

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*