RocketDish™ LW
airMAX® 2x2 PtP Bridge
Dish Antenna
Model: RD-5G30-LW
Introduction
Thank you for purchasing the Ubiquiti Networks® RocketDish™, an airMAX® 2x2 PtP Bridge Dish Antenna. This Quick Start Guide is designed to guide you through the installation of the antenna. This Quick Start Guide also includes the warranty terms and is for use with the RocketDish, model RD-5G30-LW.

Package Contents

Dish Antenna
Mounting Bracket
Antenna Feed
Lower Pole Bracket

Upper Pole Bracket
Support Arm
Brace
Screws (M6, Qty. 4)
Protective Shroud

Hex Head Bolts (M8, Qty. 5)
Lock Washers (M8, Qty. 5)
Flat Washers (M8, Qty. 5)
Stabilizer Brackets (Qty. 2)

M10x100 Bolts (Qty. 2)
Serrated Flange Nuts (M10, Qty. 2)
M8x150 Carriage Bolts (Qty. 4)
Pole Clamps (Qty. 2)
Quick Start Guide

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

- Rocket™ 5ac PtP, Rocket5ac Lite, RocketM5 Titanium, or RocketM5 (sold separately)
- Phillips screwdriver
- 13 mm wrench
- Wrench or channel lock pliers with 63.5 mm (2.5") capacity
- 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 the most brutal environments and devastating ESD attacks with industrial-grade shielded Ethernet cable from Ubiquiti Networks. For more details, visit www.ubnt.com/toughcable

Hardware Overview
Installation

**Important:** Handle the *Dish Reflector* with care. Deformations in its shape may reduce the RocketDish's effectiveness.

1. Line up the alignment tabs of the *Mounting Bracket* with the alignment slots of the *Dish Reflector*. Insert the tabs and rotate the *Mounting Bracket* until they lock into place.

   ![Diagram](image)

   **Note:** Ensure that the antenna feed slot of the *Mounting Bracket* lines up with the antenna feed slot of the *Dish Reflector*, as shown below:
2. The *Dish Reflector* and *Antenna Feed* are keyed so the *Antenna Feed* can only be installed in a single orientation. Follow these steps:

   a. Remove the knob from the *Antenna Feed*.

   b. Line up the alignment pins of the *Antenna Feed* with the alignment holes of the *Dish Reflector* and *Mounting Bracket*.

     **Note:** Ensure that the straight edge of the *Antenna Feed* end (shown below) and arrow on the *Antenna Feed* cap are pointing straight up.

   c. Insert the *Antenna Feed*. 
3. To secure the *Antenna Feed* to the *Dish Reflector*:
   a. Replace the knob and tighten it by hand until the knob touches the surface of the *Mounting Bracket*.
   b. Use a wrench or channel lock pliers to tighten the knob an additional ¼ turn. Do NOT over-tighten the knob.

   **Note:** Ensure that the *Antenna Feed* is securely attached by the knob.

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**Important:** Do not handle the RocketDish by the *Antenna Feed* once the feed is attached.
4. Attach the Rocket to the *Mounting Bracket*.
   a. Align the mounting tabs on the back of the Rocket with the Rocket mount.
   b. Slide the Rocket down to lock it into place.

5. Attach the other end of the *RF Cables* to the RF connectors on the Rocket in this combination: *H to Chain 1* and *V to Chain 0*. Then slide the jackets over the RF connectors to protect them.
6. Attach the *Protective Shroud*.
   a. Align the hash mark on the top of the shroud with the notch on the *Dish Antenna*.
   b. Rotate the shroud clockwise until it locks into place.
7. Attach two *Hex Head Bolts*, two *Lock Washers*, and two *Flat Washers* to the bottom of the *Mounting Bracket*. Ensure that there is a gap of 8 mm between each *Flat Washer* and the *Mounting Bracket*.

**Note:** Ensure that each *Lock Washer* is always installed between the *Hex Head Bolt* and *Flat Washer*. 
8. Attach the horizontal slot of the Support Arm to the Upper Pole Bracket using a Hex Head Bolt, Lock Washer, and Flat Washer.

[Note: Ensure that the degree settings are the same on both arms of the Upper Pole Bracket.]

9. Attach the Brace to the pole brackets using the four Screws.
10. Each *M8x150 Carriage Bolt* includes a serrated flange nut. Remove these and use them in the next step.

11. Attach one *Pole Clamp* to each pole bracket.
   a. Insert two *M8x150 Carriage Bolts* into each pole bracket.
   b. Slide the hole of a *Pole Clamp* over one bolt of each pole bracket.
   c. Place one serrated flange nut on each bolt.
12. Attach the Stabilizer Brackets to the pole just beneath the area where the RocketDish will be attached.

**Note:** The pole-bracket assembly can accommodate a Ø 38 - 101 mm pole.

a. Place one Stabilizer Bracket on each side of the pole.
b. Insert the two M10x100 Bolts into the Stabilizer Brackets.
c. Secure each bolt with one Serrated Flange Nut.
13. Attach the pole-bracket assembly to the pole:
   a. Slide the slot of each *Pole Clamp* over the corresponding *M8x150 Carriage Bolt*.
   b. Tighten the serrated flange nuts of the bolts to secure the pole-bracket assembly to the pole.
14. Lift the *Dish Reflector* and align the two lower *Hex Head Bolts* with the slots on the *Lower Pole Bracket*. Seat the bolts in the slots.

15. Attach each arm of the *Upper Pole Bracket* to the *Mounting Bracket* using a *Hex Head Bolt*, *Lock Washer*, and *Flat Washer*.
16. Before adjusting the tilt angle, ensure that the six Hex Head Bolts are loose enough to allow movement.

**IMPORTANT:** If you cannot spin the washers freely by hand, then loosen the Hex Head Bolts until you can.

17. To adjust the tilt angle, turn the screw head of the Elevation Rod until the desired tilt is reached.

18. Lock the alignment by tightening all six Hex Head Bolts to 25 N-m.
Specifications

<table>
<thead>
<tr>
<th>RocketDish RD-5G30-LW</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimensions</strong></td>
</tr>
<tr>
<td><strong>Weight</strong></td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
</tr>
<tr>
<td><strong>Gain</strong></td>
</tr>
<tr>
<td><strong>Max. VSWR</strong></td>
</tr>
<tr>
<td><strong>Wind Survivability</strong></td>
</tr>
<tr>
<td><strong>Wind Loading</strong></td>
</tr>
<tr>
<td><strong>Polarization</strong></td>
</tr>
<tr>
<td><strong>F/B Ratio</strong></td>
</tr>
<tr>
<td><strong>ETSI Specification</strong></td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
</tr>
</tbody>
</table>

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

UBIQUITI NETWORKS, Inc ("UBIQUITI NETWORKS") warrants that the product(s) furnished hereunder (the “Product(s)”) shall be free from defects in material and workmanship for a period of one (1) year from the date of shipment by UBIQUITI NETWORKS under normal use and operation. UBIQUITI NETWORKS’ sole and exclusive obligation and liability under the foregoing warranty shall be for UBIQUITI NETWORKS, at its discretion, to repair or replace any Product that fails to conform to the above warranty during the above warranty period. The expense of removal and reinstallation of any Product is not included in this warranty. The warranty period of any repaired or replaced Product shall not extend beyond its original term.

Warranty Conditions

The above warranty does not apply if the Product:

(I) has been modified and/or altered, or an addition made thereto, except by Ubiquiti Networks, or Ubiquiti Networks’ authorized representatives, or as approved by Ubiquiti Networks in writing;

(II) has been painted, rebranded or physically modified in any way;

(III) has been damaged due to errors or defects in cabling;

(IV) has been subjected to misuse, abuse, negligence, abnormal physical, electromagnetic or electrical stress, including lightning strikes, or accident;

(V) has been damaged or impaired as a result of using third party firmware;

(VI) has no original Ubiquiti MAC label, or is missing any other original Ubiquiti label(s); or

(VII) has not been received by Ubiquiti within 30 days of issuance of the RMA.

In addition, the above warranty shall apply only if: the product has been properly installed and used at all times in accordance, and in all material respects, with the applicable Product documentation; all Ethernet cabling runs use CAT5 (or above), and for outdoor installations, shielded Ethernet cabling is used, and for indoor installations, indoor cabling requirements are followed.

Returns

No Products will be accepted for replacement or repair without obtaining a Return Materials Authorization (RMA) number from UBIQUITI NETWORKS during the warranty period, and the Products being received at UBIQUITI NETWORKS’ facility freight prepaid in accordance with the RMA process of UBIQUITI NETWORKS. Products returned without an RMA number will not be processed and will be returned freight collect or subject to disposal. Information on the RMA process and obtaining an RMA number can be found at: www.ubnt.com/support/warranty.
Disclaimer

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Limitation of Liability

EXCEPT TO THE EXTENT PROHIBITED BY LOCAL LAW, IN NO EVENT WILL UBIQUITI OR ITS SUBSIDIARIES, AFFILIATES OR SUPPLIERS BE LIABLE FOR DIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES (INCLUDING LOST PROFIT, LOST DATA, OR DOWNTIME COSTS), ARISING OUT OF THE USE, INABILITY TO USE, OR THE RESULTS OF USE OF THE PRODUCT, WHETHER BASED IN WARRANTY, CONTRACT, TORT OR OTHER LEGAL THEORY, AND WHETHER OR NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
Note

Some countries, states and provinces do not allow exclusions of implied warranties or conditions, so the above exclusion may not apply to you. You may have other rights that vary from country to country, state to state, or province to province. Some countries, states and provinces do not allow the exclusion or limitation of liability for incidental or consequential damages, so the above limitation may not apply to you. EXCEPT TO THE EXTENT ALLOWED BY LOCAL LAW, THESE WARRANTY TERMS DO NOT EXCLUDE, RESTRICT OR MODIFY, AND ARE IN ADDITION TO, THE MANDATORY STATUTORY RIGHTS APPLICABLE TO THE LICENSE OF ANY SOFTWARE (EMBEDDED IN THE PRODUCT) TO YOU. The United Nations Convention on Contracts for the International Sale of Goods shall not apply to any transactions regarding the sale of the Products.

Compliance

RF Exposure Warning

The antenna and transmitter must be installed to provide a separation distance from all persons and must not be located or operating in conjunction with any other antenna or 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).
RoHS/WEEE Compliance Statement

English

European Directive 2002/96/EC requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.

Deutsch

Español

La Directiva 2002/96/CE de la UE exige que los equipos que lleven este símbolo en el propio aparato y/o en su embalaje no deben eliminarse junto con otros residuos urbanos no seleccionados. El símbolo indica que el producto en cuestión debe separarse de los residuos domésticos convencionales con vistas a su eliminación. Es responsabilidad suya desechar este y cualesquiera otros aparatos eléctricos y electrónicos a través de los puntos de recogida que ponen a su disposición el gobierno y las autoridades locales. Al desechar y reciclar correctamente estos aparatos estará contribuyendo a evitar posibles consecuencias negativas para el medio ambiente y la salud de las personas. Si desea obtener información más detallada sobre la eliminación segura de su aparato usado, consulte a las autoridades locales, al servicio de recogida y eliminación de residuos de su zona o pregunte en la tienda donde adquirió el producto.

Français

La directive européenne 2002/96/CE exige que l’équipement sur lequel est apposé ce symbole sur le produit et/ou son emballage ne soit pas jeté avec les autres ordures ménagères. Ce symbole indique que le produit doit être éliminé dans un circuit distinct de celui pour les déchets des ménages. Il est de votre responsabilité de jeter ce matériel ainsi que tout autre matériel électrique ou électronique par les moyens de collecte indiqués par le gouvernement et les pouvoirs publics des collectivités territoriales. L’élimination et le recyclage en bonne et due forme ont pour but de lutter contre l’impact néfaste potentiel de ce type de produits sur l’environnement et la santé publique. Pour plus d’informations sur le mode d’élimination de votre ancien équipement, veuillez prendre contact avec les pouvoirs publics locaux, le service de traitement des déchets, ou l’endroit où vous avez acheté le produit.

Italiano

La direttiva europea 2002/96/EC richiede che le apparecchiature contrassegnate con questo simbolo sul prodotto e/o sull’imballaggio non siano smaltite insieme ai rifiuti urbani non differenziati. Il simbolo indica che questo prodotto non deve essere smaltito insieme ai normali rifiuti domestici. È responsabilità del proprietario smaltire sia questi prodotti sia le altre apparecchiature elettriche ed elettroniche mediante le specifiche strutture di raccolta indicate dal governo o dagli enti pubblici locali. Il corretto smaltimento ed il riciclaggio aiuteranno a prevenire conseguenze potenzialmente negative per l’ambiente e per la salute dell’essere umano. Per ricevere informazioni più dettagliate circa lo smaltimento delle vecchie apparecchiature in Vostro possesso, Vi invitiamo a contattare gli enti pubblici di competenza, il servizio di smaltimento rifiuti o il negozio nel quale avete acquistato il prodotto.
UBIQUITI NETWORKS, hereby declares that this UBIQUITI NETWORKS device, is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
UBIQUITI NETWORKS declares, in accordance with Directive 1999/5/EC, that this UBIQUITI NETWORKS device meets the essential requirements and any other relevant provisions of the Directive.

Online Resources

Support support.ubnt.com
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