

## **YX055-CEL Signal Antenna Installation**

The 18-element Yagi antenna you have purchased provides enhanced cellular performance with your zBoost signal booster.



Maximum performance will be achieved when the antenna is aimed at the strongest signal from your wireless provider. If you know the direction of your provider's tower, simply point the antenna in that direction. Note: the closest tower may NOT be used by your provider. Some helpful hints are included if you are unsure where your tower is located.



**Note:** Unplug the Base Unit until all cables are connected. Plug-in the Base Unit and verify that the Power light stays green and no red indicators light; otherwise, you may have to reorient the antenna or relocate to another location in the room. See the Troubleshooting section and [www.zBoost.com](http://www.zBoost.com) for more information.

### **Installation Steps:**

1. The highest point 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. With your wireless phone turned on, walk around your house while noting the number of "bars" on your signal strength indicator.
2. When you have determined the location of the strongest signal, install and tighten the antenna to your antenna mast or pole with the brackets provided. Loosely tighten the mast, so that you can rotate it from the base.
3. Connect the RG-6 coax cable to the antenna.
4. Wrap the F- type connector using the Coax-Seal tape provided in the package.
5. Route the antenna 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 make sure you 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.

- Please consult your zBoost Cell Phone Signal Booster installation guide for complete troubleshooting information.

For the **latest installation tips**, visit our website at [www.zBoost.com](http://www.zBoost.com)

**Specifications:**

Frequency Range	824-896 MHz
Gain	15dBi
Beamwidth	H 27 degrees
	V 25 degrees
F/B Ratio	>20 dB
VSWR	<1.5
Impedance:	75 ohms
Polarization	Vertical
Dimension	62.99"L x 7.5"H x 1.5"D
Weight	1.3 lbs
Connector	Type F-female (with supplied Type F bullet adapter)