UltraPole V2

Universal Antenna Mount

BEFORE YOU START!

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- Watch our **setup videos.**
- View a **digital copy** of this manual.

setup.wf/UltraPoleV2

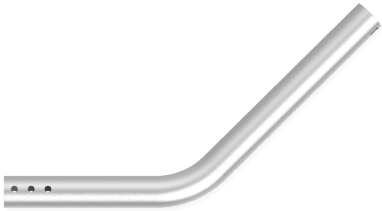
Designed by WAVEFORM **in the USA**

What's In The Box

A Footpad



B J-Pole



C Extension Pole



D *2x* Ring Terminals*



E *4x* Bolts & Serrated Flange Nuts*



F Velcro Roll (1m)



G *7x* Wood Screws & Anchors*



H *7x* Expansion Bolts*



I 17mm Combination Wrench



J 10mm Socket 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 & 14mm drill bit** to pre-drill a 14mm pilot hole for the anchors.

- **For semi-soft materials** (e.g. wood)

  Use the included wood screws.

  - Requires **no additional tools.** A **drill & 7mm drill bit** to pre-drill a 7mm pilot hole is *recommended* but not required.

- **For soft materials** (e.g. plaster, drywall)

  Use the included expansion bolts.

  - Requires a **drill & 12mm drill bit** to pre-drill a 12mm pilot hole for the expansion bolts.
  - Requires a **PH2 phillips-head screwdriver** to fasten the expansion bolts.

Drilling Tips

Prior to any drilling, place the footpad 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. Grounding wires 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.

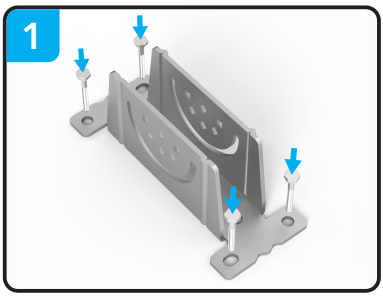


And many more!

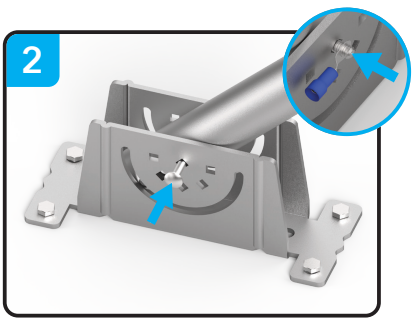
Don't let an instruction manual be the boss of you. You're Leonardo da Vinci, and installing this mount is your Mona Lisa.

Step 1. Assembling UltraPole

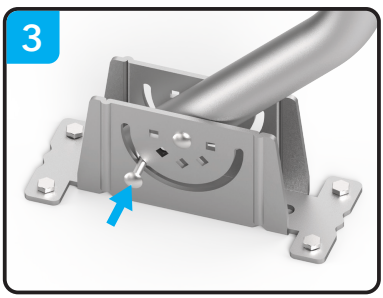
Use the included **10mm Socket Wrench** and any additional tools outlined on pages 2-3.



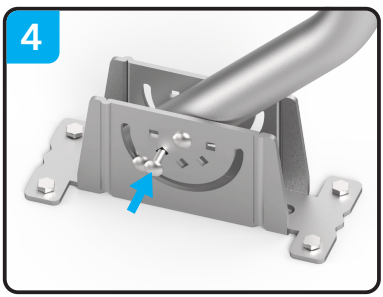
Secure the footpad against the mounting surface using the fasteners described on page 2.



Align the J-Pole with the top hole of the footpad, then **insert the top bolt** through the footpad, J-Pole, and ring terminal.

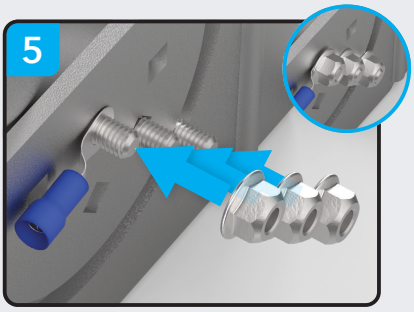


Insert the bottom bolt and **adjust the angle of the J-Pole.**

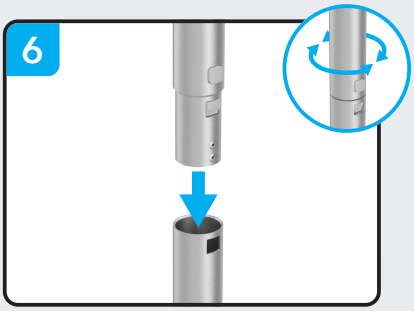


(Optional) **Install the center bolt** to lock the angle of the J-Pole.

Step 1. Assembling UltraPole (cont.)

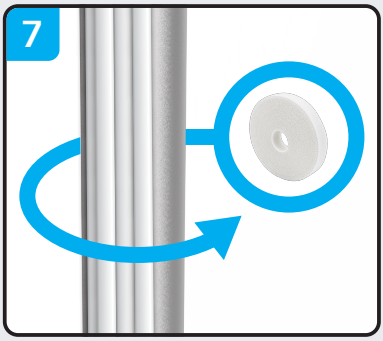


Secure each bolt with its nut.



(Optional) **Insert the extension pole** into the J-Pole until it clicks into place.

Tip: If it didn't initially click into place, twist the extension pole a bit until you hear the click.



(Optional) **Wrap a length of the Velcro around the pole** to secure any cables, then **cut that length of Velcro from the roll.**

Tip: Leave enough slack for the cable(s) held by the Velcro to prevent strain on the cable or its connections.



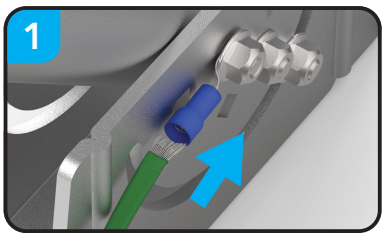
Congrats! **UltraPole assembly is now complete**!

You're now ready to **ground your UltraPole**!

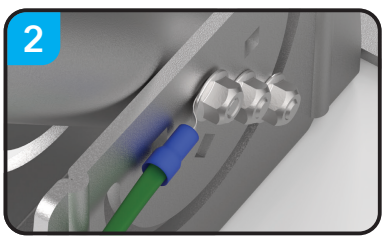
Step 2. Grounding UltraPole

UltraPole's metal frame makes it a **prime target for lightning strikes**.

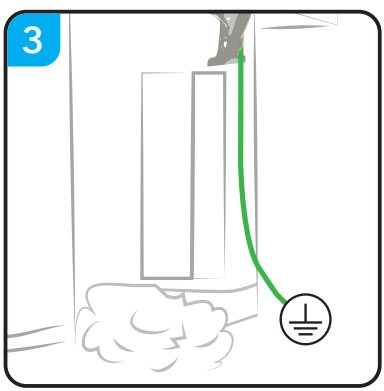
To protect the building and comply with the National Electrical Code (NEC), ground UltraPole to your building's electrical ground using a **10 AWG or lower gauge (thicker) grounding wire** (not included).



Feed a 10 AWG or thicker ground wire (not included) into the back of the ring terminal.



Crimp the terminal jacket to secure the ground wire.



Connect the other end of 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

Need help? We're ready and waiting.

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/UltraPoleV2** to **connect with our team** of dedicated Signal Specialists, watch our **setup videos**, and more!

We love helping solve tricky install problems.

v1.0.1

Designed by Waveform in the USA

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