

T800 FM Transmitter • Model T800



Description:

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.

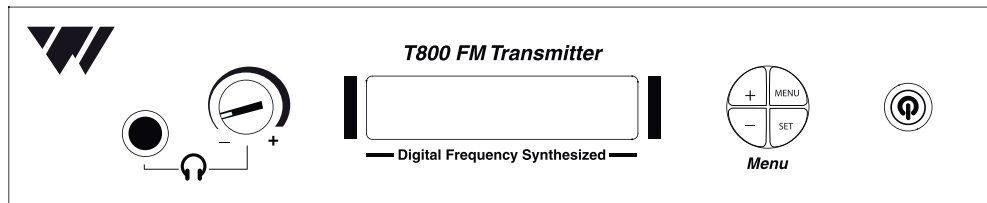
Provides Language Interpretation & Hearing Assistance for:

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

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!

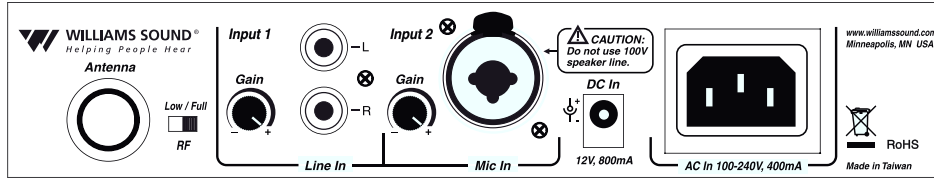
* 90 days on accessories.

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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 connector

Compatible Receivers:

R863

Approvals:

CE, RoHS, WEEE, ETSI EN 301 357-1, 2

Warranty:

3 years*

*90 days on accessories

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Whisper™ FM Receiver • Model R863



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Description:

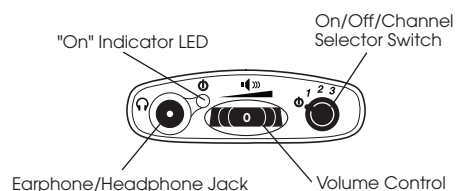
The R863 is a portable, body-pack style FM receiver with user-selectable operating frequencies of 863.25 MHz, 863.75 MHz, or 864.75 MHz. The R863 receiver will operate up to 30 meters (98 feet) when used with the Williams Sound T863 transmitter. The receiver is showcased in a black, ergonomic, impact-resistant case, and is belt-clip equipped for hands-free operation. Controls include an adjustable volume control, integrated on/off/channel switch, and power ON indicator LED. Drop-in charging points allow up to 12 receivers to be charged at once in the optional CHG 3512 multi-charger. The R863 receiver will operate on two AA batteries for up to 40 hours, or 30 hours per charge when used with Williams Sound rechargeable batteries. The R863 can be equipped with a headphone, earphone, or neckloop.

Applications:

- Tours • Language Interpretation • Hearing Assistance

R863 Receiver:

Dimensions:	115 mm H x 72 mm W x 30 mm T (4.5" H x 2.85 W x 1.2" T)
Weight:	85 grams (3 oz.), no batteries
Color:	Black
Material:	ABS/Polycarbonate, shatter-resistant
Battery Type:	Two (2) AA 1.5 V Non-rechargeable Alkaline batteries (BAT 001), 50 mA nominal current drain, 40 hours approx. life (OR) Two (2) AA 1.2 V NiMH Rechargeable batteries (BAT 026), 50 mA nominal current drain, 30 hours per charge approx., recharges in 14–16 hours, uses CHG 3512 Multiple Battery Charger
Operating Frequencies:	CH 1 - 863.25 MHz; CH 2 - 863.75 MHz; CH 3 - 864.75 MHz (± 30 kHz)
Operating Range:	30 meters (98.4 feet) with T863 transmitter
Stability:	± .05 MHz, 0 - 50° Celsius
FM Deviation:	60 kHz ±5 kHz, transmitter input at 1 kHz, 2.5 mV
De-Emphasis:	50 µs
Sensitivity:	< -90 dBm @ 60 kHz deviation
Squelch:	-100 dB @ 6 kHz
Freq Response:	500 Hz - 5 kHz, ±3 dB
Distortion:	< 2.0% THD
Signal-Noise Ratio:	>50 dB (± 5 dB) with transmitter input at 1 kHz, 2.5mV
Antenna:	Internal wire monopole
Controls & Indicators:	Volume control knob; Channel selector (four position rotary switch): Position 1 is off; position 2 is CH1; position 3 is CH 2; position 4 is CH 3 Power on indicator: Red LED "on" indicates when receiver has power Low battery indicator: Power LED flashes when batteries are low Battery selector: Slide switch for alkaline or NiMH battery operation
Headphone jack:	3.5 mm jack, mono output, 8-32 ohm impedance
Charging Contacts:	Designed for use with CHG 3512 Battery Charger
Approvals:	CE, RoHS, WEEE, ETSI EN 301 357-1, ETSI EN 301 357-2
Warranty:	3 years parts and labor (90 days on accessories)



R863 Top



R863 Front

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Bid Specs:

The R863 shall be a portable, belt-pack equipped wide-band receiver. The unit shall have three user-selectable operating frequencies of 863.25 MHz for CH 1, 863.75 MHz for CH 2 and 864.75 MHz for CH 3. The R863 shall be housed in a black polycarbonate impact-resistant enclosure and feature a 3.5mm ear jack that can accept stereo or mono earphones.

The receiver shall include an adjustable volume control, integrated on/off/channel selector and power ON indicator LED. The power ON LED shall flash to indicate low battery.

The receiver shall operate on two AA alkaline batteries for approx. 40 hours of operation or 30 hours when using Williams Sound NiMH rechargeable batteries (BAT 026). The receiver shall have drop-in charging points for charging with the optional CHG 3512.

The R863 shall have an operating range of approx. 30 meters (98 feet) when used with the T863 transmitter, and shall have a signal to noise ratio greater than 50dB and 60 kHz deviation.

The R863 shall have CE, ETSI EN 301 357-1, ETSI EN 310 357-2 approvals, and be compliant with RoHS and WEEE regulations. The unit shall have a three year parts and labor warranty.*

The receiver shall be the Williams Sound Corp. model number R863.

*90 days on accessories.

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