By Wi-Ex

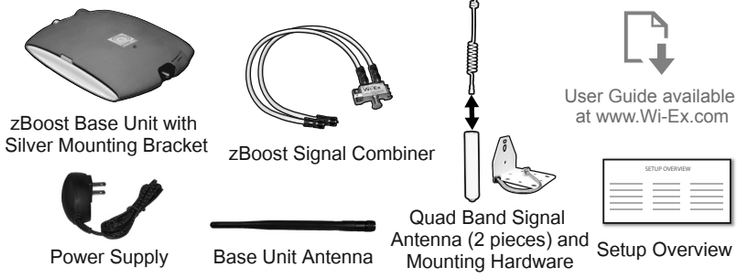
SETUP OVERVIEW

Download the YX550-Upgrade User Guide at www.Wi-Ex.com

zBoost® DataBlast™ YX550 Upgrade

Models:
- VLTE-AWS
- ALTE-AWS

PACKAGE CONTENTS



SETTING UP YOUR zBOOST® SIGNAL BOOSTER

zBoost DataBlast 4G signal booster extends a 4G Data Zone™ for multiple users/ devices operating on the 4G network specified on the front of the box. The zBoost DataBlast upgrade system boosts data speeds by up to 20 times when integrated with your existing cellular signal boosting system.

Important: By joining two signal boosters to a single exterior antenna, the signal could be reduced by as much as 3dB.

Before installing, please note the following important factors in determining your zBoost performance:

- *At least 15 vertical feet is needed between the Signal Antenna (receives the outside signal) and the Base Antenna (rebroadcasts the signal indoors). Separation less than 15 vertical feet will result in decreased performance.*
- *Keep the Signal Antenna at least 3 feet above any metal.*

Boost data transmission in 4 easy steps:

FIRST: Replace existing Signal Antenna with zBoost Quad Band Antenna.

Verify that the location of the Signal Antenna is in the area of strongest signal. The coverage your zBoost DataBlast provides is largely determined by the quality of signal received by the Signal Antenna. If your best signal is 1 bar, your coverage will be limited to one small room.

To maximize signal coverage, place the Signal Antenna where you find the strongest signal (up high or outside) and at least 3 feet above any metal.

IMPORTANT: Incorrectly mounting the Signal Antenna to the mounting bracket (see figure A) will impede performance. Ensure that the Signal Antenna is properly positioned in the mounting bracket as pictured.

To mount antenna to a pole: Attach bottom of antenna to pole bracket as pictured. Use U-Bolt to secure bracket to pole and fasten.

To mount antenna to a flat surface: Attach bottom of antenna to pole bracket as pictured. Secure bracket to desired surface using provided screws. Use of the Saddle and U-Bolt are not necessary for this option.

SECOND: Disconnect the coaxial cable from the existing booster Base Unit and connect to the zBoost Signal Combiner.

Existing RG-59 or RG-6 should not exceed 50 feet. If the cable length exceeds 50 feet, it should be replaced with RG-11. Existing RG-11 should not exceed 100 feet.

The zBoost DataBlast requires at least 15 feet of vertical separation between the Base Unit and the Signal Antenna. Generally, increasing this distance (up to 40 feet) will increase the performance and decreasing the distance will limit the performance of both boosters.

THIRD: Connect one end of the zBoost Signal Combiner to the DataBlast Base Unit and connect the remaining end to the existing booster.

Assemble the Base Unit and Base Unit Antenna and position the antenna vertically. Place the Base Unit next to your existing signal booster. For the widest possible signal area, it is recommended that you position the Base Unit near the middle of a room. The Base Unit can be placed on a flat surface (e.g., a bookshelf, desk, end table, etc.) and performs best when located at least 4 feet above the floor or approximately the height of a cell phone when it is typically in use (avoid placing the Base Unit on the floor).

Keep the Base Unit at least 2 feet away from other cords, metal objects or other wireless devices such as wireless routers or wireless access points. The zBoost DataBlast performs best when there are no obstructions between the zBoost Base Unit and your mobile device.

Important: The cable connections should remain hand-tight. Once you have them in their permanent location, verify that all three connections remain secure.

Note: To mount it on an interior wall, first remove the silver bracket from the Base Unit, mount the bracket to a wall with 2 screws (not provided), then placing the Base Unit back into the bracket keeping the antenna vertical.

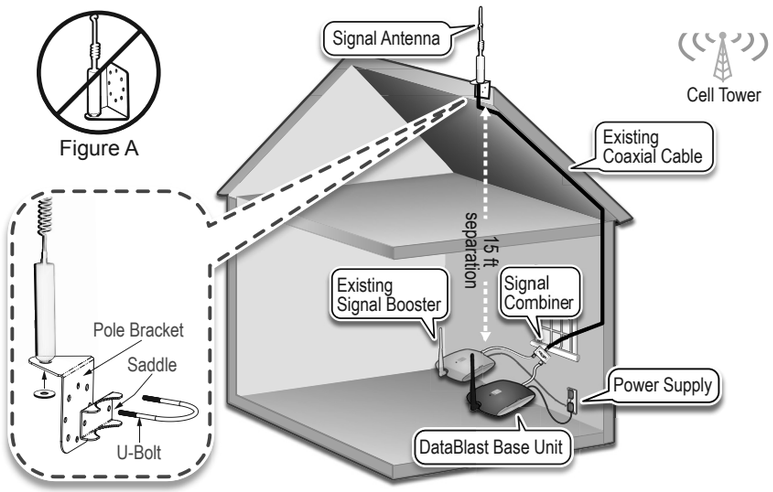


Figure A

FOURTH: Connect the DataBlast Base Unit to the provided power supply and plug into a power outlet. When your zBoost system is in place and fully connected, walk throughout your home or office and verify that you have fast, reliable data speeds. If the signal strength has improved, your zBoost is working. Remember, coverage varies based on outdoor signal level, building construction, and antenna placement. Coverage in adjoining rooms will be reduced by walls and building materials.

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 LED Indicator section for more information.

Should you desire to improve coverage, you may:

- Relocate the Signal Antenna in order to capture a better signal–higher is better.
- Increase the distance between the Base Units and the Signal Antenna.

BASE UNIT LED 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. Increase the distance between antenna and amplifier to achieve maximum performance and coverage.
Fast Flashing RED	Indicates insufficient distance between the antenna and the amplifier. The amplifier is operating at significantly reduced coverage.
Solid RED	System is receiving signals from either the mobile device or the base station transceiver which are too strong for proper operation.
Fast Alternating RED and GREEN followed by no light	The amplifier is disabled.

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. Unplug your system and re-orient the Signal Antenna and/or Base Unit to reduce excessive signal. If LED remains RED after reconnecting power, contact customer support at 1-800-871-1612.

Rev A

Product Specifications for zBoost® SOHO DataBlast Upgrade

	Specifications for VLTE Band	Specifications for ALTE Band	Specifications for AWS Band
Frequency	Uplink: 776 to 787MHz Downlink: 746 to 757MHz	Uplink: 704 to 716MHz Downlink: 734 to 746MHz	Uplink: 1710 to 1755MHz Downlink: 2110 to 2155MHz
Band supported	13	17	4
Networks	LTE (Verizon)	LTE (AT&T)	AWS
Output Power	+20dBm in UL and +13dBm in DL	+20dBm in UL and +13dBm in DL	+20dBm in UL and +10dBm in DL
General Specifications for all zBoost DataBlast Models			
System Gain	60dB		
Power Consumption – Power Supply Current	3W standby; 7W max signal - 2.0A Max		
Wall Supply Input ; Voltage	100-240VAC, 50-60 Hz; 5.0VDC		
Input and Output Impedance	TNC Connector: 50ohm; F Connector:75 ohm		
System Certifications	FCC Parts 15 & 27, Industry Canada		
Base Unit Size and Weight	5” x 7” x 1.25” – 9 oz.		
Operating Conditions	Indoor Use Only (40° - 105° F)		
Important: By joining two signal boosters to a single exterior antenna, the signal could be reduced by as much as 3dB			

This product uses patented technology to protect the carrier network

FCC Information

FCC ID: SO4YX550-AWS-VLTE
SO4YX550-AWS-ALTE

Warning: Changes or modifications to this device not expressly approved by Wi-Ex could void the user’s authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If the equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. In accordance with FCC requirements of human exposure to radiofrequency fields, the radiating element (antenna) shall be installed such that a minimum separation distance of 20cm (8in) is maintained from all persons.

Industry Canada Regulations

Canada IC: 5544A-YX550AWSVLT
5544A-YX550AWSALT

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.

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

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.

WARRANTY INFORMATION

LIMITED 1 YEAR WARRANTY | REGISTER AT WWW.WI-EX.COM

Wi-Ex warrants every Wi-Ex product to be free from defects in material and workmanship under normal use for the warranty period of 1 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 consumer purchaser or any person receiving the product as a gift from the original consumer purchaser and to no other purchaser or transferee. This warranty does NOT extend to commercial users.

What is Covered?

Warranty coverage begins the day you purchase the product. For one year from the original date, the Wi-Ex Cell Phone Signal Booster will be repaired or replaced with a new, repaired, refurbished or comparable product (whichever is deemed necessary by Wi-Ex) 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 Wi-Ex. If Wi-Ex cannot reasonably repair or replace the unit then Wi-Ex may, at its sole discretion, refund the price you paid for the product or the price of the unit. 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 Wi-Ex.
- 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 Wi-Ex 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 Setup Overview and keep both nearby. Also, keep the original box and packing material in case you need to return your product.

Before requesting repair service…

Please review the BASE UNIT LED INDICATORS section listed in this overview - This may save you a call.

To get warranty service…

Warranty service will be provided by Wi-Ex. If you believe you need service for your unit, contact Wi-Ex at 1-800-871-1612 or support@wi-ex.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 Wi-Ex without a Return Authorization Number (RMA).

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

Model #: _____

Serial #: _____

Purchase Date: _____

CUSTOMER SERVICE

The zBoost SOHO DataBlast YX550 Upgrade User Guide and additional product information is available at www.Wi-Ex.com

For questions or assistance, contact Wi-Ex customer service at 1-800-871-1612 or email Support@Wi-Ex.com.