TOA

WM-D5000 Series

Digital Wireless System

Voice clarity and comfort for any speaking scenario.

We supply sound, not equipment.
www.toa.eu

WM-D5000 Series

Digital Wireless System

The TOA D5000 series provides unprecedented speech clarity for delivering the presenter's voice to audiences in any speaking scenario.

The proprietary encryption is supporting confidential meetings and conferences.

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.

FEATURES

- TOA's proprietary digital audio processing ensures optimal sound quality and intelligibility for speech applications.
- Up to 32 simultaneous channels (dependenting on region)
- 15 compatible channels per 6 MHz, 20 compatible channels per 8 MHz TV channel
- 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.

APPLICATION EXAMPLES

Conferences

Retail stores

Offices

Schools

SYSTEM COMPONENTS

WT-D5800 Digital Wireless Receiver

- Frequency channel scan
- Feedback suppressing
- 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

WM-D5200 Handheld

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

WM-D5300 Beltpack Transmitter

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

OPTIONAL ACCESSORIES

Lavalier mic YP-M5300

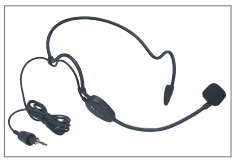
- Unidirectional electret condenser microphone element
- High maximum input level
- Only 20 g weight including cable

Lavalier mic YP-M5310

- Omnidirectional characteristics
- Only 20 g weight including cable
- Electret condenser capsule

Headset WH-4000H

- Designed for voice applications
- Unidirectional characteristics
- Electret condenser capsule



Headset WH-4000A

- Ideally suited gyms and aerobics classes
- Adjustable neckband
- Protection against the ingress of moisture
- Unidirectional characteristics
- Electret condenser capsule

Battery Charger BC-2000

- Two wireless microphones to be charged simultaneously
- Fully charged within three hours

Rechargeable Battery WB-2000-2

- 2 pcs Ni-MH rechargeable batteries for use with the transmitters and charging stations of the 5000 series

Wall Mount Antenna YW-4500

- Omnidirectional dipole antenna for wall or ceiling mounting
- Built-in RF signal booster

Antenna Distributor WD-5800

- Active antenna splitter with two antenna inputs for distribution to four output pairs
- Connected receivers can be centrally powered via four integrated DC outputs

SPECIFICATIONS

	WT-D5800
Power Source	AC mains (supplied AC adapter must be used)
Current Consumption	350 mA (13.5 V)
Receiving Frequency	606 – 636 MHz, 794 – 806 MHz or 794 – 832 MHz
Channel Selectable	160 selectable frequencies
Receiving System	Double super-heterodyne
Diversity system	Space diversity (digital diversity)
Mixing Output	MIC/LINE (selectable): -60 dBV (MIC)/-20 dB V (LINE), 600 Ω phone jack (unbalanced), 600 Ω XLR-3-32 type connector (balanced)
Mixing Input	-20 dB V, 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 to +50 °C
Operating Humidity	30 to 85 %RH (no condensation)
Finish	Resin, black
Dimensions (W x H x D)	210 x 44 x 211.9 mm
Weight	730 g

	WM-D5200	WM-D5300
Microphone Element	Electret condenser unit: Unidirectional	-
Modulation type	FSK	
Frequency Range	606 – 636 MHz, 794 – 806 MHz or 794 – 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 V (Sensitivity: L)/-28 dB V (Sensitivity: H)
Audio Frequency Response	100 Hz – 12 kHz	
Antenna	Built-in type	
Dynamic Range	Typ. 90 dB (when used with WT-D5800)	
ID Selectable	10 patterns	
Battery	WB-2000 rechargeable battery or AA Alkaline battery	
Battery Life	Approx. 8 hours	
Operating Temperature	-10 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, coating
Dimensions	ø47 × 239.5 (H) mm	62 (W) × 171 (H) × 19 (D) mm
Weight	220 g (with battery)	90 g (with battery)

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Specifications are subject to change without notice.
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