

IR-300M Y

INFRARED WIRELESS MICROPHONE



The IR-300M is a hands-free infrared wireless microphone. It eliminates problems with interference or eavesdropping, allowing simultaneous use in adjacent conference rooms or school classrooms. Since infrared wireless microphone system uses a frequency band that does not interfere with that of the TS-800 and TS-900 series infrared conference system, both systems can be simultaneously installed in the same location.

Key features

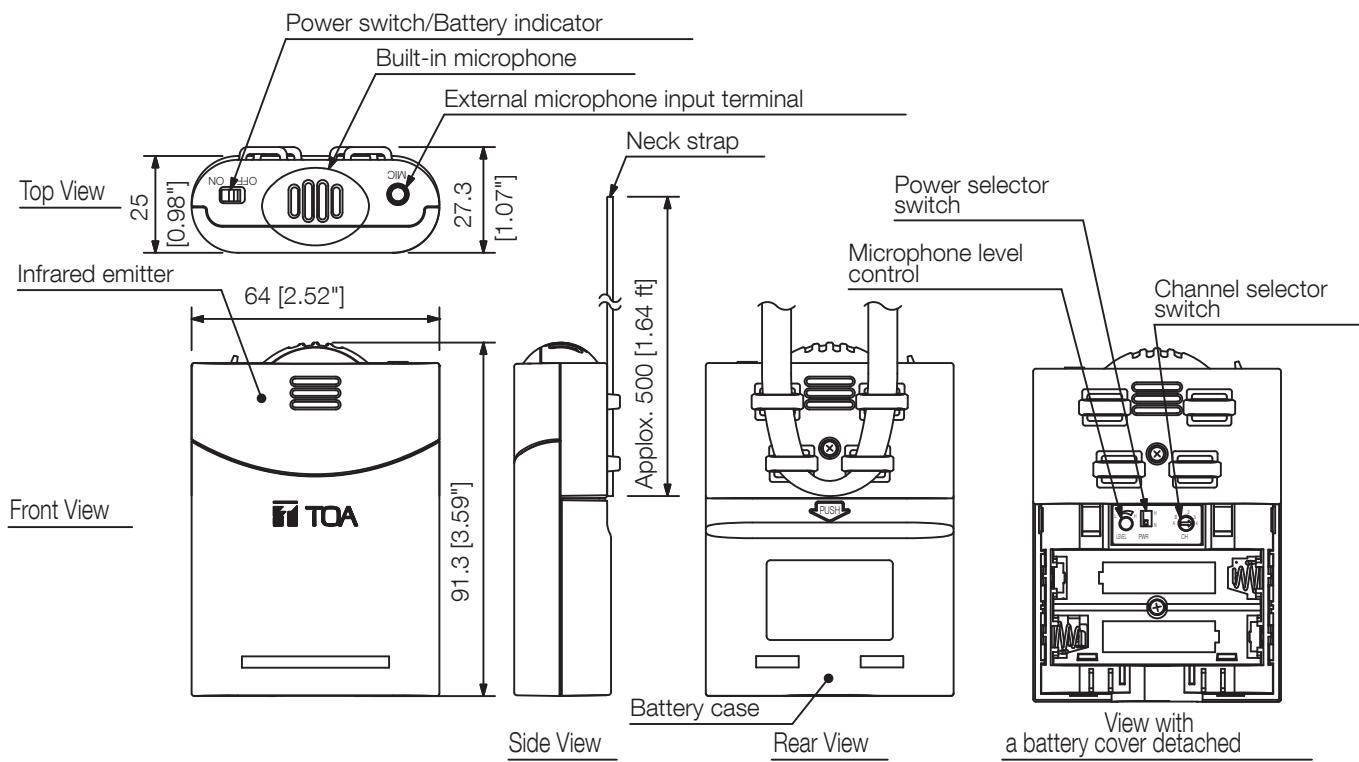
- Ready-to-wear design with neck strap
- Intelligent positioning of the emitter avoids drop-outs through user's handling
- Built-in electret condenser microphone
- Infrared light emission intensity adjustable
- 2 selectable channels
- Antibacterial treatment
- Low-battery indicator
- Connection of optional external microphone possible
- An external MIC input level adjustable

Specifications

Battery	Rechargeable battery for the infrared wireless microphone (option) or AA alkaline dry cell battery (2 pieces).
Current Consumption	Typ. 250 mA (2.4 V, Power selector switch: N) Typ. 340 mA (2.4 V, Power selector switch: H)
Infrared Emitter	
Wavelength	850 nm (AM: Brightness modulation)
Modulation Method	Frequency modulation
Carrier Frequency	Channel A: 3.100 MHz Channel B: 3.350 MHz
Transmission Distance	Approx. 20 m (65 ft) (Power selector switch: H, in an unobstructed space) Approx. 15 m (50 ft) (Power selector switch: N, in an unobstructed space)
Tone Signal	32.768 kHz
Modulation Sensitivity	±4.8 kHz (1 kHz, when SPL of 84 dB is input)
Maximum Input Sound Pressure Level	120 dB SPL
Input Sensitivity Adjustment	Adjustment range: -9 dB to 0 dB (factory preset: 0 dB)
Microphone Element	Unidirectional electret condenser microphone
Frequency Response	100 Hz - 12 kHz
Pre-emphasis	300 µs
Input	External microphone input (#3.5 monaural mini jack)
Battery Life	Approx. 8 h (when the IR-200BT rechargeable battery for the infrared wireless microphone is used, Power selector switch: N) Approx. 6 h (when the alkaline battery is used, Power selector switch: N)
Operating Temperature	0 °C to +40 °C (32 °F to 104 °F)
Operating Humidity	30 % to 85 %RH (no condensation)
Finish	Control section: ABS resin, metallic gray, paint, 50% gloss Filter section: Polycarbonate, optical cut filter
Dimensions	64 (W) x 91.3 (H) x 27.3 (D) mm (2.52" x 3.59" x 1.07")
Weight	130 g (0.29 lb) (with battery and strap)
Included Accessories	Screw driver (for setting) x 1, Color label (6 colors) x 1
Optional Accessories	Battery charger: IR-200BC Ni-MH battery: IR-210BT-2 (containing 2 pieces)

Do not use battery together with rechargeable or dry batteries of different product numbers.
Failure to follow this instruction may result in battery leakage or excessive heat generation.

Dimensions



UNIT:mm

SCALE:1/2

A&E specifications

The pendent-style transmitter model shall be housed in an ABS plastic case measuring 2.5" (W) x 3.6" (H) x 1.1" (D) & weighing .3lbs (incl. batteries & strap). It shall include an integrated omni-directional microphone and also an input for use with an external lapel or headset mic via a 3.5mm mini-jack. There shall be an array of multiple IR LEDs at the front of the housing to facilitate clear transmission. There shall be an internal switch for selecting sensitivity for use with different external microphones. The unit shall have a frequency response of 100Hz to 12kHz and can accept a maximum Sound Pressure Level of 120dB. The unit shall be treated with an anti-bacterial coating to help reduce the likelihood of transmitting common bacterial agents from user to user. An integrated nylon lanyard allows the pendent to be comfortably worn around the user's neck.

The unit shall be called the TOA IR-300M.