



200/300 Series

UHF Wireless Microphone & Tuner Packages



*TOA 200/300 Series wireless microphone
and tuner sets are ready with audio enhancement
as soon as you're ready to start.*

safe&sound



TOA UHF wireless microphone/tuner set optimized for vocal or presentation

The TOA 200/300 Series are matched packages of a wireless microphone and a tuner. Both employ a diversity tuner with a dynamic processor, adjustable squelch, and four switchable UHF frequencies, for crystal-clear sound, undisturbed operation and interference-free reception. The 200 Series "vocal" set comes with a hand-held dynamic cardioid microphone that is easy and comfortable to hold and ensures lively and assertive audio enhancement. The 300 Series "presentation" set is

available in two versions: the WS-300, with an inconspicuous permanently polarized clip-on condenser microphone, and the WS-300H, with a headset microphone. Both sets come with a bodypack transmitter. An omnidirectional pickup on the WS-300 and a unidirectional pickup on the WS-300H ensure optimal speech comprehensibility during lectures, presentations and even theater performances.



WS-200

Handheld Wireless Microphone/Tuner Set

WS-200

- Operating range: 3 m – 120 m.
- Dynamic cardioid handheld microphone.
- Slim and lightweight microphone design.
- Four switchable UHF transmission/receiving frequencies ensure noise-free operation.
- RF carrier power: 10 mW.
- Power supply (microphone): 6LR61.
- Operating time: 10 hrs.
- Dimensions (microphone): $\varnothing 50 \times 273$ mm.
- Weight (handheld microphone): 220 g.
- Diversity tuner technology for highest-quality reception.
- Dynamic processor provides optimally clear sound
- Adjustable squelch feature eliminates unwanted noise.
- Tuner comes in robust metal housing.
- Switching bandwidth: 2 MHz.
- Frequency response of 100 to 15,000 Hz.
- Signal-to-noise ratio: 95 dB(A).
- Less than 1% THD (Total Harmonic Distortion).
- Balanced audio output: XLR, +16 dBu.
- Unbalanced audio output: Phone jack, +10 dBu.
- Power supply: 12V DC nom.
- Dimensions (tuner): $214 \times 35 \times 100.5$ mm.
- Weight (tuner): 580 g.

SPECIFICATIONS

WS-200

UHF Handheld Wireless Microphone/Tuner Set

Product Composition	Handheld wireless microphone × 1, Tuner × 1
Frequency Range	UHF ^{*1}
Channel Selectable	4 channels
Accessory	AC ⌀ DC adapter × 1

Wireless Microphone

Microphone Element	Dynamic unit: Cardioid
RF Carrier Power	Max. 10mW
Modulation System	PLL synthesizer
Battery	6LR61
Battery Life	Approx. 10 hours
Indicator	Battery status LED
Finish	Resin, coating
Dimensions	∅50 × 273 mm
Weight	220 g

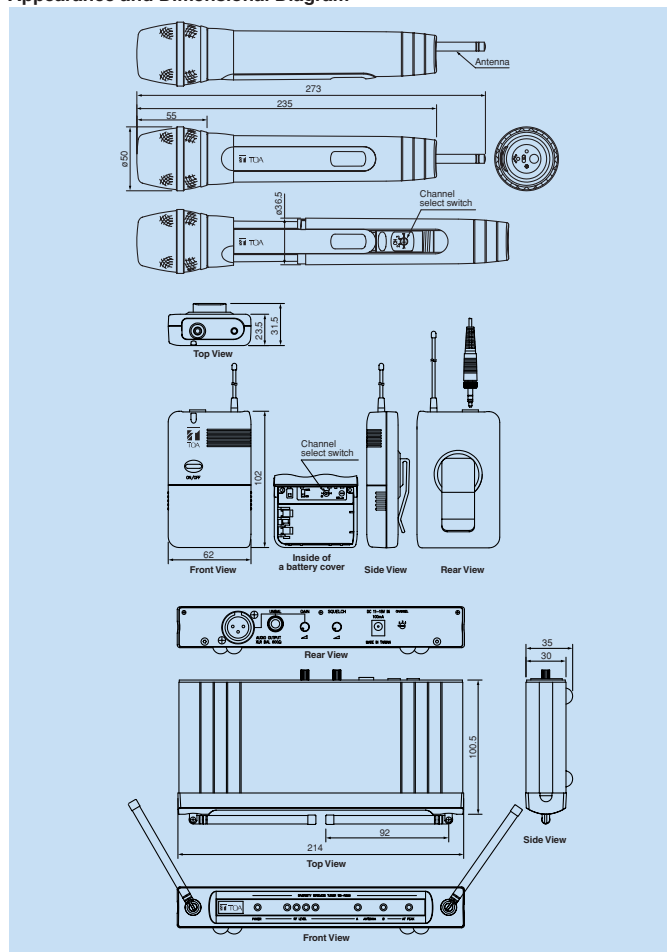
Wireless Tuner

Power Requirement	AC mains (supplied AC-DC adapter must be used)
Power Consumption	100 mA (12 V DC)
Receiving System	Double Super-heterodyne
Audio Output	Balanced output: +16 dB*, 600 Ω, balanced, XLR-3-31 type connector Unbalanced output: +10 dB*, 600 Ω, unbalanced, phone jack
Antenna	Rod antenna
Receiving Sensitivity	Over 90 dB, S/N ratio (20 dBμV input, 40 kHz deviation)
Squelch Sensitivity	18dB40 dBμV variable
Indicator	ANT A/B, Audio (peak), RF level, Power
S/N Ratio	Over 95dB (A-weight, unbalanced output)
Harmonic Distortion	Under 1% (typical)
Frequency Response	100 ⌀ 15,000 Hz, ±3 dB
Operating Temperature	⌀10°C to +45°C
Finish	Front panel: Resin, gray
Dimensions	214 (W) × 35 (H) × 100.5 (D) mm (excluding antenna)
Weight	580 g

*0dB = 0.775 V

*1Frequency range may vary by area.

Appearance and Dimensional Diagram



WS-300

UHF Lavalier Wireless Microphone/Tuner Set

Product Composition	Lavalier wireless microphone × 1, Tuner × 1
Frequency Range	UHF ^{*1}
Channel Selectable	4 channels
Accessory	AC ⌀ DC adapter × 1

Wireless Microphone

Microphone Element	Back electret condenser: Omnidirectional
RF Carrier Power	Max. 10mW
Modulation System	PLL synthesizer
Mic Input Connector	∅3.5 mini jack
Battery	6LR61
Battery Life	Approx. 10 hours
Indicator	Battery status LED
Finish	Resin, coating
Dimensions	62 (W) × 102 (H) × 31.5 (D) mm (excluding antenna)
Weight	90 g

Wireless Tuner

Power Requirement	AC mains (supplied AC-DC adapter must be used)
Power Consumption	100 mA (12 V DC)
Receiving System	Double Super-heterodyne
Audio Output	Balanced output: +16 dB*, 600 Ω, balanced, XLR-3-31 type connector Unbalanced output: +10 dB*, 600 Ω, unbalanced, phone jack
Antenna	Rod antenna
Receiving Sensitivity	Over 90 dB, S/N ratio (20 dBμV input, 40 kHz deviation)
Squelch Sensitivity	18dB40 dBμV variable
Indicator	ANT A/B, Audio (peak), RF level, Power
S/N Ratio	Over 95dB (A-weight, unbalanced output)
Harmonic Distortion	Under 1% (typical)
Frequency Response	100 ⌀ 15,000 Hz, ±3 dB
Operating Temperature	⌀10°C to +45°C
Finish	Front panel: Resin, gray
Dimensions	214 (W) × 35 (H) × 100.5 (D) mm (excluding antenna)
Weight	580 g

*0dB = 0.775 V

*1Frequency range may vary by area.

WS-300H

UHF Headset Wireless Microphone/Tuner Set

Product Composition	Headset wireless microphone × 1, Tuner × 1
Frequency Range	UHF ^{*1}
Channel Selectable	4 channels
Accessory	AC ⌀ DC adapter × 1

Wireless Microphone

Microphone Element	Electret condenser: Unidirectional
RF Carrier Power	Max. 10mW
Modulation System	PLL synthesizer
Mic Input Connector	∅3.5 mini jack
Battery	6LR61
Battery Life	Approx. 10 hours
Indicator	Battery status LED
Finish	Resin, coating
Dimensions	62 (W) × 102 (H) × 31.5 (D) mm (excluding antenna)
Weight	90 g

Wireless Tuner

Power Requirement	AC mains (supplied AC-DC adapter must be used)
Power Consumption	100 mA (12 V DC)
Receiving System	Double Super-heterodyne
Audio Output	Balanced output: +16 dB*, 600 Ω, balanced, XLR-3-31 type connector Unbalanced output: +10 dB*, 600 Ω, unbalanced, phone jack
Antenna	Rod antenna
Receiving Sensitivity	Over 90 dB, S/N ratio (20 dBμV input, 40 kHz deviation)
Squelch Sensitivity	18dB40 dBμV variable
Indicator	ANT A/B, Audio (peak), RF level, Power
S/N Ratio	Over 95dB (A-weight, unbalanced output)
Harmonic Distortion	Under 1% (typical)
Frequency Response	100 ⌀ 15,000 Hz, ±3 dB
Operating Temperature	⌀10°C to +45°C
Finish	Front panel: Resin, gray
Dimensions	214 (W) × 35 (H) × 100.5 (D) mm (excluding antenna)
Weight	580 g

*0dB = 0.775 V

*1Frequency range may vary by area.



TOA Corporation
www.toa.jp

Specifications are subject to change without notice.
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