

# ANT100TCR

## User Manual

100-Mile Range Outdoor/Attic Amplified TV Antenna



## Safety Precautions

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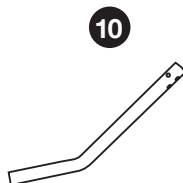
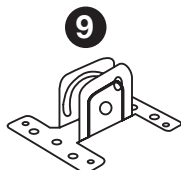
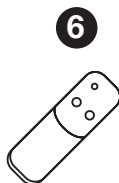
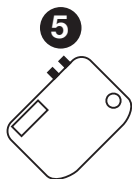
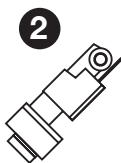
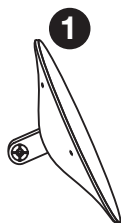
Before using this antenna, please read these instructions carefully. Store this manual in a safe place for future reference.

Read the entire instruction manual before you start installation and assembly. If you have any questions regarding any of the instructions or warnings, please contact Customer Service.

- Inspect your installation site carefully for power lines. Ensure that there is no possibility for your antenna or ladder to come into contact with power lines.
- Make sure that the distance between power lines and your antenna and its mounting structure is at least two times the total height of your antenna and its mounting structure. There must be enough distance between the antenna and power lines, in the event that the antenna falls during or after assembly.
- Ground the antenna and its mounting structure in compliance with the NEC electrical code, as well as all state and local electrical codes.
- Do not use a metal ladder.
- Do not install the antenna on a windy day. If the antenna begins to fall, do not attempt to catch it. Let it fall to the ground.
- Never touch anything or anyone in contact with a power line. In case of emergency, call 911.
- If you are unsure of how to safely install the antenna, please contact a professional in your area.

## I. Included Parts and Hardware

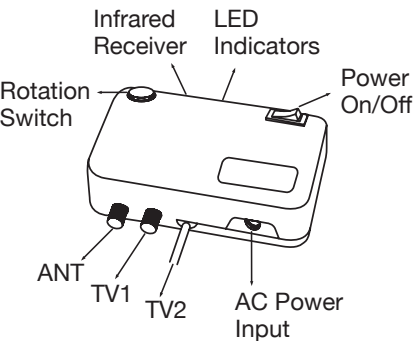
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1. Main Unit
2. Motor
3. Carriage Bolt ( $\frac{3}{16}$ " x  $1 \frac{5}{8}$ " )
4. Wing Nut ( $\frac{3}{16}$ " )
5. Power Supply
6. Remote Control
7. Coaxial Cable (25')

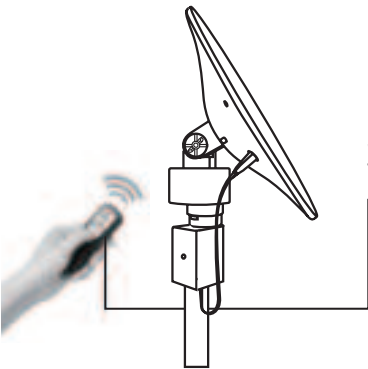
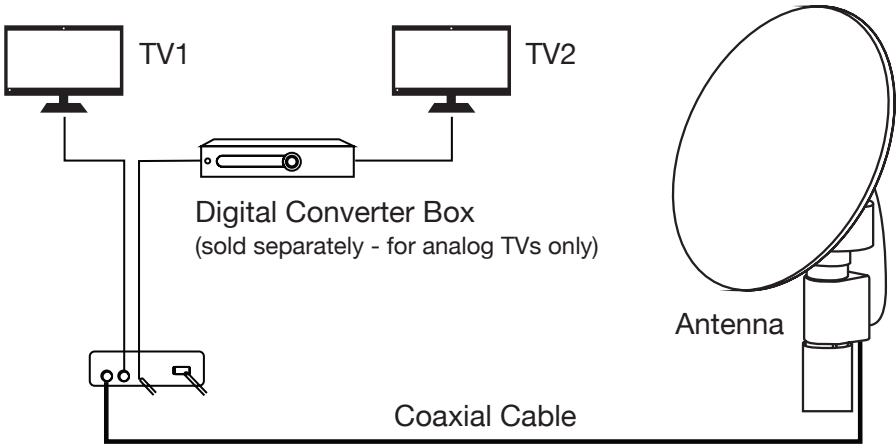
8. Power Adapter
9. Bracket
10. J Pole
11. Expansion Screws x 4
12. Bolts & Nuts x 2
13. Self-tapping Screws x 2

## II. Power Supply



LED Indicators	
Red Light	Power on
Green Light	Antenna is rotating
Yellow Light	Something is wrong with the power supply. Check cable connection.

## III. System Connection



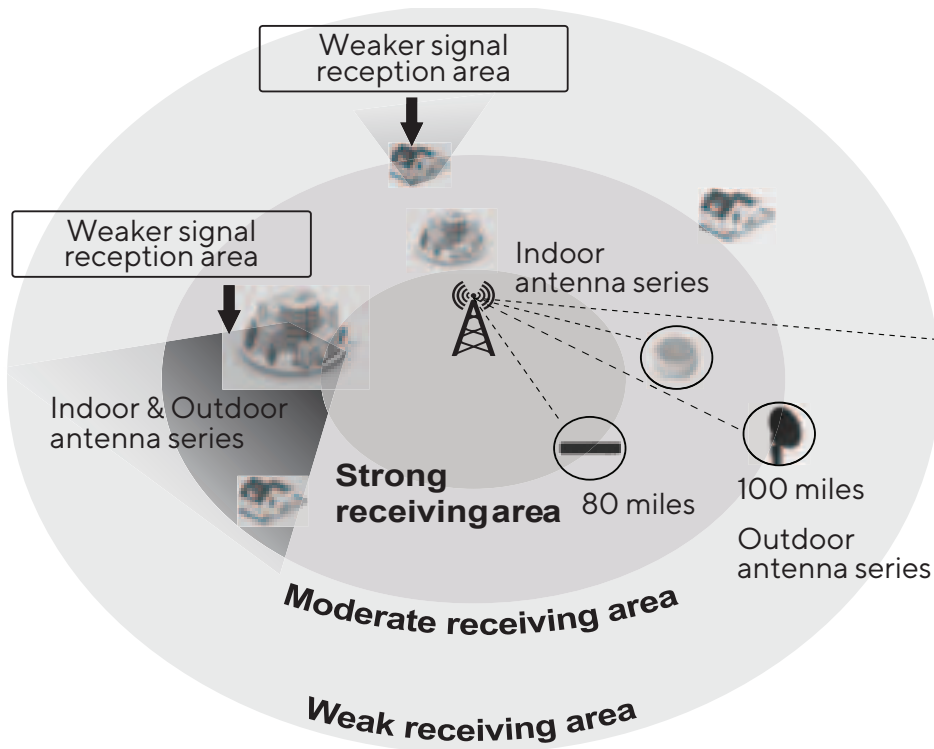
### 360° Motorized Wireless Remote

- Insert 2 AAA batteries (not included) into the remote before use.
- Press the red directional buttons to rotate the antenna to reach the desired station.

## IV. Key Considerations for Your Installation Site

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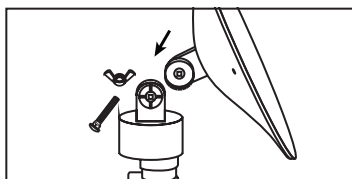
- Be sure that installation is in accordance with all local, city and state electrical and building codes.
- Understand where broadcast towers are located in your area.  
Visit [www.antennapoint.com](http://www.antennapoint.com) or [www.antennaweb.org](http://www.antennaweb.org) and enter your zip code to identify the channels you can expect to receive.



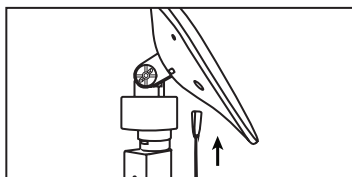
Make sure the distance between your location and TV transmitter tower is within 100 miles, and set up your antenna as high as possible in the direction of the TV tower for better reception. You can search for available channels in your area by visiting [dtv.gov/maps](http://dtv.gov/maps) or [www.tvfool.com](http://www.tvfool.com).

## Step 1: Connect the Main Antenna and Motor

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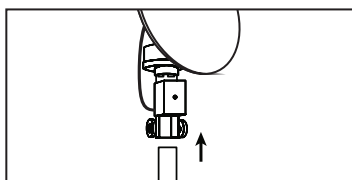
Align the motor with the main unit and secure them in place with the carriage bolt ③ and wing nut ④.



Connect the coaxial signal line from the motor to the main unit and tighten the fastener.

## Step 2: Attach Your Antenna to the J-Pole

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Place your antenna & motor assembly onto the J-pole ⑩, and tighten the column until your antenna is secure.

Tip: Keep a 20-inch clearance around your antenna so it can rotate properly.

## Step 3: Connect Your Antenna

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Using the included coaxial cable ⑦, connect your antenna to the antenna input on the power supply box ⑤. Connect the box to a power source (i.e. an electrical outlet) using the included wall adapter.

If your TV has a digital tuner, simply connect the power supply box output cable directly to your TV's cable input port.

If your TV does not have a digital tuner, connect the power supply box output cable to your digital converter box, and then connect your converter box output cable to your TV.

## Step 4: Scan for Channels

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To perform a TV channel scan:

- Set the tuner mode to “Antenna” or “Air” on your TV’s setup menu.
- Set your TV to scan for channels. This may be listed as auto-program, auto-scan, channel search or channel scan.

Move and rotate your antenna, and note which locations receive the most channels and best channel reception. Use the included remote to rotate your antenna to the desired position

Note: Running a channel scan is not the same as pressing Channel UP/DOWN on your remote.

- Refer to your TV’s user manual for further details.

Note: You must re-scan for channels anytime you move or reposition your antenna.

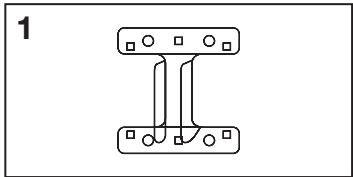
## Step 5: Mount Your Antenna

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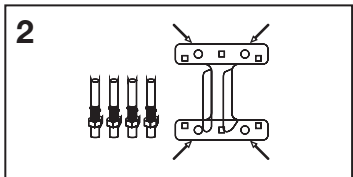
Make sure to test your antenna in multiple locations to find the best reception. Placing your antenna higher up or in a position that is angled toward the broadcast tower may result in better reception. Once you find the location that receives the most channels and best channel reception, you can mount the pole and antenna.

Caution: Your mounting site must be clear of power lines. Do not attempt to mount your antenna near electric power lines.

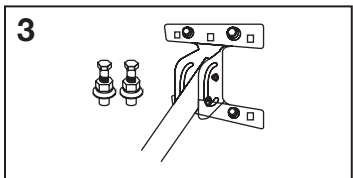
Note: If your walls are made of wood, do not use expansion screws. Use self-tapping screws instead.



Place the bracket base on your wall and mark the corresponding points for the expansion screws and holes, based on the location.



Secure the expansion or self-tapping screws into the bracket base holes.



Connect the pole to the base of the main unit assembly. Use the bolts and nuts to secure the pole to the mounted bracket.



## Specifications

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This antenna can support two TVs at the same time. Simply connect an additional coaxial cable between the power supply box output connector and your second TV.

### **Antenna Specifications:**

- 25' coaxial cable
- Easy install and setup
- Remote control included
- Built-in noise circuit
- Built-in high-gain booster
- 360° motorized rotation
- UHF: 470-606MHz |  $23\pm 2$ dB
- Impedance:  $750\Omega$  | F-connector
- Noise figure: 2.5dB
- Max output level: 105d BIV
- Main voltage: AC-120 / 60Hz
- Operating temperature: 14°F - 122°F
- Weather resistant

### **Pole Specifications:**

- Great for mounting indoor and outdoor antennas, satellite dishes and more.
- Outer diameter: 1"
- Pole length: 16.5"
- Material: iron
- Mounting hardware included

### **I am not getting any channels, or channels are missing.**

Keep your antenna away from sources of interference, including air conditioners, hair dryers and microwave ovens. Rotate your antenna and re-run a channel scan on your TV. Refer to your TV's user manual for more information.

### **Picture or sound freezes while I am watching a channel. Picture quality is weak.**

This is often caused by a weak or intermittent signal. Try moving or rotating your antenna to a different location or angle.

### **When do I need to run a channel scan?**

Run a channel scan after setting up or adjusting your antenna. Visit [www.antennaweb.org/address](http://www.antennaweb.org/address) to calculate the strength of each station. You may then run a channel scan on an as-needed basis.

### **How do I know where the signal is strongest?**

Test your antenna in different locations or at different angles, making sure to run a channel scan every time you move your antenna.

Sometimes moving a few feet can make a difference. The fewer obstructions between the antenna and the tower, and the higher the antenna is mounted, the better the chance of receiving a strong signal.

Some HDTVs have a signal strength indicator that shows how strong your signal is. Refer to your TV's user manual for more information.

### **Where should I mount my antenna?**

The antenna is designed for outdoor and attic use. We recommend mounting your antenna at least 30 feet above the ground to access more channels.

### **Does my antenna work with any HDTV?**

Your antenna works with any HDTV or device that has an ATSC tuner. Any TV manufactured after March 1, 2007 is required by US government to have an ATSC tuner. If your TV menu has an option to scan for digital channels, your TV has an ATSC tuner.

### **How many channels will I receive with my antenna?**

The number of channels will vary from location to location. Generally, if you live in or near a metropolitan area, you will receive more channels than if you live outside a metropolitan area. Keep in mind that antenna reception may vary based on terrain (including trees, buildings, hills and mountains). The fewer the obstructions, the better your chance of receiving strong digital signals.

### **How do I confirm that my antenna is working properly?**

Connect your antenna to the power supply. Make sure the indicator light is on. Then, plug your antenna into your TV's tuner, and make sure there are input signals.

### **What should I do if my antenna indicator light is off?**

If the light does not turn on, please check whether the connector is loose, the plug is not fully inserted or if it is placed incorrectly.

### **Are all broadcasts now in High Definition?**

Not all digital signals are in High Definition. Make sure your digital receiver is an HD receiver, otherwise HD channels cannot be viewed.

## Need Help?

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For customer support regarding your device, please submit a request by emailing **support@dpaudiovideo.zendesk.com**. You will be provided a ticket number regarding your inquiry, which you can refer to when contacting us further.

You may also reach a Core Innovations customer service representative by calling **1-833-909-CORE (1-833-909-2673)**. We are available Monday - Friday, 9am - 5pm PST, except major holidays. Core Innovations strongly urges customers to email their inquiry prior to calling, as this will enable us to better assist you.

Please make sure to note the model number and a description of your inquiry.

Thank you for purchasing a Core Innovations product.

## Warranty Information

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### Limited Warranty

Core Innovations (the “Company”) warrants the product purchased and contained in this package (the “Product”) against defects in material or workmanship for 90 Days (Parts & Labor) and 1 Year (Limited). In order for the Company to honor this limited warranty, you must present a valid proof of purchase (i.e. a receipt) of this Product.

This warranty is void if the Company deems, in its discretion, that the Product may have been damaged through modification, improper use, end user negligence, water damage or tampering of the barcode of the Product. This warranty is a limited warranty for repair/replacement of the Product, subject to the conditions set forth herein.

The Company is not liable for consequential, indirect, incidental, special or punitive damages and the Company’s total liability hereunder shall not exceed an amount greater than the retail purchase price of the product.

### 90 Days Parts & Labor

The Company warrants to you as the original retail purchaser of the Product, that should the Product have any defect, under normal conditions, such defect(s) will be repaired or replaced with a new or refurbished part (at the Company’s sole discretion) without charge, if the Product is submitted to the Company within a period of ninety (90) days from the date of purchase of the Product. The customer is responsible for transportation cost and insurance charges (if applicable) to the Company. It is the customer’s responsibility to retain original packaging or provide like packaging in order to facilitate the warranty process. The Company will incur no liability whatsoever to provide packaging for warranty items. Should the product be damaged due to insufficient packaging, the warranty may be voided. You must receive a return authorization number (RMA#) before sending the unit in for service. This warranty only applies to manufacturer defects, and the Product must be returned to the Company in its original condition.

### 1 Year Limited Parts

The one (1) year limited parts warranty gives you the option to return the Product to the Company for repair or replacement. The customer will be responsible for labor charges. This warranty does not cover any incidental or indirect costs incurred as a result of a defect in the Product, including any consequential, incidental or indirect damages.

## Appendix

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ☐ Reorient or relocate the receiving antenna.
- ☐ Increase the separation between the equipment and receiver.
- ☐ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ☐ Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.



*Core Innovations intends to make this manual accurate and complete. However, Core Innovations makes no claim that the information contained herein covers all details and conditions. The information in this document is subject to change without notice at any time. Core Innovations assumes no responsibility for accuracy or completeness of the information contained in this manual.*