



UHF Wireless Microphone System

5000 Series



Wireless Convenience with Newly Enhanced
Versatility, Reliability and Cost Efficiency

Versatile High-Performance Microphone Systems

Strive to bring you high-performance, mobility and convenience. TOA is proud to introduce the widened range of 5000 Series wireless microphone system. There is definitely one that suits your need.

■ Product Features

- All UHF wireless microphone tuners employs Phase Locked Loop (PLL) synthesis for remarkably stable performance. Reliable wide-area coverage permitting use of up to 16 microphones within a radius of up to 120 meters from the YW-4500 UHF wireless antenna
- Powered by rechargeable batteries which enable up to 13 hours of continuous usage before recharging
- Extensive range of microphone selections to support every application need
- A selection of three high-efficiency battery chargers for 2, 6, or 12 batteries and a single-battery microphone add further flexibility to the product line-up
- Up to 64 selectable channels for WT-5800 & WT-5805, Up to 16 selectable channels for WT-5810 & WT-4820 wireless tuner.
- TOA true diversity (WT-5800) and space diversity (WT-5805) circuitry, a usable frequencies scanning and vacant channel search function.



Handheld Microphone

WM-5270

- Dynamic microphone unit: Unidirectional
- 64 selectable channels
- Rolling stopper prevents the microphone from rolling
- Single AA battery operation for more compact and light weight body
- Built-in antenna



Handheld Microphone

WM-5265

- Dynamic microphone unit: Unidirectional
- 64 selectable channels
- ON/OFF switch prevents the microphone from rolling
- WB-2000 rechargeable battery or single AA battery operation for compact and lightweight body
- Built-in antenna



Handheld Microphone

WM-5225

- Electret condenser microphone unit: Unidirectional
- 64 selectable channels
- ON/OFF switch prevents the microphone from rolling.
- WB-2000 rechargeable battery or single AA battery operation for compact and lightweight body
- Built-in antenna



Beltpack Transmitter

WM-5325

- 64 selectable channels
- Maximum input level: -14 dB to -29 dB
- Built-in circuitry minimizes ambient noise effects
- WB-2000 rechargeable battery or single AA battery operation for compact and lightweight body
- Connector for ø3.5 mini-plugs
- Built-in antenna



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

Wireless Lavalier Microphone

WM-4300

- Unidirectional electret condenser microphone element
- 64 selectable channels
- Input sensitivity control included
- Built-in circuitry minimizes ambient noise effects
- Highly reliable TA-4 (XLR-type) mini-cannon microphone plug
- Belt clip rotatable 360 degrees



Wireless Portable Receiver

WT-5100

- Compatible to commercial earphone (ø3.5mm, impedance: over 16Ω)
- Allow up to 16 different frequencies to be received by selection
- An optimized PLL-synthesizer minimizes the oscillation frequency drift resulting from the ambient temperature or voltage fluctuation
- WB-2000 rechargeable battery or single AA battery operation for compact and lightweight body
- Built-in antenna



Ear-Suspension Earphone

YP-E401

- Dynamic type
- Frequency response: 300 Hz - 15k Hz
- Terminal: ø3.5mm monaural plug (16Ω, 2 pole)
- Suspension ring comes in three different sizes



Assist Earphone

YP-E5000

- Dynamic type
- Frequency response: 300 Hz - 15k Hz
- Terminal: ø3.5mm monaural plug (16Ω, 3 pole)
- Suspension ring comes in three different sizes



* When used with the YP-E5000 Assist Earphone, improves audibility for hearing impaired users by raising the frequency response above the standard level.

Receiver

WT-5800



- Up to 64 selectable frequencies (Up to 16 Simultaneous channels)
- Frequency scan function
- Adjustable 7-step squelch function
- Supplied audio mixing input and audio mixing output
- Antenna distribution output
- Two-line LCD display
- Indication of transmitter's battery life
- Half-rack size body

Receiver

WT-5805



- Up to 64 selectable frequencies (Up to 16 Simultaneous channels)
- Frequency scan function
- Adjustable 7-step squelch function
- Supplied audio mixing input and audio mixing output
- Two-line LCD display
- Indication of transmitter's battery life
- Half-rack size body

Receiver

WT-5810



- Up to 16 selectable frequencies (Up to 16 Simultaneous channels)
- Frequency scan function
- Adjustable 7-step squelch function
- Supplied audio mixing input and audio mixing output
- Indication of transmitter's battery life
- Compact portable design

Receiver

WT-4820



- Up to 16 selectable frequencies (Up to 16 simultaneous channels)
- Modular dual channel receiver accepts up to two WTU-4800 Tuner Units
- Supplied audio mixing input and audio mixing output
- Antenna distribution output
- Half-rack size body

Power/Antenna Distributor WD-5800



- 2 antenna inputs and 4 distributed outputs
- 2 inputs per antenna which are mixed for output (when 2 antenna are set up in a large room)
- Supplies power to antenna
- Compact 19" rack-mount design

Wireless Tuner Unit WTU-4800



- PLL synthesis double super-heterodyne diversity tuner module
- Squelch function mutes output to reduce noise
- Includes compander noise reduction to cut ambient RF noise
- Receiving frequency : 576 - 865 MHz

Rechargeable Battery WB-2000-2



- AA nickel-metal hydride (Ni-MH) rechargeable battery
- For Wireless Microphones, Wireless Transmitter and Portable Receiver

Battery Charger BC-5000-12



- Number of wireless microphones to be charged simultaneously: 12
- Fully charges within 3 hours

Battery Charger BC-5000-6



- Number of wireless microphones to be charged simultaneously: 6
- Fully charges within 3 hours

Battery Charger BC-5000-2



- Number of wireless microphones to be charged simultaneously: 2
- Fully charges within 3 hours

Battery Charger AD-5000-6 / AD-5000-2



- AD-5000-6: For BC-5000-12 and BC-5000-6 battery chargers
- AD-5000-2: For BC-5000-2 battery charger

UHF Wireless Antenna YW-4500



- UHF wireless dipole indoor antenna
- Wall mounted
- Power supplied by tuner unit (WT-5800 / WT-5805 / WT-4820) through coaxial cable
- Built-in RF signal booster
- Attenuation switch helps minimize noise and any interference

Options

Waist Pouch WH-4000P



Windscreen WH-4000S



- Contains 10 pieces

Rack Mount Bracket MB-15B



- For rack mounting one WD-5800

Rack Mount Bracket Kit MB-WT3



- For rack mounting one WT-5800, WT-5805 and/or WT-4820 unit

Rack Mount Bracket Kit MB-WT4



- For rack mounting two WT-5800, WT-5805 and/or WT-4820 unit

Specifications

Wireless Microphones



WM-5270



WM-5265



WM-5225

Microphone Element	Dynamic microphone: Unidirectional	Dynamic microphone: Cardioid	Electret condenser microphone: Unidirectional
Frequency Range	576 - 865 MHz	576 - 937.5 MHz	
Channel Selectable	64 channels* ¹		
Maximum Input Level	142 dB SPL	132 dB SPL	126 dB SPL
Battery	LR6 (AA)	LR6 (AA) or WB-2000 (Ni-MH battery)	
Battery Life	Approx. 10 hours (when the alkaline battery is used.)	Approx. 13 hours (when the WB-2000 is used.) Approx. 10 hours (when the alkaline battery is used.)	
Finish	Metal, Dark Grey	Resin, coating	Resin, coating
Dimensions	Φ 48 x 244 mm	Φ 50 x 229 mm	Φ 43.6 x 231.5 mm
Weight	340 g (with battery)	205 g (with battery)	180 g (with battery)
Accessories	Microphone holder (with stand adapter), Storage case, Rolling stopper	Microphone holder (with stand adapter), Storage case, Screw driver	Microphone holder (with stand adapter), Storage case, Screw driver

Wireless Transmitter



WM-5325

Frequency Range	576 - 865 MHz* ¹ , UHF
Channel Selectable	64 channels* ¹
Maximum Input Level	-14 dB to -29 dB* (Audio level control: Min. to Max.)
Battery	LR6 (AA) or WB-2000 (Ni-MH battery)
Finish	Resin, coating (change other's)
Dimensions	62 (W) x 102.5 (H) x 23 (D) mm
Weight	90 g (with battery)
Accessories	Screw driver, Storage case, Neck Strap
Option	Ni-MH battery: WB-2000

Wireless Lavalier Microphone



WM-4300

Microphone Element	Condenser microphone : Unidirectional
Frequency Range	690 - 750 MHz, 794 - 865 MHz
Channel Selectable	64 channels* ¹
Maximum Input Level	120 dB SPL
Battery	6LR61 (9 V x 1)
Battery Life	10 hours (alkaline)
Finish	Resin coating
Dimensions	62 (W) x 142 (H) x 32 (D) mm
Weight	135g (with battery)

Microphone Options



YP-M5300



YP-M5310



WH-4000A



WH-4000H

Microphone Element	Electret condenser microphone: Unidirectional	Electret condenser microphone: Omnidirectional	Electret condenser microphone: Unidirectional	Electret condenser microphone: Unidirectional
Sensitivity	-63 dB ±3 dB (0 dB=1V/0.1 pa. 1kHz)	-64 dB ±3 dB (0 dB=1V/0.1 pa. 1kHz)	-66 dB ±3 dB (0 dB=1V/0.1 pa. 1kHz)	-66 dB ±3 dB (0 dB=1V/0.1 pa. 1kHz)
Frequency Response	100 Hz - 12,000 Hz	100 Hz - 15,000 Hz	-	-
Maximum Input Level	120 dB SPL	110 dB SPL	120 dB SPL	120 dB SPL
Cord Length	1.3 m			
Connector	Φ 3.5 mm mini plug			
Finish	Dark Black	Dark Black	Headband: EVA, black Frame: Stainless, black (Silicon rubber) Gooseneck: Black (shrink tube)	Frame: Stainless, black (Silicon rubber) Gooseneck: Black (shrink tube)
Weight	20 g (cable included)		50 g (cable included)	

Portable Receiver



WT-5100

Power Source	1.5 V DC(Battery)
Receiving Frequency	576 - 865 MHz
Channel Selectable	16 selectable frequencies
Receiving System	Double super-heterodyne
Receiving Sensitivity	60 dB or more, Signal to noise ratio (20 dBμV input, ±40 kHz deviation)
Frequency Response	200 Hz - 5 kHz (Portable transmitter to portable receiver)
Battery	LR6 (AA) or WB-2000 (Ni-MH battery)
Battery Life	Approx. 13 hours when the WB-2000 is used. Approx. 10 hours when the alkaline battery is used.
Finish	Resin, dark silver
Dimensions	62 (W) x 163.6 (H) x 32.5 (D) mm
Weight	125 g (with battery)
Accessories	Neck Strap x 1

*¹ The number of channels may differ from country to country.

Wireless Receivers



	WT-5800	WT-5805	WT-5810	WT-4820
Power Requirement	AC mains (AC Adapter must be used)			
Receiving Frequency	576 - 865 MHz, UHF			576 - 865 MHz, UHF (WTU-4800)
Channel Selectable	64 selectable frequencies* ¹		16 channels* ¹	
Receiving System	Double super-heterodyne			Double super-heterodyne (WTU-4800)
Diversity System	True diversity	Space diversity	Space diversity	Space diversity (WTU-4800)
Mixing Output	MIC: -60 dB ⁺² , 600Ω, balanced, XLR-3-31 type connector LINE: -20 dB ⁺² , 600Ω, unbalanced, phone jack			-
Mixing Input	-20 dB ⁺² , 10kΩ, unbalanced, phone jack			
Antenna	Whip antenna		Rod antenna	Whip antenna
Antenna Input	75Ω, BNC, 9 V DC	75Ω, BNC, 9 V DC	-	75Ω, BNC, 9 V DC
Antenna Output	75Ω, BNC (Gain 0 dB)	-	-	75Ω, BNC (Gain 0 dB)
Receiving Sensitivity	90 dB or more			80 dB or more (WTU-4800)
Squelch Sensitivity	18 - 40 dBμ V variable			18 dBμ V (WTU-4800)
Tone Frequency	32.768 kHz			-
S/N Ratio	110 dB or more (A-weight, unbalanced output)		104 dB or more (A-weight, unbalanced output)	102 dB or more (A-weight, balanced output)
Harmonic Distortion	1% or less (typical)			
Frequency Response	100 Hz - 15,000 Hz, ±3 dB			50 Hz - 18,000 Hz, ±3 dB
Finish	Resin, black			
Dimensions	210 (W) x 44 (H) x 205.1 (D) mm		206 (W) x 40.6 (H) x 152.7 (D) mm	210 (W) x 44.2 (H) x 181 (D) mm
Weight	700 g	700 g	590 g	770 g (without tuner module)

*¹ The number of channels may differ from country to country.

*² 0 dB = 1V

Battery Chargers



	BC-5000-12	BC-5000-6	BC-5000-2
Power Requirement	12 V DC (optional AC Adapter AD-5000-6 must be used)		12 V DC (optional AC Adapter AD-5000-2 must be used)
Power Consumption	4.4 A	2.2 A	700 mA
Charging Time	Max. 3h		
Number of Wireless Microphone to be Charge simultaneously	12	6	2
Finish	Case: Steel plate, black, paint Microphone receptacle section: ABS resin, black		Case: Steel plate, black, paint Microphone receptacle section: PPE resin, black
Dimensions	390 (W) x 118 (H) x 246 (D) mm	390 (W) x 118 (H) x 131 (D) mm	238 (W) x 105 (H) x 98 (D) mm
Weight	3.4 kg (with mounting adapters)	2 kg (with mounting adapters)	500 g (with mounting adapters)
Accessories	Mounting adapter x 12	Mounting adapter x 6	Mounting adapter x 2

* Using the mounting adapter allows one each of the WM-5225, WM-5265, WM-5325, WT-5100 to be charged in combination.

Earphones



	YP-E401	YP-E5000
Type		Dynamic type
Impedance		16Ω
Frequency Range		300 Hz - 15 kHz
Input		Max. 50 mW
Terminal	Φ 3.5 mm mini plug (3-pole)	Φ 3.5 mm monaural plug
Finish		Black
Weight		17 g
Accessories		Ear-pad x 1, Suspension ring x 2

UHF Wireless Microphone Sets

WS-5225



Combination includes:

- WM-5225
- WT-5810

WS-5265



Combination includes:

- WM-5265
- WT-5810

WS-5325U



Combination includes:

- WM-5325
- YP-M5300
- WT-5810

WS-5325H



Combination includes:

- WM-5325
- WH-4000H
- WT-5810

WS-5325M



Combination includes:

- WM-5325
- YP-M5310
- WT-5810

