

**TV 24769**  
**Futura™ Outdoor TV Antenna**

Thank you for your purchase of the GE branded Futura™ Outdoor TV Antenna. Before you begin your installation, please read these instructions carefully and keep these instructions for future reference.

**INTRODUCTION**

The 24746 Futura™ Outdoor TV Antenna is specially designed for digital terrestrial broadcasting reception. The compact and stylish housing can be placed in low visibility locations.

**Features:**

- Compact and Stylish Design
- Digital HDTV Ready

**Package Content:**

- Futura™ Outdoor Antenna
- Adjustable Wall Mount Bracket
- Instruction Manual

**Product Description:**

### **Things to Consider Before Installation:**

1. You may want to go to [www.antennaweb.org](http://www.antennaweb.org) to get assistance on selecting the best location for installing your antenna before you start the installation.
2. Where to position your antenna
3. How much coax cable needed for the installation
  - a. Recommended cable size is RG6
  - b. Recommend using weather proof “F” connectors
4. Recommend selecting the cable entry into the house nearest TV and marking it.

### **Tools Need for Installation:**

1. Drill
2. Pencil to mark hole position for mounting bracket and cable entry
3. 5/16” Drill Bit about 8” to 10” Long
4. 1/8” Drill Bit (for drilling pilot holes)
5. Flat Head Screw Driver
6. #2 Phillips Head Screw Driver
7. Cable Stripper
8. “F” Connector Crimping Tool
9. Wire Cutter
10. 3/16” drill bit
11. Small Hammer
12. Small crescent wrench

### **Parts Needed for Installation:**

1. RG6 Coax Cable
2. Coax Wall Plate (AV23235 Ivory or AV23239 White)
3. Weather Proof RG6 “F” Connector (AV23260)
4. Nail-In Cable Clips (AV23251)
5. Cable Stripper (AV23318)
6. “F” Connector Crimping Tool (AV23258)
7. Feed Through Bushing (AV23257)
8. Small tube of caulk
9. 4 #8 X 1” Pan Head Screws
10. 2 Medium size hollow wall anchor (Blue in color)

### **Assembly and Installation:**

1. Locate the best location for the antenna on the exterior of the home
  - a. Use the mounting plate to mark the holes for drilling pilot holes
  - b. Drill pilot holes approximately 1” deep with the 1/16” drill bit
  - c. Using the 4 #8 Pan Head Screws, mount the wall bracket to the wall where the antenna will be in a vertical position

- d. Mount the Futura™ Outdoor Antenna to the wall bracket. (Be sure to insert the stem completely into the socket located on the bottom of the antenna)
2. Locate the desired entry for the cable.
  - a. Check to make sure there are no electrical wires where the hole will be drilled.
  - b. Check to make sure that there is not a stud in the location where the hole is to be drilled.
  - c. Once you have checked the location for wires and stud, drill your hole using the 5/16" drill bit all the way through until the drill bit comes through the inside wall.
  - d. Take the feed through bushing (AV23257) and place a small amount of caulk on the inside flange of the feed through bushing
  - e. Press the feed through bushing into the hole until it is flush with the wall
3. Measure the amount of coax cable needed for the installation and preparing the cable for installation.
  - a. Start at the antenna and measure the exact route the cable will be ran to the hole drilled in the wall. Add about 3' to 4' extra to the measurement for slack in connecting the cable to the antenna and for stripping the cable and running it through the wall.
  - b. Using the cable stripper (AV23318), strip the cable as instructed on the cable stripper packaging
  - c. Attach the RG6 weather proof "F" connector to the cable (AV23260)
  - d. Using the "F" Connector Crimp Tool (AV23258), crimp the "F" connector as instructed
  - e. Attach the finished end to the antenna
  - f. Using the nail in cable clips (AV23251), secure the cable to the exterior wall placing a clip approx 6' apart keeping the cable taught as it is being fasten to the wall.
  - g. Take the unfinished end of the coax cable near the hole drilled and feed it into the feed through bushing until the cable comes out on the other side.
  - h. Cut off excess cable; be sure to leave about 12" of cable to work with.
  - i. Strip the end of the cable as you did on the other end and attach the RG6 "F" connector and crimp as done previously.
  - j. Attach the finished end to the coax wall plate (AV23235 or 23239). Push the extra cable back into the wall
  - k. Make sure the wall plate rest flush against the wall and mark the holes to be drilled for mounting the wall plate. (One hole at top and one hole at the bottom)
  - l. Using the 3/16" drill bit drill the two holes marked for the coax wall plate. Stop drilling when the drill bit drills through the sheet rock (approx. 1/2" deep)
  - m. Insert the wall anchors and tap in until flush with the wall
  - n. Position the coax wall plate until the holes line up the wall anchors and use the screws provided with the wall plate to fasten the wall plate to the wall.

- o. Using a ready made coax cable, attach cable to the newly installed wall plate and the other end to the TV

**How to use your new Futura™ Antenna:**

1. Turn TV on
2. Set the TV to the lowest VHF channel
3. If picture is not clear, try one or all of the following suggestions:
  - a. Turn the antenna
  - b. Make sure the cable connections are good and tight
  - c. Make sure you do not have any devices near the TV or the location of the Antenna that may cause interference. If you do move the device if possible.

**Factors that can cause interference with reception:**

- Air Conditioners
- Hair Dryer
- Microwave Oven
- Cordless Phones
- Type of structure (Brick or Stone, or older homes with plastered walls)
- Environmental surroundings
- Space Heaters
- High power consumption devices
- Weather Condition