

## 5-Band Omnidirectional Scanner Antenna

### BEFORE YOU BEGIN

Your antenna has elements which are resonant in the 30–54 MHz, 108–174 MHz, 450–470 MHz, 470–512 MHz, and 800–912 MHz bands. They work together to give you frequency coverage from 30 MHz to 1300 MHz. Before you begin assembly, read this manual and the separate Consumer Product Safety Commission Information Sheet, and plan each step of the installation. You need a suitable length of RG-58 coaxial cable fitted with an F-connector on one end and a BNC connector on the other end, and a small wrench with a  $\frac{5}{16}$ -inch opening.

**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

We recommend you assemble the antenna on the ground, then mount it on the mast. Follow these instructions to assemble your antenna.

- 1 Use the supplied hardware to loosely attach the supplied mast clamp to the main boom.

**Note:** If necessary, move the surrounding elements to permit access to the mast clamp holes.

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

- 3 Hold the main boom's elements near the pivot points and pull them until they snap into the locking plastic support insulators, then pull the arrow-shaped elements out until they latch. Position both legs on top of the front plastic support insulator outward, so they line up with the elements under them. Pull the swivel bracket elements outward until they snap into the swivel brackets' tabs.

(Add callouts to Swivel Bracket Elements, Swivel Bracket Tabs, Plastic Support Insulators, and Main Boom Elements

Shorten swivel bracket elements to match unit)



## CONNECTING LEAD-IN CABLE TO THE ANTENNA

Follow these steps to connect the RG-58 coaxial lead-in cable to the antenna.

**1** Slide the supplied matching transformer's weatherboot over the end of the cable, then attach the supplied F-connector to the cable.

**2** Hold the sides of the mounting bracket's open end apart and press the bracket onto the boom until it snaps in place. Slide the matching transformer into the bracket with its spade terminal ends pointing away from the mast clamp assembly.

(add callout lines)

**3** Thread the spade terminal ends through either slot of the antenna's strain-relief tab. Use the supplied washers and wing nuts to secure the ends to the antenna's lead-in terminals.

**4** Attach the coaxial cable's F-connector to the transformer.

## ATTACHING TO THE MAST

Slide the antenna's mast clamp assembly over the end of the mast. Then tighten the mast clamp assembly's lock nuts to hold the antenna in place. Take care not to overtighten the nuts.

### Notes:

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

### Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company- owned stores and authorized RadioShack franchisees and dealers. In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

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