UHF WIRELESS MICROPHONE SYSTEM

WS-200
HANDHELD WIRELESS MICROPHONE/ TUNER SET



FEATURES
- Dynamic cardioid handheld microphone
- Slim and lightweight microphone design
- Operating range : 3 – 120 m
- Four switchable UHF transmission/receiving frequencies ensure noise-free operation.
- Diversity tuner technology for reliable reception
- Dynamic processor provides optimally clear sound
- Adjustable squelch feature eliminates unwanted noise

WS-300H
HEADSET WIRELESS MICROPHONE/ TUNER SET



FEATURES
- Electret condenser headset microphone with wearable transmitter
- Unidirectional pickup pattern
- Operating range : 3 – 120 m
- Four switchable UHF transmission/receiving frequencies ensure noise-free operation.
- Diversity tuner technology for reliable reception
- Dynamic processor provides optimally clear sound
- Adjustable squelch feature eliminates unwanted noise

WS-300
LAVALIER WIRELESS MICROPHONE/ TUNER SET



FEATURES
- Electret condenser lavalier microphone with wearable transmitter
- Omnidirectional pickup pattern
- Operating range : 3 – 120 m
- Four switchable UHF transmission/receiving frequencies ensure noise-free operation.
- Diversity tuner technology for reliable reception
- Dynamic processor provides optimally clear sound
- Adjustable squelch feature eliminates unwanted noise

DESCRIPTION

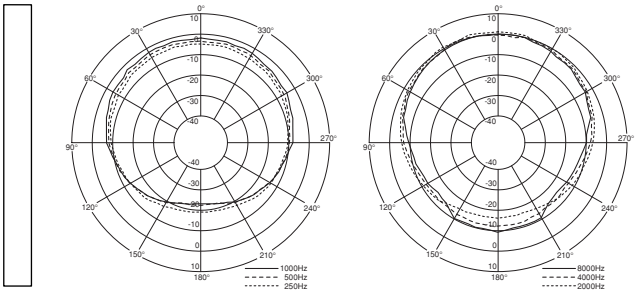
The TOA 200/300 Series are matched packages of a wireless microphone and a tuner. Both employ a diversity tuner with a dynamic processor, adjustable squelch, and four switchable UHF frequencies, for crystal-clear sound, undisturbed operation and interference-free reception. The WS-200 "vocal" set comes 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.

TOA

WS-200 Handheld Wireless Microphone

Microphone Element	Dynamic unit: Unidirectional
Frequency Range	UHF*[1]
Channel Selectable	4 channels
RF Carrier Power	Max. 10mW
Modulation System	PLL synthesizer
Battery	6LR61
Battery Life	Approx. 10 hours
Indicator	Battery status LED
Finish	Resin, coating
Dimensions	ø50 × 272 mm
Weight	220 g

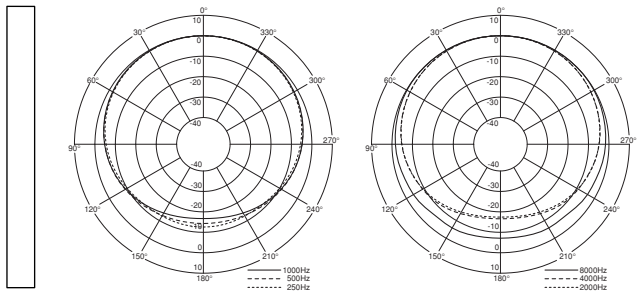
Polar Response



WS-300H Headset Wireless Microphone

Microphone Element	Electret condenser: Unidirectional
Frequency Range	UHF*[1]
Channel Selectable	4 channels
RF Carrier Power	Max. 10mW
Modulation System	PLL synthesizer
Mic Input Connector	ø3.5 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

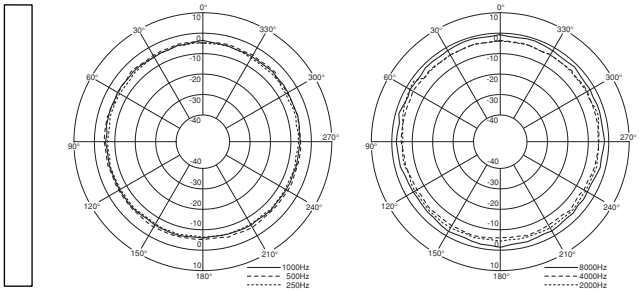
Polar Response



WS-300 Lavalier Wireless Microphone

Microphone Element	Back electret condenser: Omnidirectional
Frequency Range	UHF*[1]
Channel Selectable	4 channels
RF Carrier Power	Max. 10mW
Modulation System	PLL synthesizer
Mic Input Connector	ø3.5 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

Polar Response



Wireless Tuner

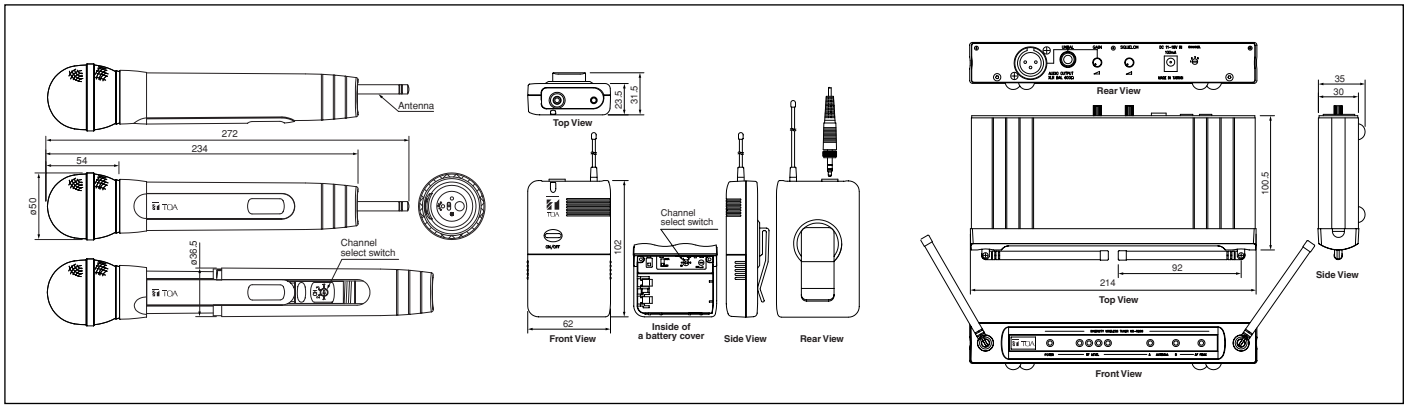
Power Requirement	AC mains (supplied AC-DC adapter must be used)
Power Consumption	100 mA (12 V DC)
Receiving System	Double Super-heterodyne
Audio Output	Balanced output: +16 dB*, 600Ω, balanced, XLR-3-31 type connector Unbalanced output: +10 dB*, 600Ω, unbalanced, phone jack
Antenna	Rod antenna
Receiving Sensitivity	Over 90 dB, S/N ratio (20 dBμV input, 40 kHz deviation)
Squelch Sensitivity	18–40 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
*[1]Frequency range may vary by area.

Sets

WS-200	Handheld wireless microphone × 1, Tuner × 1
WS-300	Lavalier wireless microphone × 1, Tuner × 1
WS-300H	Headset wireless microphone × 1, Tuner × 1

Appearance and Dimensional Diagram



TOA Corporation

URL: www.toa.jp

Specifications are subject to change without notice.
Printed in Japan (0609) 833-61-781-50 u