

WARNING: Installation of this product near powerlines is **DANGEROUS**. For your safety, follow the installation directions.

FMSS

Omnidirectional FM Antenna

BEFORE YOU BEGIN

Read this manual and Consumer Product Safety Commission information. For your safety and convenience, plan each step of the installation and purchase the necessary hardware in advance. The order in which you perform the steps and the hardware required depends on the mounting and connection methods you choose. We recommend two people assemble the entire antenna on the ground, then mount the assembled antenna on the mast.

Note: For the best FM reception, do not mount the FM antenna on the same mast with a TV antenna.

Warning: When you install your antenna, use extreme caution. If the antenna starts to fall, let it go! It could contact overhead power lines. If the antenna touches the power line, contact with the antenna, mast, cable, or guy wires can cause electrocution and death. Call the power company to remove the antenna. **Do not attempt to remove it yourself.**

ASSEMBLING THE ANTENNA

1. Hold the elements near the pivot points and pull them away from the boom until they snap into the self-locking plastic support insulators.

Caution: To avoid damage to the elements, do not pull them near their outer ends. Once the elements are locked into position, do not attempt to unlock them. Doing so might break the self-locking tab.

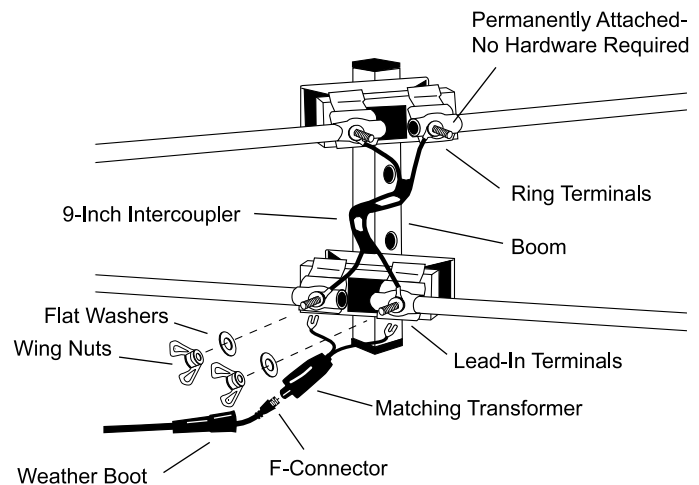
2. Press the supplied end plugs into ends of the boom.

CONNECTING LEAD-IN CABLE TO THE ANTENNA

We recommend RG-6 cable, and if you prepare your own cable, a quality F-connector. You can also use 300-ohm flat, twin-lead cable. Note: If you prepare your own cable, slide the supplied matching transformer's weather boot onto the cable before you attach the F-connector.

Notes:

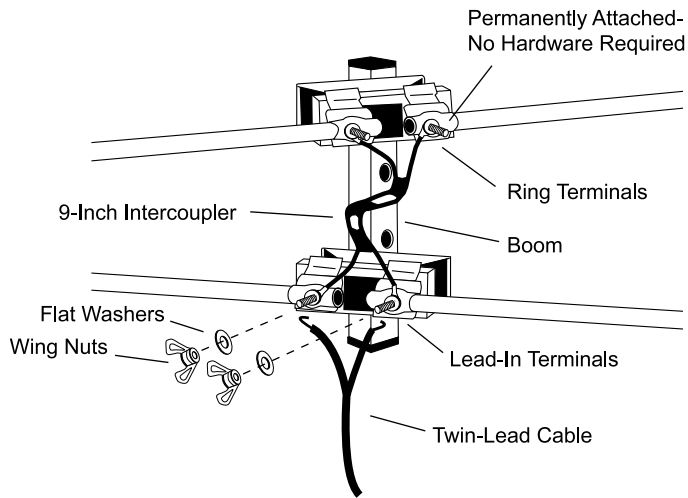
- If you use coaxial cable, you will need a 75-ohm to 300-ohm matching transformer (not supplied).
- If you prepare your own coaxial cable, be sure to slide the matching transformer's weatherboot onto the cable before you attach the F-connector.



Using Coaxial Cable

1. Slide the 9-inch intercoupler's ring terminals over the antenna's lead-in terminals labeled "CONNECT LEAD-IN & INTERCOUPLER HERE".
2. Slide a matching transformer's spade terminals around the same lead-in terminals described in step 1.
3. Secure the ring terminals and spade terminals with two of the supplied flat washers and wing nuts.
4. Screw the cable's F-connector onto the matching transformer. Then slip the weatherboot over the connection.

Note: If you use a cable without a weatherboot, cover the connection with weatherproof tape.



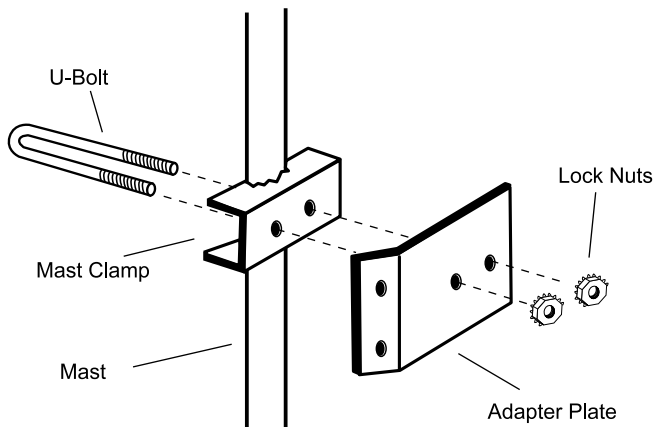
Using Twin-Lead Cable

1. Split one end of the twin-lead cable for a length of about 3 inches. Then strip about $\frac{1}{2}$ inch of insulation from both leads.
2. Slide the 9-inch intercoupler's ring terminals over the antenna's lead-in terminals labeled "CONNECT LEAD-IN HERE".
3. Wrap each of the twin-lead cable's leads around the same lead-in terminals described in step 2.
4. Secure the ring terminals and the cable leads with two of the supplied flat washers and wing nuts.

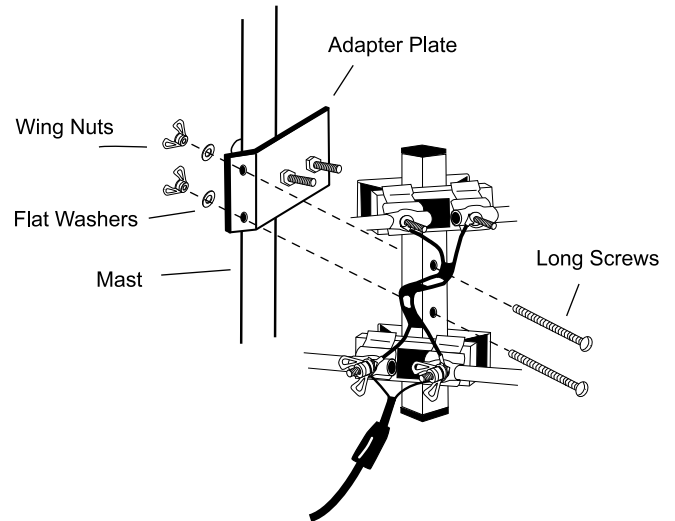
ATTACHING TO THE MAST

How you set up your mast depends on your specific installation. Refer to the Consumer Product Safety Commission information on pages 3 and 4 of this manual for recommended methods.

1. Attach the mast clamp and the adapter plate to the mast as shown. Be sure to position the clamp and the adapter plate at the point on the mast where you want to mount the antenna.
2. Secure the clamp and the adapter plate by tightening the supplied lock nuts. Do not overtighten them.



3. Slide the supplied long screws through the holes on the same side of the boom as the permanently attached intercoupler terminals.
4. Hold the screw heads in place while you attach the antenna boom to the adapter plate's holes. Be sure the adapter plate is on the opposite side of the boom from the lead-in terminals.
5. Secure the adapter plate to the antenna's boom with two of the supplied flat washers and wing nuts.
6. Set up the mast.



ROUTING THE CABLE TO YOUR TV/VCR/FM RECEIVER

If you use coaxial cable:

- Use plastic tape to secure the coaxial cable to the mast at about 3-foot intervals.
- Use coaxial nail clips every few feet to secure the cable between the mast and where the cable enters the house.
- Use a 75-ohm grounding block at the point where the coaxial cable enters the house. Read the Consumer Product Safety Commission information for grounding instructions.
- Use a wall-through tube to nearly route the coaxial cable through the walls.

If you use twin-lead cable:

- Be sure the twin-lead cable remains at least 4 inches away from all metal surfaces.
- Use standoff insulators about every 4 feet. Twist the twin-lead cable about three turns between standoff insulators.
- Use a 300-ohm static discharge unit at the point where the twin-lead cable enters the house. Read the Consumer Product Safety Commission information for grounding instructions.