



WT-4820

MODULAR DUAL CHANNEL WIRELESS MICROPHONE RECEIVER

THE TOA WT-4820 MODULAR DUAL CHANNEL WIRELESS RECEIVER combines cutting-edge wireless technology with user benefits such as fast setup, simple operation, and reliable performance. The WT-4820 accepts up to two WTU-4800 Diversity Modules with sixteen user-selectable channels in the uncrowded UHF band (692 - 722 MHz) with simultaneous operation of up to sixteen channels.

Features include individual channel outputs, mix output and antenna cascade for sharing antennas between two units. A convenient Mix-in jack allows the connection of the audio output of a second WT-4820 or other source. Handheld transmitters include the WM-4210 Dynamic for vocals and the WM-4220 Condenser for speech. Bodypack transmitters include the WM-4310 Lapel, WM-4310A Aerobics/Fitness Headset and the WM-4310H Speech Headset. All transmitters offer ten hours of operation from one nine volt battery with low battery indication. The bodypack transmitters also have a recessed on/off switch to prevent accidental shut-off and a rotatable bodypack clip for versatile mounting.

All TOA wireless systems are FCC and UL listed and are backed by a five year warranty.

APPLICATIONS

A/V Rentals
Auditoriums / Theatres
Bars / Lounges / Nightclubs
Bingo Halls
Boardrooms
Community Centers
Conference Facilities
Educational Facilities
Fitness Clubs / Gymnasiums
Hotels / Hospitality
Houses of Worship
Presenters
Restaurants
Schools
Theatres
Theme Parks
Training Rooms



HIGHLIGHTS

- **Modular Dual Channel Wireless Microphone Receiver**
- **Compact — Up to Two Wireless Channels in a Half-Rack Space**
- **Two Module Slots for WTU-4800 Diversity Receiver Modules**
- **Sixteen Channel Frequency-Agile, UHF Band (692 - 722 MHz)**
- **Up to Sixteen Simultaneous Channels in Only Four Rack Spaces!**
- **Two Detachable Antennas and Power Supply Included**
- **Front Panel:**
 - Individual Output Volume Control for Each Channel
 - Frequency Adjustment Access
 - Antenna A/B and Peak LED's
- **Rear Panel:**
 - Individual Channel Outputs plus Mix Output
 - Antenna Outputs With Support for Optional Remote Powered Antenna
 - Mixing Input for Audio Output of Second WT-4820 or Other Source
 - Antenna Cascade Output for Linking Two WT-4820 Units
- **FCC and UL Listed**
- **Five Year Warranty**

PRODUCTS & ACCESSORIES

WTU-4800	Wireless Receiver Module (minimum one required)
WM-4210	Wireless Dynamic Handheld Microphone
WM-4220	Wireless Condenser Handheld Microphone
WM-4310	Wireless Lapel Microphone with Bodypack
WM-4310-OMNI	Wireless Omnidirectional Lapel Microphone with Bodypack
WM-4310A	Headset Microphone with Bodypack for Aerobics/Fitness
WM-4310H	Wireless Headset Microphone with Bodypack
WM-4310B	Wireless Bodypack
WD-4800	Antenna Distributor
YW-4500	Remote Antenna
MB-WT3	Rack-mount Kit (for 1 WT-4820 unit) (1U)
MB-WT4	Rack-mount Kit (for 2 WT-4820 units) (1U)

SYSTEMS

WT-4820-H	(1) WT-4820, (1) WTU-4800, (1) WM-4220, (1) MB-WT3
WT-4820-L	(1) WT-4820, (1) WTU-4800, (1) WM-4310, (1) MB-WT3
WT-4820-2H	(1) WT-4820, (2) WTU-4800, (2) WM-4220, (1) MB-WT3
WT-4820-2L	(1) WT-4820, (2) WTU-4800, (2) WM-4310, (1) MB-WT3
WT-4820-HL	(1) WT-4820, (2) WTU-4800, (1) WM-4220, (1) WM-4310, (1) MB-WT3



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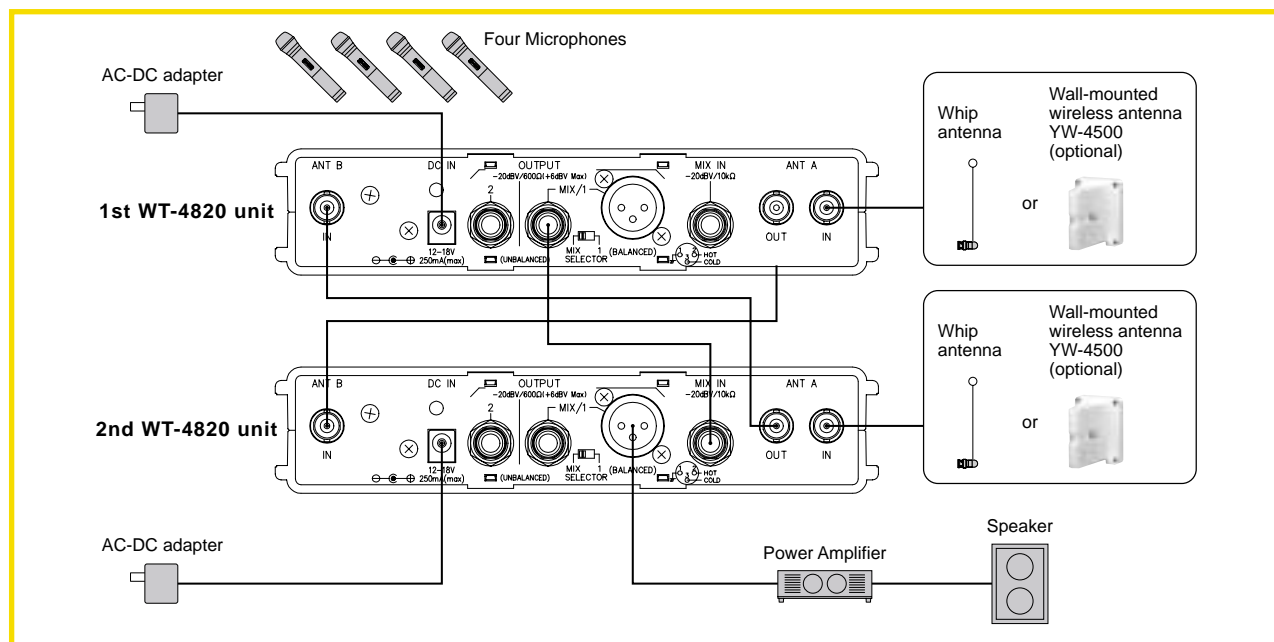


SPECIFICATIONS

Model No.	WT-4820
Power Requirement	12 - 18 VDC
Power Consumption	250 mA (12 VDC when operating with two tuner modules)
Receiving Frequency	690 - 870 MHz, UHF
Channel Selectable	16 Channels
Mixing Input	-20 dB, 10k Ω , unbalanced, phone jack
Antenna Input	75 Ω , BNC, 9 VDC, 30 mA (phantom powering for optional YW-4500 dipole antenna)
Antenna Output	75 Ω , BNC (Gain 0 dB)
Indicator	ANT A/B, Audio (peak), Power
Audio Output	Mixing/Channel 1 (selectable): -20 dB (+6 dB Max.), 600 Ω , unbalanced, phone jack -14 dB (+12 dB Max.), 600 Ω , balanced, XLR-3-31 type connector Channel 2: -20 dB (+6 dB Max.), unbalanced, 600 Ω , phone jack

S/N Ratio	Over 102 dB (A-weighted, balanced output)
Harmonic Distortion	Under 1%
Frequency Response	50 - 18,000 Hz, \pm 3 dB
Operating Temperature	14 °F to 122 °F (-10 °C to +50 °C)
Finish	ABS resin, black
Dimensions (W x H x D)	8.4" x 1.8" x 7.2" (210 x 44 x 181 mm)
Weight (without module)	1.7 lbs. (0.8 kg)
Accessories (included)	Rod antenna: 2, Rubber feet: 4
Optional Mounting Brackets	MB-WT3 (for one WT-4820) MB-WT4 (for two WT-4820)

SYSTEM CONNECTION EXAMPLE



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Specifications subject to change without notice.
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