Preliminary Testing
Test your antenna rotator before mounting outdoors.
- In your home, temporarily connect the Drive Motor to the control; see steps below.
- Synchronize and test the antenna rotator; see next column.

Step 1: Installing
Use 20-gauge three-wire rotator cable (not included) to connect the Drive Motor to the control. The instructions in the following two sections include specific references to this RadioShack rotator cable. It has a silver-colored ground (or neutral) wire, while the cable’s other two wires are copper. If you use another brand of cable to connect your antenna rotator, one of the three wires in the cable should be different in some way—this is the ground (or neutral) wire.

Wiring the Drive Motor
1. Use a screwdriver to remove the screw from the Drive Motor’s cover and open the cover.
2. Separate the cable’s three wires to about 1 1/2 inches (3.8 cm) down the cable and strip off about 1/2 inch (1.3 cm) of insulation from each wire.
3. Remove the cable grommet from the housing, then insert the cable’s three wires through the grommet.
4. Loosen the three terminal screws, then connect the silver-colored ground wire to Terminal 1, the center wire (copper) to Terminal 2, and the third wire (copper) to Terminal 3.
5. Check the wiring order, then tighten all three terminal screws.

Wiring the Control Box
1. On the other end of the cable, separate the cable’s three wires to about 1 1/2 inches (3.8 cm) down the cable and strip off about 1/2 inch (1.3 cm) of insulation from each wire.
2. Insert the tip of a pen or pencil into the clear cover’s notch, lift up the edge, and remove the cover.
3. Run the cable through the strain relief slot on the bottom of the control.
4. Loosen the three terminal screws, then connect the silver-colored ground wire to Terminal 1, the center wire (copper) to Terminal 2, and the third wire (copper) to Terminal 3.

Synchronizing and Testing
1. After you wire the Drive Motor to the Control Box, plug the power cord into a standard AC outlet.
2. Turn the Rotator Dial fully clockwise. The red dot on the Rotator Dial slowly moves clockwise and the top of the Drive Motor turns. When the rotator reaches the end of rotation, the top of the Drive Motor stops turning, the Control Box’s motor turns off, and the dot stops moving.
   - Note: Depending on the original setting of the Drive Motor, it might stop turning before the motor turns off. If this happens, wait for the red dot to stop moving before you proceed to Step 3.
3. Turn the Rotator Dial fully counterclockwise. The red dot on the Rotator Dial slowly moves counterclockwise and the top of the Drive Motor turns. When the control’s motor turns off and the dot stops moving, the control and the Drive Motor are synchronized.
   - Set the Rotator Dial to N (north) to align the two arrows on the side of the Drive Motor.
   - Note: If the arrows do not align, try Steps 2 and 3 again. If the Drive Motor’s arrows still do not align when you set the control’s dial to N, take the Antenna Rotator to your local RadioShack store for assistance.
4. Disconnect the rotator cable from the Control Box so that you can mount the Drive Motor.

Over for more instructions
Important Safety Instructions

1. If you have 300 ohm coaxial antenna cable, make a generous loop near the Drive Motor and secure it to the antenna support structure. When the antenna reaches the selected direction, it stops.

CAUTION: Do not force the Drive Motor back into the clamps to unlock the antenna; this can damage the Drive Motor.

2. Do not allow anything to rest on or roll over the power cord, and do not place the control where the power cord is subject to traffic or abuse. For added protection of the control during a lightning storm or when the control is not in use, remove the antenna from the rotator, unplug the control, and have it checked by a service technician. This reduces the risk of fire or shock hazards.

3. The control and all your antenna components should be installed only by persons familiar with radio and television systems and with these safety precautions. If you have any questions, contact a service technician.

4. Your control might be equipped with a polarized AC line plug (one blade of the plug is wider than the other). This plug will fit into the power outlet only one way. Should you be unable to insert the plug fully into the outlet, reverse the plug. If you cannot insert it, contact an electrician to replace the obsolete outlet. Do not defeat the safety purpose of the polarized plug.

5. Operate the control only from an AC power source as indicated on the bottom of the control. Do not use DC.

6. Overloaded AC outlets and extension cords are dangerous, and so are frayed power cords and broken plugs. They may result in a shock or fire hazard. Unplug the control. Do not use DC.

7. Do not place the control near or over radiators, heat registers, amplifiers, or other heat sources.

8. Never cover the control's openings with cloth or other material. Never block the ventilation slots by placing the control on a soft surface, such as a bed, sofa, or rug.

9. Power outlets and extension cords should be kept as far away from the control as possible.

10. Power cords and broken plugs. They may result in a shock or fire hazard. Unplug the control.

11. When the antenna reaches the selected direction, it stops.

CAUTION: Do not force the Drive Motor back into the clamps to unlock the antenna; this can damage the Drive Motor.

12. Any attempt to disassemble the control or drive portions of the rotator may expose you to electrical shock hazards. Never decorate the control with the power cord at the plug and the point where it exits from the control unit. This may result in a shock or fire hazard.

13. If the control has been damaged, removed, or is bowed, do not use it. Your service technician should check it before use.

14. When replacement parts are required, have the service technician verify that the replacement parts have the same safety characteristics as the original parts. Replacement parts that may be used are: insulated wire or rubber-covered cord, a metal-enclosed motor, or a metal-enclosed motor.

15. Upon completion of any service or repairs to the rotator, you should ask the service technician to perform routine safety checks to determine that the rotator is in a safe operating condition.

16. For added protection of the control during a lightning storm or when the control is to be left unattended for an extended period of time, unplug it from the wall outlet and disconnect the antenna system. This will prevent damage to the rotator due to lightning storms or power line surge.

17. Always use extreme caution when installing a rooftop antenna and drive system to reduce the risk of fire and electrical shock. Wear rubber-soled shoes and use a sturdy ladder. Do not install the rotator in inclement weather or when the wind are. Work only in dry weather, or in covered weather conditions.