



# LiteBeam™ ac

5 GHz, 23 dBi airMAX® CPE  
with InnerFeed® Technology

Model: LBE-5AC-23

QUICK START GUIDE

## Introduction

Thank you for purchasing the Ubiquiti Networks® LiteBeam™ ac. 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)



Feed Receiver



Ball Joint Mount



Metal Strap



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



Power Cord



Quick Start Guide

Products may be different from pictures and are subject to change without notice.

**TERMS OF USE:** Ubiquiti radio devices must be professionally installed. Shielded Ethernet cable and earth grounding must be used as conditions of product warranty. TOUGH Cable™ is designed for outdoor installations. It is the customer's responsibility to follow local country regulations, including operation within legal frequency channels, output power, and Dynamic Frequency Selection (DFS) requirements.

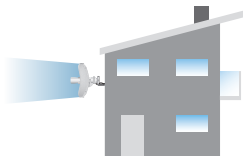
## Installation Requirements

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

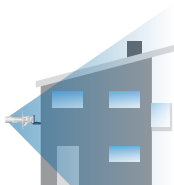
We recommend that you protect your networks from harmful outdoor environments and destructive ESD events with industrial-grade, shielded Ethernet cable from Ubiquiti Networks. For more details, visit [www.ubnt.com/toughcable](http://www.ubnt.com/toughcable)

## Application Examples

The LiteBeam ac mounted outdoors with the reflector installed provides directional outdoor coverage (gain reflector-dependent).



The LiteBeam ac mounted outdoors without the reflector installed provides outdoor-to-indoor coverage using the 3 dBi *Antenna Feed* only.



# Hardware Overview

## Bottom View

**InnerFeed<sup>®</sup>**  
Technology

LEDs

Reset Button

Ethernet Port

Antenna Feed

Reflector Assembly

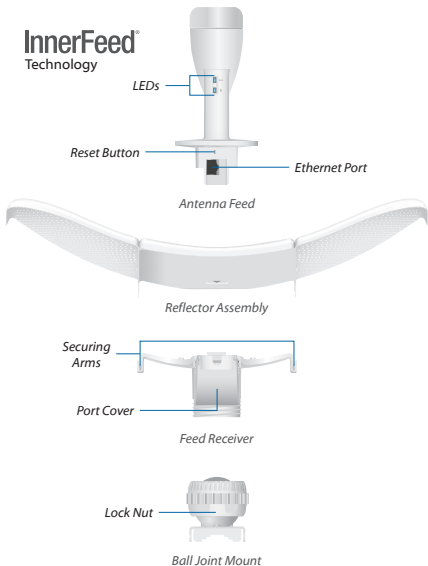
Securing  
Arms

Port Cover

Feed Receiver

Lock Nut

Ball Joint Mount



## LEDs



- $\langle \dots \rangle$  **Ethernet** The LED will light steady blue when an active Ethernet connection is made and flash when there is activity.
- $\text{⏻}$  **Power** The LED will light blue when the device is connected to a power source.

## Button

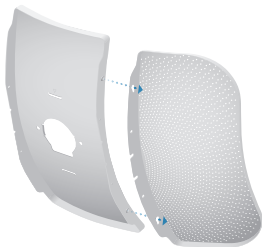
**Reset** To reset to factory defaults, press and hold the *Reset* button for more than 10 seconds while the LiteBeam ac is already powered on. Alternatively, the LiteBeam ac may be reset remotely via a *Reset* button located on the bottom of the *Gigabit PoE* adapter.

## Port

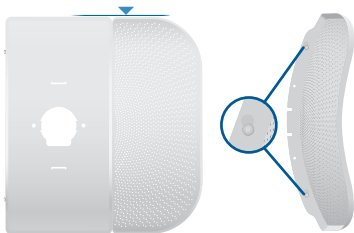
**Ethernet** Supports 10/100/1000 connections and passive PoE. This port should be connected to the LAN and DHCP server.

## Hardware Installation

1. Assemble the antenna reflector by attaching the *Side Reflector Panels* to the *Center Reflector Panel*:
  - a. Insert the heads of the two mounting studs on the *Center Reflector Panel* into the large opening of the slotted holes of a *Side Reflector Panel*.

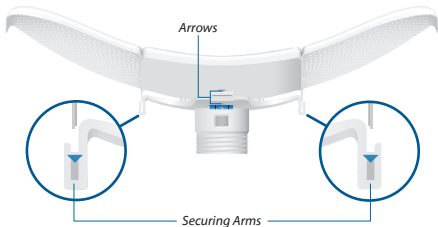


- b. Slide the *Side Reflector Panel* down until the top edges of the panels align. The *Side Reflector Panel* is captured when both heads of the mounting studs are positioned over the narrow opening of the slotted holes.

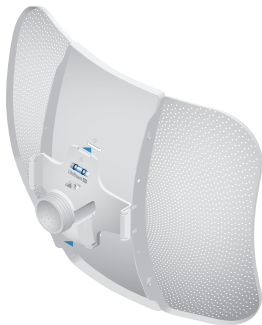


- c. Repeat the assembly for the other *Side Reflector Panel*.

2. Hold the reflector assembly by hand (do not use a tabletop or flat surface) and insert the *Feed Receiver* into the reflector assembly to secure the panels:
  - a. Align the arrows on the *Center Reflector Panel* and the *Feed Receiver*, and insert both edges of the *Side Reflector Panels* and *Center Reflector Panels* into the *Securing Arms* of the *Feed Receiver*.



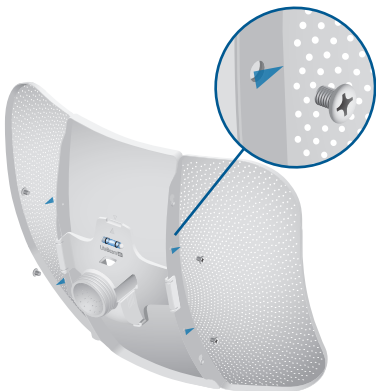
- b. Insert the *Feed Receiver* into the *Center Reflector Panel* by pressing the top and bottom snap hooks into the slots of the *Center Reflector Panel*.



- !** **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.

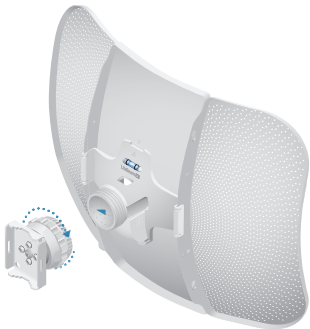


3. (Optional) For additional support, attach four M3x4 self-tapping screws (not included) to the antenna assembly.





4. Attach the *Ball Joint Mount* to the *Feed Receiver* by turning the lock nut clockwise by hand. Do not tighten the nut.



5. Insert the *Antenna Feed* into the *Feed Receiver* until the feed locks into place.

