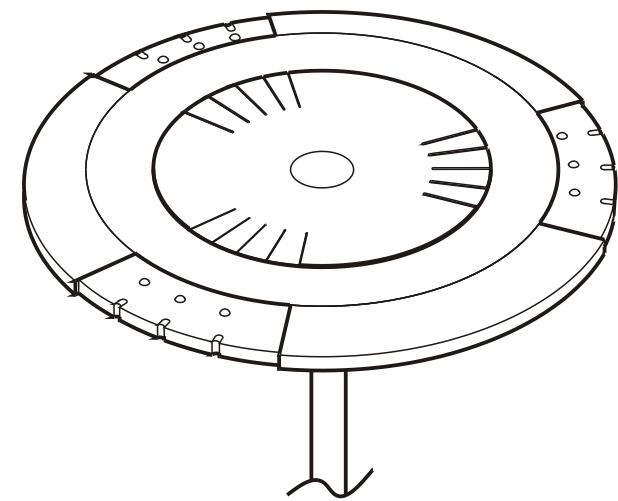


## 21-INCH OMNIDIRECTIONAL TV ANTENNA



Your OMNI24 Omnidirectional TV Antenna with Fixed FM Trap provides excellent reception of VHF/UHF TV channels in most viewing locations. The antenna's compact modern styling blends well with the decor of most any home. The UV-protected housing is made of impact-resistant filled copolymer, making the exterior resistant to weathering and color change. The antenna's unique omnidirectional characteristics provide excellent reception in areas where broadcasts are received from different directions.

The built-in fixed FM trap helps prevent strong FM stations from interfering with TV Channels 2-13.

The OMNI24's design and performance in delivering off-the-air local programming make it an ideal companion piece to mini dish satellite systems.

The OMNI24 installation kit includes a mounting bracket and mast part expressly designed to provide to provide a neat, effective and compact installation for both the OMNI24 antenna and a mini dish antenna at the same location.

### 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, the most resourceful sometimes fail to recognize overhead wires as being potentially lethal. To touch any part of the antenna mast or guy wire to these overhead wires is the same as touching the wires with your bare hand. 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 like being struck by a bolt of lightning. Many power wires are within 20 to 25 feet of the ground and could easily be touched an assembled antenna and mast.

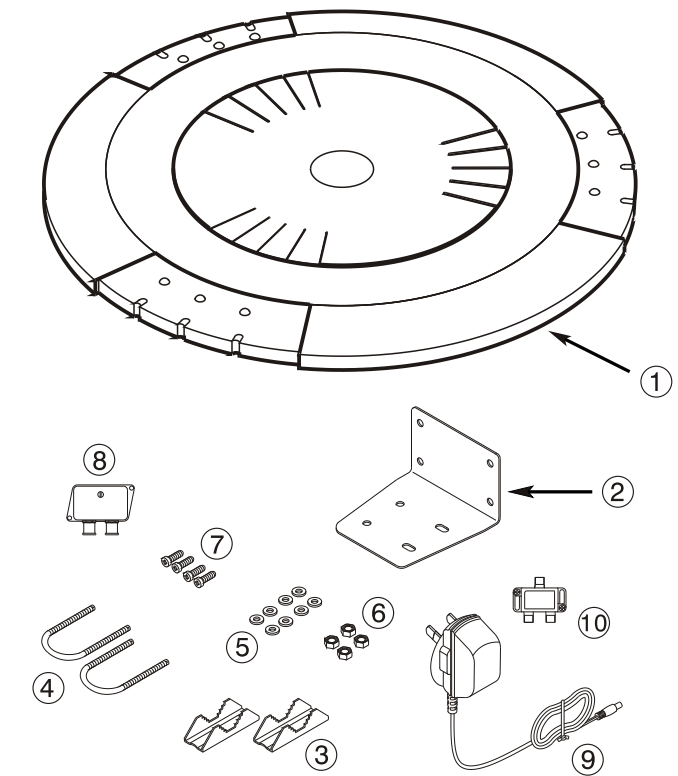
### Please read and follow these suggestions, if applicable

1. Try to have two people available for help, if needed.
2. Try to select an antenna site well away from all overhead wires.
3. If possible, do all assembly work on the ground and then raise the antenna.
4. Do not try to install the antenna when it is windy.
5. If anything should come in contact with overhead wires, call the power company. They will remove it safely.
6. Do not try to guess which overhead wires carry high voltage. Check with the power company.
7. Make the installation secure. Use plenty of guy wires and good hardware.
8. Make sure the antenna mast and download cable are connected to suitable lightning arrestors.
9. Use a ground wire between the mast and ground.
10. Do not run the download cable over power wires.
11. Get professional help when removing the old antenna if there is any doubt clearing overhead wires.

MOUNTING THE ANTENNA

For the best results, mount the antenna away form trees or other obstructions. Higher frequencies are noticeably affected by these obstructions.

The antenna is easy to install on any antenna mast or optional light-duty mount using simple hand tools. The antenna package includes these parts:



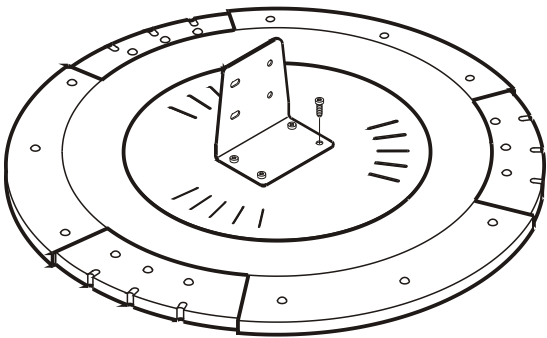
① Antenna	1
② Antenna Mounting Bracket	1
③ Mast Clamps	2
④ 1/4-Inch U-Bolts	2
⑤ 1/4-Inch Split Lockwashers	8
⑥ 1/4-20 Hex Nuts	4
⑦ #12X1/2-Inch Long Self-Tapping Screws	4
⑧ Power Injector PS-12GC	1
⑨ AC Adapter	1
⑩ Indoor Diplexer STV-S481	1

Your need the following additional items (not supplied)

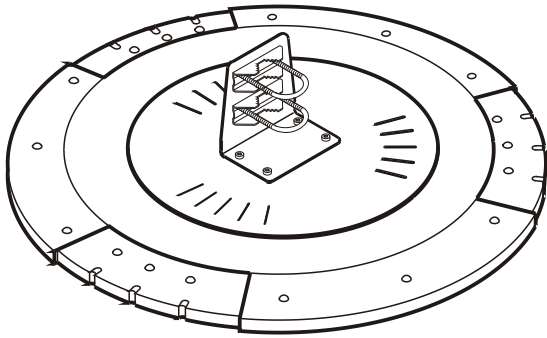
- Coax Downlead, such as RG-6
- Coax Sealant Tape or Weather Boots

Outside Mounting

1. Attach the antenna mounting bracket to the bottom of the antenna using the four #12 X 1/2-inch long selftapping screws and four #12 split lockwashers.



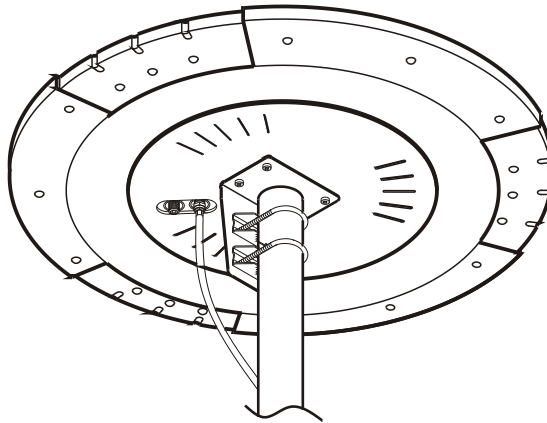
2. Attach both mast clamps, U-bolts, four 1/4-inch split lockwashers, and four 1/4-20 hex nuts to the mounting bracket.



**Note:** Do not tighten the hex nuts.

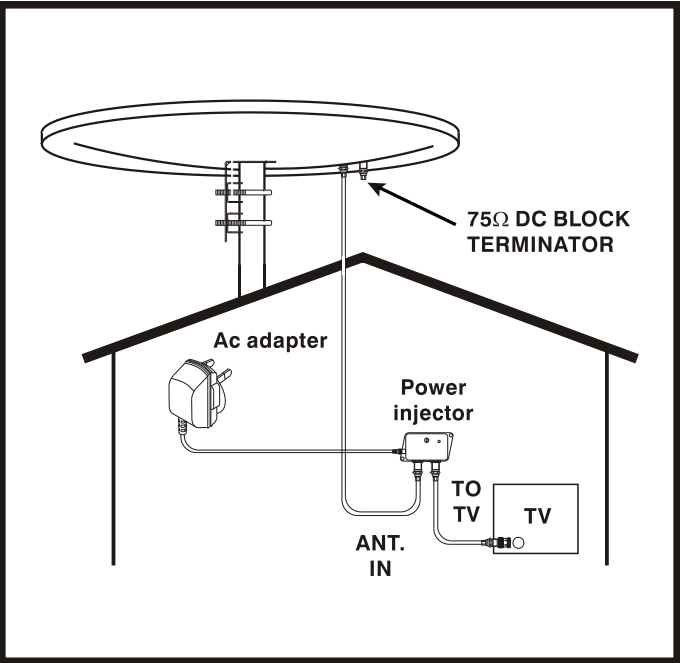
3. Plug one end of the 75-ohm coaxial downlead cable to the antenna's jack and seal the connection with coax sealant tape or a weather boot.

4. Mount the antenna on the mast, and secure it by tightening the hex nuts evenly onto the U-bolts.



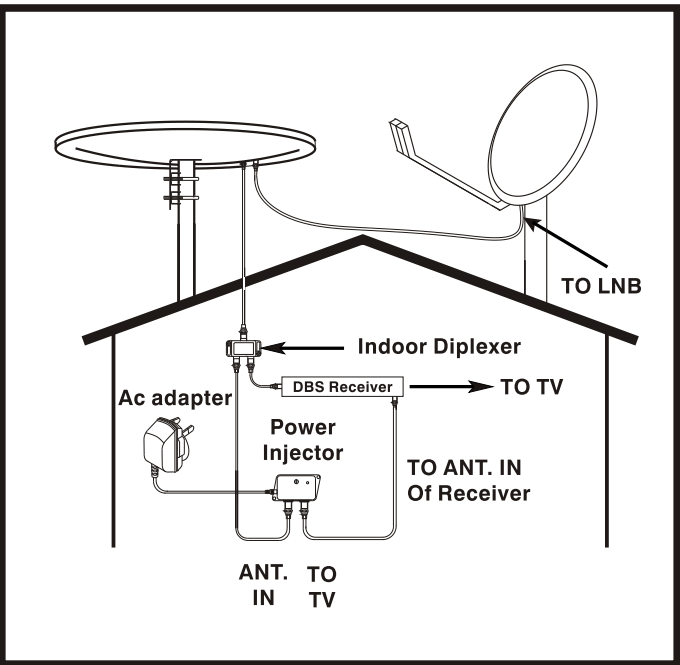
WIRING ANTENNA

WITHOUT SATELLITE DISH



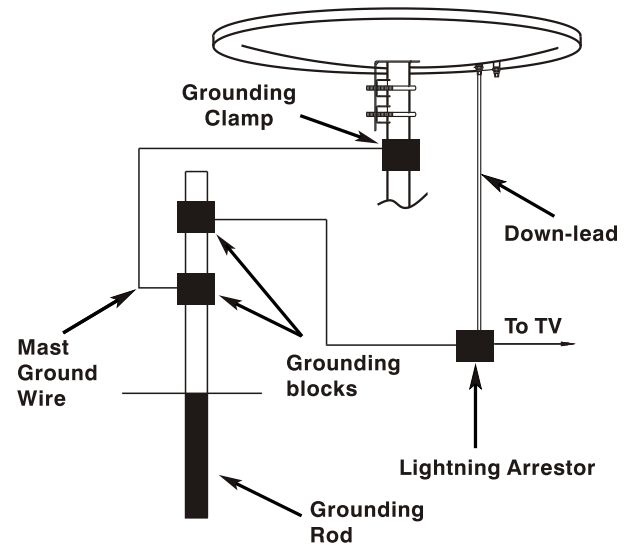
**SUGGESTION:** If don't connect to satellite dish, you can screw a 75Ω DC Block Terminator (JEBSEE NO. F-75DB, not included) on the SAT. Input connector.

WITH SATELLITE DISH



Lightning Protection (when mounting the antenna outside):

- Ground wires for both the mast and downlead should be copper or aluminum wire, 8 AWG or larger.
- Mount a grounding block, as close as possible to where the downlesd enters the house.
- 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 4-6 feet apart.
- For a "ground up" antenna installation, you might not need to ground the mast if the mast extends 4 or more feet into the earth.



CONNECTING THE ANTENNA TO TV

1. Connect the coax downlead from the antenna to the "ANT IN" jack on the power injector.
2. Connect a short coax cable from the power injector to your TV'S VHF/UHF 75 ohm F-connector.
3. Insert the supplied AC adapter's small plug into the power injector's DC 12V jack. Then plug the adapter into a standard AC outlet. The LED on the power injector lights to indicate that the antenna is properly connected.

SPECIFICATIONS

Bandpass:	
VHF.....	54-68,170-230MHz
UHF.....	470-862MHz
FM Trap(Fixed).....	95-108MHz
VHF/UHF Gain.....	22dB Average
SAT. IN.....	950-2300MHz
SAT. INSERTION LOSS.....	4.5dB
Impedance.....	75ohms, Unbalanced
Power Requirement.....	12V== 200mA
	120V~, 60Hz (with supplied adapter)