

Wireless Microphones



Sapphire Infrared Transmitter IRT-60N/IRT-60

Sapphire Pendant infrared transmitter/microphone with rechargeable Lithium-ion polymer battery and unidirectional microphone for true voice reproduction and excellent feedback suppression.

Specifications

Transmission Carrier	Infrared
Transmission Frequencies	2.08 MHz & 2.54 MHz
Channel Selection	Field Switchable
Transmitting Diodes	Six
Wavelength	850 nm
Modulation	FM Wide-Band
Frequency Response	100 Hz - 10 KHz
Pilotone Frequency	32.768 KHz
Peak Deviation	± 25 KHz
Dynamic Range	95.5 dB @ 2.8% THD
Operating Range	60 Ft. line of sight
Latency (mic to speakers)	0.87 ms
Battery Used	Lithium-ion polymer (3.7V / 620mAh)
Battery Life	8 Hrs/Charge
External Power Charger	5V DC Micro USB Connector
Transmission Angle	180° Conical
User Controls	
Power (On/Off)	Press & Hold
Mute Switch (On/Off)	Momentary Press (blinks when muted)
Add'l Mic Gain Control	Normal, -3dB, -6dB
Audio Source Vol./Gain	Increase, Decrease
Channel Select	(A or B) in battery compartment
External Mic/Aux Input	3.5mm Line Level
Dimensions (H x W x D)	3.5" x 1.25" x 0.75"
Weight	1.4 oz including battery

Features

- Elegant design for all-day comfort
- Auxiliary input (3.5mm) for line in audio device or external mic
 - *Sapphire automatically detects line in vs. mic*
 - Supported External Mic: *electret type, 600-1000 ohm recommended; (1500 ohm max); 3 V supply to external mic.*
- Low profile clip for mounting to lapel, pocket, or lanyard
- Security Alert Function
 - Works with compatible intercom/PA systems
 - Press & Hold "Priority Button" for 5 seconds to activate
- Teacher Priority over aux/line inputs
 - Audio input volume is "ducks down" to a low level when pressed so that the teacher can talk over the audio
- Battery Discharge Indicator
 - Blue - full
 - Purple - medium
 - Red - low
 - Flashing Red - very low
- Two transmission channels: labeled A (2.08 MHz) & B (2.54 MHz)
- Fine adjustment mic gain control with 3 settings: Normal, -3db, -6dB
- Priority Switch features function with *Matrix, Forum232, Maxim III and Spectrum III Receiver/Amplifier*