5 Band WIRELESS *4G/LTE*

Consumer Mobile 50dB Booster

USER MANUAL

Model # Katalyst FCC ID: 2AEQM-KATALYST IC: 20195-KATALYST

KIKA KATALYST WIRELESS 4G/LTE BOOSTER

Instruction Guide

THIS IS A CONSUMER DEVICE

BEFORE USE, you MUST REGISTER THIS DEVICE with your wireless provider and have your provider's consent. Most wireless providers consent to the use of signal boosters. Some providers may not consent to the use of this device on their network.
If you are unsure, contact your provider.

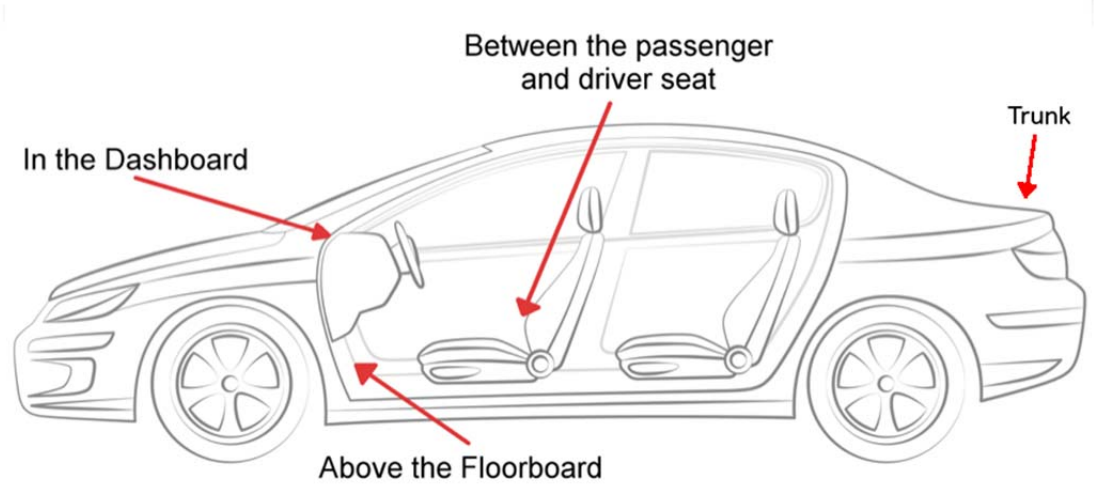
You MUST operate this device with approved antennas and cables as specified by Kika M2M. Antennas MUST be installed at least 20cm (8 inches) from any person.
You MUST cease operating this device immediately if requested by the FCC or a licensed wireless service provider.

WARNING: E911 location information may not be provided or may be inaccurate for calls served by using this device. You are cautioned that changes or modifications not expressly approved by the FCC will void your authority to operate the equipment and will void your warranty.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: □(1) this device may not cause harmful interference□(2) this device must accept any interference received, including interference that may cause undesired operation.
No antennas can be used with this Booster that is not listed within this manual. Using Non Approved antennas will violate FCC regulations, and will result in your warranty being voided.

PLACEMENT OF YOUR KIKA

KATALYST WIRELESS MOBILE 4G/LTE BOOSTER



It is strongly suggested that you follow the instructions in this guide to obtain the best performance of your device. Failing to do so could result in causing a disturbance to the network you are using and the booster shutting off until the problem has been rectified.

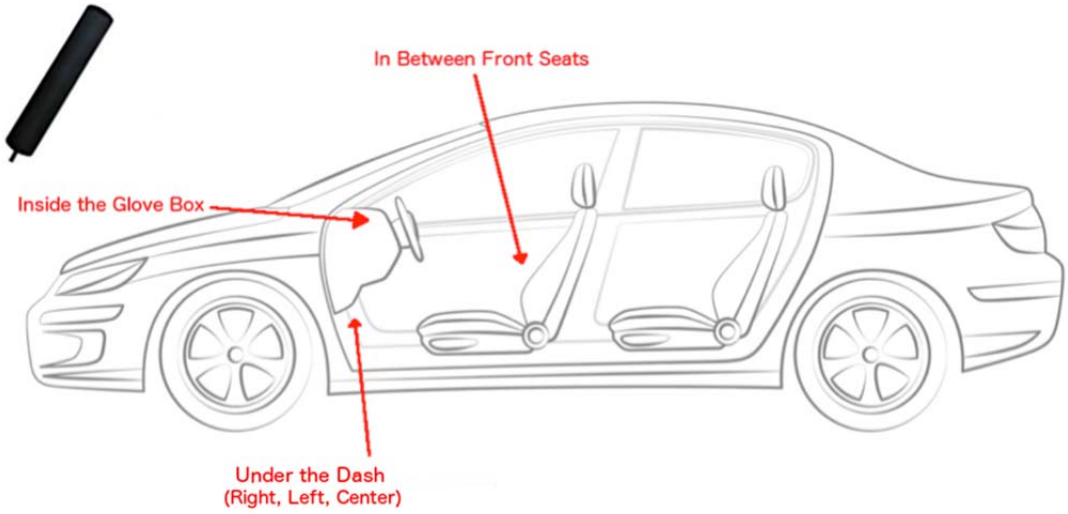
Select a location for the Booster placement, making sure you pick a spot with good ventilation and no moisture will come in contact with your Kika Katalyst Wireless Mobile 4G/LTE Booster.

When deciding where to put your new Kika Katalyst Wireless Mobile 4G/LTE Booster, you must take into account the cable lengths of your two antennas (Exterior Window Mount Antenna (12 feet), Interior Panel Antenna (10 feet), and your power supply cable (4 feet) must be able to reach the spot you have decided to place your new Kika Katalyst Wireless Mobile 4G/LTE Booster. This will avoid having problems after your installation (i.e. improper placement, cable extension problems etc.), and cause problems with a network provider or FCC regulations thus causing the Kika Katalyst Wireless Mobile 4G/LTE Booster to shut off.

Network signals are sent and received by the cell tower and the wireless cellphone/device constantly passes though the Katalyst Wireless Mobile 4G/LTE Booster and back to the cell tower. The reason you purchased the Katalyst Wireless Mobile 4G/LTE Booster is the ability of your cellphone/device to constantly connect to a cell tower. When you are in a mobile vehicle the signal from the cell tower is often inconsistent and the Katalyst Wireless Mobile 4G/LTE Booster will find the cell tower and transmit the signal through the outdoor antenna back and forth through the Katalyst Wireless Mobile 4G/LTE Booster to the indoor antenna where up to eight users/devices can all have service inside their vehicle.

THE USE OF NON KIKA M2M LISTED ANTENNAS, CABLES OR EXTEDING THE CABLE LENGTH IS NOT PERMITTED BY THE FCC AND CAUSE THE BOOSTER TO SHUT DOWN AND MAY DAMAGE THE BOOSTER AND COULD VOID YOUR WARRANTY.

INSTALLING THE INERNAL ANTENNA



The Kika Katalyst Wireless Mobile 4G/LTE Booster requires two antennas with a vertical separation of at least of four feet and a minimum horizontal separation of Eight feet from the other antenna. The Inside Panel Antenna should not be installed any further than twelve feet from the Kika Wireless Mobile 4G/LTE Booster. The extension of any cables may cause problems with a network provider or FCC regulations thus causing the Kika Katalyst Wireless Mobile 4G/LTE Booster to shut off.

Find an appropriate location in the vehicle such as in the glove compartment or on under the seat, between the front seats etc. Before making the placement permanent make sure the Inside Panel antenna cable can reach your Kika Katalyst Wireless Mobile 4G/LTE Booster.

Run the Interior Panel Antenna cable to the Kika Katalyst Wireless Mobile 4G/LTE Booster. Never use any sharp objects to secure the cable, and be careful not to pierce the outer cable casing because it will negatively affect how your Kika
Katalyst Wireless Mobile 4G/LTE Booster works.

Remove the adhesive backing of the Inside Panel Antenna making sure that that the adhesive side is facing the interior of the vehicle and then secure the Inside Panel Antenna to the inside of your glove compartment or the firewall of your vehicle, etc.

Never use tools to secure your Kika Katalyst Wireless Mobile 4G/LTE Booster to the connector labeled INT-ANT, as you could damage the Booster and could void your warranty.

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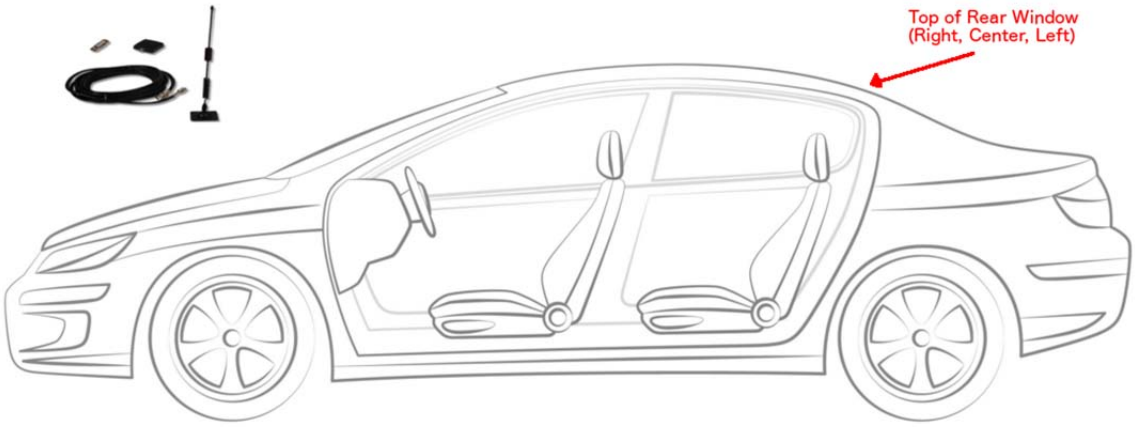
INSTALLING Exterior Window Mount Antenna



The Kika Katalyst Wireless Mobile 4G/LTE Booster utilizes antennas that require a vertical separation of at least of three feet and a minimum horizontal separation of five feet. The external window mount antenna MUST have a minimum of 180º degree line of sight with a minimum of eight inches above any obstruction.

The external window mount antenna should not be installed any further than twelve feet from the Kika Katalyst Wireless Booster Wireless Mobile 4G/LTE Booster.

A location on your vehicle's rear window towards the top of the rear window on the passenger's side should be chosen to place the external window mount antenna base.

Before placing the external window mount antenna base in a location, make sure the exterior mount antenna cable can reach your Kika Katalyst Wireless Mobile 4G/LTE Booster. Use the supplied alcohol pad to clean the window before affixing the antenna base.

Place the interior portion of the exterior window mount antenna on the inside of your rear window, exactly over the exterior portion of the exterior window mount base. Make sure the cable connector is facing down. Use the supplied alcohol pad to clean the window before affixing it to the window.

Run the Exterior Antenna cable to the Kika Katalyst Wireless Mobile 4G/LTE Booster. Never use any sharp objects to secure the cable, and be careful not to pierce the outer cable casing because it will negatively affect how your Kika Katalyst Wireless Mobile 4G/LTE Booster works.

Never use tools to secure your Kika Katalyst Wireless Mobile 4G/LTE Booster to the connector labeled EXT-ANT, as you could damage the Booster and could void your warranty.

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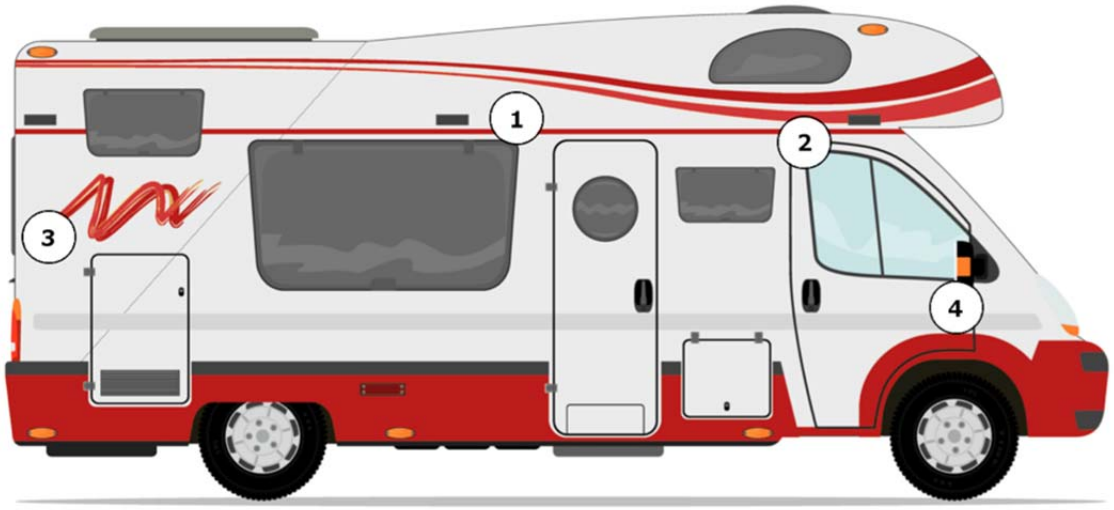
ANTENNA INSTALLATION FOR RV'S & LARGE TRUCKS



1) MIDDLE OF THE CEILING
2) ON THE FRONT WALL FACING BACK
3) ON THE BACK WALL FACING FORWARD
4) INTERNAL ANTENNA

The Kika Katalyst Wireless Mobile 4G/LTE Booster utilizes an interior antenna that require a horizontal separation of a minimum of eight (8ft.) feet and a minimum vertical separation of six (6ft) feet. The interior antenna must be installed no further than ten (8ft) feet from the device.

1. Select a suitable location inside your vehicle to place the antenna making sure the cable is able to your Kika Katalyst Wireless Mobile 4G/LTE Booster .
2. When you are installing a pannel, omni or patch antennas make sure that the antenna is pointed towards the inside of your vehicle and when using an omni antenna have a minimum of a 180-degreeline of sight in you vehicle.
3. Run the pannel, omni or patch antenna cable to the Consumer Mobile 50dB Wireless 4G/LTE Booster. Use extreme caution when using staples or any other fasteners to secure the cable and not to puncture the cable as it will cause the Consumer Mobile 50dB Wireless 4G/LTE Booster to cease functioning properly and power off.
4. Hand tighten the internal antenna cable to the Consumer Mobile 50dB Wireless 4G/LTE Booster at the connector labeled EXT-ANT.

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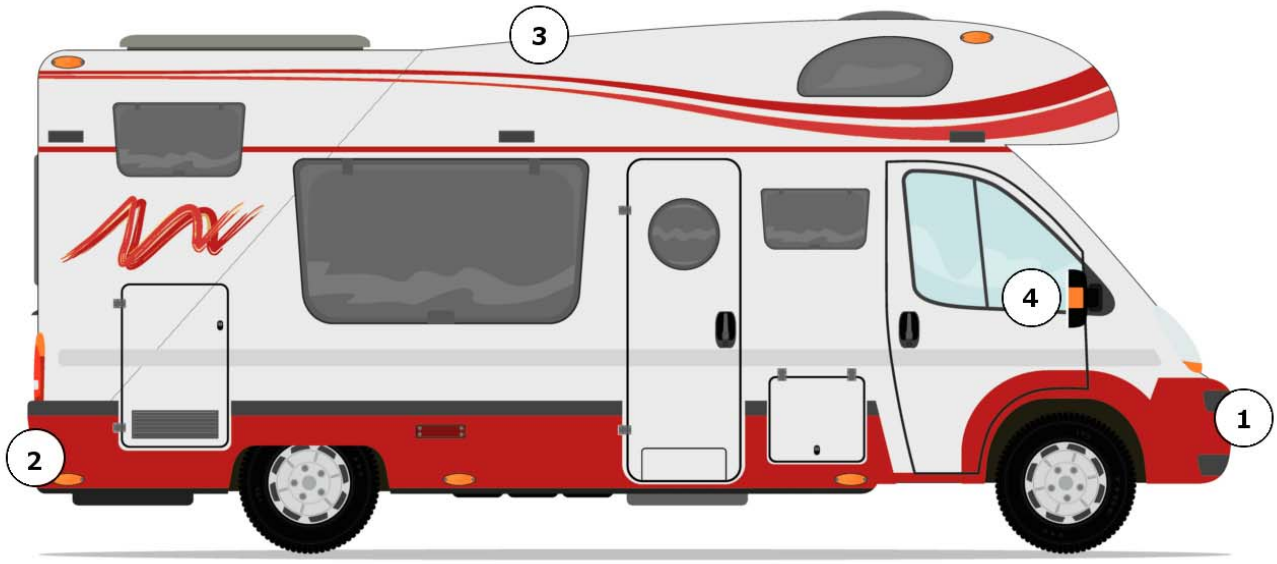
EXTERNAL MOBILE ANTENNA INSTALLATION FOR AUTOMO-BILES & SMALL TRUCKS



1) CORNER OF FRONT BUMPER
2) CORNER OF BACK BUMPER
3) MIDDLE TOP OF ROOF
4) ON EITHER SIDE MIRROR

This consumer Mobile 50dB Wireless 4G/LTE Booster utilizes antennas that require a horizontal separation of a minimum of eight (8ft.) feet and a minimum vertical separation of four (4ft.) feet. The external magnetic mount antenna MUST have a minimum of 180-degree line of sight with a minimum of ten (10”) inches above any obstructions.

Select a location on top on the roof, side mirrors or back of your RV or large truck.

Before placing the external Trucker or Omni antenna on the outside of your RV or large truck, make sure the antenna cable can reach your Kika Katalyst Wireless Mobile 4G/LTE Booster.

The external Trucker or Omni antenna does not require a ground plane.

Run the Trucker or Omni antenna cable to the Kika Katalyst Wireless Mobile 4G/LTE Booster. Use extreme caution when using staples or any other fasteners to secure the cable and not to puncture the cable as it will cause the Kika Katalyst Wireless Mobile 4G/LTE Booster to cease functioning properly and power off.

Hand tighten the external Trucker or Omni antenna cable to the Kika Katalyst Wireless Mobile 4G/LTE Booster at the connector labeled “EXT-ANT.”

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Connecting Your Kika Katalyst Wireless Mobile 4G/LTE Booster

Connect the USB power cable into the Kika Katylst Wireless Cellular 4G/LTE Booster at the spot labeled "POWER". Then plug the power cable receptacle into vehicle's power receptacle. When you see the green LED lights, this indicates your Kika Katylst Wireless Cellular 4G/LTE Booster is working and connected correctly.

Push the On/Off switch to get the unit working correctly as you should see a green LED light displayed.

If you see a red LED light on your Kika Katylst Wireless Cellular 4G/LTE Booster, your antennas are not placed correctly. Disconnect your power cable to the Kika Katylst Wireless Cellular 4G/LTE Booster, and increase one or both the distance between the external and internal antennas.

Reconnect the power cable into your vehicle's power supply. and push the on/off button on, if The green LED light is on, your Kika Katylst Wireless Cellular 4G/LTE Booster is functioning correctly. If the red LED light appears repeat the previous step as many times is necessary until a green LED light appears.

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KIKA M2M 1 YEAR LIMITED WARRANTY

Kika M2M warrants its products for one year from the date of purchase against defects in workmanship and materials. This warranty does not apply to any product determined by Kika M2M to have been misused, abused, neglect that alters or damages the product's physical or electronic performance.

Kika M2M makes no warranty whatsoever in respect to parts not supplied by Kika M2M. Using accessories not sold by Kika M2M will result in your warranty become immediately void and Kika M2M will be held harmless if the product causes any problems whatsoever.

Products returned by customers must be in their original, condition, shipped in the original packaging with original proof-of-purchase receipt, and a Return Merchandise Authorization (RMA) number printed clearly on the outside of the shipping container.

Purchaser will pay the cost of inspecting and testing any goods returned under the warranty or otherwise, which are found to meet the applicable specifications or which are not defective or not covered by this warranty.

Purchaser may obtain an RMA number for warranty returns by calling the Kika M2M at (800)338-1160. All returns received by Kika M2M without an RMA number clearly printed on the outside of the shipping container will be returned to sender.

In order to receive full credit for your purchase all materials and contents originally inside the packaging must be returned. Failure to return such items, each item missing will be deducted from Purchaser original purchase price.

When returning the Booster, the purchaser does not need to include accessories sold in addition to the signal booster, such as antennas or cables unless they are question a 100% refund.

The limit of liability under this warranty is, at Kika M2M's option, to repair or replace any product or part thereof which was purchased. Disassembly of any Kika M2M product by anyone other than an authorized representative of Kika M2M voids this warranty in its entirety.

Kika M2M reserves the right to make changes to any of its products without incurring any obligation to make the same changes on previously purchased products. Buyer will prepay shipping charges for products returned to Kika M2M for repair. Kika M2M will pay the return shipping only on products found to be defective. The Use of non Kika M2M antennas or cables will void your warranty. For additional Technical Support please visit www.kikaM2M.com Kika M2M, LLC 4050 NE 6th Ave., Oakland Park, FL 33334 (800)338-1160

Mobile External Antenna Kitting Configurations

1. EMM- 6321 Magnetic Mount w/12ft RG58 Cable
2. ELPN - 5822 Low Profile w/ 12ft RG 174U Cable
3. EWM - 4323 Window Mount w/10ft RG 58 Cable
4. E4MM - 6324 Magnetic Mount V2 w/12ft cable
5. EHPMM - 5856 HP Low Profile w/12ft RG174U Cable
6. ETA - 3162 Trucker w/ 10ft RG58 Cable
7. ESTA - 3122 Trucker V2 W/15ft RG58 Cable
8. FY9E - 7230 Uni Directional w/ 25ft RG 58 cable
9. FY14E – 7231 Uni Directional V2 w/ 25ft RG 58 cable
10. O32A - 8882 Omni Directional w/ 25ft RG 58 cable
11. O18A - 8889 Omni Directional V2 w/ 25ftRG 58 cable
12. O8A - 8883 Omni Directional V3 w/ 25ft RG 58 cable

Mobile Internal Antenna Kitting Configurations

1. IBA - 0321 Blade w/ 10ft RG 174 Cable
2. IPA - 0544 Patch w/10ft RG 174 Cable
3. ILPOA - 1954 Low Profile Omni w/25ft RG 58 Cable
4. IDC -7972 Omni
5. IDA - 9953 Dome Omni w/25ft RG 58 Cable
6. IDA2 - 9969 Dome v2 Omni w/25ft RG 58 Cable
7. IPA - 8734 Panel Directional w/ 50ft RG 58
8. IPA- 0544 Panel V2 Directional w/ 50ft RG 58
9. IDA - 9953 Dome Omni w/ 25ft RG58
10. IDA2 - 9969 Dome V2 Omni w/ 25ft RG58

Technical Specifications

Uplink	698 - 716	776 - 787	824 - 849	1850 - 1910	1710 - 1755
Downlink	728 - 746	746 - 757	869 - 894	1930 -1990	2110 - 2155
Modulation Type	LTE	LTE	LTE, GSM, HSDPA		LTE, HSDPA, CDMA
			CDMA, EVDO, EDGE		EVDO, EDGE
FCC Certification	FCC ID: 2AEQO-KATALYST				
Uplink Gain	49.47 dB				
Downlink Gain	49.10 dB				
Uplink Output Power	26.51 (dBm)				
Downlink Output Power	16.01 (dBm)				
VSWR (Noise Figure)	≤ 2.49				
AC Power	110 -240 VAC 50-60 Hz				
DC Power	12V 2A				
Operating Temperature	(-10□) - (175□)				
Antenna Impedance	50 Ω				
Dimensions	5" x 5"				
Weight	15 Ounces				
Isolation	> 90 dB				

Connectors	SMA Female