Amplified Indoor • Outdoor Antenna
VHF • UHF

10 dB Amplification
fixed 10 dB amplification for improved reception of weak signals

Paintable
customize your antenna color to match your interior or exterior décor

Versatile
install your antenna indoors or out, just about anywhere

Limited One-Year Warranty
ANT711
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Important Safety Precautions

Many do-it-yourself and professional antenna installers are injured or killed each year by electric shock. While anyone can see the obvious danger of falling from a ladder, the most resourceful people sometimes fail to recognize overhead wires as being potentially lethal. Touching any part of the antenna mast or guy wire to these overhead wires results in the same shock you would receive if you touched these wires directly with your bare hands. A very serious shock is almost sure to result when contacting an electrical wire and, in the case of primary wires on the top of poles, the shock is similar to being struck by a bolt of lightning. Many power wires are within 20 to 25 feet of the ground and could easily be touched by an assembled antenna and mast.

Please read and follow these important safety precautions.

- Be sure to select an antenna site well away from all overhead wires.
- Do not try to determine which overhead wires carry high voltage. Check with the power company.
- If you notice anything making contact with the overhead wires, call the power company to have it removed safely.
- Do not run the downlead cable over power wires.
- Obtain help from a qualified professional when removing the old antenna if there is any doubt clearing overhead wires.
- Never install an antenna by yourself. Be sure to have at least two people available for help.
- Never install the antenna when it is windy.
- Be sure to do all assembly work on the ground; then raise the antenna.
- Make sure the antenna mast downlead cable is connected to a suitable lightning arrester.
- Use 8 (or larger) AWG ground wire between the mast and the ground.
- Make sure the installation is secure with the use of guy wires or other mounting hardware.
- If you lose your grip on the antenna, let it fall to the ground. Do not attempt to catch it as it may touch power lines as it falls.
- CALL THE POWER COMPANY TO REMOVE THE ANTENNA IF IT FALLS AND TOUCHES POWER LINES. DO NOT ATTEMPT TO REMOVE IT YOURSELF.

Important Antenna Notes

The ANT711 antenna system is designed to work properly when the power injector is connected to the antenna through a 75-ohm coaxial cable, such as RG6 or RG59.

The power injector has an indicator light to point out that
- DC power is being supplied to the antenna.
- There are no shorts in the connection between the power injector and antenna.
- The coaxial cable between the power injector and the antenna is used for
  - Carrying DC power from the power injector to the amplifier board in the antenna.
  - Carrying the amplified TV signal from the antenna through the power injector to the video equipment.

If any devices are used in your home cabling system, such as amplifiers, splitters, combiners, matching transformers or 300-ohm cable, they must be connected only between the power injector and your video equipment. Any devices connected between the power injector and the antenna might cause a short in the amplifier power source. If this happens, the injector’s indicator will not light and the signals to your video equipment (multiple TVs or VCRs) may be significantly degraded.
Coaxial Cable Installation Precautions

• Do not bend the coaxial cable into less than a three-inch radius. Tighter bends can cause shorts and can change the cable’s impedance.
• Do not install the coaxial cable where it will have a pulling tension greater than 15 pounds during installation. After installation, make sure there is no tension on the cable.
• Use only round-headed staples. Any clamps or securing devices used with coax should grip the cable evenly about the circumference without crushing the cable. Flat staples can damage the coaxial cable.
• Do not expose the coaxial cable to a temperature greater than 176 degrees Fahrenheit. Keep the cable away from heating vents and water heaters.
• The cable jacket withstands most outdoor environments. However, you must seal the connections and splices against water entry.

Connecting the Antenna to Your TV

To connect the antenna to your TV, follow these steps:

1. Connect the coax downlead from the antenna to the ANT jack on the power injector.
2. If your TV has an F-connector, connect the short coaxial cable on the power injector to your TV’s VHF/UHF 75-ohm F-connector.
3. Insert the supplied AC adapter’s small plug into the DC 12V jack on the power injector.
4. Plug the supplied AC adapter into a standard AC outlet. If the power injector’s indicator lights up, the antenna is properly working.
5. Hold the antenna as close as possible to the area where it is to be mounted to check TV reception.

NOTE: Reception may change if mounted in a different location than the testing site.

ANT711 Hardware

The ANT711 antenna package includes the following items:

• ANT711 Antenna (1)
• Screws, #10 x 3”, SS Phillips pan head (2)
• Power injector (1)
• Mounting spacers (2)
• AC adapter (1)
• Mast bracket (1)
• Adjustable wall mounting brackets (2)
• Bolts, 1/4-20 x 1-1/2 SS hex head (2)
• Screws, #8 x 1-1/2”, SS Phillips pan head (4)
• Coaxial cable, 6ft RG6 (1)

Mounting the Antenna

Interior or Exterior Mounting To a Wall Using the Adjustable Wall Brackets
Determine the desired mounting location. Attach the adjustable brackets, and mark the wall to indicate mounting location. Attach the brackets by placing them into the slots on the rear of the antenna at the desired location. Turn counter-clockwise to tighten brackets. Attach one end of the coaxial cable to the rear F-connector of the antenna. Secure the antenna to the wall using the #8 x 1 1/2” self-tapping screws.

Interior or Exterior Mounting To a Wall Using the Spacers
Determine the desired mounting location. Mark the wall to indicate placement of antenna. Attach one end of the coaxial cable to the rear F-connector of the antenna. Secure the antenna to the wall using the #10 x 3” screws and spacers.

Lightning Protection for Exterior Mounting

• Mount a grounding block (not supplied) as close as possible to the point where the downlead enters the house.
• The downlead wire from the antenna to the grounding block and the mast ground wire should be secured to the house with stand-off insulators, spaced four to six feet apart.
• For a “ground-up” antenna installation, you may not need to ground the mast if it extends four or more feet into the earth.

Connecting the Antenna to Your TV (Continued)

Exterior or Attic Mounting To a Mast
Place both 1/4-20 bolts through the holes in the mast bracket. Thread into the back of the antenna. Slide the bracket over the top of the mast and tighten bolts to secure. (To prevent damage to the antenna, do not over tighten the bolts.) Raise the mast and secure it at the desired location. Then, connect the cable.

Coaxial Cable Installation Precautions

• Do not bend the coaxial cable into less than a three-inch radius. Tighter bends can cause shorts and can change the cable’s impedance.
• Do not install the coaxial cable where it will have a pulling tension greater than 15 pounds during installation. After installation, make sure there is no tension on the cable.
• Use only round-headed staples. Any clamps or securing devices used with coax should grip the cable evenly about the circumference without crushing the cable. Flat staples can damage the coaxial cable.
• Do not expose the coaxial cable to a temperature greater than 176 degrees Fahrenheit. Keep the cable away from heating vents and water heaters.
• The cable jacket withstands most outdoor environments. However, you must seal the connections and splices against water entry.
Limited One-Year Warranty

THOMSON INC. warrants that, for one year from date of purchase, it will replace this product if found to be defective in materials or workmanship. Return it postage paid to the Product Exchange Center, 11721 Alameda Ave., Socorro, TX 79927 for prompt, no-charge replacement with a current equivalent. This replacement is THOMSON INC.’s sole obligation under this warranty. THOMSON INC. will not be responsible for any incidental or consequential damages or for any loss arising in connection with the use or inability to use this product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty excludes defects or damages due to misuse, abuse, or neglect. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

Specifications

Dimensions: 46.9”w x 5.75”h x 3’d
Operational bandwidth: VHF @ 54-88, 174-216MHz, UHF @ 470-806MHz
FM trap: Fixed @ 88-108MHz
Amplifier gain: 10 dB Average
Output impedance: 75 Ohms
Power requirement: 12V DC/120V AC, 60Hz (with supplied adapter)
Weather resistance: amplifier is conformal coated

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