



AF-5G23-S45 Quick Start Guide

Package Contents



airFiber X Antenna



Protective Shroud



Mount Bracket



Clamp Bracket



U-Bolt



Cable Tie



Hex Bolts with Washer Set
(Qty. 4)



Flange Nuts (Qty. 2)



Hex Nuts (Qty. 2)

Installation Requirements

- 5 GHz airFiber radio (sold separately)
- 13 mm wrench

Other Requirements

- Clear line of sight between airFiber radios
- Clear view of the sky for proper GPS operation
- Vertical mounting orientation

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- For tower installations, at least 3 m below the top of the tower
- Ground wires – min. 10 AWG (5 mm²) and max. length: 1 m. As a safety precaution, ground the airFiber radio to grounded masts, poles, towers, or grounding bars.



WARNING: Failure to properly ground your airFiber radio will void your warranty.

- (Recommended) 2 Outdoor Gigabit PoE surge protectors



Note: For guidelines about grounding and lightning protection, follow your local electrical regulatory codes.

- Outdoor, shielded Category 6 (or above) cabling and shielded RJ-45 connectors are required for all wired Ethernet connections.

Hardware Installation



IMPORTANT: Handle the antenna with care. Deformations in its reflector may reduce the antenna's effectiveness.

1.



2.



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3.



Note: The GPS antenna is included with the airFiber radio.

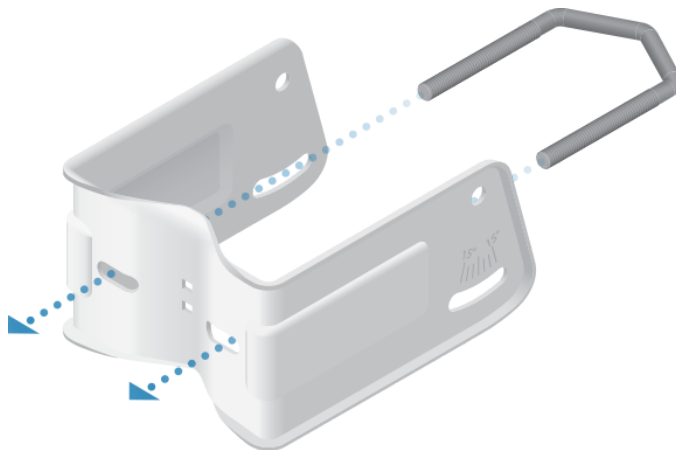
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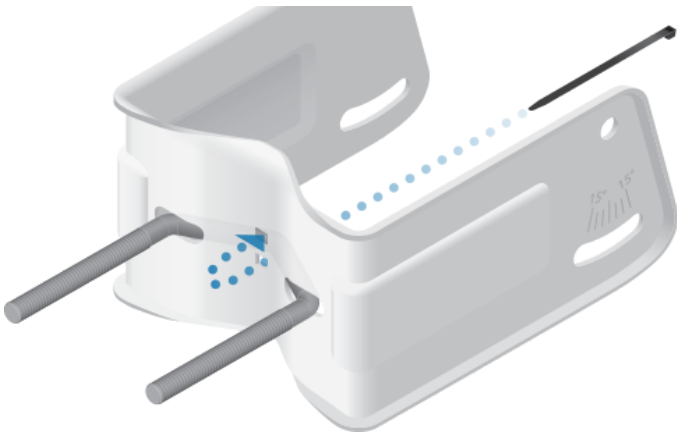
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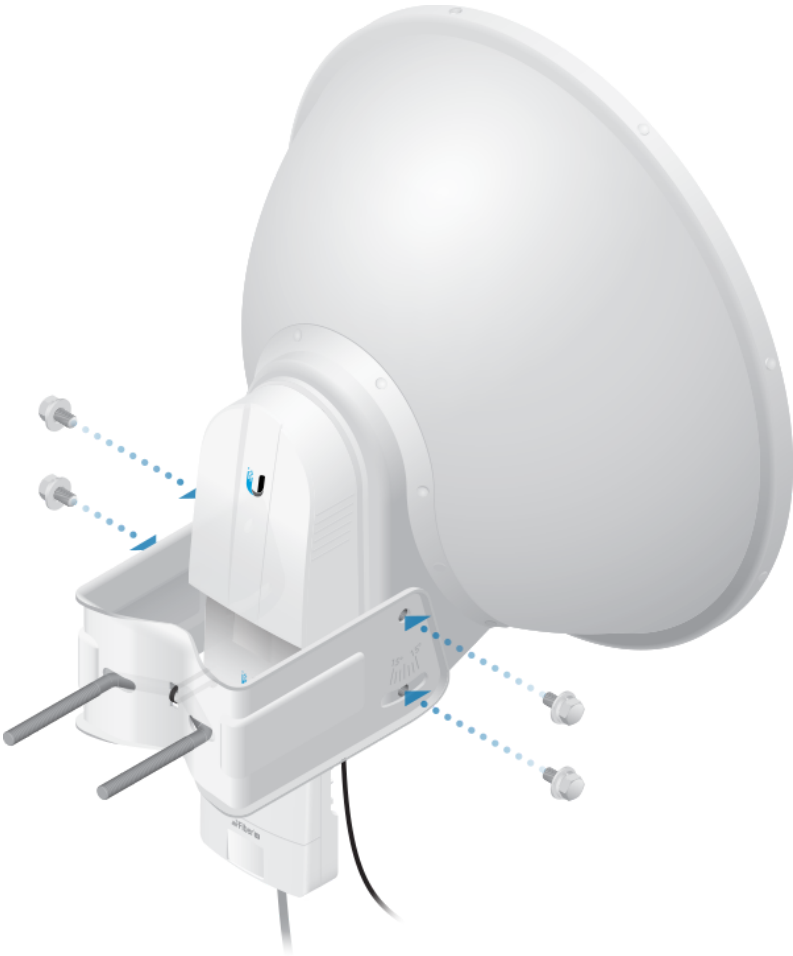
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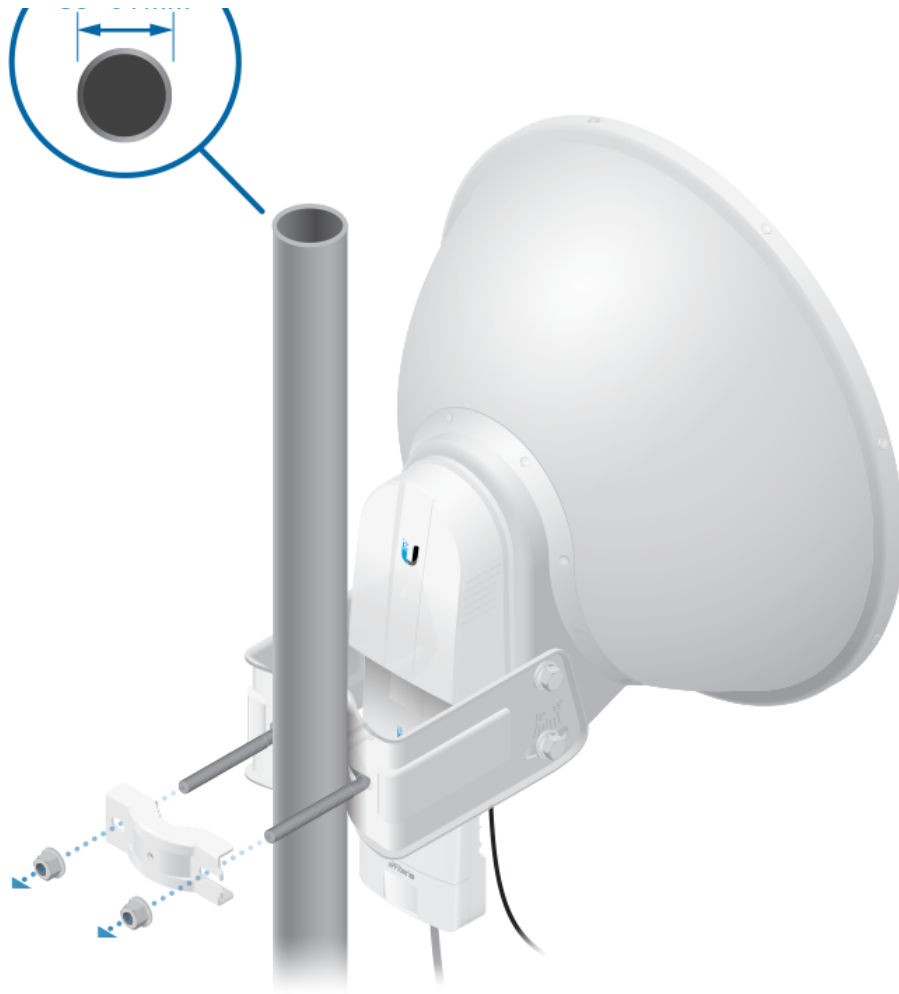
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8.



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Aligning the Antenna

Optimize the airFiber link by adjusting one end of the link at a time. Refer to the airFiber X radio Quick Start Guide for additional details.

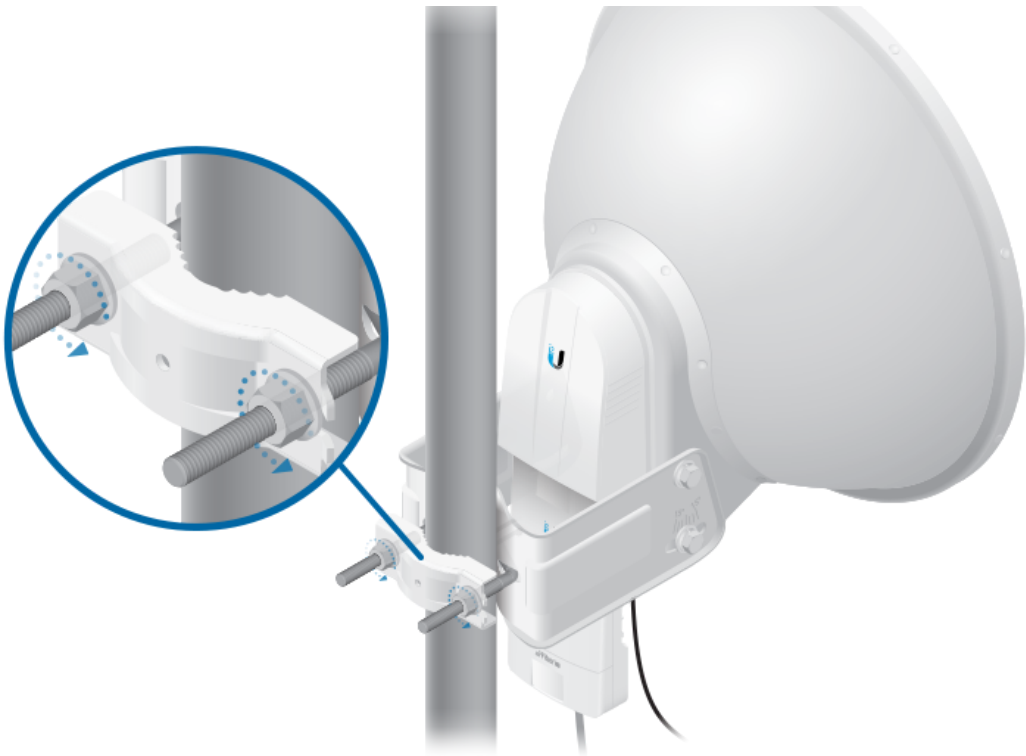


Note: Repeat steps 1 and 2 as needed to optimize the link.

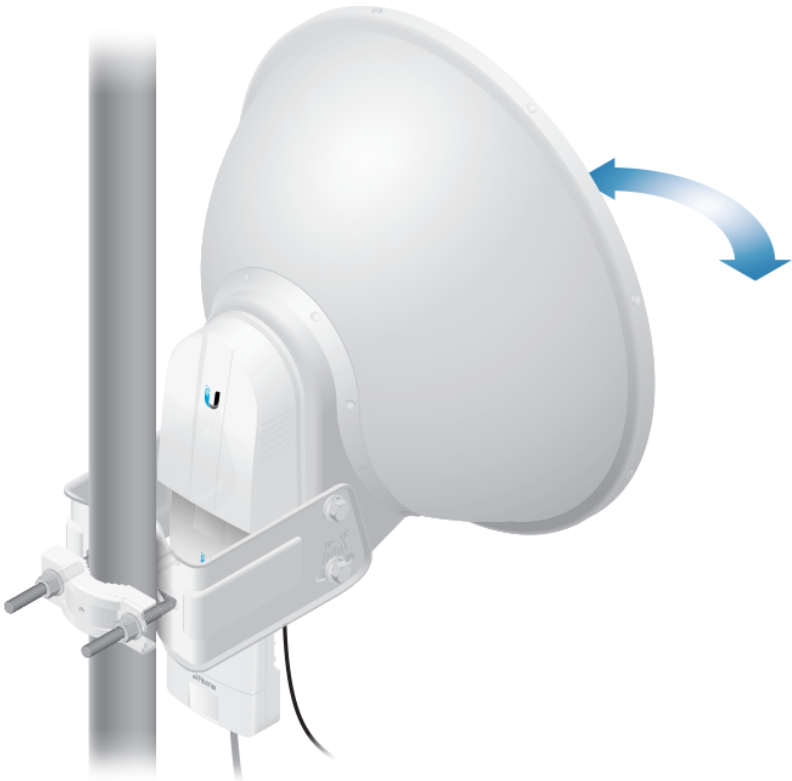
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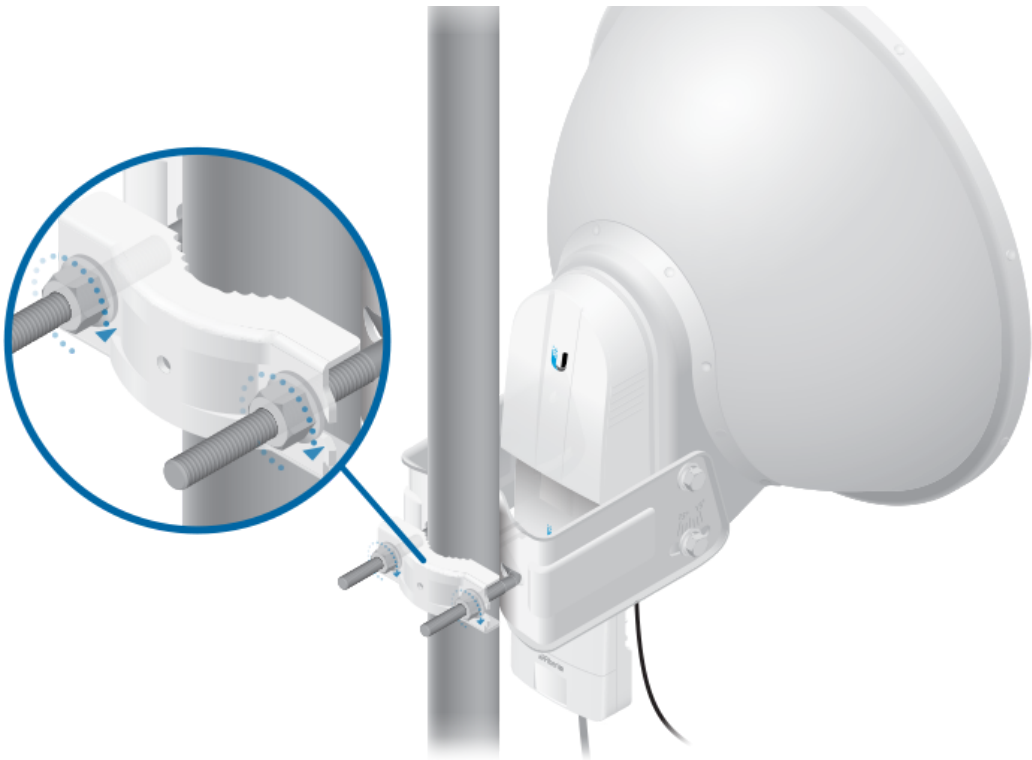
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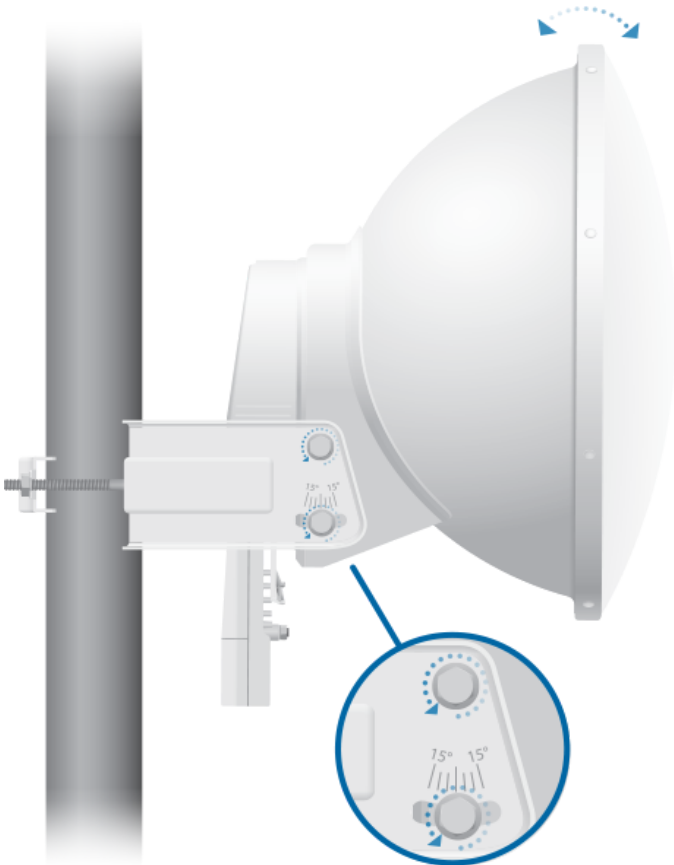
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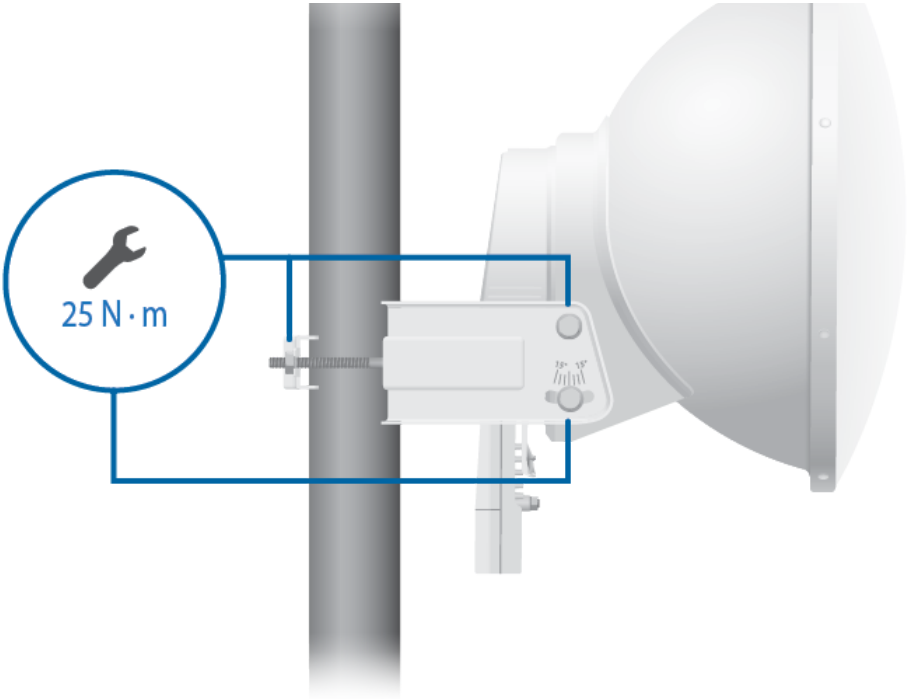
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5.



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6.



Specifications

AF-5G23-S45	
Dimensions	378 x 378 x 290 mm (14.88 x 14.88 x 11.42")



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Weight	3.4 kg (7.5 lb) (Mount Included)
Frequency	5.1 - 5.9 GHz
Gain	23 dBi
Max. VSWR	1.5:1
Wind Survivability	200 km/h (125 mph)
Wind Loading	190 N @ 200 km/h (43 lbf @ 125 mph)
Polarization	Dual Linear
F/B Ratio	33 dB
ETSI Specification	EN 302 326 DN2
Mounting	Universal Pole Mount for Ø 38 - 64 mm (Ø 1.5 - 2.5") Poles

Safety Notices

1. Read, follow, and keep these instructions.
2. Heed all warnings.
3. Only use attachments/accessories specified by the manufacturer.



WARNING: Do not use this product in location that can be submerged by water.



WARNING: Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

Electrical Safety Information

1. Compliance is required with respect to voltage, frequency, and current requirements indicated on the manufacturer's label. Connection to a different power source than those specified may result in improper operation, damage to the equipment or pose a fire hazard if the limitations are not followed.
2. There are no operator serviceable parts inside this equipment. Service should be provided only by a qualified service technician.

Limited Warranty

[ui.com/support/warranty](https://dl.ubnt.com/qsg/AF-5G23-S45/AF-5G23-S45_EN.html)

The limited warranty requires the use of arbitration to resolve disputes on an individual basis, and, where applicable, specify arbitration instead of jury trials or class actions.

Compliance

RF Exposure Warning



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transmitter. For the specific separation distance, refer to the Quick Start Guide for your Rocket device (transmitter).

L'antenne et l'émetteur doit être installé pour fournir une distance de séparation de toute les personnes et ne doit pas être situé ou opérant en conjonction avec une autre antenne ou un autre émetteur. Pour la distance spécifique de séparation, se référer au Guide de démarrage rapide pour votre appareil Rocket (l'émetteur).

[WEEE Compliance Statement](#)

[Declaration of Conformity](#)

Online Resources



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