

UltraPole

Universal Antenna Mount

BEFORE YOU START!

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setup.wf/UltraPole

Designed by WAVEFORM in the USA

What's In The Box

Base Kit

A J-Pole



B Footpad



C 4x Bolt, Plastic Washers, & Flange Nuts*



D 5x Expansion Bolts*



E 5x Wood Screws & Anchors*



F Size-8/10mm Crescent Wrench



G 4x Zip & Velcro Ties



*Includes 1x spare

Extension Kit

A Extension Pole



B 2x Brace Arms



C 2x Bolt, Plastic Washers, & Flange Nuts*



D 5x Expansion Bolts*



E 5x Wood Screws & Anchors*



F Size-8/10mm Crescent Wrench



G Size-4mm Allen Wrench



*Includes 1x spare

What Tools Do I Need?

Your UltraPole kit **includes all tools needed for its assembly**, however, **additional tools are needed** to mount and ground your kit.

To mount your UltraPole, the additional tools you'll need will depend on your mounting surface:

- ▶ **For hard materials** (e.g. concrete, brick mortar), use the included wood screws & anchors.
 - Requires a **drill & 10mm drill bit** to pre-drill a 10mm hole for the anchors.

- ▶ **For semi-soft materials** (e.g. wood), use the included wood screws.
 - Requires **no additional tools**.

- ▶ **For soft materials** (e.g. plaster, drywall), use the included expansion bolts.
 - Requires a **drill & 12mm drill bit** to pre-drill a 12mm hole for the expansion bolts.
 - Requires a **PH2 phillips-head screwdriver** to fasten expansion bolts.

Drilling Tips

Prior to any drilling, place the footpads against the mounting surface and **mark the location of each hole** with a pencil or marker.

To ground your UltraPole, a 10 AWG or lower gauge (thicker) grounding wire will be required to ground your pole to your building's electrical ground. They are readily available at most hardware stores.

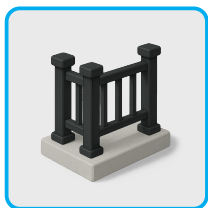
Where to Install Your UltraPole

Your UltraPole **includes mounting equipment to enables its installation at a variety of locations.** It's called the *Universal* Antenna Mount for a reason!



Rooftop

When installing on a roof, make sure to properly **seal any penetrations** made by screws. Consider using pitch pads, roofing sealant/caulking/cement, or other weather proofing materials.



Pole / Railing

If your roof or siding isn't suitable, your UltraPole can be installed against a pole or railing. In such cases, **hose-clamps or U-bolts are recommended.**



Wall / Siding / Fascia

Installing on the side of a building? Make sure the footpad(s) are secured against a **sturdy material.** Damaged, rotted, or weakened material may cause issues later on.

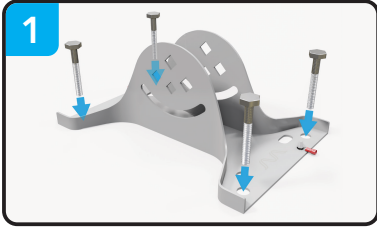


And many more!

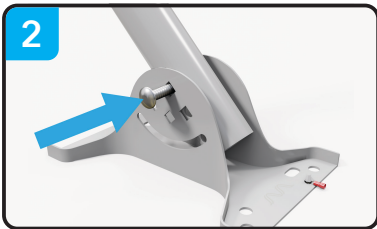
Don't let an instruction manual be the boss of you. You're Leonardo da Vinci, and installing this mount is your Mona Lisa.

Step 1. Assembling Your Base Kit

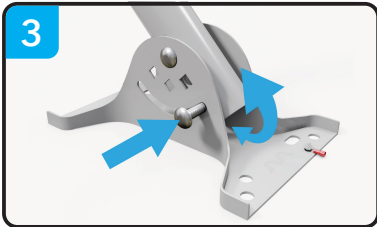
Use the included **8/10mm crescent wrench** and any additional tools outlined on page 3.



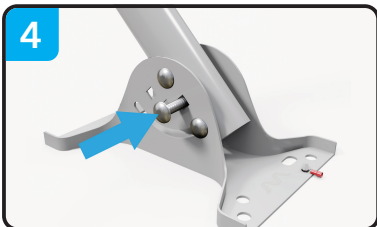
Fasten the footpad against your mounting surface.



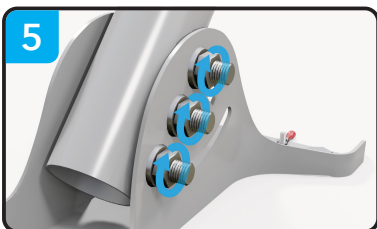
Position the J-Pole within the footpad and **insert the top bolt** to form the pivot for the J-Pole.



Insert the bottom bolt and **adjust the angle of the J-Pole**.



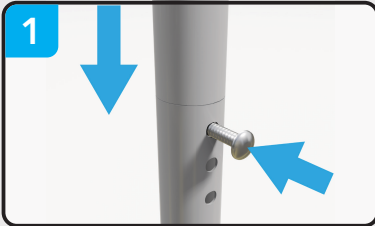
(Optional) **Install the center bolt** to lock the angle of the J-Pole.



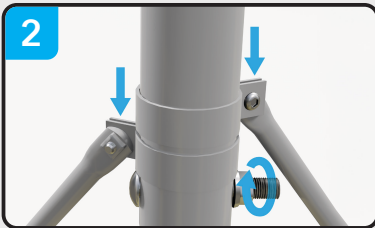
Secure each bolt with its washer and nut.

Step 2. Assembling Your Extension Kit (Complete Kit Only)

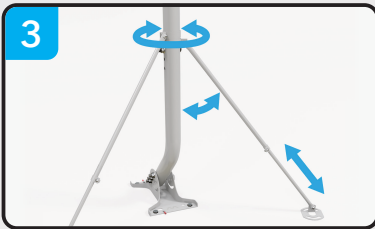
Use the included **Size-8/10mm crescent wrench**, **Size-4mm allen wrench**, and any additional tools outlined on page 3.



Insert the **extension pole** into J-Pole. Then, insert the **locking bolt**.



Secure the **locking bolt** with its washer and nut. Then, **attach each brace arm**.



Adjust each **brace arm's** length and position as needed.



Fasten the **footpad** of each **brace arm** against your mounting surface.

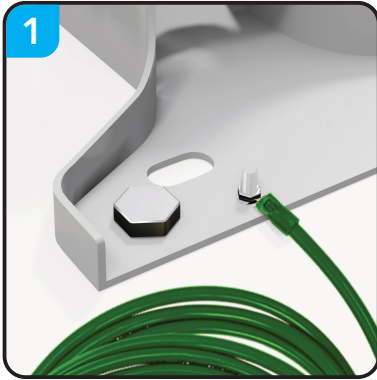


Tighten every **bolt** in each **brace arm**.

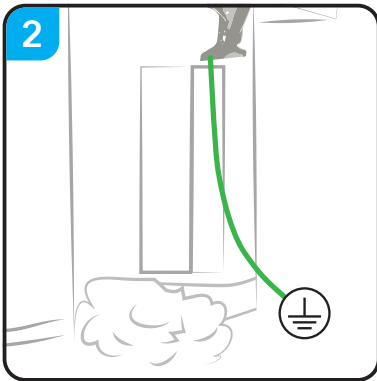
Step 3. Grounding Your UltraPole

Ground your UltraPole to your building's electrical ground using a **10 AWG or lower gauge (thicker) grounding wire** (not included).

It's required by the National Electric Code as UltraPole being metal makes it a **prime target for lightning strikes**.



Attach a **10 AWG or thicker ground wire** (not included) to the footpad's grounding bolt. Then, **secure it with its nut**.



Connect that **ground wire** to your **electrical ground**.

Grounding Tips

- If you're unsure about your grounding setup, **reach out to an electrical contractor**.
- **Expanded instructions** on grounding and **examples of suitable electrical grounds** can be found at [waveform.com/grounding](https://www.waveform.com/grounding)

Need help? We're ready and waiting.

Your UltraPole is designed, sold, and supported by Waveform and our team of Signal Specialists.

One of the benefits of buying from Waveform is our **lifetime technical support**. We can walk you through troubleshooting and fine-tuning your installation for best results.

Simply **scan the QR code below** or visit setup.wf/UltraPole to **connect with our team** of dedicated Signal Specialists, watch our **setup videos**, and more!

We love helping solve tricky install problems.



v2.0.0



Designed by Waveform in the USA



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