Digital Wireless System

D5000 Series

Many adjacent rooms, multiple microphones, crossing radio waves - yet D5000 delivers the speech clearly and “safely” to the audience.

Voice clarity and comfort for any speak
TOA Digital Wireless Systems

The TOA D5000 Series provides unprecedented speech clarity for delivering the presenter's voice 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
- Dedicated rechargeable (NiH2 = nickel-hydrogen) battery or an AA alkaline battery can be used
- 1 AA 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
- Dedicated rechargeable (NiH2 = nickel-hydrogen) battery or an AA alkaline battery can be used
- 1 AA 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

Battery Charger
BC-2000A

Rechargeable Battery
WB-2000-2

Wall Mount Antenna
YW-4500

Antenna Distributor
WD-5800

*Available in Q1 2018

Digital Wireless Receiver

WT-D5800

Specifications	WT-D5800
Power Source	AC mains (supplied AC adapter must be used)
Current Consumption	350 mA (13.5 V)
Receiving Frequency	576 - 606 MHz, 606 - 636 MHz, 694 - 703 MHz or 798 - 832 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 - 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	-10 °C to +50 °C
Operating Humidity	30% to 85 %RH (no condensation)
Finish	Resin, black
Dimensions	210 (W) × 44 (H) × 211.9 (D) mm
Weight	730 g
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

Digital Wireless Microphone

WM-D5200

Digital Wireless Transmitter

WM-D5300

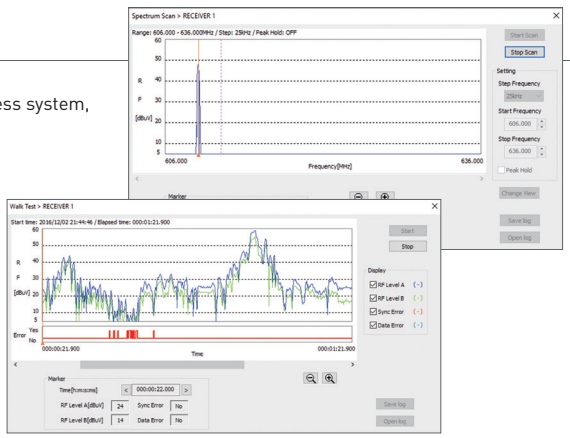
Specifications	WM-D5200	WM-D5300
Microphone Element	Electret condenser unit: Unidirectional	-
Modulation type	FSK	
Frequency Range	576 - 606 MHz, 606 - 636 MHz, 694 - 703 MHz or 798 - 832 MHz	
Channel Selectable	160 channels (The number of channels may differ from country to country.)	
RF Carrier Power	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	Lamda/4 whip antenna
Dynamic Range	Typ. 90 dB (when used with WT-D5800)	-
ID Selectable	10 patterns	
Battery	WB-2000 rechargeable battery (option) or AA Alkaline dry cell battery	
Battery Life	Approx. 8 hours	
Operating Temperature	-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	ø47 × 239.5 mm	C04/C07 ver. : 62(W) x 171(H) x 19(D) mm G01 ver.: 62(W) x 185(H) x 19(D) mm
Weight	220 g (with battery)	90 g (with battery)
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/)

- 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.



TOA

Smiles for the Public

Specifications are subject to change without notice for improvement. (202412)833-61-100-35-05