

# RCA

## ANT751 Outdoor Antenna

### User's Guide

## BEFORE YOU START!!!

Please read the IMPORTANT SAFETY INFORMATION sheet included in this package.

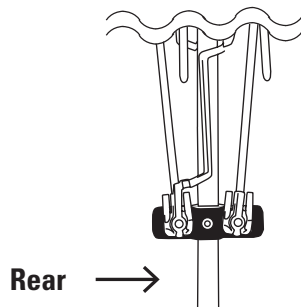
### Step 1: Unpack

Remove the antenna and the hardware bag from package. Make sure the following parts are in the package:

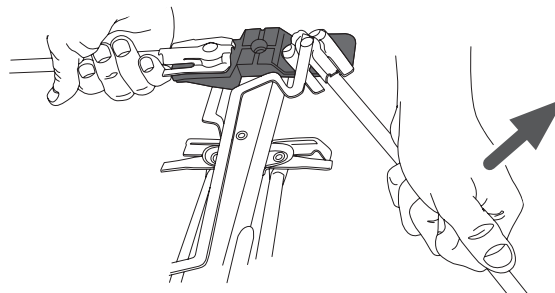
- Antenna
- Mounting pipe and foot
- Hardware bag

U-Bolt	(2) 10/32" Hex nuts
Mast Clamp Insert	(5) 1/4" Hex Nuts
(2) Black Plastic Plugs	(2) 5/8" Bolts
Matching Transformer	2 1/2" Screw
(4) 7/16" Washers	

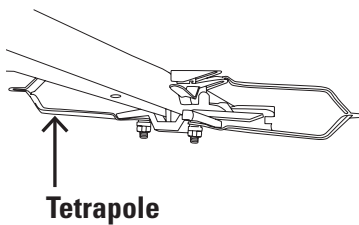
### Step 2: Unfold the antenna's elements



Starting from the rear of the antenna, unfold the elements on both the top and bottom of the antenna until they lock into place (as illustrated below). Make sure the elements are flat and parallel to each other when you've finished.



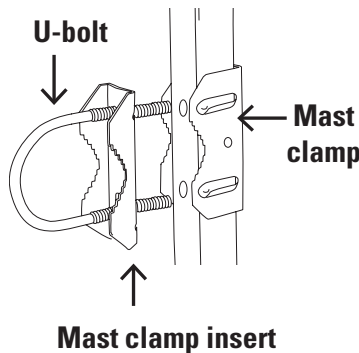
### Step 3: Unfold the tetrapole



Make sure the tetrapole locks into place. Do not attach the downlead yet!

*Note: VHF elements have been removed from this illustration to show the tetrapoles more clearly.*

### Step 4: Attach the mast clamp insert



Find the U-bolt and mast clamp insert (see the illustration to the left). Put the U-bolt into the mast clamp insert with the teeth of the mast clamp insert facing the closed end of the U-bolt.

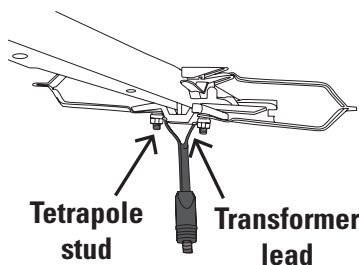
Insert the U-bolt into the mast clamp on the antenna and loosely thread the 1/4" hex nuts onto the U-bolt. The teeth on the mast clamp and the teeth on the insert should be facing the same direction.

Do not tighten the hex nuts yet.

### Step 5: Install the transformer and coaxial downlead

Attach the transformer to the coaxial downlead (not included).

Find the 10/32" hex nuts and washers in your hardware bag.



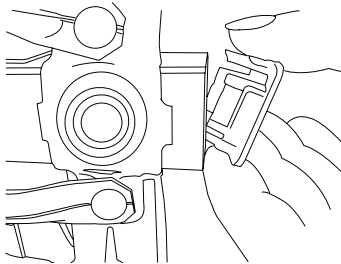
Use them to attach the transformer to the bottom of the antenna at the studs on tetrapole.

Make sure to place the leads of the matching transformer between the two washers on each post as shown here.



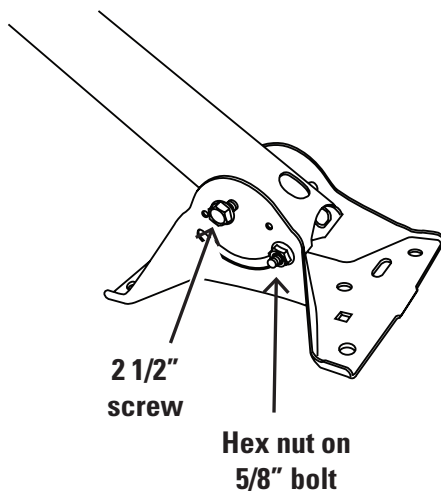
Finally, tighten the hex nuts to secure the leads.

## Step 6: Insert end caps



Insert the plastic end caps in the ends of the booms as shown here. Use a rubber mallet to gently tap them into the antenna booms to secure them.

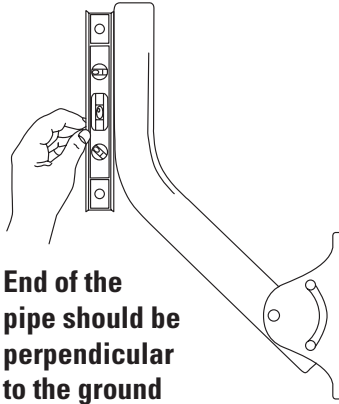
## Step 7: Attach the mounting pipe to the foot



Find the end of the mounting pipe with holes on the sides for screws. Insert this end into the middle of the foot as illustrated here. Then insert the 2-1/2" screw through the foot and pipe as shown. Screw the 1/4" hex nut onto the end of the screw to hold the pipe and foot together. *Don't tighten the nut completely yet.*

Find the square holes on either side of the bottom of the pipe. Raise the pipe slightly and insert a 5/8" bolt through these holes and out of the side of the foot. Install the nuts on the outside of the foot on the 5/8" bolts to hold the pipe in place. *Don't tighten the nuts completely yet.*

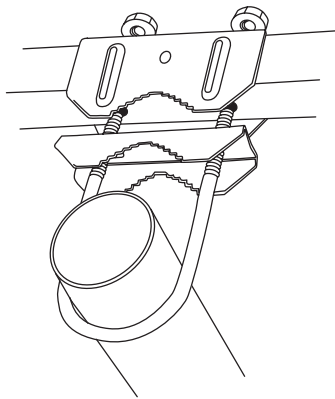
## Step 8: Mount the foot and pipe



End of the pipe should be perpendicular to the ground (plumb)

Secure the foot to its permanent location. Adjust the end of the pipe so that it is perpendicular to the ground. Tighten the hex nuts to hold the pipe in place.

## Step 9: Attach the antenna to the mast



*IMPORTANT: Before you attach the antenna to your mast, visit [www.antennaweb.org](http://www.antennaweb.org) to see the locations of your local broadcast towers. This information is crucial in pointing your antenna correctly.*

Loosen the nuts on the mounting clamp U-bolt.

Point the small end of the antenna toward the stations you want to receive.

Slide the U-bolt over the mast.

Point small end of antenna toward your local broadcast towers. Tighten the mast clamp and nuts securely.

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