

## IR-842PMU-AM

### INFRARED AUDIO SYSTEM MAIN UNIT



The IR-842PMU is a compact, portable infrared classroom soundfield system, designed for use in conjunction with TOA's IR-200M (hand-held), IR-300 (hands-free), or IR-310 (hands-free) infrared wireless microphones, featuring high sensitivity and clear sound.

### Key features

Bluetooth® functionality

## Specifications

Power Source	100 - 240 V AC, 50/60 Hz (use of the supplied AC adapter)
Power Consumption	60 W (120 W max. including sub unit speaker output)
Rated Output	40 W (80 W max. including sub unit speaker output)
Frequency Response	20 - 20 kHz, 3 dB
Amplification System	Class D Amplifier
Total Harmonic Distortion	0.1 % (LPF 20 kHz)
Speaker Component	5.5"full range speaker driver
Infrared Wireless Receiver	
Wavelength	850 nm
Carrier Frequency	Teacher (CH-A): 3.100 MHz Student(CH-B): 3.350 MHz
Communication Area	Approx. 15 m (49.21 ft) in a space without any obstacle and visible between the infrared microphone and receiver
Reception Angle	120 Degrees
Connetion Terminal For External IR Receiver RJ-45	
Audio Input	MIC: -42 dBV, 2.2 k $\Omega$ , electronic balanced, female XLR connector AUX: -10 dBV, 10 k $\Omega$ , stereo pair, unbalanced, headphone jack Bluetooth input: Ver. 5.0, Max. 10m
Audio Output	Sub unit speaker OUT: 23.8 dBV, unbalanced, lever terminal AUX OUT: -10 dBV, 10 k $\Omega$ , stereo pair, unbalanced, headphone jack
Signal to Noise Ratio	Over 70 dB (A weighted)
Phantom Power	+24 VDC, switchable, MIC input
Compliance/Certifications	FCC, ICES
Connection Terminal	RJ-45, 2 Way Spring Speaker Terminal Clip
Indicators	Power(green) x 1, IR CH-A(green) x 1, IR-B(green) x 1, IR CH-A Priority(red) x 1, Bluetooth®(blue) x 1, Phantome power(green) x 1
LED Indicator	Power, IR Transmitters, Bluetooth®, XLR, Bluetooth®, and Phantom Power
Operation	IR CH-A volume control, IR CH-B volume control, MIC volume control AUX IN volume control, AUX OUT volume control, Bluetooth® volume control
Operating Temperature	0 °C to +40 °C (32 °F to 104 °F)
Operating Humidity	Under 90 % RH (no condensation)
Finish	Enclosure: MDF, white, paint Punched net: Surface-treated steel plate, white, paint
Dimensions	218 (W) x 339.6 (H) x 254 (D) mm (8.60" x 13.37" x 9.99")
Weight	4.97 kg (10.96 lbs)
Included Accessories	AC Power Adapter x 1, Wall Mounting Bracket x 1

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