

zBoost z-Force® YX240 Installation Overview

Download Product Manual at www.Wi-Ex.com



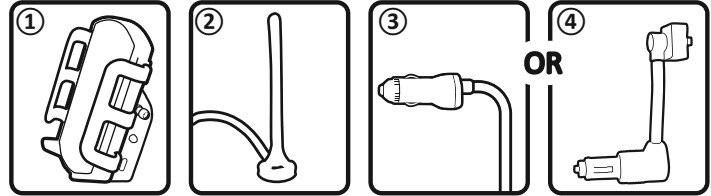
By **Wi-Ex**.com

Need a Signal Boost in Your Home or Office?
See the full line of zBoost Signal Boosters at www.Wi-Ex.com

Designed for consumers, the Wi-Ex® cell phone signal booster, z-Force, extends an in-vehicle Cell Zone. The dual band unit captures the signal outside of your car and amplifies it on the inside for a stronger “hands-free” signal. The unit incorporates a cradle and works with both 1900 MHz and 800 MHz phones – (not Nextel/iDEN, 4G or 2100 MHz). Installation is easy - this package includes everything you need.

Package Contents

- ① zBoost Amplifier Cradle and Mounting Adhesive
- ② Exterior Magnetic Mount Antenna with 10 ft Cable
- ③ 12v DC Cigarette Power Adapter with 3 ft Cable - OR -
- ④ Gooseneck Adapter



Note: If your z-Force product includes the optional Gooseneck Adapter (④), begin your installation on **Step 2**. Otherwise, with the standard CLA (③), begin on **Step 1**. To purchase the Gooseneck Adapter, visit www.Wi-Ex.com.

WARNING! Use only the provided power adapter. The use of any other power adapter or cable will harm the system and void your warranty. Before installing, please read the entire contents.

Installation

Step 1. Position zBoost Amplifier Cradle - Choose the location within your vehicle to mount the zBoost Cradle. Choose a location with a flat surface where Velcro can be applied. Avoid placing behind any metallic objects. Do not make contact with any metal surface. Position Amplifier Unit within 3 feet reach of power source. Clean the area where the mounting adhesive will be applied. Allow to dry. Peel backing to expose the adhesive and press onto the desired location. Remove the backing from the remaining side and press the zBoost Cradle into place.

Step 2. Position Exterior Magnetic Mount Antenna - Position Exterior Magnetic Mount Antenna on roof of vehicle, making sure magnet is secured to metal surface. Thread the cable from exterior to the interior of the vehicle. Connect the cable connector to the Amplifier Cradle Unit.

NOTE: The cord running from exterior to interior of vehicle is designed to withstand pressure when closed in door.

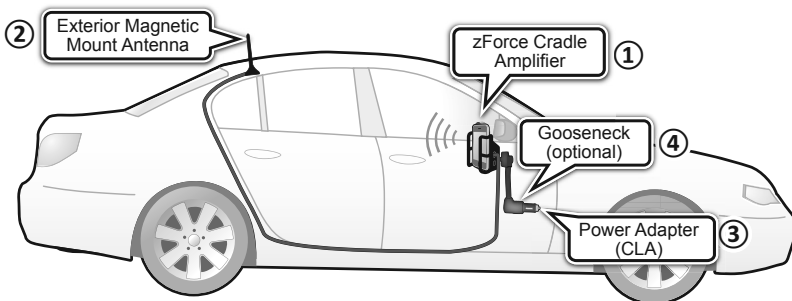
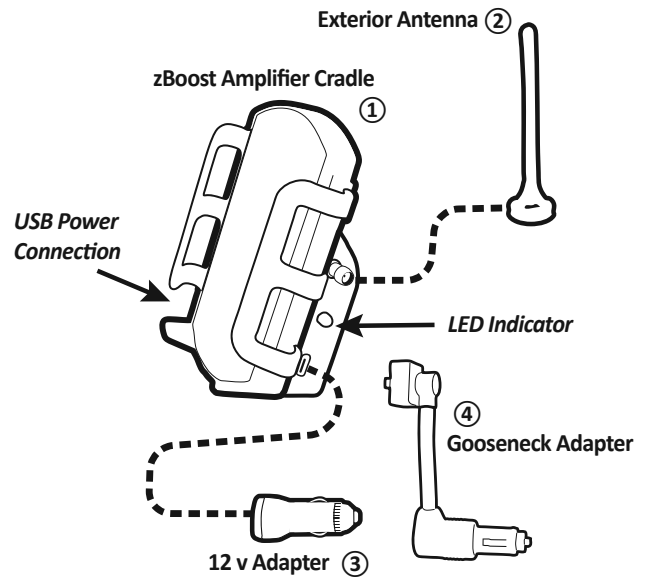
Step 3. Connect DC Power - Connect DC Power Adapter to the zBoost Cradle using the provided cable or, if you are using a Gooseneck Adapter, by snapping the back of the cradle onto the Gooseneck. Then connect to power source within vehicle.

NOTE: The left side of the z-Force Cradle features a USB power connection so that you can charge your cell phone while using this product.

Step 4. Examine Amplifier LED - The lighted area on the zBoost Amplifier Cradle indicates the condition of the system. Review LED Indicator section below.

NOTE: This product uses an auto-shut-off feature. When no movement is detected for 10 minutes, the unit will power down automatically to avoid draining your vehicle’s battery and will display a slow blinking green LED.

Step 5. Quick System Check - Place your cell phone in the zBoost Cradle. Check signal strength bars. Next, turn the system off (unplug unit). You should notice a decrease in signal bar strength. The exception is if you are in an area where, with the system off, your phone is at full signal strength. Please note when you turn the system on, if your phone is receiving maximum signal strength you will not see a difference. In order for this quick test to work, you will need to test unit in a less than maximum signal strength area.



zBOOST ZFORCE YX240 TECHNICAL SPECIFICATIONS

	PCS band	Cellular band
Frequency	Uplink: 1850-1910 MHz Downlink: 1930-1990 MHz	Uplink: 824-849 MHz Downlink: 869-894 MHz
Band supported	A, D, B, E, F, C	A, B, A', B'
System Gain	up to 35dB	up to 43dB
Networks	CDMA, GSM, GPRS, EDGE, EVDO, 1xRTT, UMTS, HSPA, 3G	
Output Power	DL: +0dBm UL: +21dBm	
Power Source	12V adapter	
System Certifications	FCC Parts 15 & 24 (PCS), Parts 15 & 22 (CEL), Industry Canada	
Base Unit Size and Weight	4.4" x 3.0" x 1.9" – 20 oz.	
Operating Conditions	5 - 50°C (40 - 122° F)	
This product uses patented technology to protect the carrier network (US 7,706,744); additional patents pending		

LED INDICATORS

LED Status	Condition
Solid Green	Normal operation
Slow Blinking Green	System has powered down after sensing no movement for 10 minutes. Once movement resumes, system will power up.
Blinking Red	System is experiencing Interference. This is caused by inadequate distance between the Cradle and Exterior Antenna. Resolve by moving Exterior Antenna further back on the vehicle.
Solid Red	Indicates issue with power adapter. One possible cause is a loose power connection. Verify that the adapter is properly secured in the socket. Another possible cause is the use of an incompatible power adapter. Use only the provided adapter and/or cable or risk harm to your zForce system. If you are using the adapter provided with your zForce system, please contact customer service for a replacement.

FCC ID: SO4YX240-PCS-CEL
 IC: 5544A-YX240PCSCEL

Installation Guide Model Number: YX240

Technical Support

For technical support, warranty issues or return authorization, contact Wi-Ex Support between the hours of 8:30 AM and 5:30 PM EST at 1-800-871-1612, email Support@Wi-Ex.com or visit www.Wi-Ex.com. Before calling, locate the serial number on the amplifier unit. The serial number is required for technical support or establish a return authorization.

FCC Information

FCC ID: SO4YX240-PCS-CEL

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 radio frequency 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-YX240PCSCCEL

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-émission 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:

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.

[Register your zBoost Product at www.Wi-Ex.com](http://www.Wi-Ex.com)

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. 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 other than as expressly authorized by Wi-Ex will void this 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.

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).

To get out of warranty service...

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

CUSTOMER SERVICE



The zBoost zForce YX240 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