

# Sapphire

Just the little mic you've been looking for



The new crown jewel of infrared transmitters for classrooms

- 1.4 ounces (with battery)
- Rechargeable lithium battery
- Micro USB charging capability
- Exceptional gain before feedback
- Compatible with all existing TeachLogic Infrared Systems

**TeachLogic**  
FOR SOUND LEARNING

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# Sapphire Infrared Transmitter IRT-55



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

## Specifications

|                             |                                  |
|-----------------------------|----------------------------------|
| Transmitter Carrier         | Infrared                         |
| Transmission Frequencies    | 2.08 MHz and 2.54 MHz            |
| Channel Switchable A or B   | Field Switchable                 |
| Transmitting Diodes         | Six                              |
| Modulation                  | FM Wide-Band                     |
| Pilot Tone Frequency        | 32.768 KHz                       |
| Peak Deviation              | ± 25KHz                          |
| Operating Range             | 1,500 Ft. ± 60 Ft. Line of Sight |
| Battery Discharge Indicator |                                  |
| Blue                        | Full                             |
| Purple                      | Medium                           |
| Red                         | Low                              |
| Flashing Red                | Very Low Battery                 |
| Battery Used                | Lithium-ion (3.7V / 620mAh)      |
| Battery Life                | Approx. 8-9 Hrs/Charge           |
| External Power Charger      | DC +5V, Micro USB Connector      |
| Transmission Angle          | 180° Conical                     |
| User Controls               |                                  |
| Power Switch (Push)         | On/Off                           |
| Mute Switch (Push)          | On/Off                           |
| Mic Switch (3 position)     | + 6db, Normal, - 3db             |
| Aux. Vol./Gain              | Increase, Decrease               |
| Channel Select              | (A or B) in battery compartment  |
| External Aux Input          | 3.5mm Stereo Line Level          |
| Dimensions (H x W x D)      | 3 in x 1 ¼ in x ¾ in             |
| Weight                      | 1.4 oz including battery         |

## Features

- Elegant Design
- Only 1.4 oz. including battery
- Long life "Lithium ion" battery
- Rechargeable via micro USB cable
- Battery level indicator
  - Back light under power switch
- Momentary mute button,
  - Backlight blinks in mute mode
- Push "on/off" power
- Channel A or B selectable
- Three level mic volume switch
  - (low, medium, high)
- Auxiliary input (3.5mm)
- Low profile clip for mounting
- Wear with a lanyard or directly to neckline collar