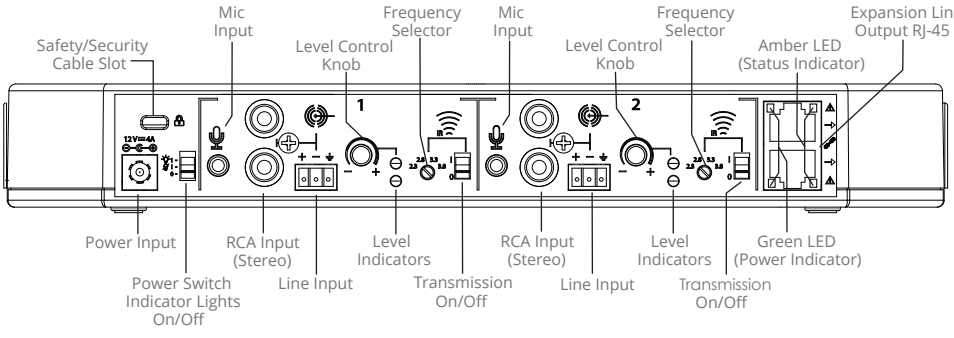
# Quick Start Guide

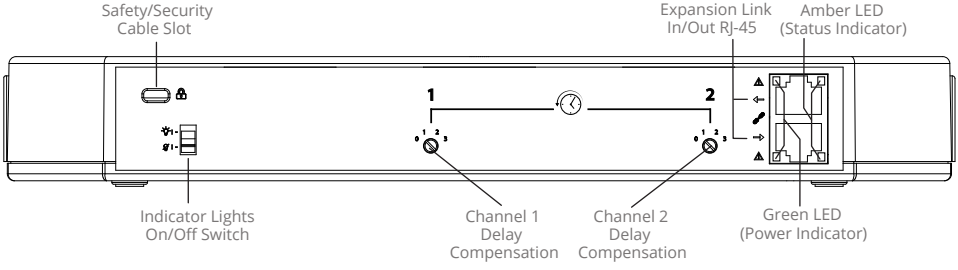
## LT-84 ListenIR Transmitter/Radiator Combo
## LA-141 ListenIR Expansion Radiator

LISTEN TECHNOLOGIES

## LT-84 Rear View




## LT-141 Rear View




## Determine Unit Placement

Determine the optimum location where the LT-84 and LA-141 units will cover the intended area. Preferably, mount the units above and point them towards the listening audience. Units cannot be concealed behind walls, curtains, or treated glass, as Infrared (IR) light needs a clear line-of-sight path to the receiver for best performance.

## Mounting Options

The units can be mounted on the ceiling, wall, or desk with the mounting hardware (included). The threaded connectors on the top and bottom of the units are a standard size which fits most camera tripods. These threaded connectors can also be used to connect two units together.

## LT-84 Setup

1. Plug power supply into the unit.
2. Connect desired audio input signal to one of the three input connector types on channel 1, 2, or both.

3. Turn power switch to the “indicator lights on” position*
4. Adjust audio level input knob until the audio level LEDs are solid green with an occasional red flicker with audio peaks.
5. Select the desired transmission frequency and turn on the channel transmission switch.

*Once the unit is adjusted, the power switch can be turned to the “indicator lights off” position, if desired.

Note: The LT-84 and receivers need to be on the same frequency/channel for proper operation.

## LA-141 Setup

1. Turn the LT-84 power switch to the off position.
2. Connect the LA-141s to the LT-84 via a CAT-5e 24 AWG cable with the provided snap-on Ferrite Core.†
3. Turn the LT-84 and LA-141 power switches to the “indicator lights on” position.‡

†Up to 2 LA-141s can be daisy chained to each Expansion Link Output RJ-45 connector with a daisy chain maximum cable length of 100 ft. (30 m).

‡Under normal operation the green and amber LEDs on the RJ45 connector of both the LT-84 and LA-141 will be illuminated.

## Set Delay Compensation

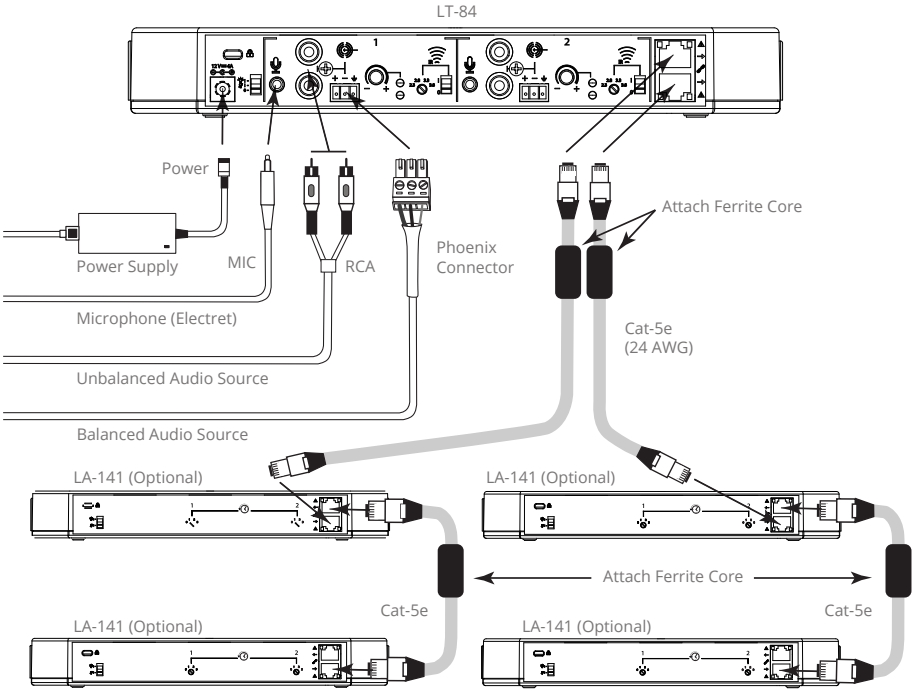
For a single channel application, set both channel 1 and 2 delay compensation switches to the same setting. For a two-channel application, set delay compensation switches for channel 1 and 2 independently. Pick appropriate frequency row, then select the column that describes the overall cable distance from the LT-84 to the LA-141 being set. This is the appropriate delay compensation switch setting.

## Delay Compensation Switch Setting

| Cable Length | 1 to 9 ft. 0.3 to 2.8 m | 10 to19 ft. 3 to 5.8 m | 20 to 29 ft. 6 to 8.8 m | 30 to 39 ft. 9.1 to 11.9 m | 40 to 49 ft. 12.2 to 14.9 m |
|---|---|---|---|---|---|
| 2.3 MHz | 0 | 3 | 3 | 3 | 3 |
| 2.8 MHz | 3 | 3 | 3 | 3 | 3 |
| 3.3 MHz | 3 | 3 | 2 | 2 | 2 |
| 3.8 MHz | 2 | 2 | 2 | 2 | 2 |

| Cable Length | 50 to 59 ft. 15.2 to 18 m | 60 to 69 ft. 18.3 to 21m | 70 to 79 ft. 21.3 to 24 m | 80 to 89 ft. 24.4 to 27.1 m | 90 to 100 ft. 27.4 to 30.5 m |
|---|---|---|---|---|---|
| 2.3 MHz | 3 | 3 | 3 | 3 | 3 |
| 2.8 MHz | 2 | 2 | 2 | 2 | 2 |
| 3.3 MHz | 2 | 2 | 1 | 1 | 1 |
| 3.8 MHz | 1 | 1 | 1 | 1 | 0 |

## Connection




For more detailed information see user's manual:
**http://www.listentech.com/support/manuals/**

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