

## IR-802T CU

### INFRARED WIRELESS TUNER



The Infrared Wireless Microphone System using this IR-802T is a PA system designed for use in the school classrooms assuming that their size is about 10 m #83x 10 m (30 ft #83x 30 ft). The IR-802T is a 2-channel Infrared Wireless Tuner employing a fixed frequency system with 3 AUX inputs. It is combined with an infrared wireless microphone and an infrared wireless speaker to make up the infrared wireless microphone system. The infrared wireless microphone system eliminates problems with interference or eavesdropping, allowing simultaneous use in adjacent school classrooms.

### Key features

- Designed for use in the school classrooms assuming that their size is about 10 m x 10 m with simultaneous use in adjacent school classrooms
- Equalizer control knobs for low-, mid- and high-frequency outputs
- Frequency response optimized to reduce acoustic feedback
- 3 AUX inputs for PC, TV/DVD player and MP3 audio player
- Output muting by 25 V speaker line signal from emergency/intercom paging
- Mixing output terminal for ALD (Assistive Listening Device)

## Specifications

\*0 dB = 1 V

Power Source	120 V AC, 50/60 Hz (supplied AC adapter must be used)
Power Consumption	8 W (based on UL standards) Max. 40.8 W (rated output at IR-820SP)
Receiving Frequency	Teacher (Channel A): 3.100 MHz Student (Channel B): 3.350 MHz
Receiver Sensitivity	50 dB or more, Signal to Noise ratio (40 dB $\mu$ V input, 1 kHz modulation, $\pm$ 4.8 kHz deviation)
Signal to Noise Ratio	Tuner: 60 dB or more (60 dB $\mu$ V input, 1 kHz modulation, $\pm$ 4.8 kHz deviation, A-weighted, Equalization: Centered) AUX: 75 dB or more (A-weighted, Equalization: Centered)
Tone Squelch Frequency	32.768 kHz
Input	AUX PC: line, -10 dB*, 10 k $\Omega$ , unbalanced, stereo mini jack (internal mixing) AUX DVD/TV: line, -10 dB*, 10 k $\Omega$ , unbalanced, 2P RCA jack (internal mixing) AUX MP3: line, -10 dB*, 10 k $\Omega$ , unbalanced, stereo mini jack (internal mixing) Mute: 25 V line signals of telephone paging from a school intercom system
Output	ALD (Assistive Listening Device): line, -10 dB*, 10 k $\Omega$ , unbalanced, monaural mini jack Speaker: RJ45 (dedicated terminal for IR-820SP connection)
Audio Frequency Response	Tuner: 100 Hz - 12 kHz, AUX: 100 Hz - 20 kHz
Equalization	High: $\pm$ 10 dB at 10 kHz Mid: $\pm$ 10 dB at 1.3 kHz Low: $\pm$ 10 dB at 100 Hz
Mute Function	Muted by 25 V line signals
LED Indicator	Power (green) x 1, Infrared Reception (yellow) x 2, Mute (red) x 1
Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)
Operating Humidity	90 %RH or less (no condensation)
Finish	Panel: Aluminum, black Case: Steel plate, black
Dimensions	210 (W) x 46 (H) x 312 (D) mm (8.27 x 1.81" x 12.28")
Weight	1.8 kg (3.97 lb)
Included Accessories	AC adapter (DC cord length: 1.8 m (5.91 ft) ...1, AC power cord (2m (6.56 ft) ...1, Volume control cover ...6, Removable terminal plug (2 pins) ...1
Optional Accessories	Half width blank panel: MB-15B-BK

## Dimensions

