LiteBeam® AC LR

5 GHz airMAX® AC Long-Range CPE with InnerFeed® Technology

Model: LBE-5AC-LR

QUICK START GUIDE

Introduction

Thank you for purchasing the Ubiquiti Networks® LiteBeam® 5AC LR. This Quick Start Guide is designed to guide you through installation and also includes warranty terms.

Package Contents

Antenna Feed

Center Reflector Panel

Side Reflector Panels (Qty. 2)

Mounting Bracket

Feed Receiver

Side Plates (Qty. 2)

Screws (Qty. 8)

Bolts (Qty. 4)

Nuts (Qty. 4)

Metal Straps (Qty. 3)

Gigabit PoE (24V, 0.3A) with Mounting Bracket

Power Cord

Installation Requirements

- Phillips screwdriver
- 13 mm wrench
- 7 mm socket wrench or screwdriver
- Shielded Category 5 (or above) cabling with drain wire should be used for all wired Ethernet connections and should be grounded through the AC ground of the PoE.

  We recommend that you protect your networks from harmful outdoor environments and destructive ESD events with industrial-grade, shielded Ethernet cable from Ubiquiti Networks. For more details, visit **www.ubnt.com/toughcable**

- Surge protection should be used for all outdoor installations. We recommend that you use two Ethernet Surge Protectors, model ETH-SP, one near the LiteBeam and the other at the entry point to the building. The ETH-SP will absorb power surges and safely discharge them into the ground.

LBE-5AC-LR

ES-8-150W

ETH-SP

ETH-SP

To LAN
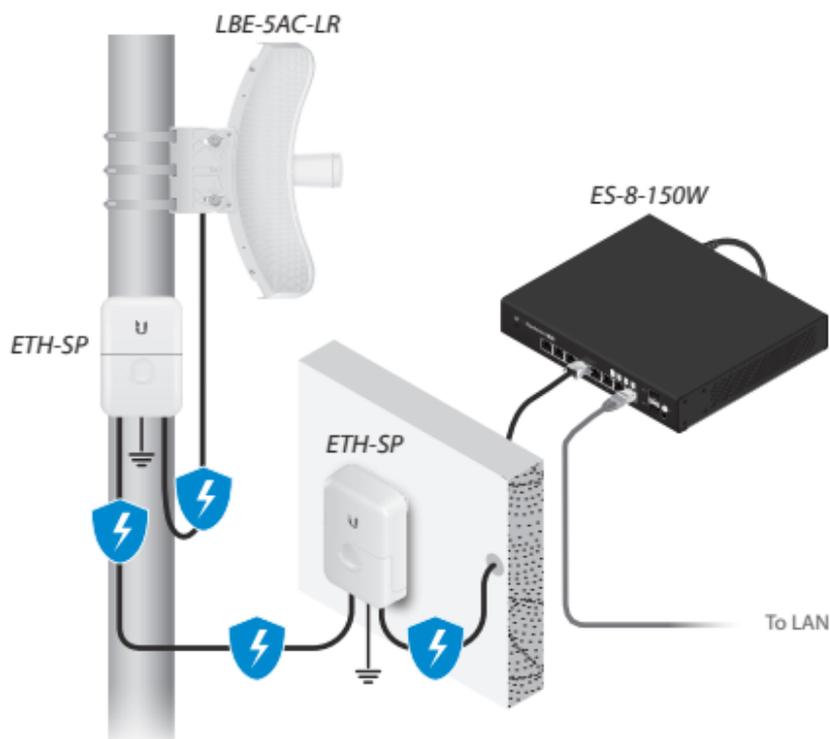
Application Examples

The LiteBeam mounted outdoors with the reflector installed provides directional outdoor coverage (gain reflector-dependent).
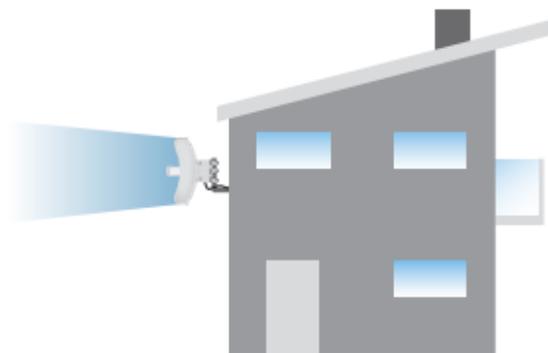
The LiteBeam mounted outdoors without the reflector installed provides outdoor-to-indoor coverage using the 3 dBi *Antenna Feed* only.
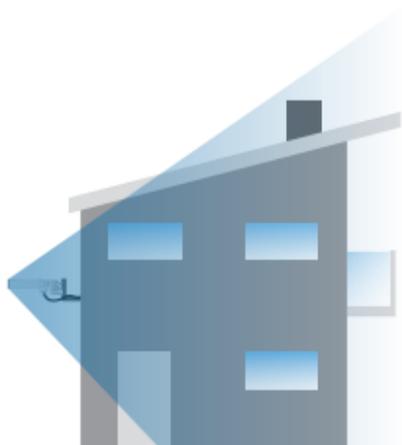
Hardware Overview

Bottom View

LEDs

InnerFeed®
Technology

Reset Button

Ethernet Port

Antenna Feed

Reflector Assembly

Port Cover

Feed Receiver

Side Plates

Mounting Bracket
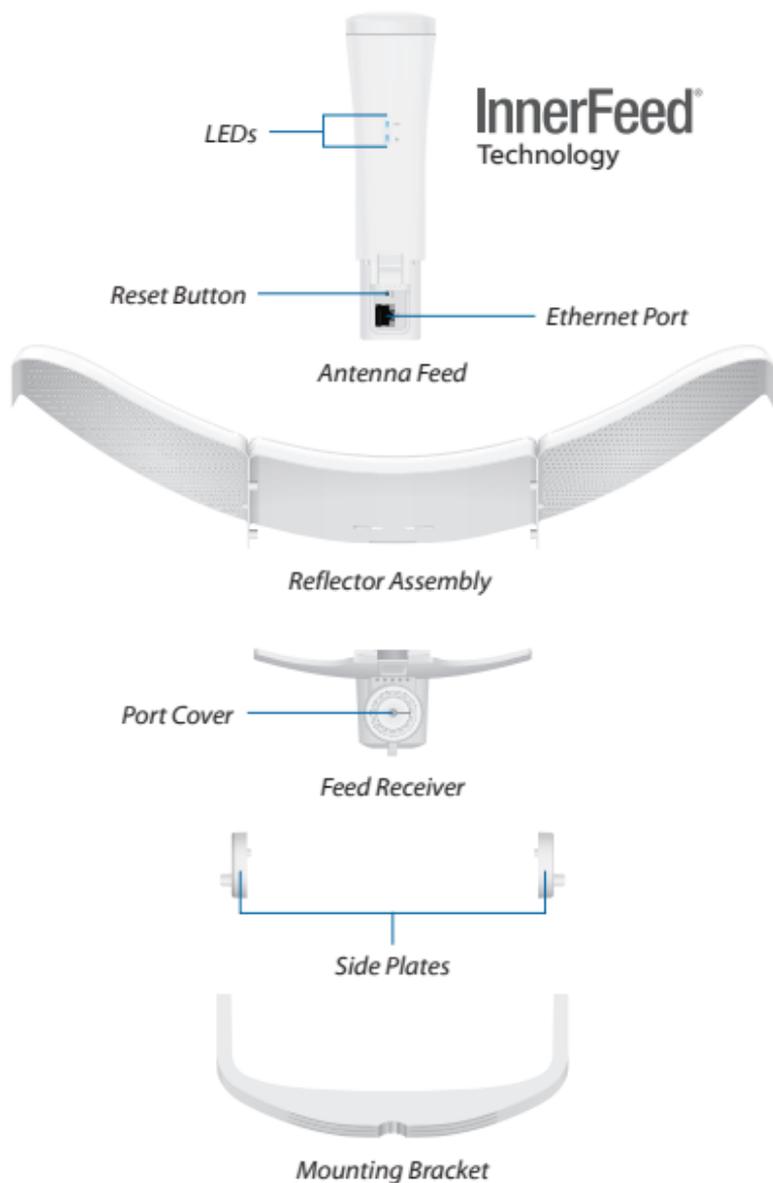
LEDs

‹··› **Ethernet** The LED will light steady blue when an active Ethernet connection is made and flash when there is activity.

⏻ **Power** The LED will light blue when the device is connected to a power source.

Button

Reset To reset to factory defaults, press and hold the *Reset* button for more than 10 seconds while the LiteBeam is powered on. The LiteBeam may also be reset remotely using the auxiliary *Reset* button located on the bottom of the *Gigabit PoE* adapter.

Port

Ethernet Supports 10/100/1000 connections and passive PoE. This port should be connected to the LAN and DHCP server.

Hardware Installation

The LiteBeam was designed for outdoor use and quick mounting on a pole.

1. Assemble the antenna reflector by attaching the *Side Reflector Panels* to the *Center Reflector Panel*:

   a. Insert the two locating pins on the *Center Reflector Panel* into the corresponding holes of the *Side Reflector Panel*.
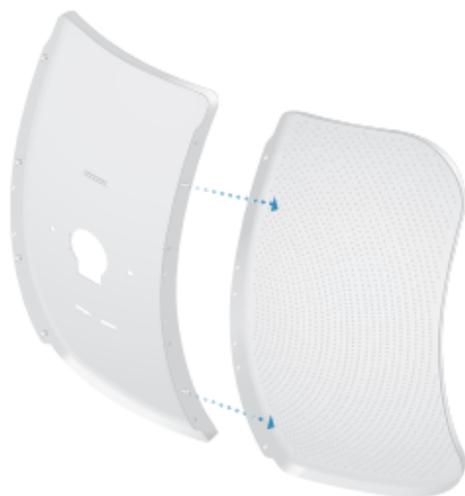
   b. Use two *Screws* to fasten the top and bottom of the two panels.

   c. Repeat the assembly for the other *Side Reflector Panel*.

2. Use two *Screws* to fasten each *Side Plate* to the panel assembly.

3. Hold the reflector assembly by hand (do not use a tabletop or flat surface) and insert the *Feed Receiver*:

    a. Line up the three snap hooks and two mounting studs of the *Feed Receiver* with the corresponding slots and holes of the *Center Reflector Panel*.
    b. Press the snap hooks into the slots and insert the heads of the two mounting studs into the corresponding holes.

⚠ **WARNING:** Do not install the *Feed Receiver* into the reflector assembly by pushing down onto a tabletop or other flat surface as this can deform the panels. Hold the reflector assembly by hand.