



zBoost YX741 User Manual



30 day money back guarantee when purchased directly from zBoost®. If product is purchased from a reseller or third party, you are subject to the policies of the third party.

1 Year Manufacturer Warranty. Register your zBoost product at www.zBoost.com

FCC Information

FCC ID: SO4YX741-PCS-CEL

WARNING. This is **NOT a CONSUMER** device. It is designed for installation by **FCC LICENSEES** and **QUALIFIED INSTALLERS**. You **MUST** have an **FCC LICENSE** or express consent of an FCC Licensee to operate this device. Unauthorized use may result in significant forfeiture penalties, including penalties in excess of \$100,000 for each continuing violation.

Warning: Changes or modifications to this device not expressly approved by zBoost could void the user's authority to operate the equipment.

You **MUST** operate this device with approved antennas and cables as specified by the manufacturer. Antennas **MUST** be installed at least 20 cm (8 inches) from any person.

Industry Canada Regulations

IC ID: 5544A-YX741PCSCEL

This Class B digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

RF Exposure: 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 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.

Cet appareillage numérique de la classe [B] répond à toutes les exigences de l'interférence canadienne causant des règlements d'équipement. L'opération est sujette aux deux conditions suivantes: (1) ce dispositif peut ne pas causer l'interférence nocive, et (2) ce dispositif doit accepter n'importe quelle interférence reçue, y compris l'interférence qui peut causer l'opération peu désirée.

Le fabricant nominale de la puissance de sortie de ce matériel est simple transporteur. Pour les situations lorsque plusieurs signaux porteurs sont présents, l'évaluation devrait être réduite de 3.5 dB, en particulier lorsque le signal de sortie est ré-émise et peut provoquer des interférences adjacentes à la bande utilisateurs. Ce pouvoir est de la réduction par le biais de la sortie d'alimentation ou la réduction de gain et non par un atténuateur à la sortie du dispositif.

Please note: This unit has been approved for use in Canada under RSS 131, however, consent for the use of this device to improve cellular or PCS coverage, must be obtained through your cellular or PCS provider, prior to placing the unit in operation. Please refer to the Industry Canada document CPC 2-1-05, Section 6.1 available or viewable at:

<http://www.ic.gc.ca/epic/site/smt-gst.nsf/en/sf08942e.html>

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Trademarks

Wireless Extenders, Wi-Ex, the Wi-Ex logo, zBoost, the zBoost logo and Extending Cell Zones are registered

Safety and Product Warranty Information

trademarks of zBoost.

Safety Guidelines

In accordance with FCC requirements of human exposure to radiofrequency fields, the radiating element (antenna) shall be positioned such that a minimum separation distance of 8 inches (20cm) is maintained between the radiating element and the user and/or general population.

Limited Liability

In no event shall zBoost be liable for any direct, indirect, special, punitive, incidental, exemplary or consequential damages, or any damages, whether in an action under contract, negligence, or any other theory, arising out of or in connection with the set up of, use of, inability to use, or performance of the information, services, products, and materials available from this manual. These limitations shall apply notwithstanding any failure of essential purpose of any limited remedy. Because some jurisdictions do not allow limitations on how long an implied warranty last, or the exclusion or limitation of liability for consequential or incidental damages, the above limitations may not apply to you.

For full warranty guidelines, see page 14.



Note

Changes or modifications not expressly approved by zBoost could void the user's authority to operate this equipment and/or void the product warranty.

Package Contents: zBoost YX741

Before you begin, make sure all of the following parts came with your zBoost YX741.

Item	Quantity	Part #	Description
1	1	DMAN-0042	YX741 Manual
2	1	APCA-0031	YX741 Base Unit
3	1	CPSP-0010	Base Unit Power Supply, Black

Optional zBoost Accessories

The following accessories are authorized for this zBoost product. Please see our website for complete selection.

To order, call 1-800-871-1612 or visit, www.zboost.com

Part #	Description
Popular Accessories for the YX741	
YX052	Omni-directional internal ceiling mount antenna
YX027-F	Directional internal wall mount
Other Accessories:	
YX015	Signal Combiner
YX014	Outdoor J-pole Antenna Mounting Bracket
YX021-CEL	External CEL panel antenna
YX023-PCS	External PCS panel antenna
CANT-0042	External wide-band log antenna
YX044-F30	External lightning arrester
YX043-TNC	TNC-F connector
CCBL-0017	RG-6 coax cable (3 in length)
CCBL-0006	RG-6 coax cable (18 in length)
YX030-15W	15 ft. External Antenna coax extension, low-loss RG-6
YX042-F3P	Coax attenuator - 3dB
YX042-F6P	Coax attenuator - 6dB
YX042-F10P	Coax attenuator - 10dB
YX041-F4P	4-way coax splitter
YX041-F2P	2-way coax splitter
YX030-50W	50 Foot RG-6 Coaxial Cable with F-Male Connectors
YX031-100W	100 Foot Low Loss RG-11 Coaxial Cable with F-Male Connectors
YX012	Outdoor External Antenna Grounding Kit

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Overview

Thank you for choosing zBoost. zBoost allows cell phone users to use their cell phones INSIDE. Like a skylight that brings sunlight indoors, zBoost transports and amplifies the outdoor cellular signals inside.

By following the instructions in this user manual, you will be Extending Cell Zones™.

Why Indoor Signals Can Be Weak

There are several obstacles that can contribute to the poor reception you receive in a building:

1. Location of the Cell Phone Tower in Relation to the building

While cell phone carriers have tried to place cell phone towers to provide the best overall coverage, local ordinances and terrain features can impose restrictions on where these towers can be placed, thus, limiting the signal strength available at your location.

2. Obstructions Caused by Buildings, Terrain and Trees

Cell phone signals can be completely blocked or reflected by buildings, walls, trees, hills and other terrain features resulting in low signal strength.

3. Energy Efficient Windows

These windows can affect signal penetration into the building.



Preparing to Install zBoost

Warning. This is NOT a CONSUMER device

It is designed for installation by FCC LICENSEES and QUALIFIED INSTALLERS. You **MUST** have an FCC LICENSE or express consent of an FCC Licensee to operate this device. Unauthorized use may result in significant forfeiture penalties, including penalties in excess of \$100,000 for each continuing violation.

You MUST Obtain Express Consent of an FCC Licensee

Prior to the installation of an industrial signal booster it is imperative that you either be an FCC Licensee or have express consent from all of the FCC Licensees for which signals you wish to rebroadcast.

See page 16 for a sample consent form and page 17 for licensee contact information.

Site Survey

Before installing zBoost, assess the signal outside of the building, at roof level or wherever you plan to place the External Antennas. zBoost can only bring signal into the building when signal reaches the External Antennas. If there is no signal, the zBoost will not work for you.

Using a cell phone operating on the same carrier network(s) of the install location's occupants, check the signal strength at roof level (where the External Antenna will be placed) in varying locations by placing your phone in test mode to read dB signal strength.

The YX699 Signal Meter (available separately) provides signal strength information. It can be used with its supplied whip antenna to find the best location for placement of the External Antennas by identifying the area of strongest signal. It can also be used to identify peak antenna alignment when connected directly via provided cable.

Note



Cell phone signal bars are approximate and vary from phone to phone. The number of bars can fluctuate widely, depending on the location of the phone, the position or angle of the phone, weather, etc. Most cell phone signal meters update every 6 to 10 seconds. An increase of only one bar typically indicates a 4x to 10x signal increase.

Select External and Indoor Antennas and Determine their location

It is recommended that the External Antennas and Indoor Antenna have over 15 feet of vertical and 20 feet of horizontal separation.

Use the information from your site survey (page 3) to choose an appropriate External Antenna (available at www.zBoost.com) for your application. For example, a high-gain directional antenna is needed if the outdoor signal level is low and also for larger indoor coverage needs. Mount the External Antenna as high as possible, keeping it at least 2 feet away from any metal.

zBoost has several indoor antenna options (also available at www.zBoost.com). The dome and directional panel antennas are the most popular for in-building applications. For larger coverage areas, a high-gain directional antenna is needed (see illustration below).

The indoor antenna is connected to the base unit using coax cable. A directional antenna should be mounted on a wall facing the direction where increased coverage is desired. A ceiling mounted antenna should be placed in the center of the desired coverage area.

Note: Follow the specific antenna installation instructions included with the external and indoor antennas. If the antennas are too close together, the light on the Base Unit will flash red, indicating a problem see the Light Indicators section (Page 10). Always orient the Indoor and External Antennas pointing AWAY from

Note

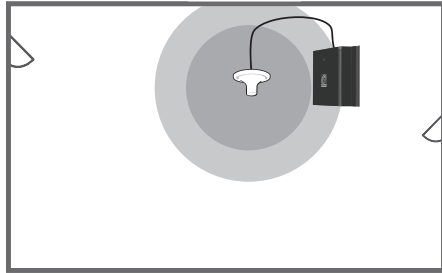


Avoid placing the External Antenna near metal such as wiring, A/C ducts, metal siding, truss plates, etc. When connecting the cable to the antenna, run the cable straight down from the antenna. Avoid draping the coax near the antenna.

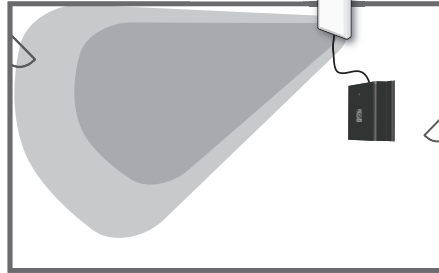
each other. See page 5, Installing Your zBoost Product, for additional information.

Cable Requirements

Low-loss satellite cable (either RG-6 or RG-11 available at www.zBoost.com) is required. After installing the External Antennas, run coaxial cable between External Antenna and Base Unit. The recommended maximum cable length run for RG-6 is 65 ft. and 120 ft. for RG-11. It is highly recommended that you refrain from securing your cable, drilling any holes, etc. until you complete and test the installation of the Base Unit.



YX741 using an omni-directional indoor antenna



YX741 using a high-gain directional indoor antenna

Caution: Before drilling any holes, run cable to make sure you know where existing electrical wiring is located. Drilling into live electrical wiring could cause and electrical shock and sever the wire.

Power Requirements

The Base Unit can be plugged into a standard 2-prong 110 VAC receptacle using the included power supply. The power supply consumes less than 10W (less than 0.2A).

Grounding the Directional External Antennas

The Directional External Antenna assembly must be properly grounded when it is installed outdoors. This will help protect the property and the Base Unit against lightning strikes during a lightning storm.

The installation must be in accordance with Article 810 of the National Electric Code (NEC). A listed antenna discharge unit must be provided for the lead-in coaxial cable per NEC article 8.10.20 or the shield of the coaxial cable must be permanently and effectively grounded in accordance with NEC article 8.10.21.

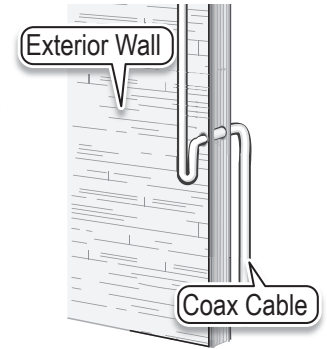


Note

The zBoost YX741 base unit **MUST** only be used with the provided power adaptor. Use of other power adaptors will void the warranty and may damage the unit. Use of other equipment is not FCC approved.

Securing Cable with a Drip Loop

When you install the Directional External Antennas, create a drip loop with the coaxial cable at the point where the cable enters the building through an outside wall. This can be done by twisting and securing the cable into a loop (no less than 4" across) near the entry point. This will help prevent moisture from gathering at entry point and leaking into the building.



Pre-Installation Guidelines

- Always orient the External Antenna and Indoor Antenna away from each other. This helps maintain isolation between the antennas. Additional isolating materials may be necessary.
- Vertical separation helps increase isolation.
- Directional antennas provide better isolation than omni-directional antennas.
- Keep cable runs as short as possible to minimize loss.
- Nearby towers can cause overload.
- Avoid any drilling or nailing directly into the roof. This could allow water to leak into the building and cause damage.
- Choosing to mount the antenna into fascia will not compromise the roof and places the antenna up high.
- If practical, do a soft installation of the equipment first.

Installing Your zBoost Signal Booster

You MUST Obtain Express Consent of an FCC Licensee

Prior to the installation of an industrial signal booster it is imperative that you either be an FCC Licensee or have express consent from all of the FCC Licensees for which signals you wish to rebroadcast.

See page 16 for a sample consent form and page 17 for licensee contact information.

Placement of the External Antennas

Choosing the best location for installation of the External Antenna provides the best performance and the largest area of improved signal. Determine the location which provides the strongest signal using the instructions found in the Site Survey section on page 3. Find the location which provides the strongest signal strength and install the External Antennas at that location.

The YX699 Signal Meter (available separately) provides signal strength information. It can be used with its supplied whip antenna to find the best location for antenna mounting with the strongest received signal. It can also be connected to the directional antennas to aim the antennas for maximum received signal.

Mounting of External Antenna(s)

When you have determined the location of the strongest signal, install the antennas to a mast or j-pole (Outdoor J-pole Antenna Mounting Bracket, YX014 available at www.zBoost.com). Loosely connect the antenna(s) to the mast to allow the antennas to be reoriented for strongest signal.

Follow the specific antenna installation instructions included with the External Antenna.

Omni-directional External Antennas should be placed as high as possible in the area of strongest signal. Directional External Antennas should be aimed at the cellular tower of the appropriate carrier.

The location of the tower can be determined by using any of the following methods:

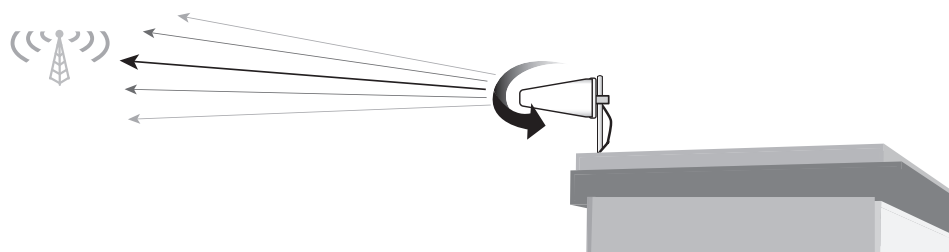
1. Using a YX699 Signal Meter (available at www.zBoost.com), connect the signal meter to the antenna using the cable provided with the signal meter. Rotate the antenna until the optimum signal reading is determined and secure the antenna at that position.
2. Download the zBoost Signal Finder Android app on a phone using a cell phone operating on the primary carrier network of the location's occupants.
3. Go to www.OpenSignal.com. Enter the zip code of the installation site. Note the location of the appropriate tower.
4. See the Antenna Aiming section of this manual. *Once a soft system install is complete*, follow the instructions for aiming the antenna(s)

NOTE: The zBoost YX741 requires at least 15 feet of vertical separation between the Indoor Antenna and the External Antennas. Generally, increasing this distance (up to 40 feet) will increase the performance and decreasing the distance will limit zBoost performance.

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 carrier

To aim the antenna for maximum signal, you will need a phone operating on the same wireless network(s) in used at the install location.



Note

Avoid placing the External Antennas near metal such as wiring, A/C ducts, metal siding, truss plates, etc. When connecting the cable to the antenna, run the cable straight down from the antenna. Avoid draping the coax near the antenna.

Note: A 1 dBm increase is 25% gain in signal strength.

If you do not know which direction the best signal is coming from, once the unit is installed, rotate the External Antenna in 90 degree increments while measuring the results inside the desired coverage area.

The majority of the time, a cell tower will hold more than 1 frequency band and/or carrier. If you are using two external antennas - one operating on PCS band and one operating on the cellular band, both antennas will generally point in the same direction.

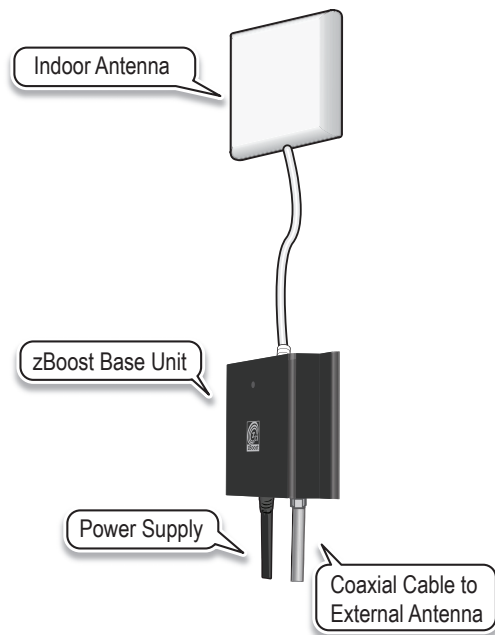
1. Place the cell phone(s) (in field test mode) on a non-metal surface about 6-8 feet from the Base Unit.
2. Turn the signal booster on and wait 30 seconds. Note the signal reading displayed on the cell phone. _____dBm (A)
3. Leave the phone in exactly the same place and pointing in the same direction for the following steps. Note the direction External Antenna starting position _____.
4. Rotate the External Antenna 90 degrees and then record the signal strength. _____dBm (B)
5. Continue to rotate the antenna another 90 degrees in the same direction and record the phone signal strength. _____dBm (C)
6. Again, rotate the antenna another 90 degrees in the same direction and again record the phone signal strength. _____dBm (D)
7. If you desire to optimize further, then look for the two highest signal readings above and move the antenna between these two points to find the highest signal reading.
8. Look for the highest reading above. Set the antenna to that position and tighten the antenna to the mast of your choosing. We suggest PVC pipe that is at least 1.5" or J-Pole (part # YX014, not included).

Installing the Indoor Antenna

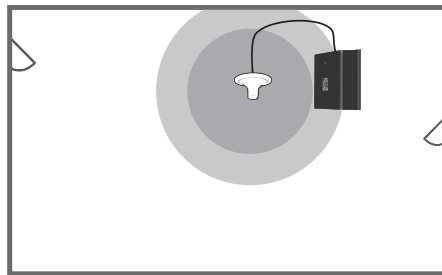
zBoost has several indoor antenna options. The dome and panel antennas are the most popular for in-building applications.

Follow the specific antenna installation instructions included with the indoor antenna.

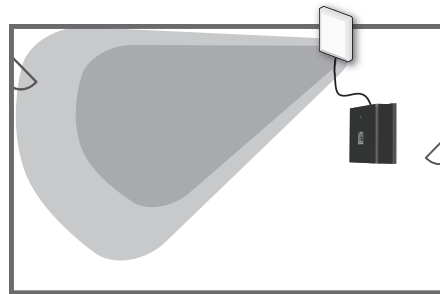
The indoor antenna is connected to the base unit using coax cable (see illustration on page 8). A directional antenna should be mounted on a wall facing the direction where increased coverage is desired. A ceiling mounted antenna should be placed in the center of the desired coverage area.



Shown: YX741 Base Unit with Indoor Directional Antenna



YX741 using an omni-directional indoor antenna



YX741 using a high-gain directional indoor antenna

Mounting the Base Unit

The Base Unit can also be easily mounted on a wall. Attach the Base Unit to a suitable wall surface using the provided hardware kit. The Base Unit should be oriented with the indicator light near the top of the unit. Connect the RG-6 coaxial cable from the Indoor Antenna to the Base Unit.

Running the Coaxial Cable to the Base Unit

Coaxial cable is not provided with the YX741. After installing the External Antenna, you will need to run coaxial cable to the Base Unit. The recommended maximum cable length run for RG-6 is 65 ft. and 120 ft. for RG-11. It is highly recommended that you refrain from securing your cable, drilling any holes, etc. until you complete and test the installation of the Base Unit.

For example, if you plan to use the Base Unit in meeting room of a two-story office, first run the cable from the roof down the stairs to the meeting room. After the Base Unit is installed and successfully working, find a more direct and permanent route for the cable (e.g., dropping it through the ceiling of a nearby closet).

Connect the YX741 Base Unit to Power Confirm That it is Working Properly

With everything connected and the Base Unit plugged in, you should walk throughout the area and see that you are able to reliably place calls.

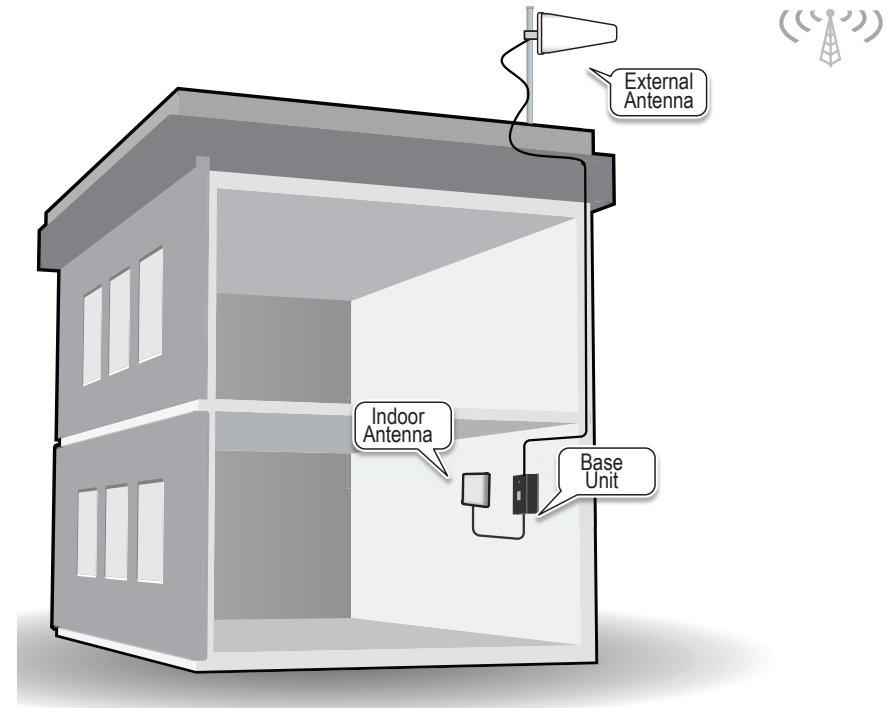
Upon initial power up, a solid GREEN LED should appear indicating normal conditions. If a RED light appears, adjustments may be needed to optimize performance. If you find the increased signal coverage is acceptable, however, no additional adjustments are needed. See Light Indicator section (page 10) for more information.

Remember, coverage varies based on outdoor signal level, building construction, and general installation care. Coverage in adjoining rooms (next to, above, or below) will be reduced due to the walls or the ceiling/floor.

Improving The Coverage Area

Should you desire to improve coverage, you may:

1. Move the Base Unit and/or adjust the angle of the Indoor Antenna.
2. Move the External Antenna to a higher location outside.
3. Purchase an External Antenna upgrade at www.zBoost.com.



Base Unit Light Indicators

At Initial Power Up Only

Solid GREEN	Normal condition at power up.
Slowly Alternating RED and GREEN	zBoost is working, but at reduced performance and coverage due to “non-ideal” setup. Solution: Increase the distance between External Antenna and Indoor Antenna to achieve maximum performance and coverage.
Fast Flashing RED	Indicates insufficient distance between the External Antenna and the Indoor Antenna. The amplifier is operating at significantly reduced coverage. Solution: Increase space between Indoor and External antennas.
Solid RED	System is receiving signals from either the mobile device or the base station transceiver which are too strong for proper operation. Solutions: ① Move away from receiving antenna with your cell phone. ② Move antenna away from other devices..
Fast Alternating RED and GREEN followed by no light	The amplifier is disabled. Solution: Unplug and start over.

After Initial Power Up

Solid GREEN	Normal condition.
Solid RED	System is receiving signals from either the mobile device or the base station transceiver which are too strong for proper operation. Solution: Please unplug your system. Re-orient your External Antenna and/or Base Unit to reduce the excessive signal source. Plug your system back in. If still solid red, call customer support 1-800-871-1612.

Technical Specifications

	PCS Frequency	CEL Frequency
Frequency	1850 - 1990 MHz	824 - 894 MHz
System Gain	62 dB	65 dB
Band Supported	ALL: A,D,B,E,F & C	ALL: A,B, A' & B'
Output power	UL: +20 dBm; DL: +10 dBm	UL: +20 dBm; DL: +10 dBm
Cable Loss	3000 MHz RG-6, approx. 1dB/10 ft.	3000 MHz RG-6, approx. 0.6 dB/10 ft.

Network Format	CDMA, GSM, TDMA, GPRS, EDGE, EVDO, HSPA, 3G
Base Unit RF Connectors	F-type female and TNC female
Wall Supply Unit	100-240 VAC 50 Hz - 60 Hz
Input and Output Impedance	TNC Connector: 50 Ohm; F Connector: 75 Ohm
Power Consumption	3W standby; 7W max signal - 2.0A Max
System Certifications	UL, FCC Parts 15 & 24 (PCS), FCC Parts 15 & 22 (CEL), Industry Canada
Base Unit Size and Weight	5" x 7" x 1.25" - 12 oz.
Base Unit and Power Supply	Indoor Use Only, 0° to 45° C (32° to 113° F)

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.

Frequently Asked Questions

What can I expect the cell phone signal range and strength to be inside the building?

The closer you are to the base, the stronger the signal. This will vary with different conditions. Some of the conditions that will affect the improved coverage area are signal strength outdoors, the type of building materials, the placement of the unit and the antenna's proximity to cellular towers.

You can expect that indoor coverage will be improved. People will be able to make calls where they couldn't before. The degree of improvement will depend upon many factors. The intent of zBoost products are to bring outside coverage inside. Just as the signal bars move up and down when outside, the boosted signal will fluctuate in a similar fashion.

Is a cellular phone signal booster the same as a wireless router; will it help Wi-Fi signal?

The zBoost unit will not help WiFi service. This unit is designed to work with wireless PCS and Cellular phones and devices. WIFI operates on a different frequency.

Why isn't my cell phone indicating more signal with more bars?

You may not always observe more bars that gain on your signal meter because of the signal spreading out from the antenna. If your phone has a dB meter, 3 dB is a significant increase of 2x, 6 dB is 4x, and 10 dB is 10x. On a four bar phone, one "bar" equals about 10 dB.

The increase in signal you will see depends upon:

- The level of signal at the External Antenna (outdoor)
- The care of the antenna placement (two feet away from metal, adequate antenna separation [15 feet recommended])
- The signal already present inside (related to building losses)
- The distance of mobile devices from the Base Unit (signal spreads or diminishes rapidly with distance.)

There are usually several cell phones in use at one time in this office, will your product boost all signals simultaneously?

The zBoost YX741 is designed to cover multiple signals simultaneously and will allow multiple users to operate at the same time.

Does the zBoost work if you have no bars?

No, if no signal is present outdoors zBoost products will not work for you. Also, keep in mind if your best signal is 1 bar at the External Antenna, your coverage will be limited.

Frequently Asked Questions

Where should I put the Indoor Antenna to get the best coverage?

You should install the Indoor Antenna where coverage is needed the most. The Indoor Antenna is the component that amplifies the signal inside. The coverage area and direction is dependant on the type of antenna used (directional or omnidirectional). The further away the phone is from the antenna, the weaker the signal. The antenna be placed in a central meeting room, lobby, or other central location.

Note: if you install the External Antenna too close to the Indoor Antenna, the system will shut down (red light will blink). This is a normal condition for this scenario. It means that you must ensure a sufficient distance between the 2 antennas; otherwise, it will detect feedback or noise and will automatically shut down.

Where is the best place to put the zBoost External Antenna?

The zBoost External Antenna should be placed at the highest point in order to "catch" the strongest signal. This location will likely be on the roof. The placement of the External Antenna is very important. It is best to place this in an unobstructed area, preferably above the roof line.

Note: if you install the External Antenna too close to the Indoor Antenna, the system will shut down (red light will appear). This is a normal condition for this scenario. It means that you must ensure a sufficient distance between the 2 antennas; otherwise, it will detect feedback or noise and will automatically shut down.

The light is continually blinking

There are several reason that the zBoost light could be blinking. Please see the Light Indicator section on Page 10 for specific answers.

Warranty Information

Limited 1 Year Warranty Warranty registration at www.zBoost.com

zBoost warrants every product to be free from defects in material and workmanship under normal use for the warranty period of one year.

Who Is Covered?

You must have proof of purchase to receive warranty service. A sales receipt or other documentation showing the product purchased and the purchase date is considered proof of purchase. This limited warranty extends only to the original purchaser and to no other purchaser or transferee.

What is Covered?

Warranty coverage begins the day you purchase the product. For one year from the original date, the zBoost Cell Phone Signal Booster will be repaired or replaced with a new, repaired, refurbished or comparable product (whichever is deemed necessary by zBoost) if it becomes defective or inoperative. The exchange will be made without charge to you for parts and labor. You will be responsible for the cost of shipping to the location designated by zBoost.

All products, including replacement products, are covered only for the original warranty period. When the warranty on the original product expires, the warranty on the replacement product also expires.

What is Excluded?

Your warranty does NOT cover:

- Labor charges for set up of the unit.
- Product replacement because of misuse, accident, lightning damage, unauthorized repair or other cause not within the control of zBoost.
- Incidental or consequential damages resulting from the product. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.
- Any modifications or other changes to the product, including but not limited to software or hardware modifications in any way other than as expressly authorized by zBoost will void this limited warranty.
- Product that has been modified or adapted to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.

Make sure you keep...

Please keep your sales receipt or other document showing proof of purchase. Attach it to this User Manual and keep both nearby. Also, keep the original box and packing material in case you need to return your product.

Before requesting repair service...

If red light is on, system is receiving signals from either the mobile device or the base station transceiver which are too strong for proper operation. Please unplug your system. Re-orient your External Antenna and/or Base Unit to reduce the excessive signal source. Plug your system back in. If still solid red, call customer support at 1-800-871-1612.

To get warranty service...

Warranty service will be provided by zBoost. If you believe you need service for your unit, contact zBoost at 1-800-871-1612 or support@zBoost.com. A representative will go through a diagnostic checklist with you. If it is determined that the product needs to be returned for service or exchanged, you will receive a return merchandise authorization (RMA) number. The representative will give you complete shipping details. Do not return products to zBoost without a Return Authorization Number (RMA).

To get out of warranty service...

To obtain out of warranty service, contact zBoost at 1-800-871-1612 or support@zBoost.com for information on the possibility of any costs for repair or replacement of out-of-warranty products.

Reminder

Record the model and serial number found on the product below:

Model #: _____

Serial #: _____

Purchase Date: _____

Sample Consent Form

Wireless Extenders ("zBoost") Industrial Signal Booster Consent Form

Prior to the installation of an industrial signal booster it is imperative that you either be an FCC Licensee or have express consent from all of the FCC Licensees for which signals you wish to rebroadcast. Official Industrial Warning Label below.

Please complete the information below and keep on record before the installation of ANY industrial signal boosters.

Installer Information

Name

Address

Contact Info

Installation Site Information

Name

Address

Contact Info

FCC Licensee express consent has been given by the following:

FCC Licensee Name

Contact Person Name

Contact Information

Date Consent Granted

FCC Licensee Name

Contact Person Name

Contact Information

Date Consent Granted

FCC Licensee Name

Contact Person Name

Contact Information

Date Consent Granted

FCC Licensee Name

Contact Person Name

Contact Information

Date Consent Granted

WARNING. This is NOT a CONSUMER device. It is designed for installation by FCC LICENSEES and QUALIFIED INSTALLERS. You MUST have an FCC LICENSE or express consent of an FCC Licensee to operate this device. Unauthorized use may result in significant forfeiture penalties, including penalties in excess of \$100,000 for each continuing violation.

Licensee Contact Information

For further information, visit

<http://wireless2.fcc.gov/UlsApp/UlsSearch/searchLicense.jsp>

Verizon

Verizon Wireless (VAW) LLC

Attn: Regulatory

1120 Sanctuary Pkwy, #150

Alpharetta, GA 30009-7630

(770) 797-1070

LicensingCompliance@VerizonWireless.com

AT&T

AT&T Mobility Wireless

3300 E. Renner Road, # B3132

Richardson, TX 75082

FCCMW@att.com

T-Mobile

T-Mobile License LLC

12920 SE 38th St

Bellevue, WA 98006

(425) 383-4000

FCCregulatorycompliancecontact@t-mobile.com

Sprint

SPRINTCOM, INC.

12502 Sunrise Valley Drive

Reston, VA 20196

MetroPCS

MetroPCS Communications, Inc.

2250 Lakeside Boulevard

Richardson, TX 75082

(214) 570-5800