IR-200M Y

INFRARED WIRELESS MICROPHONE



The IR-200M is a handheld 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-820 and TS-920 series infrared conference system, both systems can be simultaneously installed in the same location. Possible to use with either Channel A / B / 1 / 2 within the IR-800 voicelift system.

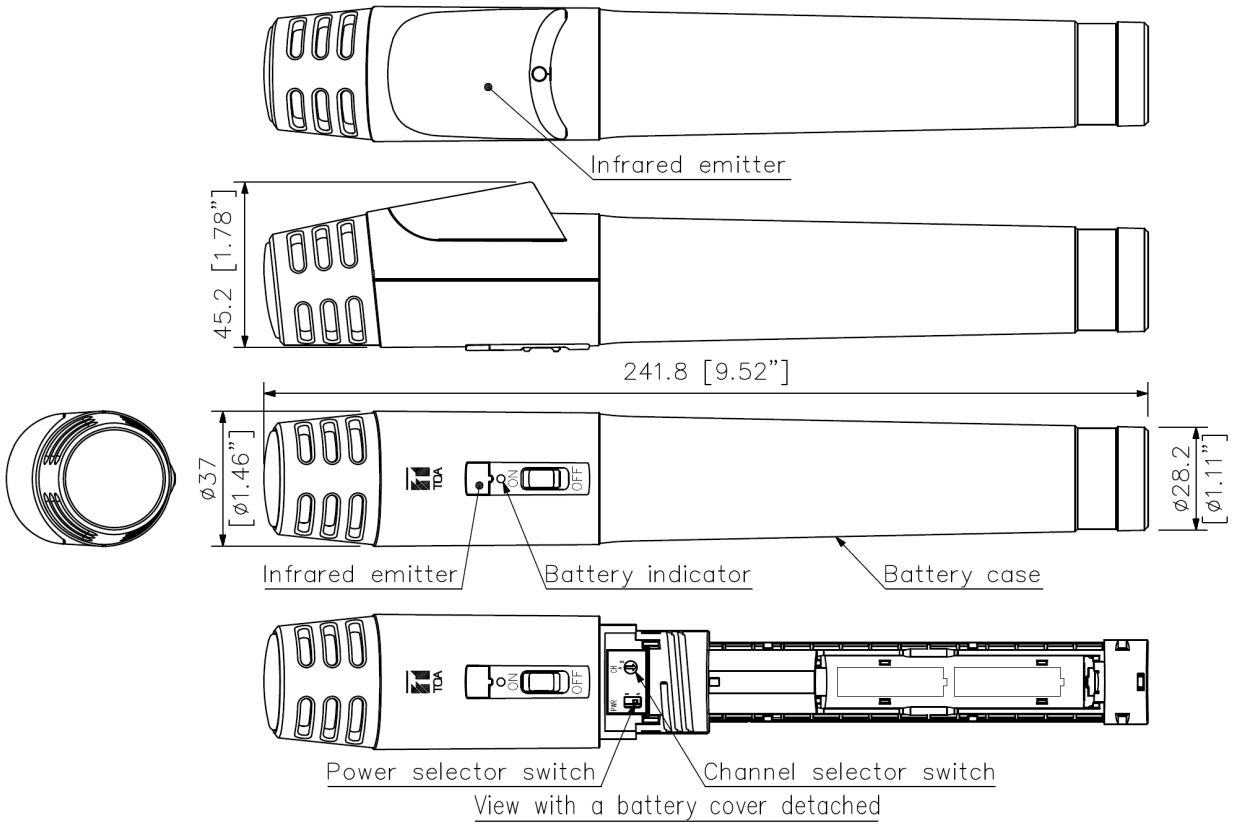
Key features

- Stable voice transmission
- Intelligent positioning of the emitter avoids dropouts through user‘s handling
- Electret condenser microphone unit
- Lightweight
- Infrared light emission intensity adjustable
- Two selectable channels
- Antibacterial treatment
- Low-battery indicator

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	870 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
Microphone Element	Unidirectional electret condenser microphone
Frequency Response	100 Hz - 12 kHz
Pre-emphasis	300 µs
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
Finish	Control section: ABS resin, metallic gray, paint, 50% gloss. Filter section: Polycarbonate, optical cut filter
Dimensions	Ø37 x 241.8 (H) mm (Ø1.46" x 9.52")
Weight	170 g (0.37 lb) (with battery)
Included Accessories	Screw driver (for setting) …1, Color label (6 colors) …1
Optional Accessories	Battery charger: IR-200BC. Ni-MH battery: IR-200BT-2 (containing 2 pieces)

Dimensions



UNIT: mm

A&E specifications

The hand-held-style transmitter model shall be housed in a cylindrical ABS plastic case measuring 1.3” (W) x 5.8“(H) x 0.4” (D) & weighing .4 lbs. (incl. batteries). It shall include an integrated uni-directional condenser microphone for maximum gain-before-feedback. There shall be an array of multiple IR LEDs at the front of the housing and one LED at the rear to facilitate clear transmission regardless of vertical orientation. There shall be an accessible on/off switch on the barrel of the transmitter. The lower portion of the case shall slide open to allow access to the battery compartment and controls for frequency select. There shall also be a switch to select Hi or Low transmission output for compensating for operating distance or battery life. 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. The unit shall be called the TOA IR-200M.