

INSIGNIA

QUICK SETUP GUIDE

# Long Range Outdoor Antenna

NS-ANT60DA

PACKAGE CONTENTS

- Outdoor antenna
- Mounting hardware kit
- J-Pole mounting bracket
- Quick Setup Guide

**WARNING: INSTALLATION OF THIS PRODUCT NEAR POWER LINES IS DANGEROUS. FOR YOUR SAFETY, FOLLOW THE INSTALLATION DIRECTIONS.**

**NOTE:** A RG59 OR RG6 COAXIAL CABLE (NOT INCLUDED) MUST BE RUN TO CONNECT THE ANTENNA TO THE TELEVISION.

MOUNTING TOOLS

- Drill bits (5/32", 3/8")
- Hammer
- 3/8" and 1/2" sockets/wrench
- Pen or pencil

FEATURES

- 75-mile range (approximate)
- Ultra-sensitive design pulls in distant, weak, or difficult signals
- Designed for outdoor use
- Includes versatile mounting pole
- Full kit of installation parts included
- Compatible with 4K Ultra HD TVs

Before using your new product, please read these instructions to prevent any damage.

**Final flat size: 23.25 × 5.32 in. (590.55 × 135 mm)**  
**Final folded size: 3.92 × 5.32 in. (98.4 × 135 mm)**

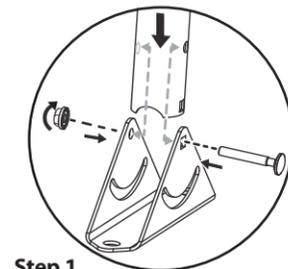
CAUTIONS

- Do not install during rain or lightning storms.
- Do not install near high voltage cables or transformers.

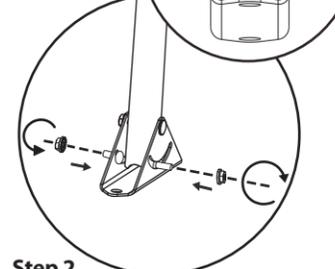


ASSEMBLING J-SHAPE POLE TO BASE

**Alignment**  
 If possible, position your antenna toward the transmission tower. To determine which channels are available in your area, visit [www.antennaweb.org](http://www.antennaweb.org). Type in your zip code to get help with antenna placement.



**Step 1**  
 Place the J-shape pole into the mounting base. Make sure that the screw holes in the pole and the base align. Secure the pole to the base using the 6\*43mm screw and nut.



**Step 2**  
 Put the set screw inside the J-shape pole and tighten the nuts slightly. Adjust the pole to the position you want, then tighten the nuts FIRMLY to prevent slipping.

V1  
FINAL  
FOR PRINT

MOUNTING YOUR ANTENNA

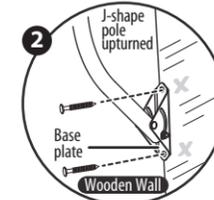
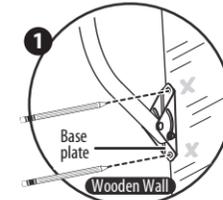
**Note:** When using an electric drill, you should wear protective eye goggles and make sure that the drill bit is installed correctly to avoid injury. Take care when installing this antenna. Professional installation is recommended if you are not comfortable with installing this product.

**For wooden walls:**

- 1 Use the antenna base to mark the screw locations.
- 2 Attach the antenna base to a wall with the included screws (x2). Use self-tapping screw (8\*50mm) included, for installation to the wall.

**Notes:**

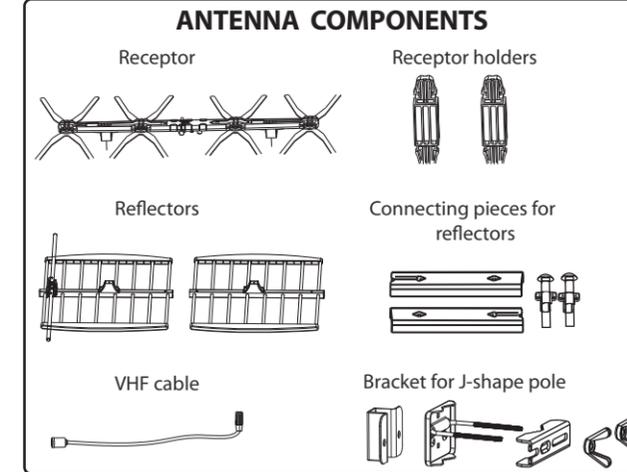
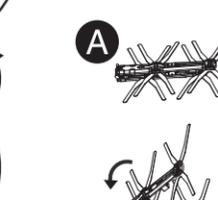
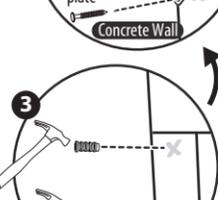
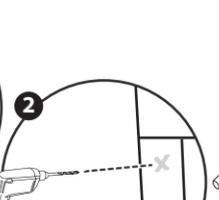
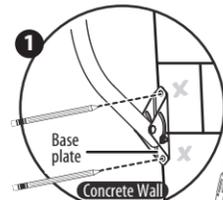
- You may choose to pre-drill the holes using a 3/32" → 5/32" drill bit.
- Make sure that the J-shape pole is upturned.



**For concrete walls:**

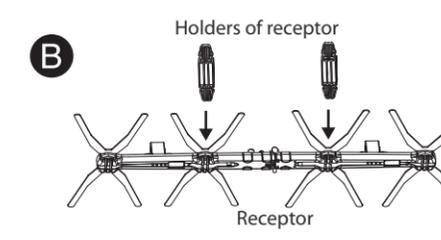
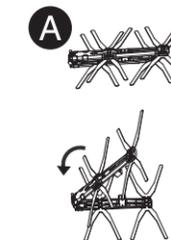
- 1 Use the antenna base to mark the drilling positions.
- 2 Use an electric drill with a 3/8" drill bit to drill two holes that are 1.9in. (38mm) deep, then clean the holes.
- 3 Use a hammer to insert the wall anchors (x2) into the holes.
- 4 Attach the antenna base to the wall with screws (x2). Tighten the nuts FIRMLY to prevent slipping.

**Note:** Make sure that the J-shape pole is upturned.

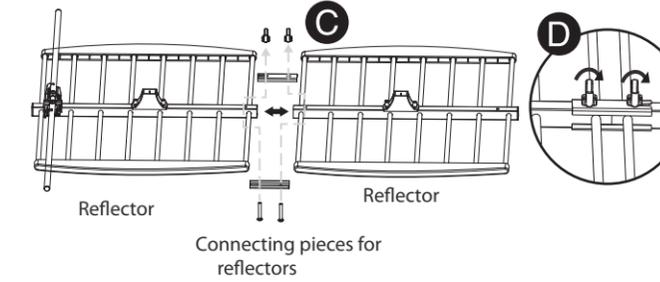


ASSEMBLING YOUR ANTENNA

- 1 Open the receptor (A) and tighten the wing nuts firmly.
- 2 Insert the holders (B) into both sides of the receptor until you hear a click.

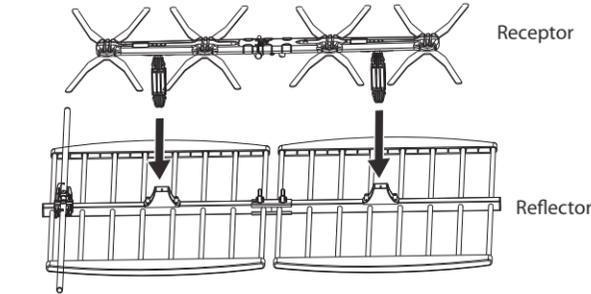


- 3 Unfold the VHF elements of reflectors (C), until they extend at right angles to the plastic boom. Join two reflectors (C) with the connecting pieces (D) by tightening the wing nuts firmly.

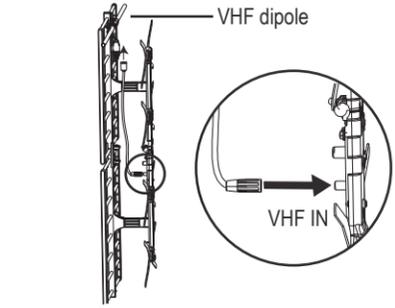


**NOTE:** Once antenna elements and reflectors are extended/installed, they cannot be folded back/removed unless the black plastic catch is pressed and held down when returning the pieces back to their original position.

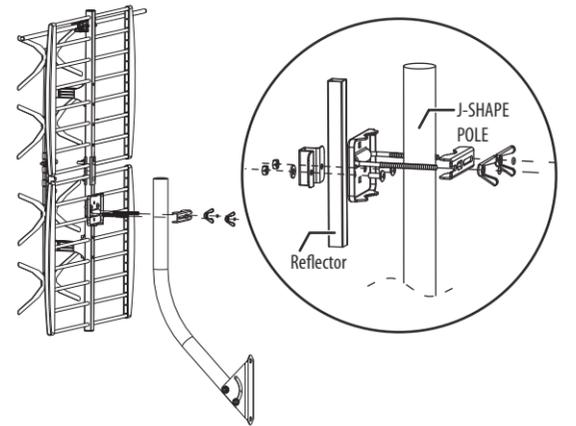
- 4 Insert the holders and receptor into the reflectors until they click into place.



- 5 Screw the VHF cable from the VHF dipole to the connector on the receptor.



- 6 Attach the mounting bracket to the lower reflector and secure it with the screws provided.
- 7 Attach the antenna to the J pole with the bracket, then secure it by tightening the wing nuts FIRMLY to prevent slipping.





### TIPS FOR BETTER RECEPTION

- Install the antenna as high as possible to avoid possible obstacles between the antenna and transmission tower. Obstacles may cause signal loss.
- Keep the antenna away from sources of interference, such as air conditioners, hair dryers, or microwave ovens.
- Run a channel scan every time you move your antenna.
- If possible, position your antenna toward the transmission tower. To determine which channels are available in your area, visit [www.antennaweb.org](http://www.antennaweb.org). Type in your zip code to get help with antenna placement.
- Test the antenna in multiple locations to find the strongest signal.
- Run a channel scan monthly to make sure that you are receiving all possible channels.
- Some TVs have a signal strength indicator that can help with antenna placement. See your TV manual to see if your TV has this feature.
- This antenna works with any TV or device with an ATSC tuner. Refer to the device's manual to check compatibility.
- The antenna's range will vary depending on a wide range of environmental and geographic factors—the mile range provided is only for reference.



### TROUBLESHOOTING

PROBLEM:	SOLUTION:
Cannot find any channels.	<ul style="list-style-type: none"> <li>• Make sure that you have selected the correct input on your TV.</li> <li>• A channel scan must be performed every time the antenna is adjusted.</li> <li>• Make sure that all of your connections are correct and secure.</li> <li>• Adjust your antenna, then rescan for available channels on your TV or set-top box.</li> <li>• Make sure that you are connected to a TV or set top box with an ATSC tuner.</li> </ul>
Picture quality is good on some channels and poor or no reception on others.	<ul style="list-style-type: none"> <li>• Adjust your antenna, then scan for available channels on your TV or set-top box.</li> <li>• Keep the antenna away from sources of interference, such as air conditioners, hair dryers, and microwave ovens.</li> <li>• Your antenna may be too far from the broadcast antenna to receive an adequate signal. The signal may also be affected by obstructions between the broadcast antenna and your antenna.</li> <li>• Make sure that the signal strength from the antenna is adequate. Some TVs have a signal strength indicator. See your TV manual to see if your TV has this feature.</li> <li>• Your digital outdoor antenna's performance may vary based on the weather conditions.</li> </ul>

### TROUBLESHOOTING

PROBLEM:	SOLUTION:
Not all channels are available after performing a channel scan.	<ul style="list-style-type: none"> <li>• Adjust your antenna, then scan for available channels on your TV or set-top box.</li> <li>• Make sure that the signal strength from the antenna is adequate. Some TVs have a signal strength indicator. See your TV manual to see if your TV has this feature.</li> </ul>
I have more than one TV on which I want to view over-the-air TV.	<ul style="list-style-type: none"> <li>• You will need to purchase a digital outdoor antenna for each TV that you would like to view over-the-air TV. OR</li> <li>• You can purchase a coaxial splitter to allow for one digital outdoor antenna to provide channels to more than one TV.</li> </ul>
I am not receiving cable and streaming channels after a channel scan.	<ul style="list-style-type: none"> <li>• Your digital outdoor antenna is capable of receiving local channels that are dependent on the broadcasters in your area. You can use the antenna alongside cable boxes and streaming devices, but it will not provide all of the same content offered by those devices.</li> </ul>
I want HD channels, but I do not have an HDTV.	<ul style="list-style-type: none"> <li>• Your digital outdoor antenna will not upscale to HD if the TV is not HD. You will need to purchase an HDTV or DTV converter box.</li> </ul>

### SPECIFICATIONS

- Dimensions (HxWxD): 31.7" x 30.4" x 9.5" (80.4x77.3x24.2cm)
- Antenna body (without J pole): 2.99 lbs. (1.355kg)
- Net weight (with J pole): 4.81 lbs. (2.18kg)
- Range: 75 miles (approximate, for guidance only)
- Impedance: 75 Ohms
- Beam width (H/V): 60°/360° (VHF)  
60°/30° (UHF)
- VHF Range: 174-230MHz
- UHF Range: 470-862MHz
- Antenna Gain: 2-4dBi (VHF)  
10-14dBi (UHF)

### ONE-YEAR LIMITED WARRANTY

Visit [www.insigniaproducts.com](http://www.insigniaproducts.com) for details.

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