

LIGHT BEAM ANTENNA



MaxRange Antenna Series Assembly Instructions

MaxRange Ultra Digital / High Definition Television Antennas



These instructions will lead you through the simple steps needed to assemble your new antenna. Follow each step to ensure that the antenna is assembled correctly.

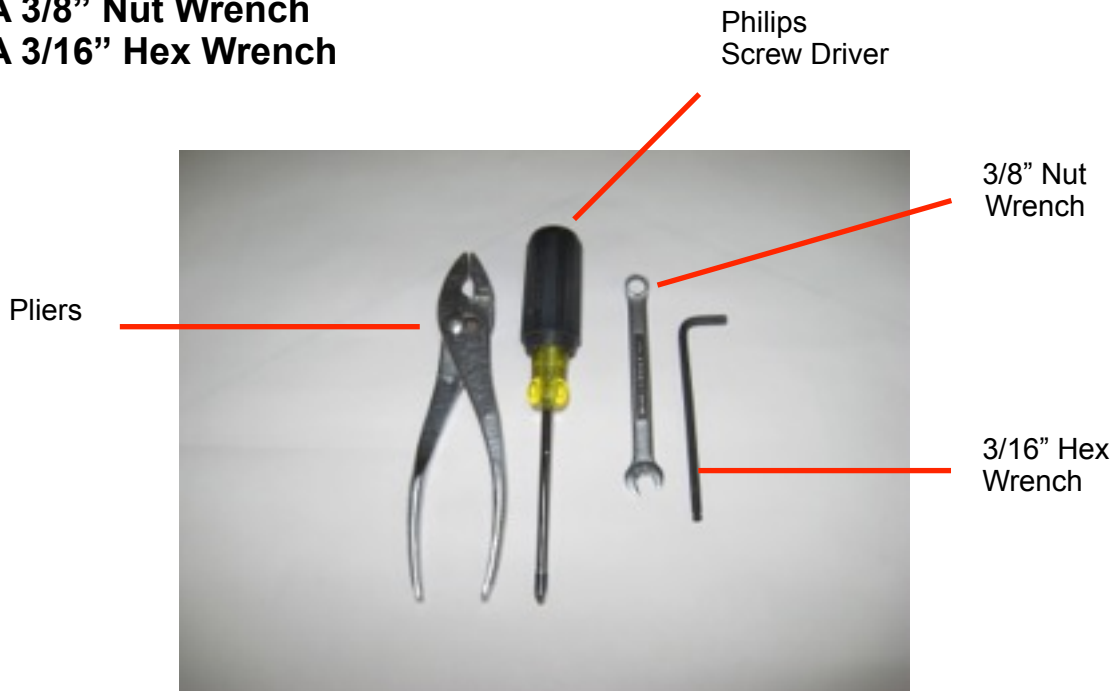
Assemble the antenna on a table or other safe location having adequate lighting. Work safely, use tools properly and wear eye protection.

Your antenna is delivered in one box. Inspect the box for damage and notify the shipping company if damage is visible.



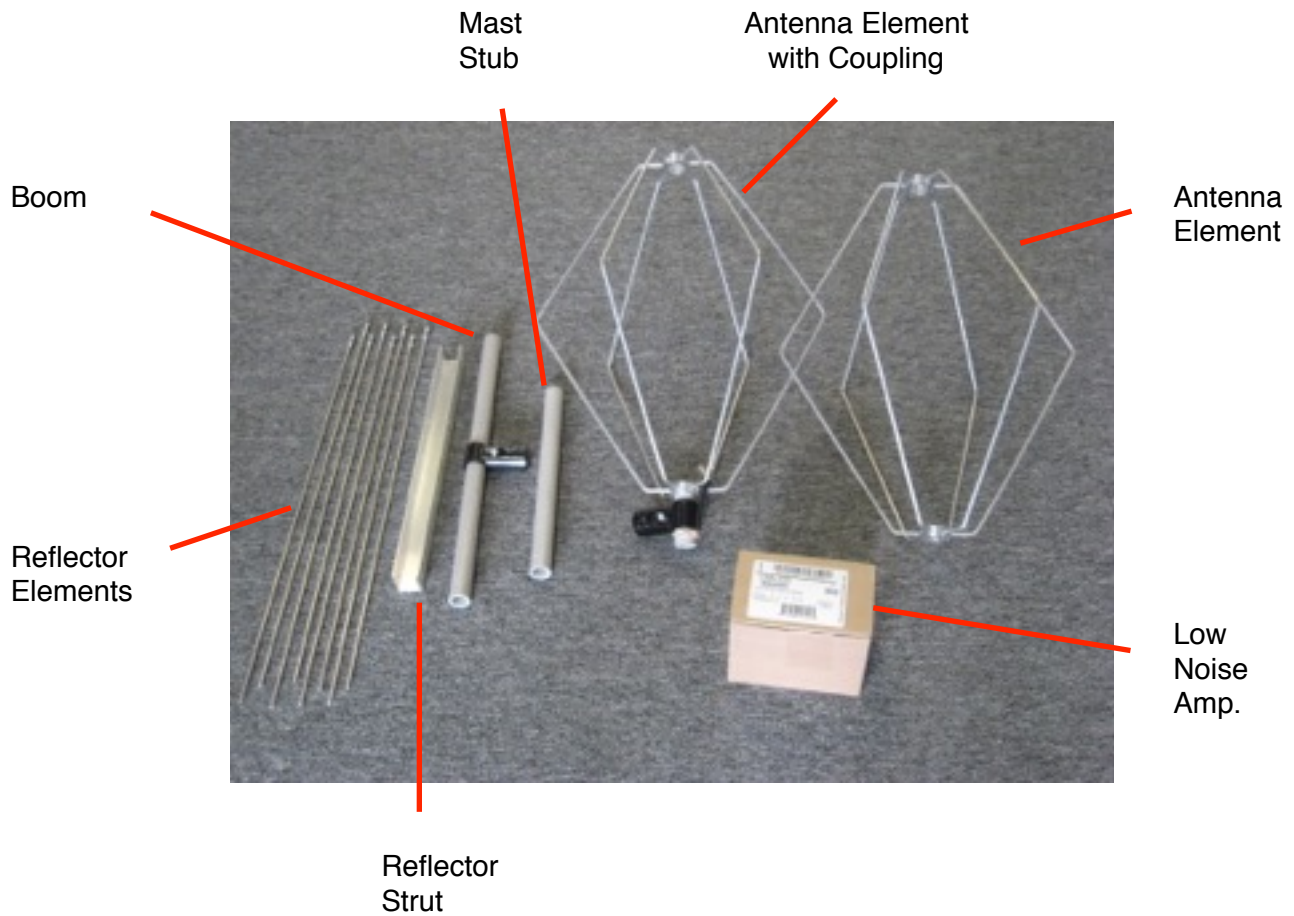
Tools you will need are:

- **Pliers**
- **A Philips Screw Driver**
- **A 3/8" Nut Wrench**
- **A 3/16" Hex Wrench**



MaxRange Ultra Antenna Assembly

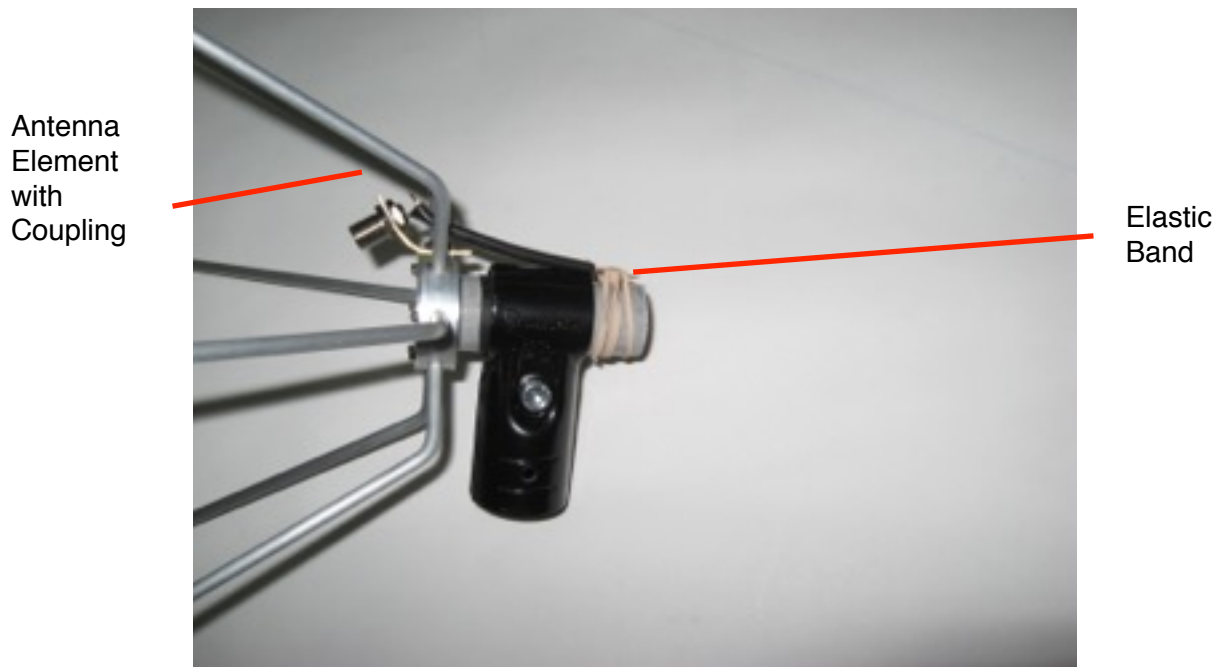
- Open the box and remove the antenna component bundle. Inspect for damage.
- Carefully remove the plastic wrap and inspect the antenna components.



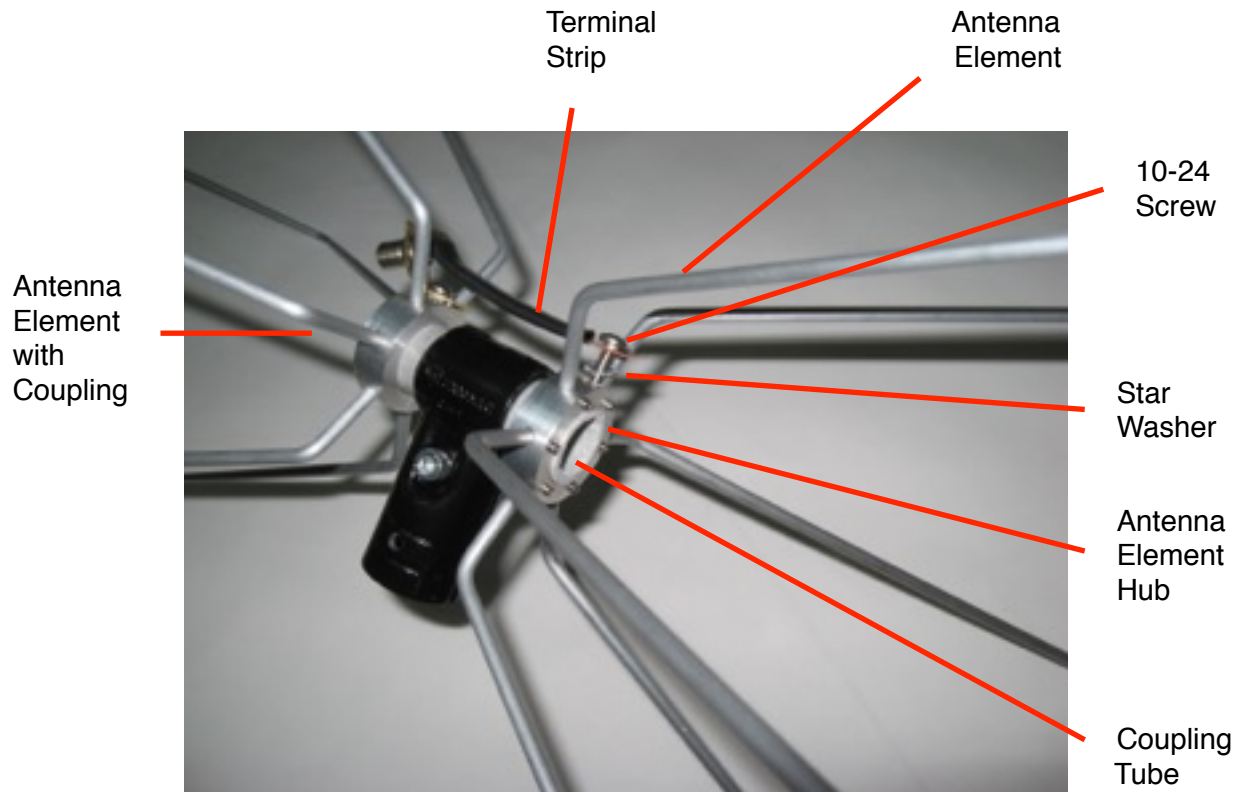
- Select the Antenna Element and remove the 10-24x 1/2" screw and star washer.



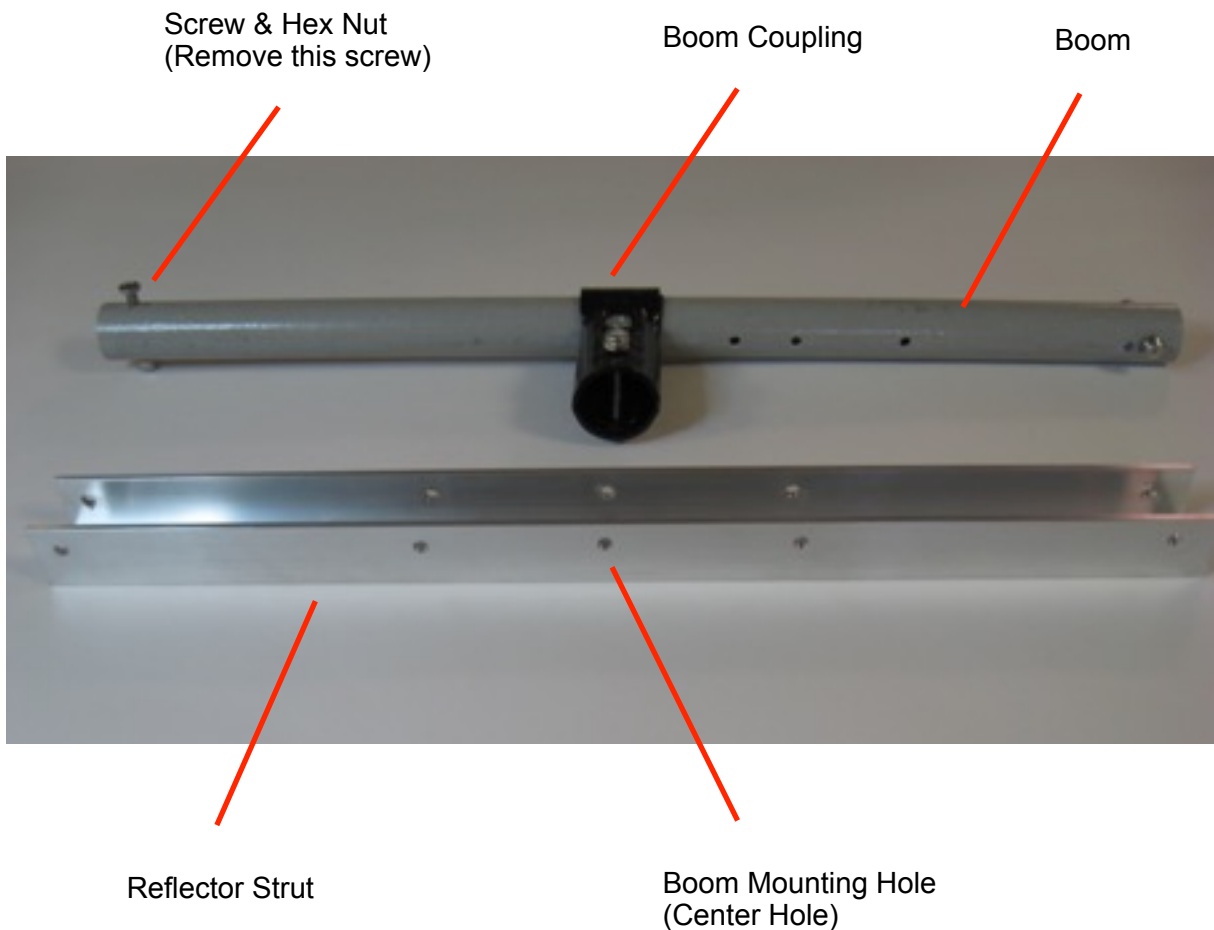
- Select the Antenna Element with Coupling and carefully remove the Elastic Band.



- Carefully slide the Antenna Element onto the Coupling as shown, under the Terminal Strip. Align the screw hole of the Antenna Element Hub with the hole in the Coupling Tube and then insert the 10-24x 1/2" Screw as shown through the Terminal Strip, and Star Washer. Tighten firmly the 10-24x 1/2" Screw into the Antenna Element Hub.



- Orient the Boom as shown below. Note the position of the Boom Coupling
- Using a Phillips Screwdriver, loosen and remove the indicated 10-24x1-1/2" screw and 10-24 anti-vibration hex-nut from the Boom.

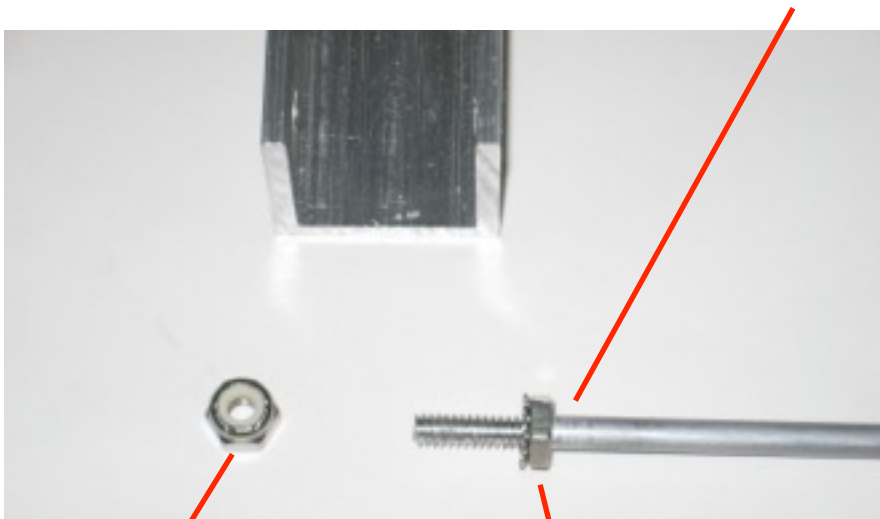


- Insert the Boom into the Reflector Strut channel at the center hole and align the holes in the Reflector Strut with the holes in the Boom.
- Insert the 10-24x1-1/2" screw through the Reflector Strut and Boom. Firmly tighten the 10-24 anti-vibration hex nut.

- Position the Reflector Strut as shown with the Boom in a vertical position.



- Collect the Reflector Elements (Qty. 8) and remove the 10-24 anti-vibration hex nut from each element. Turn the 10-24 hex nut with washer fully onto each rod.



10-24 anti-vibration
hex nut

10-24 hex nut with
washer

- Insert each element into the Reflector Strut and place a 10-24 anti-vibration hex nut on each Reflector Element as shown. Hold the rod using Pliers. Using the 3/8" Wrench, turn the nut until snug. Do not over-tighten.

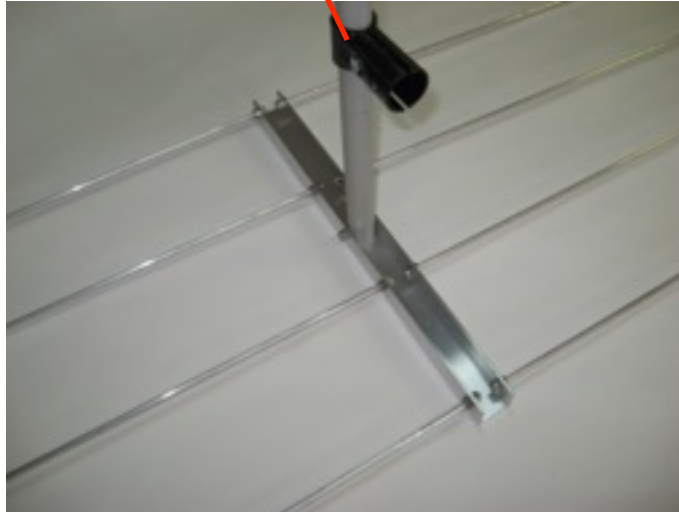


- Repeat the previous step and insert each of the remaining elements into the Reflector Strut.



- Using a 3/16" Hex Wrench, slightly loosen the hex-head screw in the Boom Coupling.

Hex-Head Screw



- Using a Phillips Screwdriver, loosen and remove the 10-24x1-1/2" screw and 10-24 anti-vibration hex-nut from the Mast Stub.
- Insert the Mast Stub into the Boom Coupling and align the holes in the Coupling with the holes in the Mast Stub.



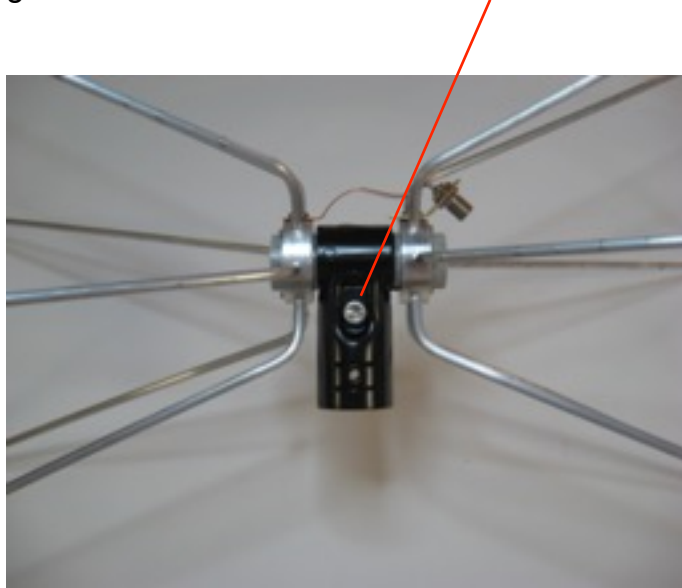
- Insert the 10-24x1-1/2" screw through the Coupling and Mast Stub. Loosely tighten the 10-24 anti-vibration hex nut. Fully tighten after the next step.
- Align the Boom to be parallel with the Reflector Strut as shown. Then using a 3/16 Hex Wrench, firmly tighten the Hex Head Screw in the Boom Coupling. See previous step and firmly tighten the 10-24 anti-vibration hex-nut.



- Using a Phillips Screwdriver, loosen and remove the 10-24x1-1/2" screw and 10-24 anti-vibration hex-nut from the Boom.



- Using a 3/16" Hex Wrench, slightly loosen the hex-head screw in the Antenna Element Coupling.



- Insert the Boom into the Antenna Element Coupling and align the holes in the Coupling with the holes in the Boom.



- Insert the 10-24x1-1/2" screw through the Coupling and Boom. Firmly tighten the 10-24 anti-vibration hex nut.
- Firmly tighten the hex-head screw in the Antenna Element Coupling.

- Unpack the small box and inspect the components.

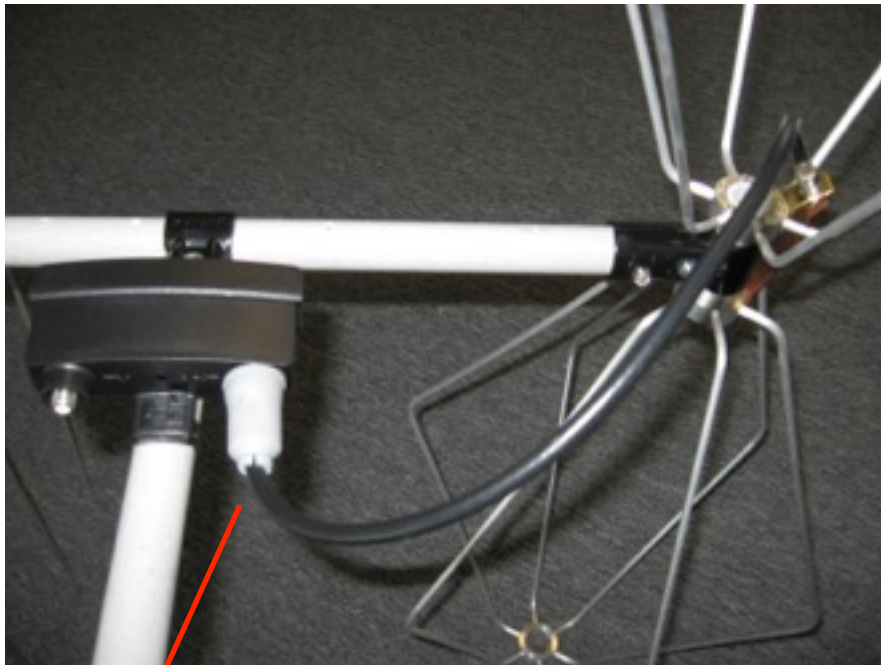


- Read the Pre-amplifier Installation Instructions that are included in the small box.



- Connect and tighten one end of the short length of RG6 Coaxial cable provided, to the connector of the antenna.

- Mount the Pre-amplifier on the Mast Stub of your MaxRange Antenna per the instructions using the Cable Ties provided.



- Weatherproof the other cable end of the short cable by sliding the Cable Boot over the cable connector. Then connect the cable end with Cable Boot to the “ANT.” connector of the Pre-amplifier. Tighten the connector and slide the boot up to cover the Pre-amplifier connector.
- The other Cable Boot is used to weatherproof the cable end of the cable that is connected to the “TV” connector of the Pre-amplifier.
- The orientation of the Pre-amplifier should be as shown with the connectors at the bottom of the Pre-amplifier.

Congratulations, you have completed the assembly of your MaxRange Ultra Antenna.

