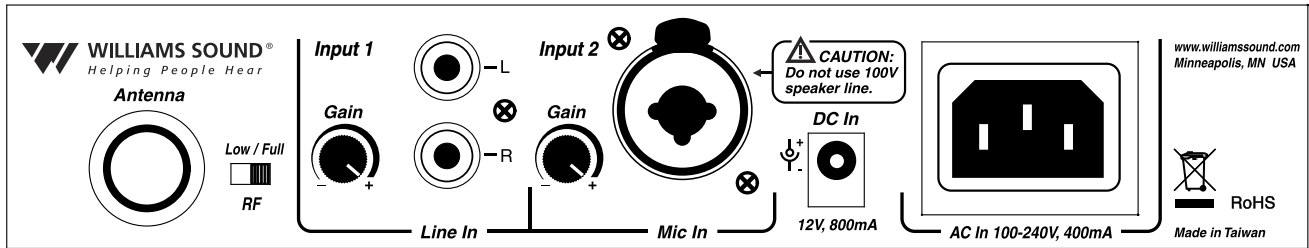
Stability:	+/- .05 MHz (0 C to 40 C)
FM Deviation:	45 kHz (line input, L+R, 1 kHz, 0.5 Vrms)
Pre-Emphasis:	50 µsec
Nominal Range:	Up to 122 meters (400 ft) at RF switch full power with Williams Sound R863 receiver
Frequency Response:	Line input: 25 to 10.0 kHz +/- 3 dB Microphone input: 110 to 8.5 kHz +/- 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



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*

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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



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