



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 (depending 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 20g weight including cable



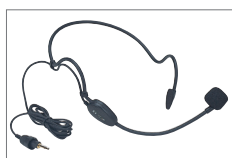
Lavalier mic YP-M5310

- 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	350mA (13.5V)
Receiving Frequency	606 – 636MHz, 794 – 806MHz 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): -60dBV (MIC)/-20dBV (LINE), 600Ω phone jack (unbalanced), 600Ω XLR-3-32 type connector (balanced)
Mixing Input	-20dB V, 10kΩ, unbalanced, phone jack
Antenna Input	75Ω, BNC (phantom powering for antenna), 9VDC, 30mA (max.)
Antenna Output	75Ω, BNC (Gain 0dB)
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/-10dB switchable
Indicator	Audio (5 steps), RF (5 steps), ANT A/B, Audio (peak), Battery alarm
Frequency Response	50Hz – 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 211.9mm
Weight	730g

	WM-D5200	WM-D5300
Microphone Element	Electret condenser unit: Unidirectional	-
Modulation type	FSK	
Frequency Range	606 – 636MHz, 794 – 806MHz or 794 – 832 MHz	
Channel Selectable	160 channels (The number of channels may differ from country to country.)	
RF Carrier Power	Less than 50mW	
Maximum Input Level	132dB SPL (Sensitivity: L)/122dB SPL (Sensitivity: H)	-18dBV (Sensitivity: L)/-28dBV (Sensitivity: H)
Audio Frequency Response	100Hz – 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)