

CANT-0028 - Multi-Band Signal Antenna

The CANT-0028 multi-band outdoor signal antenna provides improved signal for applications running in the cellular, AWS, and PCS frequency bands. For maximum performance be sure to aim the antenna in the direction of your wireless provider's tower. If you know the direction of your provider's tower, simply point the antenna in that direction. If you are unsure of the location of the nearest tower, see antenna aiming instructions below. Note: the closest tower to your location may not be for your specific provider

Includes: Antenna, cable with F type connector and mast mounting kit (*mast not included*)



**mast not included*

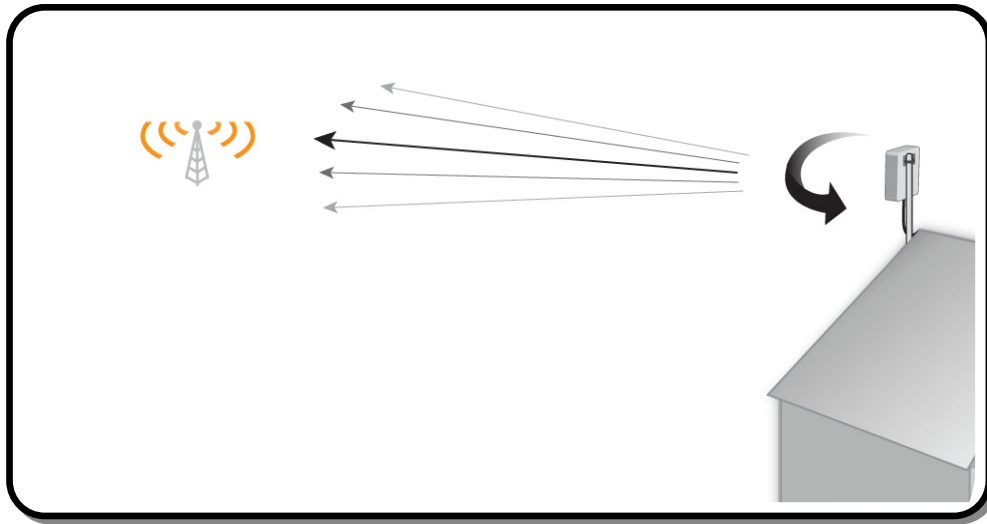
Note: Choosing the highest possible point for antenna placement will usually produce the best results. If you do not have roof access, you should choose the side of the building with the strongest signal.

Keep the Antenna at least 3 feet above metal.

Keep the Base Unit unplugged until all cables are connected.

Installation Steps:

1. Once you have determined the location of strongest signal, install a mast or pole (not provided) on which to mount the antenna.
2. Connect the antenna to the mast using the provided brackets loosely enough to allow rotation around mast. Before securing antenna hardware, take care in finding the optimum angle at which to aim the antenna – See **Antenna Aiming** Section for further instruction.
3. Connect coax cable to the antenna.
4. Route the cable indoors and connect it to the base unit using the Cell Phone Signal Booster installation instructions.



Antenna Aiming

To get the maximum benefit, you will want to take special care to point the antenna in the direction of the best signal for your wireless service provider.

1. Place your cell phone on a non-metal surface which is 6-8 feet from the Base Unit Antenna.
2. Turn the signal booster on and wait 30 seconds. Note the number of signal bars displayed on your cell phone. For best results, you want your phone to display in the middle of the signal meter range or less so that it can go up as you rotate the Signal Antenna to the optimum direction. If it is reading too high, move the phone farther from the base unit antenna.
3. Record the number of signal bars (or range) _____(A) on your cell phone. Leave the phone in the same place and pointing in the same direction for the following steps.
Note the direction of the antenna starting position _____.
4. Rotate the antenna mast 90 degrees and then record the phone signal bars _____(B).
5. Continue to rotate the antenna mast another 90 degrees in the same direction and record the phone signal bars _____(C).
6. Again, rotate the antenna mast another 90 degrees in the same direction and again record the phone signal bars _____(D).
7. Look for the highest reading above. Set the antenna to that position and tighten the antenna mast.
8. If you desire to optimize further, then look for the two highest signal bar readings above and move the antenna between these two points to find the highest signal bars reading.
9. Once you have determined the highest reading position tighten the antenna mast.

You have now completed the Directional Signal Antenna installation.

Technical Specifications

Frequency	824 – 960 MHz	1710 – 2170 MHz
Gain	6dBi	8dBi
Beamwidth	72 degrees	60 degrees
F/B ratio	10dB	20dB
Connector	F type	
Impedance	50 ohm	
Supported transfer protocols	CDMA, EV-DO, UMTS, HSDPA, HSUPA, GSM, GPRS, EDGE	
Dimensions	6.7" x 4.8" x 1.75", 15 oz	