



# D5000 Series

## Digital Wireless System



Many adjacent rooms, multiple microphones, no problem.  
D5000 delivers your important messages clearly  
to the audience everytime.

# Voical clarity – that cuts through the noise.

## TOA Digital Wireless Systems

The TOA D5000 Series provides unprecedented speech clarity for delivering a quality listening experience to audiences in any speaking scenario. Experience for yourself the clarity, ease and safety of this wireless solution, whether for the classroom, office meeting rooms, banquet halls, courthouses, or multipurpose halls.



**Receiver**  
WT-D5800



- Frequency channel scan
- Feedback suppression
- Built-in optimized preset equalization in microphones
- Detachable antenna
- Audio mixing with cascading voice input connectivity
- Antenna mixing with cascading antenna connectivity
- Intuitive LCD display

**Handheld Transmitter**  
WM-D5200



- Lightweight body
- 1 AA alkaline battery provides up to 8 hours of continuous use
- Selectable microphone sensitivity
- Selectable transmission output (1 mW/10 mW)
- 3-step battery life indicator
- Built-in antenna

**Beltpack Transmitter**  
WM-D5300



- Ultra slim and lightweight body
- 1 AA alkaline battery provides up to 8 hours of continuous use
- Selectable microphone sensitivity
- Selectable transmission output (1 mW/10 mW)
- 3-step battery life indicator



## Product Features

- TOA's proprietary digital audio processing ensures optimal sound quality and intelligibility for speech applications.
- Up to 32 simultaneous channels \*Region dependent
- 15 compatible channels per 6 MHz, 20 compatible channels per 8 MHz TV channel
- Proprietary encryption settings to prevent data leakage
- Approx. 100 m operating range (line of sight)
- Dedicated maintenance software enables visual monitoring of any jam radio waves or changes to incoming radio waves.
- Signal stability is assured using the digital diversity method.
- Control of peripherals is possible using contact output.



## System components

### Lavalier Microphone YP-M5300



- Unidirectional electret condenser microphone element
- Connector for ø3.5 mini-plug

### Lavalier Microphone YP-M5310



- Omnidirectional electret condenser microphone element
- Connector for ø3.5 mini-plug

### Headworn Microphone WH-4000H



- Unidirectional electret condenser microphone

### Headworn Microphone WH-4000A



- Unidirectional electret condenser microphone
- Ideal for sports applications

### Wall Mount Antenna YW-4500



### Antenna Distributor WD-5800



**Digital Wireless Receiver**  
**WT-D5800**



**Digital Wireless Microphone**  
**WM-D5200**



**Digital Wireless Transmitter**  
**WM-D5300**

**Specifications**

	<b>WT-D5800 RH1</b>
Power Source	AC Mains (supplied AC adapter must be used)
Current Consumption	350 mA (13.5 V)
Receiving Frequency	576 MHz to 606 MHz
Channel Selectable	160 selectable frequencies
Receiving System	Double super-heterodyne
Diversity system	Space diversity (digital diversity)
Mixing Output	MIC/LINE (selectable): -60 dB* (MIC)/-20 dB* (LINE), 600 Ω phone jack (unbalanced), 600 Ω XLR-3-32 type connector (balanced)
Mixing Input	-20 dB*, 10 kΩ, unbalanced, phone jack
Antenna Input	75 Ω, BNC (phantom powering for antenna), 9 V DC, 30 mA (max)
Antenna Output	75 Ω, BNC (Gain 0 dB)
Contact Output	1 channel, no-voltage make contact output, withstand voltage: 30 V DC, control current 0.5 A max terminal block (2 pins)
Receiving Sensitivity	24 dBμV or less (Bit error rate: 1E-5 or less)
Antenna Input Attenuator	0 dB/-10 dB switchable
Indicator	Audio (5 steps), RF (5 steps), ANT A/B, Audio (peak), Battery alarm
Frequency Response	50 Hz to 12 kHz
Total Harmonic Distortion	0.5 % or less
Function	Frequencies scanning, Feedback suppressor, Equalizer (optimizing each compatible microphone)
ID Selectable	10 patterns
Operating Temperature	14 °F to 122 °F (-10 °C to +50 °C)
Operating Humidity	30% to 85 %RH (no condensation)
Finish	Resin, black
Dimensions	8.27"(W) x 1.73"(H) x 8.34"(D) (210 x 44 x 211.9 mm) (except antenna)
Weight	1.61 lbs. (730 g)
Accessory	AC adapter x 1, Whip antenna x 2, Rubber foot x 4
Option	Rack mounting bracket kit: MB- WT3 (for rack mounting one WT-D5800 unit) MB- WT4 (for rack mounting two WT-D5800 units)

\* 0 dB = 1V

**Specifications**

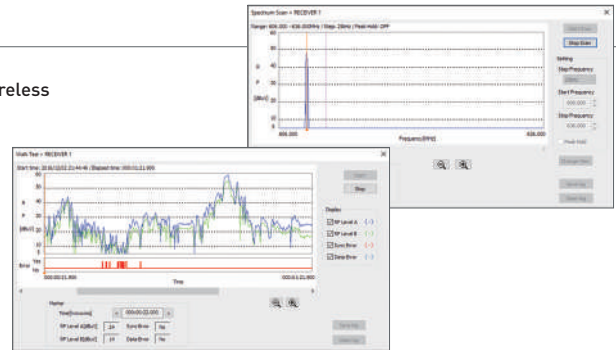
	<b>WM-D5200 -H1</b>	<b>WM-D5300 -H1</b>
Microphone Element	Electret condenser unit: Unidirectional	-
Modulation type	FSK	
Frequency Range	576 MHz to 606 MHz	
Channel Selectable	160 channels (The number of channels may differ from country to country.)	
RF Carrier Power	Less than 50 mW	
Maximum Input Level	132 dB SPL (Sensitivity: L)/ 122 dB SPL (Sensitivity: H)	-18 dB* (Sensitivity: L)/ -28 dB* (Sensitivity: H)
Audio Frequency Response	100 Hz - 12 kHz	
Antenna	Built-in type	Lambda/4 whip antenna
Dynamic Range	Typ. 90 dB (when used with WT-D5800)	-
ID Selectable	10 patterns	
Battery	AA Alkaline dry cell battery	
Battery Life	Approx. 8 hours	
Operating Temperature	14 °F to 122 °F (-10 °C to +50 °C) (except battery)	
Operating Humidity	30% to 85 %RH (no condensation)	
Finish	Body: ABS resin, black, coating Head: steel, black, paint	Body: ABS resin, black, paint
Dimensions	ø1.85" x 9.43" (ø47 x 239.5 mm)	2.44"(W) x 7.28"(H) x 0.75"(D) (62 x 185 x 19 mm)
Weight	0.49 lbs. (220 g) (with battery)	0.2 lbs. (90 g) (with battery)
Accessory	Storage case x 1, Screw driver x 1, Microphone holder x 1	Storage case x 1, Screw driver x 1
Option	-	Unidirectional lavalier microphone: YP-M5300 Omnidirectional lavalier microphone: YP-M5310 Headset microphone: WH-4000A, WH-4000H

\* 0 dB = 1V

**Maintenance Software**

Maintenance Software, which supports setup and better operation of D5000 digital wireless system, is available on TOA DATA LIBRARY ([www.toa-products.com/international/](http://www.toa-products.com/international/))

- Simultaneous status check of up to 16 receivers is possible.
- Walk-Test function allows you to check the antennas' reception level in the entire room where the microphone is used.
- Channel Scan displays unused frequency channels.
- Spectrum Scan visualizes the level and frequency of undesired signals in the specified frequency range.



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