



## Helpful Information About Your AM/FM Tower

TOWER

Remember that no antenna can receive a radio signal that isn't there. When a usable radio signal is present, your **AM/FM Tower** will improve AM and FM reception.

Note: Generally, a practical limit to radio reception is 40-50 miles from the broadcast transmitter depending on the terrain.

Gain Control Knob:

Located on the front of the **AM/FM Tower** is the gain control knob. The gain control is the mechanism which either increases or decreases the antenna's amplifier intensity. The further away you are from the radio signal, the more you increase the gain. If you are very close to the radio signal, signal saturation occurs, lowering the gain will decrease the amount of distortion. See Fig. 4.

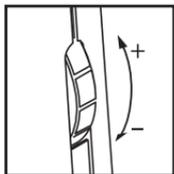


Fig. 4

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## Limited Warranty

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## Common Questions

- Q: My TERK antenna does not work with my boom box. What can I do?  
 A: You can only use a TERK antenna on a system where there is an input for an external antenna. Some portable boom box radios do not have such an input.
- Q: Can I extend the wire on my FM antenna to place it on a window sill or somewhere away from my receiver?  
 A: You can extend the wire with RG-59 cable and a two-way F connector. These items are available at any electronics store.
- Q: When I touch the antenna, it works better. How come?  
 A: When you touch the antenna and your feet are touching the ground, you are acting as a giant antenna. You can only accurately judge how the antenna is working when you let it go.



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## TOWER OWNER'S MANUAL



AM/FM Tower  
Powered Indoor Antenna

**TERK**



## Making Connections With Your New AM/FM Tower

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Radio tuners and receivers can have different connections for your new Tower antenna. Please find the connection that best matches your tuner or receiver and follow the listed instructions.

### FM Connections:

75 Ohm Coaxial:

Your TERK antenna has a Slip-On Coaxial connector on the FM lead. Simply slide the connector onto the coaxial terminal. See Fig. 1.

75 Ohm Push-Button Connection:

If your Radio tuner or receiver has Push-Button terminals for FM you will need to use the supplied RED 75 Ohm matching transformer. First slide the RED 75 Ohm matching transformer into the connector on the FM lead of the antenna. Next slide the Red wire into the terminal marked "FM 75 Ohm". Lastly connect the BLACK wire into the terminal marked "FM Ground" or "GND". See Fig. 2.



Fig. 1



Fig. 2

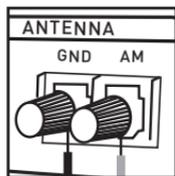


Fig. 3

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TOWER

### AM Connections:

AM Push-Button Connection:

Your TERK antenna uses a Twin Lead Bare Wire for AM connections. If your radio tuner or receiver has a Push-Button connection, simply slip the bare wires into the push button connections. For a Screw Terminal connection, for wrap the bare wires around the screw terminals and tighten. See Figs. 2/3.

Power Connection:

Plug the small end of the included power supply into the jack located on the Slip-On Coaxial connector at the end of the FM Lead. Plug the large end of the power supply into any working electrical outlet.

NOTE: When plugged into an electrical outlet, your TERK antenna will remain "ON". This is not a problem because the AC adapter uses very little power. To turn "OFF" the power supply, it must be plugged into a switched outlet. Some late model radio tuners and receivers come with a switched outlet located on the back. It is safe to use this outlet for the TERK power supply.

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## Locating Your AM/FM Tower For Best Results

TOWER

1. All antennas are affected by electromagnetic fields. To maximize performance, position your **AM/FM Tower** antenna away from direct contact with receivers, tuners, CD players, TVs and computers.

Note: Antennas work best when CD players, VCRs and computers are turned off.

2. Keep the antenna away from large metal objects. Placing the **AM/FM Tower** near a window often provides the best results.

3. On occasions, certain areas in your home may be null points or dead spots where no radio signal can be received. This may also occur in metal-frame buildings and houses with aluminum siding. In this case, simply move your antenna, trying different locations, until the best reception is achieved.

4. In weak signal areas, optimum tuning is achieved with your receiver's scan button in the off position.

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