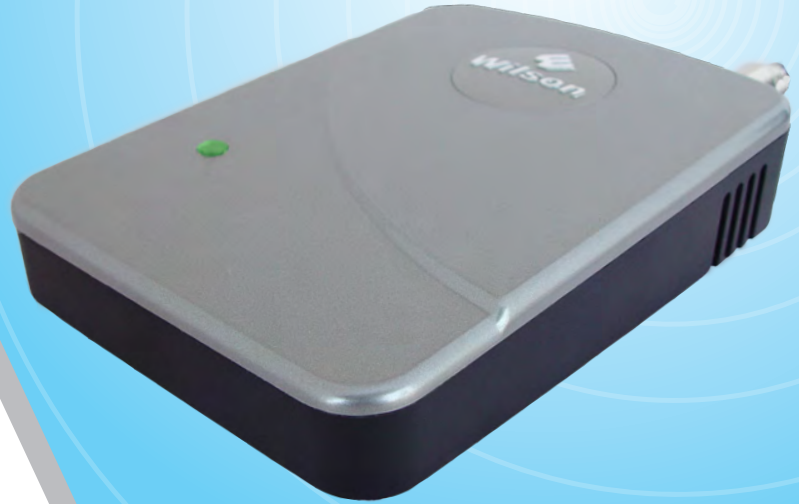


SIGNALBOOST
DT™
DESKTOP



SIGNALBOOST DT™
Dual-Band
Cellular/PCS
Amplifier System
Installation Guide



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Installation Instructions for the Following Wilson Signal booster:

SignalBoost DT Dual-Band Cellular/PCS Amplifier

Model # 271247-50, 271247-75

FCC ID: PWO271247ASB IC: 4726A-271247ASB

The term "IC" before the radio certification number only signifies that Industry Canada technical specifications were met.

Welcome to the Wilson Electronics Family of Products!

Thank you for purchasing the Wilson Electronics SignalBoost DT system. You are just minutes away from enjoying improved performance from your cellular phone and/or laptop data card. When installed properly, the SignalBoost DT will significantly reduce dropped calls and improve both voice and data signal quality. By taking a few minutes to read and follow the simple instructions in this guide, you will get the most out of your new SignalBoost DT system. If you have questions during or after installation, please don't hesitate to contact a member of our Technical Support team by phone (866-294-1660 or 435-673-5021) or email (tech@wilsonelectronics.com). We're here to help!

Before Getting Started

This guide will help you properly install Wilson Electronics SignalBoost DT. **It is recommended that you read through all of the installation steps and familiarize yourself with the product.** Read the instructions and visualize where you want to place the components before mounting any equipment. If you do not understand the instructions in full, please contact Wilson Electronics Technical Support at 866-294-1660 or 435-673-5021.

Inside this Package:

Accessories packaged may not exactly match the below photos due to upgrades



SignalBoost DT



Desktop
Antenna



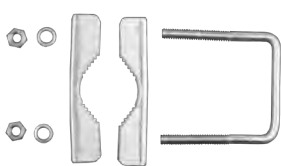
Antenna and Cradle
(located outside on pole, wall, or
inside on a rafter or window)



Coaxial Cables
(20 and 30 feet)



Cable
Connector



Pole-Mount
(Packet A)



Wall-Mount
(Packet B)



Window-Mount
(Packet C)



AC Power
Supply

Tools Required for Installation:

Depending on your particular installation, you will need the following tools:

- Wall-mount or Rafter-mount - Drill and 3/16-inch bit, Phillips-head screwdriver
- Pole-mount - 1/4-inch open-end wrench or adjustable wrench
- Window mount - exacto knife

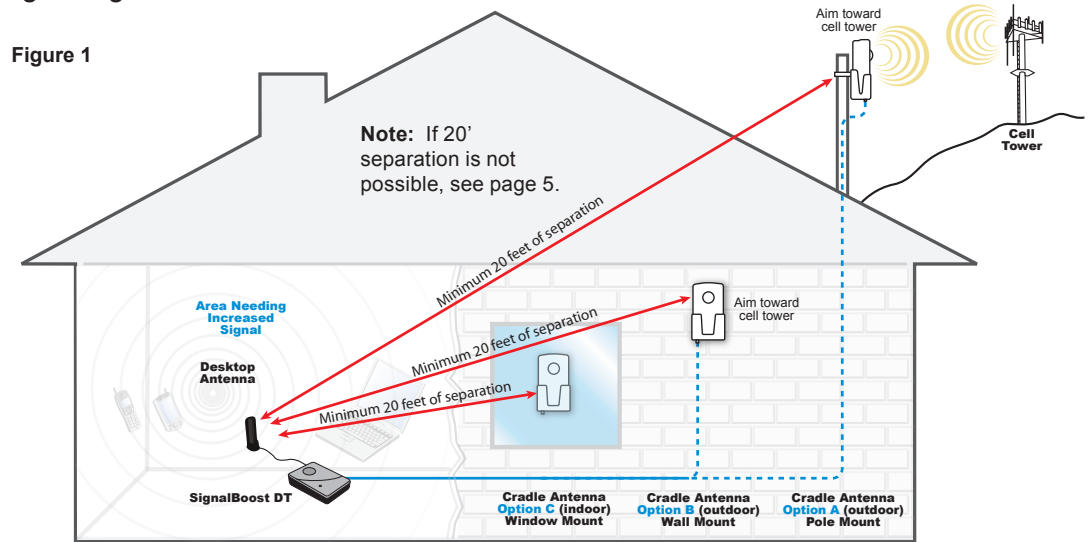
1

For Technical Support, call 866-294-1660 or 435-673-5021.

How it Works

Your Wilson Electronics SignalBoost DT works by picking up a cellular signal from an antenna mounted on a pole or wall outside your building facing the cell tower. The signal booster then increases the signal and transmits it to the desktop antenna. The desktop antenna then transmits the boosted signal to your cell phone or laptop data card. There are several ways to mount the antenna, but for the best results mount the antenna on a pole outside your building facing a cell tower.

Warning: Make sure the position of the Desktop Antenna observes the minimum required separation distance from the outside cradle antenna. The Desktop Antenna must be positioned at least 20 horizontal feet OR 15 vertical feet from the outside cradle antenna.



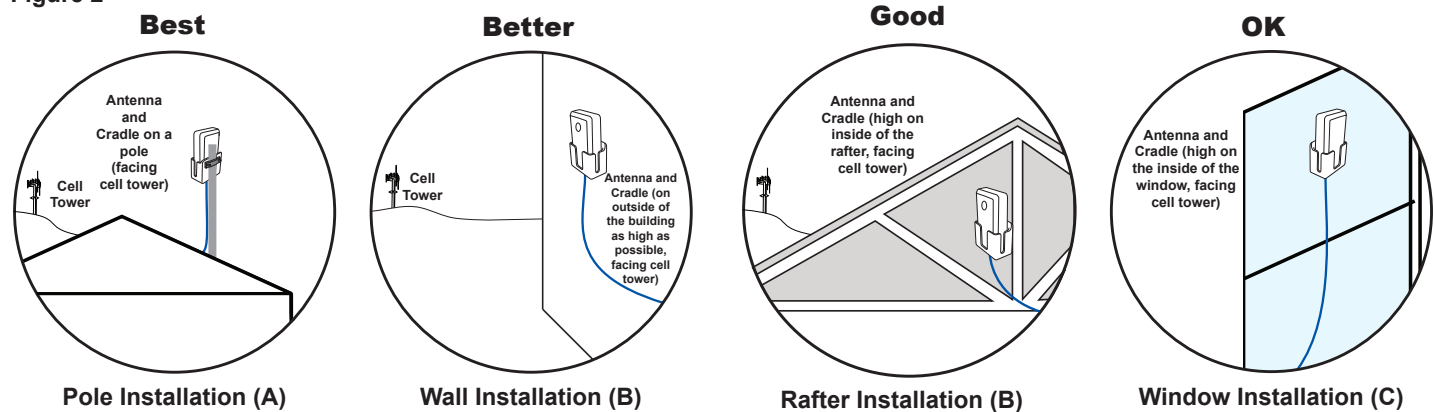
Reasons for Weak Cellular Signals

Anyone who uses a cell phone or cellular data card knows the frustration of not being able to connect to or maintain a strong cellular signal. When this occurs, it's generally due to one of two reasons:

1. Location of the Nearest Cell Tower – Cell towers are situated to provide broad coverage; however, there are many areas in which signal strength may be reduced by topographic features or by local government restrictions on the height or placement of the towers themselves. Rural areas generally have fewer cell towers than urban regions.
2. Natural and Man-made Obstructions – Signal strength can also be negatively affected by trees, hills, buildings and other obstructions. You may be relatively close to a cell tower but still unable to make a call.

This often occurs in homes, offices and other buildings in which stucco, concrete or metal block the signal. The outside cradle antenna receives the outside signal and sends it through the coax cable to the SignalBoost DT, where it is amplified and retransmitted more strongly through the desktop antenna into the room. When the desktop antenna picks up a signal from your cell phone or data card, the signal booster also amplifies that signal and transmits it through the cable to the outside cradle antenna and back to the cell tower. (Note: the SignalBoost DT will only operate if there is adequate outside signal to amplify.)

Figure 2



Note: Most glass windows have a metal film that reduces signal strength up to 20dB

For Technical Support, call 866-294-1660 or 435-673-5021.

First Step: Find the Strongest Signal

Before you install your SignalBoost DT, it is very important that you determine the location of the **best available cellular signal**. This will affect where you place the outside cradle antenna and will help you get the best performance from your system.

You will find the strongest signal outside your house or building, preferably at the highest place available. Your cell phone can help you find the strongest outside signal, using any or all of the following methods:

1. Place calls from several locations outside your building and note where you get the best reception.
2. Check the bar indicator on your cell phone display and note where the signal appears to be the strongest. Note: cell phone bars are only an approximation of signal strength and vary from phone to phone. They can take up to 30 seconds to reset to a new reading. Be patient and repeat your signal check several times.
3. Some cell phones have test modes for reading accurate signal strength. Using the test mode on your cell phone, move around the outside of your building and determine the location of the strongest signal. (For assistance with the test mode on your particular phone, visit the Technical Support section of our website: www.wilsonelectronics.com or call our Technical Support Department at 866-294-1660 or 435-673-5021).
4. When installing your booster's directional outside antenna, aiming it towards the best signal source from your service provider is important. The best mode of getting the best signal is to rotate the antenna till it's dialed in. Start by pointing the outside cradle antenna towards where you think the signal should be coming from while someone inside near signal booster monitors the signal strength on a phone. Then turn the outside cradle antenna about 45 degrees at a time. It is preferable to have the phone in the test mode so actual signal strength can be read - as bars are not the most accurate. If you need help putting your phone in the test mode, contact our tech support or refer to www.wilsonelectronics.com. Always make sure the person below gives the signal time to arrive and register on the phone. (Approximately between 10-15 seconds for phone to reset to the new signal reading).

Once you have determined where the outside signal is strongest, you should plan to install the outside cradle antenna in that general area, with the antenna facing towards the cell tower. (See the following section for alternative installation options).

Installation Options - Outside Cradle Antenna

The outside cradle antenna is directional – it receives and transmits best in one direction. The round Wilson Electronics insignia indicates the side of the antenna that should face toward the cell tower when the unit is placed in the cradle. **Note: the weaker the signal is at the outside cradle antenna, the shorter the distance the desktop antenna will transmit; therefore, signal strength at the outside cradle antenna is extremely important.** The SignalBoost DT comes with all necessary parts for installation of the outside cradle antenna in four alternative locations (see Figure 2):

- Outside on a pole (bracket, nuts and washers)
- Outside on a wall (screws, washers and anchors)
- In the attic on a rafter (screws, washers and anchors)
- Inside on a window (suction cups, double side adhesive tape)



Warning: RF Safety: FCC regulations require that any antenna (inside or outside) used with this signal booster may not have gain that exceeds 14 dBi. All Wilson antennas meet this requirement. Inside antennas must have at least 8 inches of separation from all persons. Outside antennas must be farther than 39 inches from all persons.

The best choice is to place the outside cradle antenna outside on the roof, mounted to a pole, facing toward the cell tower (see page 3), where you can make calls or you have several bars on your phone. The next best location is on the outside walls of your house or building. Then followed by mounting the outside antenna to your rafters

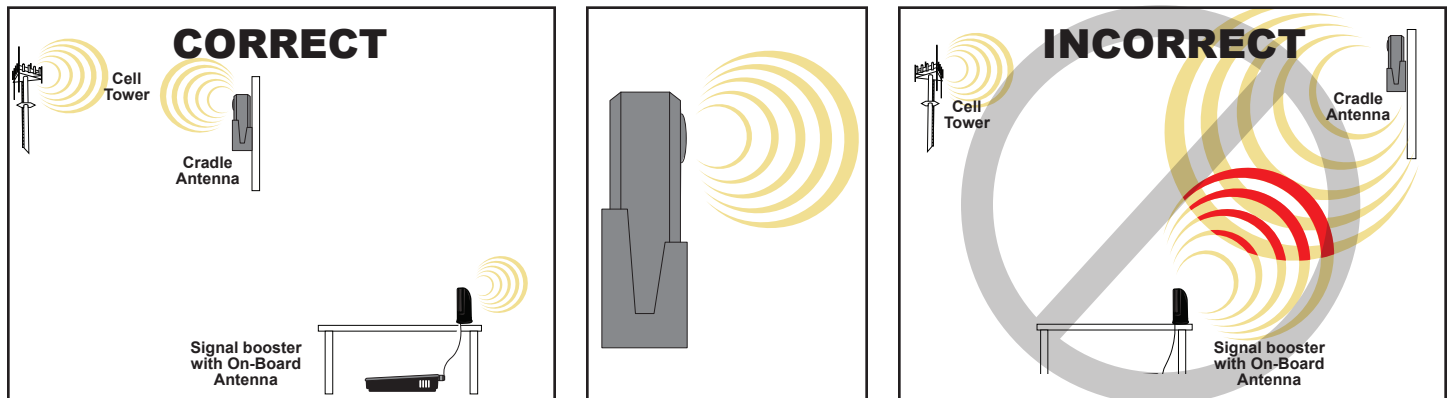
(if roof is not metal).The least recommended location is by mounting the outside antenna in a window.

Note: Install the antenna as high as possible on the roof, wall, rafter or window for the strongest signal.

Antenna Placement

The location of the SignalBoost DT with the desktop antenna in relation to the outside cradle antenna is very important. Once you find a good signal location for the outside cradle antenna, the signal booster and desktop antenna need to be located *behind it* to reduce the possibility of oscillation feedback (indicated by a red indicator light on the signal booster). In other words, the front of the outside cradle antenna (indicated by the Wilson Electronics insignia) needs to face in the direction of the cell tower and not in the direction of the signal booster and the desktop antenna (see Figure 3).

Figure 3



Position the desktop antenna with the logo on the antenna facing away from both the signal booster and outside cradle antenna. (see Page 5).

The Wilson insignia on the outside cradle antenna should face **toward** the cell tower and **away from** the desktop antenna.

Never point the outside cradle antenna across the building toward the desktop antenna. Do not let the outside cradle antenna and the desktop antenna (logo side) transmit toward each other.

In addition, it is important that the desktop antenna be positioned so that the logo is not pointed towards the signal booster or the outside cradle antenna, as shown below. The desktop antenna is recommended to be 18 inches or more away from the signal booster.

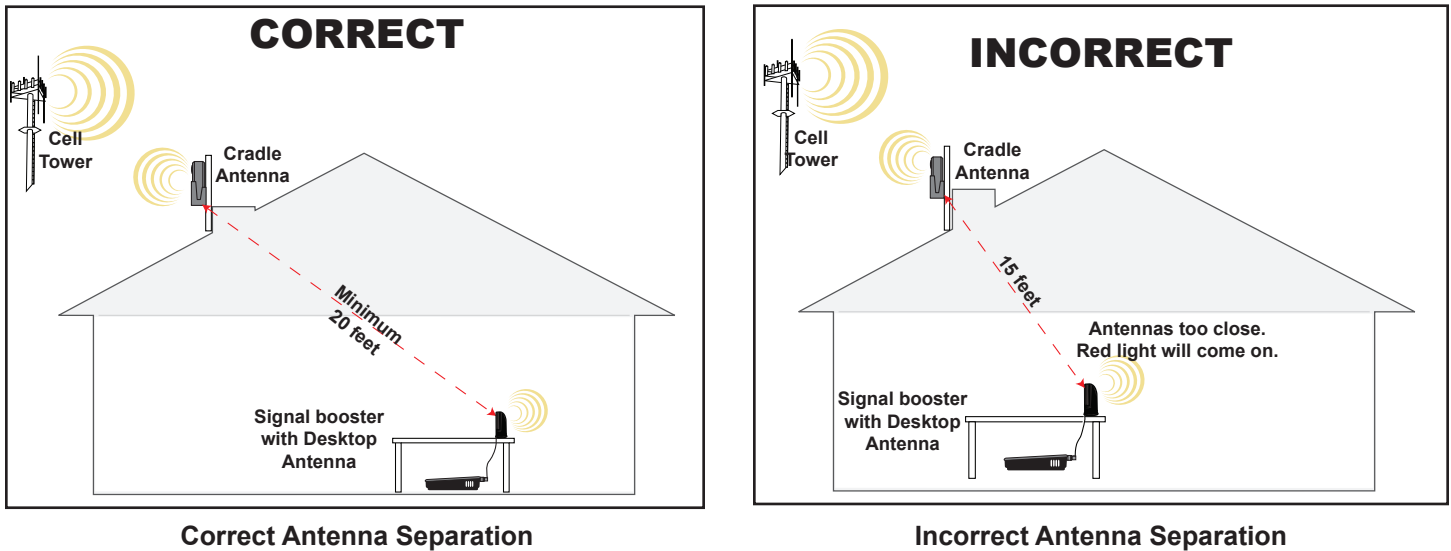


Antenna Separation

The distance between the outside cradle antenna and the signal booster with the desktop antenna is extremely important! If they are too close together, they will oscillate, causing the system to shut down, as indicated by a red light on the signal booster. The following three rules should be applied to make your Wilson Electronics DT perform correctly:

1- Make sure the Desktop Antenna is facing AWAY FROM the outside cradle antenna. Ideally the Desktop Antenna should be pointed 180 degrees from the position of the outside cradle antenna. **2-** Make sure the position of the Desktop Antenna observes the minimum required separation distance from the outside cradle antenna. The Desktop Antenna must be positioned at least **20 horizontal feet OR 15 vertical feet** from the outside cradle antenna. **3-** If your installation maintains at least 15 vertical feet of separation distance but the red light remains illuminated, then relocate the Desktop Antenna more directly beneath the position of the outside cradle antenna, inside the imaginary Nul Zone of Signal (see page 8). Make sure the relocated Desktop Antenna maintains the 15-vertical-foot minimum required separation distance.

Figure 4



Even at 20 feet, the signal booster may shut down, as indicated by the red light. By moving the desktop antenna further away from the signal booster, you may be able to change the red light to a green light, indicating that the system is operating properly (see Figure 5).

Figure 5



If you are unable to maintain the 20-foot minimum separation between antennas, it may be possible to achieve normal operation (a green light) at less than 20 feet by moving the desktop antenna to a different position, as noted above, and rotating the desktop antenna in relation to the outside cradle antenna (see Figure 6). Do not position the desktop antenna towards the signal booster unit or the outside cradle antenna.

Figure 6



If you are not able to change the red light to green in this manner, more separation is needed between the outside cradle antenna and the desktop antenna.

Installing the Outside Cradle Antenna

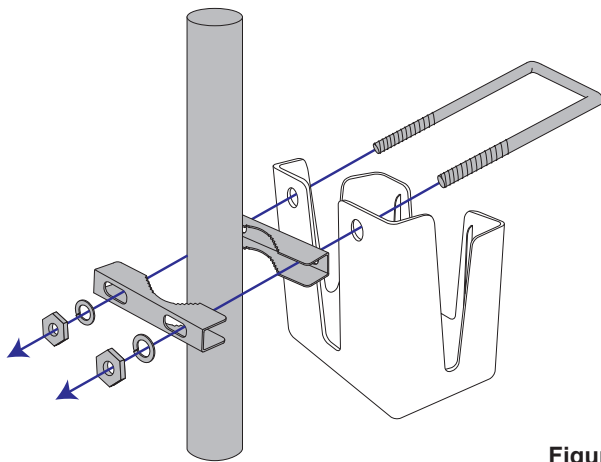
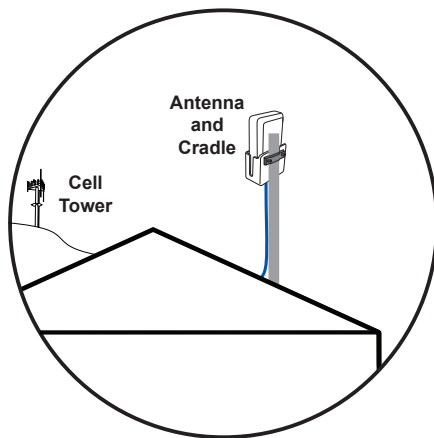


Figure 7



Coax Cable



Cable Connector

Outside Pole Mount (Packet A)

1. The supplied pole-mount bracket is designed to accommodate a pole diameter of 1 to 2 inches. Install the pole in the desired location using your own hardware.

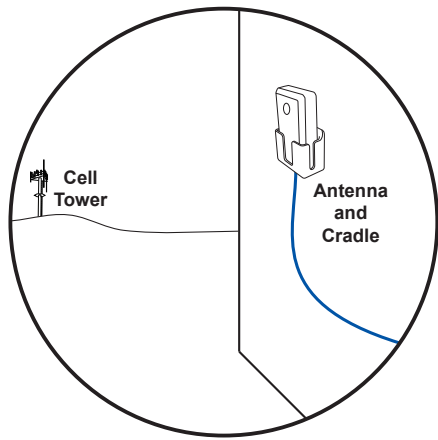


Warning: Take care to ensure that neither you nor the pole comes near any power lines during installation.



Warning: RF Safety: FCC regulations require that any antenna (inside or outside) used with this signal booster may not have gain that exceeds 14 dBi. All Wilson antennas meet this requirement. Inside antennas must have at least 8 inches of separation from all persons. Outside antennas must be farther than 39 inches from all persons.

2. Insert the supplied U-bolt through the holes in the cradle and slide one half of the bracket assembly onto the U-bolt (see Figure 7).
3. Fitting the assembly onto the pole, slide the second half of the bracket onto the U-bolt and secure it with lock washers and nuts. Be sure the cradle is at the desired height on the pole and is rotated toward the nearest cell tower before tightening the nuts. (Do not over-tighten the nuts.)
4. Insert the antenna into the cradle **with the Wilson Electronics insignia facing in the direction of the cell tower**. The cable connection should protrude through the bottom of the cradle.
5. Connect the supplied coax cable to the antenna. Route the cable as desired to where the signal booster will be located. Depending on the distance between the signal booster and antenna, you may need one or both lengths of the supplied cable. If you use both, connect them together with the supplied cable connector.



Outside Wall Mount (Packet B)

1. Select a location on an outside wall as high as possible and at least 20 feet away from where the signal booster will be located (see Figure 8).



Warning: RF Safety: FCC regulations require that any antenna (inside or outside) used with this signal booster may not have gain that exceeds 14 dBi. All Wilson Electronics antennas meet this requirement. Inside antennas must have at least 8 inches of separation from all persons. Outside antennas must be farther than 39 inches from all persons.

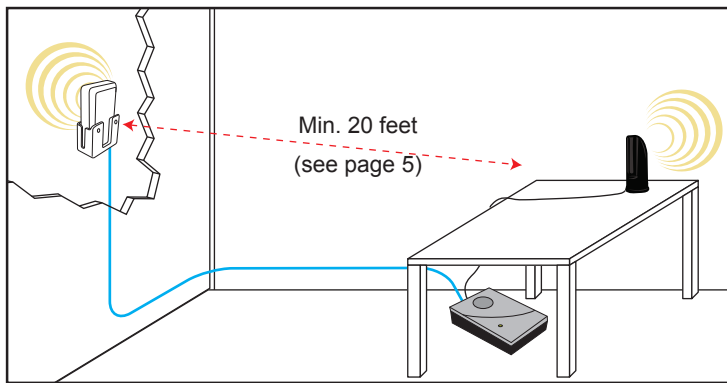


Figure 8

2. Using the cradle as a template, position it on the wall in the desired location and mark the screw holes with a pencil.
3. Drill two holes where marked, using a 3/16-inch bit and insert the screw anchors.
4. Line up the holes in the cradle with the screw anchors and mount the cradle to the wall using two screws and two washers (see Figure 9). Tighten the screws with a Phillips-head screwdriver.
5. Insert the antenna into the cradle **with the Wilson Electronics insignia facing in the direction of the cell tower**. The cable connection should protrude through the bottom of the cradle.
6. Connect the supplied coax cable to the antenna. Route the cable as desired to where the signal booster will be located. Depending on the distance between the signal booster and antenna, you may need one or both lengths of the supplied cable. If you use both, connect them together with the supplied cable connector.

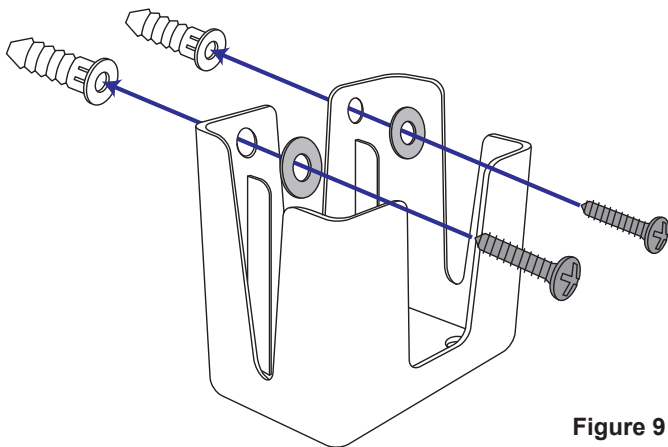


Figure 9



Coax Cable



Cable Connector

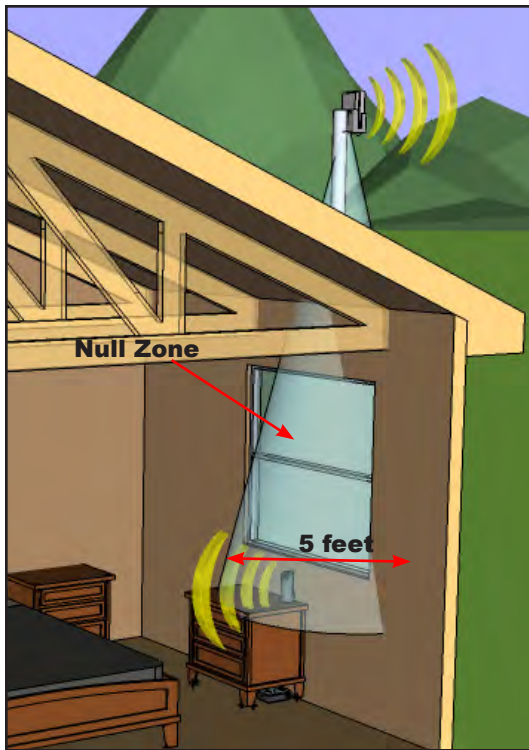


Figure 8-1

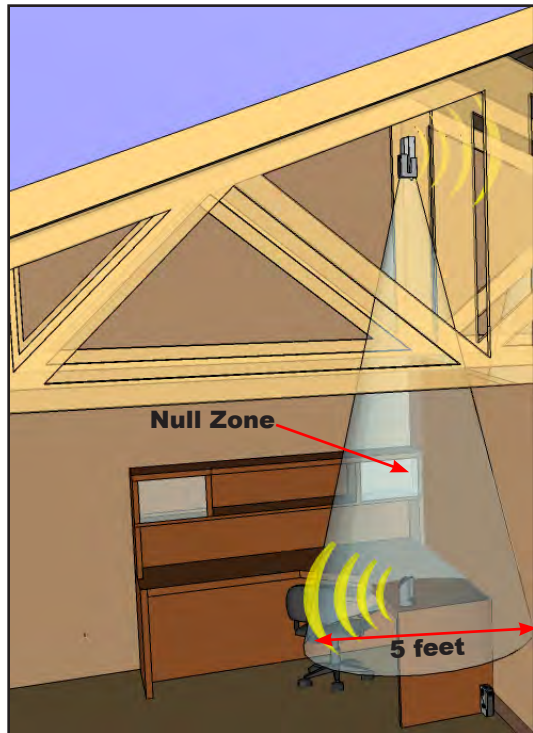


Figure 8-2

Vertical Separation Installation (Pole Mount or Rafter Mount)

Pole Mounting Option

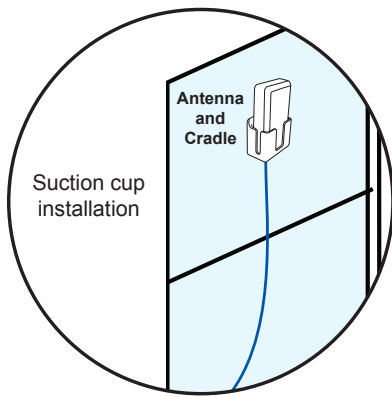
Select a location on the roof where the outside cradle antenna can be mounted on a pole directly above the desktop antenna with at least 15 feet vertical separation (see Figure 8-1).

The outside cradle antenna may also be mounted in the buildings rafters, if the 15 feet of vertical separation between the outside cradle antenna and the desktop antenna can be achieved (see Figure 8-2).

Please see instructions for Outside Pole Mount located on page 6.

Rafter Mounting Option

1. Using the cradle as a template, position it on the rafter in the desired location and mark the screw holes with a pencil.
2. Drill two holes where marked, using a 3/16-inch bit and insert the screw anchors.
3. Line up the holes in the cradle with the screw anchors and mount the cradle to the wall using two screws and two washers (see Figure 9). Tighten the screws with a Phillips-head screwdriver.
4. Insert the antenna into the cradle **with the Wilson insignia facing in the direction of the cell tower**. The cable connection should protrude through the bottom of the cradle.
5. Connect the supplied coax cable to the antenna. Route the cable as desired to where the signal booster will be located. Depending on the distance between the signal booster and antenna, you may need one or both lengths of the supplied cable. If you use both, connect them together with the supplied cable connector.



Note: Most glass windows have a metal film that reduces signal strength up to 20dB.

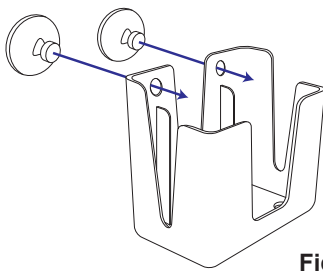


Figure 11

Note: Window mounting the antenna will degrade the performance of your system due to the metal oxide film applied to most windows

Inside Window Mount (Packet C)

1. Select a location on the inside of the window as high as possible and at least 20 feet from where the signal booster will be located (see Figure 10).
2. Clean the area on the glass with the supplied alcohol prep pad.
- 3a. If you plan to remove or relocate the outside cradle antenna at some point, use the suction cups provided in Packet A. Using a twisting motion, press the suction cups into the two holes on the antenna cradle (see Figure 11), then press the cradle onto the glass at the desired location.
- 3b. For a more permanent installation, use the double-sided adhesive strip. Cut the strip as shown in Figure 12. Peel the backing from one side of the strip and place it on the back of the cradle (see Figure 13). Peel the backing from the other side of the strip and press the cradle onto the glass at the desired location.
4. Insert the antenna into the cradle **with the Wilson insignia facing in the direction of the cell tower**. The cable connection should protrude through the bottom of the cradle.
5. Connect the supplied coax cable to the antenna and route the cable as desired to where the signal booster will be located. Depending on the distance between the signal booster and antenna, you may need one or both lengths of the supplied cable. If you use both, connect them together with the supplied cable connector.

Adhesive installation

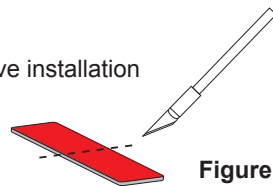


Figure 12

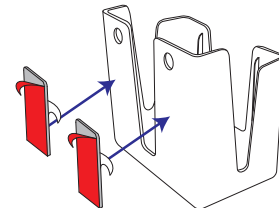


Figure 13

Installing the Signal Booster Unit

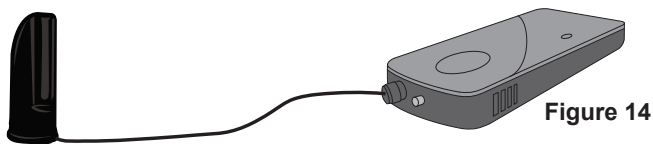


Figure 14

Desk or Table Mount

1. Attach the desktop antenna cable by screwing it onto the threaded connector on the signal booster (see Figure 14).
2. Place the signal booster on a desk, table or similar surface where you have routed the coax cable.
3. Attach the cable to the connector on the signal booster.

Powering Up the Signal Booster


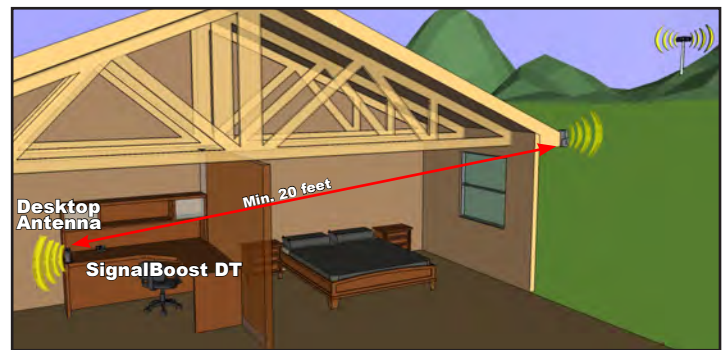





1. Ensure that the distance between the desktop antenna and the outside cradle antenna is a minimum of 20 feet (see Figure 17). If you are using a different antenna configuration, see the separation guidelines for your specific antenna or call Wilson Electronics Technical Support department at 866-294-1660 or 435-673-5021.
2.  **Warning:** Verify that the desktop antenna is attached and that the cable from the outside cradle antenna is connected before powering up the signal booster.

Figure 17



3. Plug the power supply into the signal booster input marked “Power” (carefully, to avoid damaging the center pin) and then into a wall outlet.  **Warning:** Use only the power supply provided in this package. Use of a non-Wilson Electronics product may damage your equipment.
4. Make sure the position of the Desktop Antenna observes the minimum required separation distance from the Outside cradle antenna. The Desktop Antenna must be positioned at least **20 horizontal feet OR 15 vertical feet** from the outside cradle antenna.
5. If you find you still have a weak signal after powering up the signal booster, please refer to page 3 for additional help. **Note: the weaker the signal is at the cradle antenna, the shorter the distance the desktop antenna will transmit; therefore, signal strength at the cradle antenna is extremely important.**








Understanding the Indicator Light

- GREEN:**  The indicator light on the top of the signal booster will be **GREEN** when the unit is powered up and working properly.
- ORANGE:**  A solid **ORANGE** light indicates the signal booster has cut back it's gain by either 4 dB or 8 dB to prevent oscillation feedback. IF this cutback is unacceptable, more antenna separation will result in a green light.
- RED:**  A blinking **RED** light indicates the receiving or downlink signal on either the 800 or 1900 band or both is overloaded and the signal booster has shutdown either that particular downlink signal or both. Contact Tech Support for help: 1-866-294-1660.
- RED:**  A **RED** light indicates signal booster shut-down to prevent oscillation feedback to protect cell towers as a result of oscillation feedback. When this occurs, greater separation distance is required between the two antennas (see page 5). Also, it is very important to ensure that the front of the outside cradle antenna (the side with the Wilson insignia) is facing away from the signal booster and the desktop antenna. If you see the red light come on, followed by a green light and then back to red, the signal booster is in the process of shutting down. It will attempt to reset itself every five seconds; however, if proper separation is not achieved between the signal booster and the outside cradle antenna, the light will change to a constant red after four tries. If that occurs, increase the separation distance between the two units, then unplug and re-plug the power supply cable to manually reset the signal booster.

To reset the signal booster, unplug and re-plug the power supply.

Note: Oscillation can occur when the roof (or outside) mounted antenna is too close to the antenna inside the house. An oscillation (or feedback) in a signal booster is similar to when a microphone is too close to a speaker in a sound system, resulting in a loud whistle. An oscillation in the signal booster, if allowed to occur, can affect nearby cell towers ability to handle calls.

Warnings and Recommendations

-  **Warning:** **RF Safety:** FCC regulations require that any antenna (inside or outside) used with this signal booster may not have gain that exceeds 14 dBi. All Wilson Electronics antennas meet this requirement. Inside antennas must have at least 8 inches of separation from all persons. Outside antennas must be farther than 39 inches from all persons.
-  **Warning:** If the cable is shortened, or if a different type of cable is used, or if a different antenna is used, consult with Wilson Electronics Technical Support to verify that the planned installation is safe. Call 866-294-1660 or 435-673-5021, or email tech@wilsonelectronics.com.
-  **Warning:** Connecting the signal booster directly to the cell phone with use of an adapter will damage the cell phone.
-  **Warning:** Attach the desktop antenna and connect the outside cradle antenna before powering up the signal booster.
-  **Warning:** Use only the power supply provided in this package. Use of a non-Wilson Electronics product may damage your equipment.
-  **Warning:** Always operate cell phone at least three feet from the desktop antenna.
-  **Warning:** The signal booster unit is designed for use in an indoor, temperature-controlled environment (less than 100 degrees Fahrenheit). It is not intended for use in attics or similar locations subject to temperatures in excess of that range.

Frequently Asked Questions

What kind of improvement in cell phone performance can I expect with the SignalBoost DT?

The SignalBoost DT's performance will depend somewhat on the strength of the cellular signal outside your home or building. However, if you install the SignalBoost DT in accordance with the instructions in this guide, you can expect a significant improvement in your ability to use your cell phone or cellular data card indoors.

Where should I install my SignalBoost DT to get the best coverage?

You should install the signal booster and DT Antenna in the area where you most need an improved signal. The farther you are from the signal booster, the less improvement you will experience. It is also important to install the outside cradle antenna in a location where you have the strongest outside signal (see page 4). Also keep in mind the distance between the signal booster and the outside cradle antenna. You'll need at least 20 feet of separation to prevent the start of oscillation feedback, but you'll probably want to stay within the 50-foot length of the coax cable. (Additional cable and the necessary connectors are available from your Wilson Electronics dealer, but using more cable will result in some signal loss.)

I have a Nextel phone – will the SignalBoost DT boost that signal?

The SignalBoost DT is designed to work with both the Cellular (800 MHz) and PCS (1900 MHz) bands, but not the iDEN/Nextel frequency. Wilson Electronics offers specific signal boosters for iDEN/Nextel users. Visit www.wilsonelectronics.com for details.

Can I use my own cable for my installation?

Yes! The commonly available low-loss RG6 cable included with your product has been specifically selected for the SignalBoost DT. RG6 is a commonly available cable, you can buy it from Wilson Electronics, or from your local electronics store. Please note the longer the cable, the lower the performance of the product. Use of another type or longer length of cable will likely degrade the system's performance.

There are frequently several people using cell phones in my office at the same time – will the SignalBoost DT improve the signal for all of them?

Absolutely! The SignalBoost DT is designed to support multiple users simultaneously (within the range of the desktop antenna).

Can I use different antennas than the ones supplied in the box?

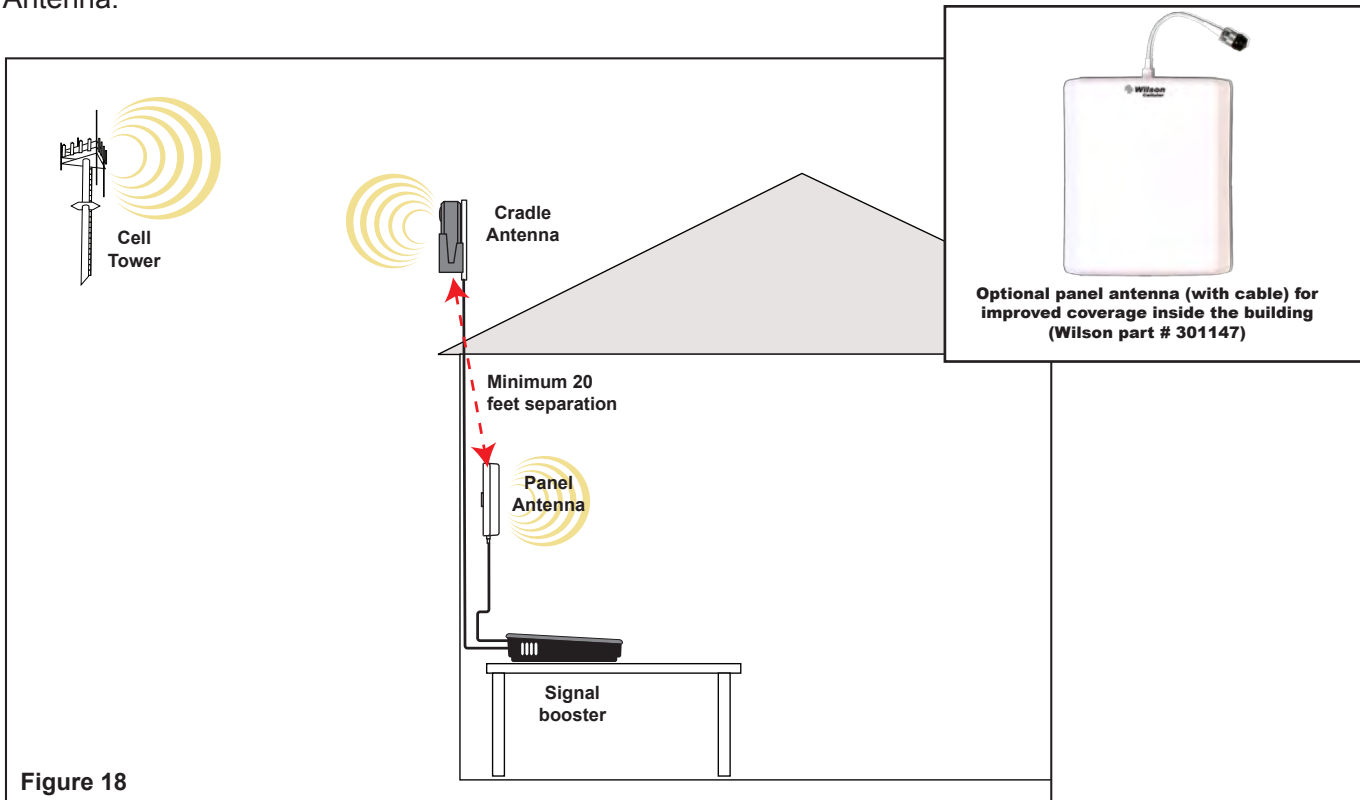
Yes! While the SignalBoost DT is designed to give you reliable signal improvement with the included antennas, Wilson Electronics offers a variety of optional antennas and accessories that enable you to customize your SignalBoost DT to your specific needs. Visit www.wilsonelectronics.com for details.

I have installed the system but i don't have the coverage I need — what can I do?

See the section below.

For Weak Areas with Insufficient Signal

In areas with particularly weak outside signals, additional coverage can be obtained by upgrading inside antenna and replacing it with a high-gain inside panel antenna (Wilson part #301147). This antenna (which includes cable) can double the inside coverage area. (See Figure 18.) Additional coverage can be obtained by upgrading to the outside antenna option to #301157 Outdoor panel or #304475 Wide Band Directional Antenna.



I have questions about my installation – where can I get some help?

Wilson's Technical Support representatives are just a phone call or email away. Call 866-294-1660 or 435-673-5021, or send an email to tech@wilsonelectronics.com.

Signal Booster Specifications

		Dual-Band Wireless 800/1900 MHz Specifications	
Model Number		271247-50	271247-75
Outside antenna connectors		F Female	F Female
Outside antenna impedance		75 ohms	75 ohms
Inside antenna connectors		TNC Female	F Female
Inside antenna impedance		50 ohms	75 ohms
Dimensions		6.2 x 4.2 x 1.5 inch (15.7 x 10.7 x 3.8 cm)	
Weight		0.64 lbs (0.29 kg)	
Frequency		824-894 MHz / 1850-1990 MHz	
¹Passband Gain (nominal)			
	800 MHz	60 dB Typical, 65 dB Maximum	
	1900 MHz	60 dB Typical, 65 dB Maximum	
²20 dB Bandwidth (nominal)			
		Uplink	Downlink
	800 MHz	44 MHz	48 MHz
	1900 MHz	95 MHz	91 MHz
Power output			
		800 MHz	1900 MHz
	Power output for single cell phone (uplink)	33.2 dBm	34.0 dBm
	Power output for single received channel (downlink)	15.7 dBm	10.7 dBm
⁴Power output for multiple transmitted channels (uplink)			
		Maximum Power	
The maximum power is reduced by the number of channels:	Number of channels	800 MHz	1900 MHz
	2	23 dBm	21.3 dBm
	3	19.5 dBm	17.8 dBm
	4	17.0 dBm	15.3 dBm
	5	15.1 dBm	13.3 dBm
	6	13.5 dBm	11.8 dBm
⁴Power output for multiple received channels (downlink)			
		Maximum Power	
The maximum power is reduced by the number of channels:	Number of channels	800 MHz	1900 MHz
	2	6.2 dBm	5.2 dBm
	3	2.7 dBm	1.6 dBm
	4	0.2 dBm	-0.9 dBm
	5	-1.7 dBm	-2.8 dBm
	6	-3.3 dBm	-4.4 dBm
Noise Figure (typical)		3.5 dB nominal	
Isolation (uplink/downlink)		> 90 dB	
Power Requirements		110-240 V AC, 50-60 Hz, 8 W	

Notes:

1. Nominal gain is the maximum gain at any frequency in the passband.
2. Nominal bandwidth is the difference between two frequencies that are adjacent to the passband where the amplification is 20 dB lower than the passband amplification. One of the frequencies is lower than the passband and the other is higher.
3. The Manufacturer's rated output power of this equipment is for single carrier operation. For situations when multiple carrier signals are present, the rating would have to be reduced by 3.5 dB, especially where the output signal is re-radiated and can cause interference to adjacent band users. This power reduction is to be by means of input power or gain reduction and not by an attenuator at the output of the device.
4. The maximum power for 2 or more simultaneous signals will be reduced by 6 dB every time the number of signals is doubled.

30-Day Money-Back Guarantee

All Wilson Electronics products are protected by Wilson Electronics 30-day money-back guarantee. If for any reason the performance of any product is not acceptable, simply return the product directly to the reseller with a dated proof of purchase.

1-Year Warranty

Wilson Electronics signal boosters are warranted for one (1) year against defects in workmanship and/or materials. Warranty cases may be resolved by returning the product directly to the reseller with a dated proof of purchase.

Signal boosters may also be returned directly to the manufacturer at the consumer's expense, with a dated proof of purchase and a Returned Material Authorization (RMA) number supplied by Wilson Electronics. Wilson Electronics shall, at its option, either repair or replace the product. Wilson Electronics will pay for delivery of the repaired or replaced product back to the original consumer if located within the continental U.S.

This warranty does not apply to any signal boosters determined by Wilson Electronics to have been subjected to misuse, abuse, neglect, or mishandling that alters or damages physical or electronic properties.

RMA numbers may be obtained by phoning Technical Support at 866-294-1660.

Operation is subject to the following two conditions: (1) This device may not cause interference and (2) this device must accept any interference, including interference that may cause undesired operation of this device.

Disclaimer: The information provided by Wilson Electronics, Inc. is believed to be complete and accurate. However, no responsibility is assumed by Wilson Electronics, Inc. for any business or personal losses arising from its use, or for any infringements of patents or other rights of third parties that may result from its use.

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About Wilson Electronics

Wilson Electronics, Inc., a leader in the wireless communications industry for over 40 years, designs and manufactures Signal boosters, antennas and related components that significantly improve cellular telephone signal reception and transmission in a variety of mobile, small building and large building applications.

With extensive experience in antenna and signal booster research and design, the company's engineering team uses a state-of-the-art testing laboratory, including an anechoic chamber and network analyzers, to fine-tune antenna designs and performance. For its signal boosters, Wilson uses a double electrically insulated RF enclosure and cell tower simulators for compliance testing.

Wilson signal boosters feature patent-pending Smart Technology™ that enables them to automatically adjust their power based on cell tower requirements. By detecting and preventing oscillation feedback, signal overload and interference with other users, these Smart Technology™ signal boosters improve network cell phone areas without compromising carrier systems.

All products are engineered and assembled in the company's 55,000-square-foot headquarters in St. George, Utah. Wilson has product dealers in all 50 states and in countries around the world.



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