



UHF WIRELESS MICROPHONE SYSTEMS



***Enhanced ease of use and performance,
for a wider range of applications***

Vocal Wireless Microphones

TOA vocal microphones are specifically designed to deliver a flat frequency response in order to achieve accurate, high fidelity vocal reproduction, for a powerful and rich sound that extracts the maximum quality from any vocal performance.

Dynamic cardioid microphones are capable of effortlessly accommodating high input levels without overloading. For instance, the WM-5270 incorporates a pad switch that changes the maximum allowable input sound pressure from 130 dB to 142 dB to better match a wide input level range for optimal performance.

TOA vocal microphones feature wide-area receptivity, enabling operation as far as 120 meters (when YW-4500 used) away from their tuner units. PLL-synthesized circuitry oscillation enhances carrier frequency stability and reliability, for improved performance. An at-a-glance indicator warns of low battery status, while the microphone's single proprietary TOA battery (average operation exceeding 10 hrs.) reduces size and operating cost.



WM-5270

UHF Handheld Wireless Microphone



WM-4200

UHF Handheld Wireless Microphone



WM-4210

UHF Handheld Wireless Microphone

Speech Wireless Microphones

TOA speech microphones are optimized with a frequency response tailored to emphasize clarity, thus delivering increased intelligibility. These microphones employ electret condenser elements that minimize handling-related noise, making them particularly suited for speech applications.

These microphones feature a more streamlined, less bulky profile compared to conventional models, thanks to a new built-in antenna. In addition, overall weight has also been reduced, as the transmitter component now weighs less. Transmitter choices include headset types and units optimized for aerobics applications, allowing users to precisely choose a model that best suits their requirements.

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WM-5220

UHF Handheld Wireless Microphone



WM-4220

UHF Handheld Wireless Microphone



WM-4300

UHF Lavalier Wireless Microphone



WM-5320

UHF Lavalier Wireless Microphone



WM-5320H

UHF Headset Wireless Microphone



WM-5320A

UHF Headset (Aerobics) Wireless Microphone

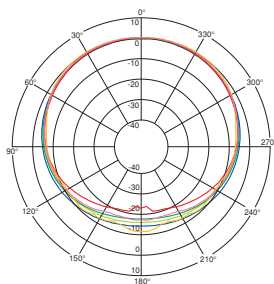


A greater choice of microphones, plus more flexible and robust operation.

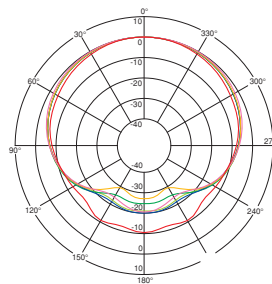


Polar Response

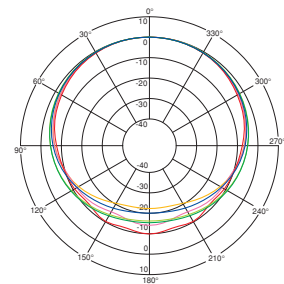
Vocal microphones



WM-5270

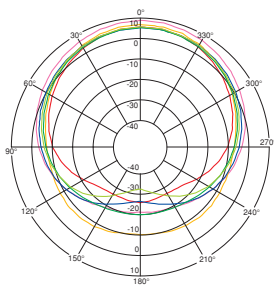


WM-4200

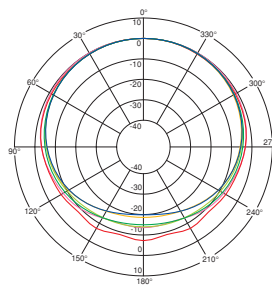


WM-4210

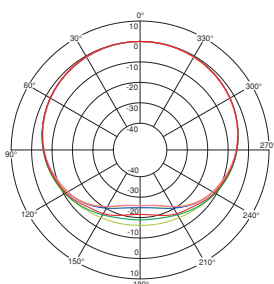
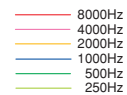
Speech microphones



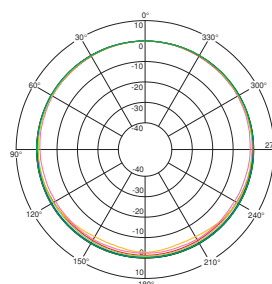
WM-5220



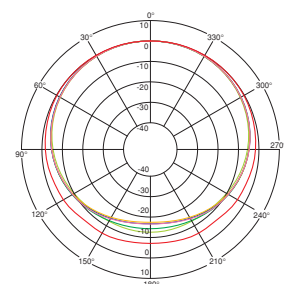
WM-4220



WM-4300



WM-5320



WM-5320H/WM-5320A

Wireless Tuners



TOA wireless microphone tuners are designed to deliver outstanding performance levels, stability and overall reliability. A wide choice of channels realized by the use of the PLL-synthesized oscillator enables you to select channels freely to prevent any interference. In addition, TOA tuners provide significantly less potential for noise caused by changeovers between antennas, by employing true diversity and space diversity methods. A two-line LCD display enables faster meter reading. Remaining battery power indication is also provided. A PLL synthesis system is incorporated to generate highly accurate frequency output signals that help achieve better overall system performance. For further performance enhancement, a TOA diversity system eliminates dead spots and provides more stable signal reception. Noise reduction is improved with a squelch function (carrier, noise, tone), and a compander function minimizes ambient noise pickup. For easier operation, a Channel Check function simplifies channel setting operations on wireless microphones used on multiple channels simultaneously. A low battery indicator monitors and indicates microphone battery voltage status.



WT-5800
UHF Wireless Tuner



WT-5805
UHF Wireless Tuner



WT-5810
UHF Wireless Portable Tuner



WT-4820
2-Channel UHF Wireless Tuner



WTU-4800
UHF Wireless Tuner Unit



Optional Accessories



WD-4800
Power/Antenna Distributor

- 2 antenna inputs and 4 distributed outputs
- Supplies power to the antenna



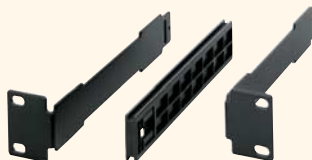
YW-4500
UHF Wireless Antenna

- 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.



MB-WT3
Rack Mount Bracket Kit

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



MB-WT4
Rack Mount Bracket Kit

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



MB-15B
Rack Mount Bracket Kit

- For rack-mounting one WD-4800 unit

VOCAL WIRELESS MICROPHONES

| Vocal | WM-5270 | WM-4200 | WM-4210 |
|----------------------------|---|--|--|
| Microphone Element | Dynamic microphone: Cardioid | Dynamic microphone: Cardioid | Dynamic microphone: Cardioid |
| Channel Selectable | 64 selectable frequencies* ¹ | 64 selectable frequencies* ¹ | 16 CH |
| Maximum Input Level | 142 dB SPL | 145 dB SPL | 130 dB SPL |
| Battery | LR6 (AA) | 6LR61 (9V × 1) | 6LR61 (9V × 1) |
| Finish | Metal, dark gray | Resin, coating (change other's) | Resin, coating (change other's) |
| Dimensions | ø48 × 244 mm | ø52.2 × 279.4 mm | ø50 × 235.2 mm |
| Weight | 340 g (with battery) | 300 g (with battery) | 250 g (with battery) |
| Accessories | Microphone holder (with stand adapter), Storage case, Rolling stopper | Microphone holder (with stand adapter), Storage case | Microphone holder (with stand adapter), Storage case |

SPEECH WIRELESS MICROPHONES

| Speech | WM-5220 | WM-4220 |
|----------------------------|--|--|
| Microphone Element | Electret condenser microphone: Cardioid | Electret condenser microphone: Cardioid |
| Channel Selectable | 16 CH | 16 CH |
| Maximum Input Level | 126 dB SPL | 125 dB SPL |
| Battery | LR6 (AA) | 6LR61 (9V × 1) |
| Finish | Resin, rubber coating | Resin, coating (change other's) |
| Dimensions | ø43.6 × 231.5 mm | ø45 × 235.2 mm |
| Weight | 180 g (with battery) | 250 g (with battery) |
| Accessories | Microphone holder (with stand adapter), Storage case | Microphone holder (with stand adapter), Storage case |

| Speech | WM-5320 | WM-5320H | WM-5320A | WM-4300 |
|----------------------------|---|---|---|---|
| Microphone Element | Electret condenser microphone: Omni-directional | Electret condenser microphone: cardioid | Electret condenser microphone: cardioid | Electret condenser microphone: Cardioid |
| Channel Selectable | 64 selectable frequencies* ¹ | 64 selectable frequencies* ¹ | 64 selectable frequencies* ¹ | 64 selectable frequencies* ¹ |
| Maximum Input Level | 110 dB SPL | 120 dB SPL | 120 dB SPL | 120 dB SPL |
| Battery | LR6 (AA) | LR6 (AA) | LR6 (AA) | 6LR61 (9V × 1) |
| Finish | Resin, coating | Resin, coating | Resin, coating | Resin, coating |
| Dimensions | 62 (W) × 102.5 (H) × 23 (D) mm | 62 (W) × 102.5 (H) × 23 (D) mm | 62 (W) × 102.5 (H) × 23 (D) mm | 62 (W) × 142 (H) × 32 (D) mm |
| Weight | 110 g (with battery) | 130 g (with battery) | 130 g (with battery) | 135 g (with battery) |
| Accessories | Storage case, Neck strap | Storage case, Neck strap | Waist pouch | Storage case |

WIRELESS TUNERS

| | WT-5800 | WT-5805 | WT-5810 |
|------------------------------|--|--|---|
| Power Requirement | AC mains (AC adapter must be used) | AC mains (AC adapter must be used) | AC mains (AC adapter must be used) |
| Channel Selectable | 64 Selectable frequencies | 64 Selectable frequencies | 16CH |
| Receiving System | Double Super-heterodyne | Double Super-heterodyne | Double Super-heterodyne |
| Diversity System | True diversity | Space diversity | Space diversity |
| Mixing Output | MIC: -60 dB* ² , 600Ω, balanced, XLR-3-31 type connector LINE: -20 dB* ² , 600Ω, unbalanced, phone jack | MIC: -60 dB* ² , 600Ω, balanced, XLR-3-31 type connector LINE: -20 dB* ² , 600Ω, unbalanced, phone jack | MIC: -60 dB* ² , 600Ω, balanced, XLR-3-31 type connector LINE: -20 dB* ² , 600Ω, unbalanced, phone jack* |
| Mixing Input | -20 dB* ² , 10 kΩ, unbalanced | -20 dB* ² , 10 kΩ, unbalanced | -20 dB* ² , 10 kΩ, unbalanced |
| Antenna | Whip antenna | Whip antenna | Rod antenna |
| Antenna Input | 75 Ω, BNC, 9 V DC | 75 Ω, BNC, 9 V DC | — |
| Antenna Output | 75Ω, BNC (Gain 0dB) | — | — |
| Receiving Sensitivity | Over 90 dB, S/N ratio | Over 90 dB, S/N ratio | Over 90 dB, S/N ratio |
| Squelch Sensitivity | 18 – 40 dBμ V variable | 18 – 40 dBμ V variable | 18 – 40 dBμ V variable |
| Tone Frequency | 32.768 kHz | 32.768 kHz | 32.768 kHz |
| S/N Ratio | Over 110dB (A-weight, unbalanced output) | Over 110dB (A-weight, unbalanced output) | Over 104dB (A-weight, unbalanced output) |
| Harmonic Distortion | Under 1% (typical) | Under 1% (typical) | Under 1% (typical) |
| Frequency Response | 100 – 15,000 Hz, ±3 dB | 100 – 15,000 Hz, ±3 dB | 100 – 15,000 Hz, ±3 dB |
| Finish | Resin, black | Resin, black | Resin, black |
| Dimensions | 210(W) × 44(H) × 205.1(D) mm | 210(W) × 44(H) × 205.1(D) mm | 206(W) × 40.6(H) × 152.7(D) mm |
| Weight | 700 g | 700 g | 590 g |

| | WT-4820 | WTU-4800 |
|------------------------------|--|-------------------------------|
| Power Requirement | AC mains (AC adapter must be used) | 7 – 12V DC |
| Channel Selectable | 16 CH | 16 CH |
| Receiving System | — | Double Super-heterodyne |
| Diversity System | — | Space diversity |
| Mixing Input | -20 dB* ² , 10 kΩ, unbalanced, phone jack | — |
| Antenna | Whip antenna | — |
| Antenna Input | 75 Ω, BNC, 9 V DC | — |
| Antenna Output | 75Ω, BNC (Gain 0dB) | — |
| Receiving Sensitivity | — | Better than 80 dB, S/N ration |
| Squelch System | — | Noise SQ |
| Squelch Sensitivity | — | 18 dBμ V |
| S/N Ratio | Over 102dB (A-weight, balanced output) | — |
| Harmonic Distortion | Under 1% (typical) | Under 1% (typical) |
| Frequency Response | 50 – 18,000 Hz, ±3 dB | 100 – 12,000 Hz, ±3 dB |
| Finish | Resin, black | Steel |
| Dimensions | 210(W) × 44.2(H) × 181(D) mm | 60(W) × 25(H) × 139(D) mm |
| Weight | 700 g | 130 g |

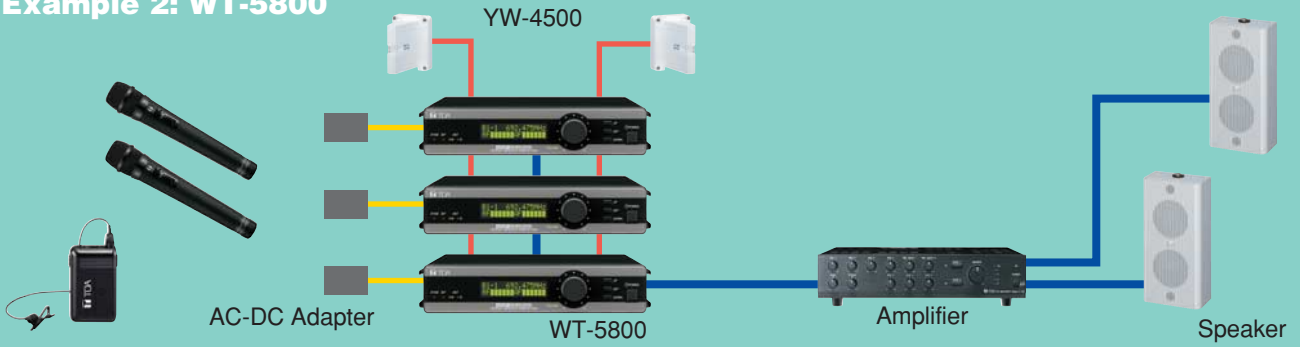
*¹ The number of channels may differ from country to country.

*² 0 dB = 1V

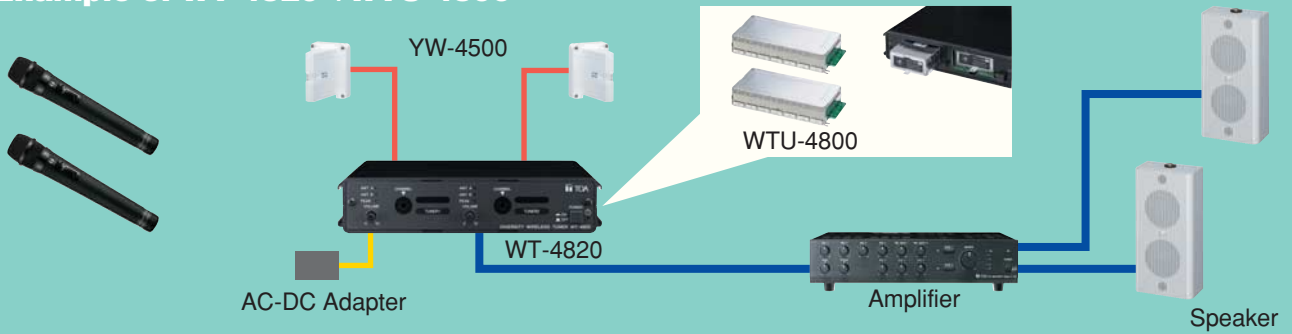
Example 1: WT-5810



Example 2: WT-5800



Example 3: WT-4820 + WTU-4800



UHF Wireless Microphone Sets

WM-5220 + WT-5810

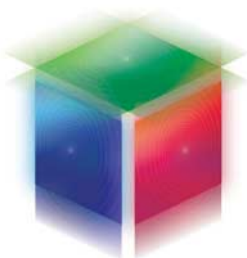
WS-5200

WM-5320 + WT-5810

WS-5300

WM-5320H + WT-5810

WS-5300H



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Sound & Communication

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