

**Q**

OWNER'S MANUAL



AM/FM Q  
Powered Indoor Antenna

**TERK**



## Making Connections With Your New AM/FM Q



Radio tuners and receivers can have different connections for your new AM/FM Q 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.

1

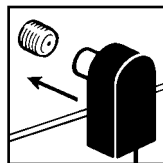


Fig. 1

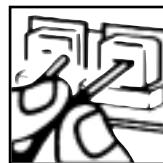


Fig. 2

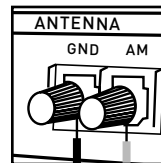


Fig. 3



#### **AM Connections:**

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, 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.



## Dual-Mode Operation



Your TERK antenna is designed to bring out the best in your AM/FM receiver. It is a sophisticated, variable band-mode, high-tech instrument that incorporates the latest advances in antenna design and computer circuitry. The Terk AM/FM Q antenna provides you with dual tuning modes: Wideband Tuning and Narrowband Tuning.

### AM/FM Wideband Tuning Position:

To set the antenna to Wideband mode, rotate the bottom dial clock-wise until all LED's are RED. Wideband mode disables the exclusive Pin-Dot Pre-Tuning feature. Wideband allows equal "pick-up" power for all stations on the dial. See Fig. 4.

3

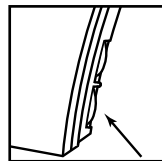


Fig. 4



#### AM/FM Narrowband Tuning Position:

The Q also provides you with the ability to pick up hard-to-get radio stations and achieve the best possible signal with the least amount of noise with Pin-Dot Pre-Tuning. Pin-Dot Pre-Tuning allows you to manually “fine tune” in weaker stations.

To set the antenna to Narrowband mode and take advantage of Pin-Dot Pre-Tuning, adjust the bottom dial counter-clockwise to the Narrowband position. You are in Narrowband mode when all LED's are GREEN except for one RED LED. You “fine tune” a station by positioning the single RED LED like a dial on a tuner. The left-most LED is 88MHz and the LED furthest right represents 108MHz.

Example: If the station you want to fine-tune is 95.5, then position the red LED between the left and center green LEDs. See Figs. 5.

4

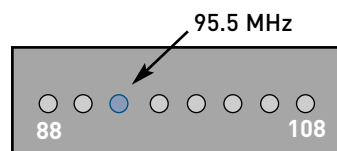


Fig. 5



## Locating Your AM/FM Q For Best Results



1. All antennas are affected by electromagnetic fields. To maximize performance, position your AM/FM Q 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 Q 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.
5. The Q's AM loop antenna is the **BLACK** rippled section of the antenna. For optimum AM results, position the "AM Loop" away from the FM portion of the antenna so that the AM Loop is at a 90° angle from the FM antenna. The AM portion of the Q is non-amplified. See Fig. 6.



## Helpful Information About Your AM/FM Q



Remember that no antenna can receive a radio signal that isn't there. When a usable radio signal is present, your AM/FM Q 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 back of the AM/FM Q is the gain control knob. The gain control is the mechanism that 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. 7.

6

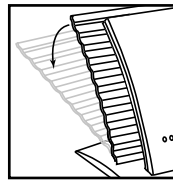


Fig. 6

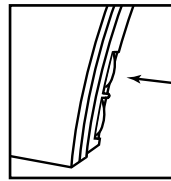


Fig. 7

## Limited Warranty

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TERK TECHNOLOGIES CORP. (TERK) warrants this product against defects in materials or workmanship for one year from the date of purchase. During this warranty period, this product will be repaired or replaced, at TERK's option, without charge.

Please read your instructions thoroughly and use this product only as directed. This warranty does not cover any damage due to commercial use, accident, misuse, abuse, or negligence. This warranty is valid only in the United States of America.

Repair or replacement as provided under this warranty is the exclusive remedy of the consumer. TERK shall not be liable for any incidental or consequential damages for breach of any expressed or implied warranty on this product, except to the extent prohibited by applicable law. Any implied warranty of merchantability or fitness for a particular purpose on this product is limited to the duration of this warranty.

## Common Questions

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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.

**For more information, visit [www.terk.com](http://www.terk.com) or, for technical support, call 1.800.942.TERK (8375).**

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