TOA

UHF WIRELESS SET

WS-5300

■DESCRIPTION

The WS-5300 includes a lavalier wireless microphone WM-5320 and a diversity tuner WT-5810.
The WM-5320 lavalier wireless microphone has been manufactured for use with a UHF system. It employs an omni-directional electret condenser microphone element and has been designed for use in speech reinforcement applications. The built-in compressor-expander circuit minimizes the influence from ambient noise.
The WT-5810 is a PLL-synthesizer controlled double superhetrodyne diversity tuner designed to be used with a UHF wireless system. It employs a compander noise reduction circuit to minimize the influence of ambient RF noise.

■SPECIFICATIONS

Product Composition	Lavalier wireless microphone WM-5320 ···1, Diversity tuner WT-5810 ···1
Frequency Range	636 – 865 MHz(*1), UHF
Tone Frequency	32.768 kHz
Operating Temperature	−10°C to +50°C
Accessory	AC adapter(*2) ···1, Screw driver ···1, Storage case ···1, Neck strap ···1

Wireless Microphone

Microphone Element	Electret condenser microphone, omni-directional pattern
Modulation	Frequency modulation
Channel Selectable	64 channels (the number of channels may differ from country to country)
RF Carrier Power	50 mW or less
Oscillator	PLL synthesized
Maximum Input Level	110 dB SPL (Audio level control: Maximum position)
Battery	LR6 (AA)
Battery Life	10 hours or more (alkaline)
Indicator	Power/Battery lamps
Antenna	Built-in type
Finish	Resin, coating
Dimensions	62 (W) × 102.5 (H) × 23 (D) mm
Weight	110 g (with battery)

Wireless tuner

(*3) 0 dB = 1 V

Power Source	AC mains (supplied AC adapter must be used)
Power Consumption	130 mA (12 V DC)
Channel Selectable	16 channels
Receiving System	Double super-heterodyne
Diversity System	Space diversity
Mixing Output	MIC: −60 dB(*3), 600 Ω, balanced, XLR-3-31 type connector LINE: −20 dB(*3), 600 Ω, unbalanced, phone jack
Mixing Input	−20 dB(*3), 10 kΩ, unbalanced, phone jack
Antenna	Rod antenna
Receiving Sensitivity	90 dB or more, Signal to Noise ratio (20 dBμV input, 40 kHz deviation)
Squelch Sensitivity	18 – 40 dBμV variable
Squelch System	Using together of noise SQ, carrier SQ and tone SQ
Indicator	ANT A/B, Audio (peak), Battery alarm, Channel number
Channel Check	Usable frequencies scanning
Signal to Noise Ratio	104 dB or more (A-weight, unbalanced output)
Harmonic Distortion	1% or less (typical)
Frequency Response	100 – 15,000 Hz, ±3 dB
Finish	Resin, black
Dimensions	206 (W) × 40.6 (H) × 152.7 (D) mm (excluding antenna)
Weight	590 g

(*1)

Type	Frequency Range
A01	692 – 722 MHz, UHF
B01, B02	722 – 752 MHz, UHF
C01 – C07	794 – 830 MHz, UHF
D01 – D05	830 – 865 MHz, UHF
E01	668 – 698 MHz, UHF
F01	636 – 666 MHz, UHF

(*2)

Type	AC Adapter
US	120 V AC, 60 Hz
CN	220 V AC, 50 Hz
ER, UK, AS	230 V AC, 50 Hz

Note: No AC adapter is supplied with the B02ER.

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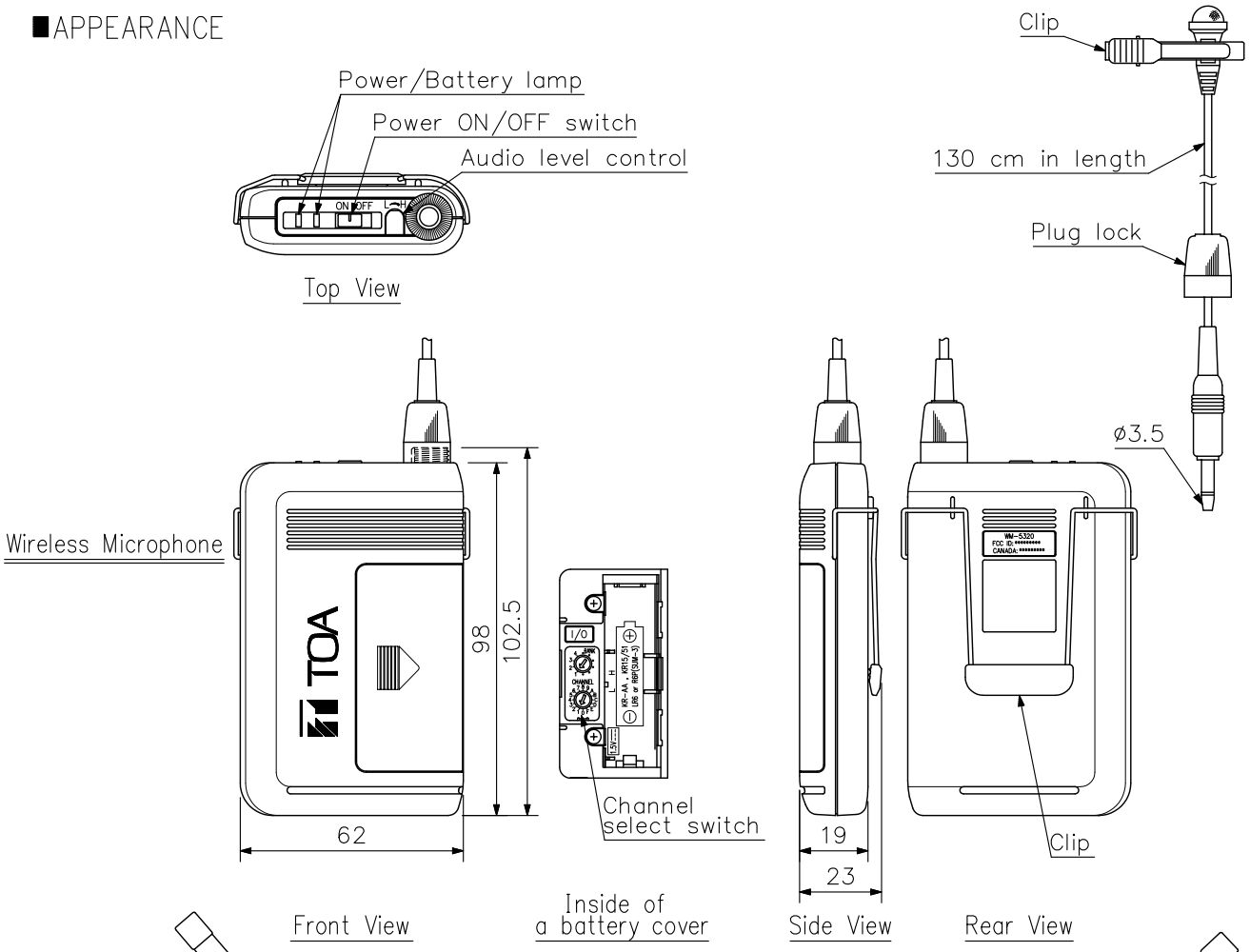
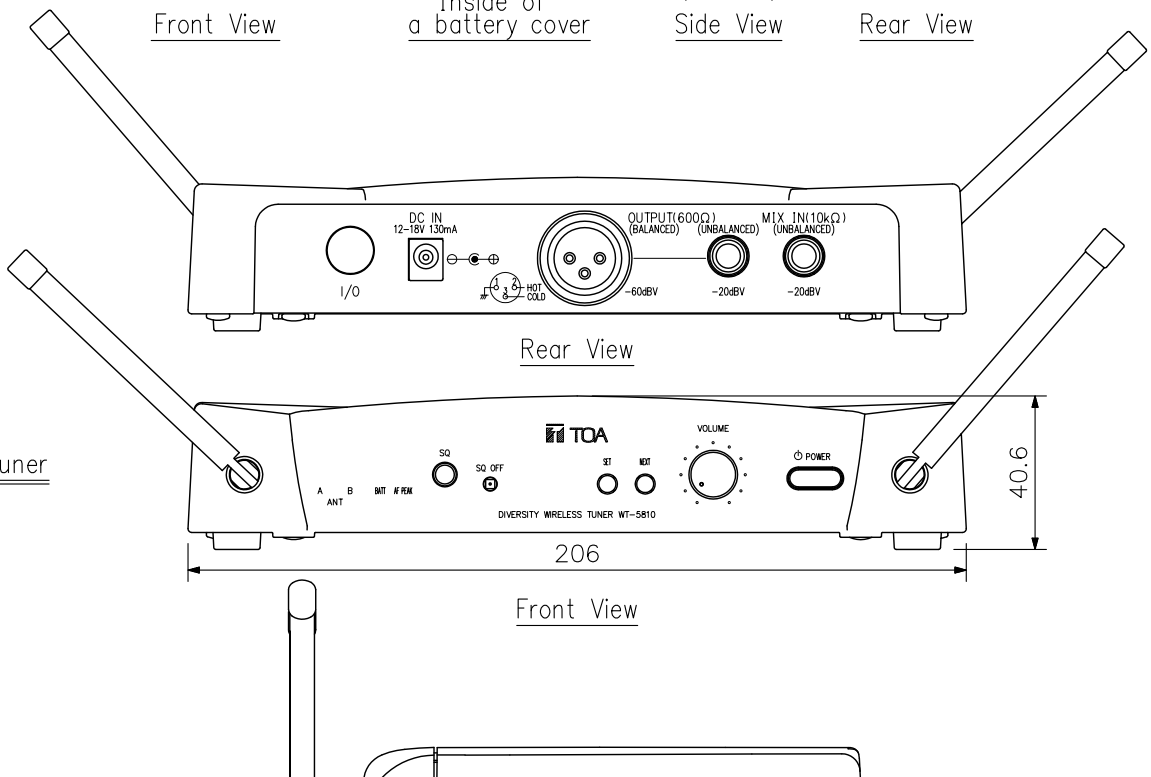
■APPEARANCE





UNIT: mm SCALE: 1/2