



**KX3000**



**MULTI-USE PORTABLE  
CELLULAR SIGNAL BOOSTER**

**User Manual**



## BEFORE YOU START



Read through this manual before installing  
or operating the KING Extend Go.

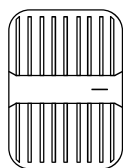
If you have any questions,  
call KING Customer Service at (952) 345-8147.

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## PACKAGE CONTENTS

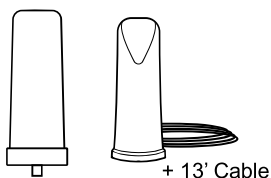
Signal Booster  
with Bracket



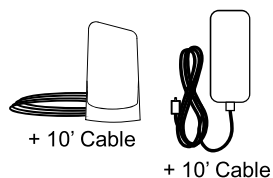
Adhesive  
Disc



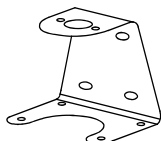
Antenna Set 2



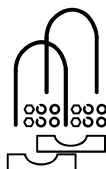
Antenna Set 1



Mounting  
Bracket

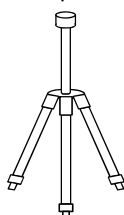


Ladder or  
Pole Mounting  
Hardware

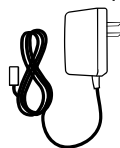


Tripod Bracket

Collapsible  
Tripod



AC/DC  
Power Supply



12VDC Power  
Supply



30' Cable



Instructions  
+ Registration Card

## OVERVIEW

The KING Extend Go is a cellular signal booster. It requires no additional activation or service plan. You simply set it up or install it as desired, connect power, and register it with your provider. It's now ready to use!

**For more information on registering your booster with your provider, see:**

**Sprint & T-Mobile:** <https://www.t-mobile.com/support/coverage/register-a-signal-booster>

**Verizon Wireless:** <http://www.verizonwireless.com/wcms/consumer/register-signal-booster.html>

**AT&T:** <https://securec45.securewebsession.com/attsignalbooster.com/>

**U.S. Cellular:** <https://www.uscellular.com/support/fcc-booster-registration>

The KING Extend Go comes with two sets of antennas.

Set 1 can be used on a vehicle, utilizing the magnetic base for easy mounting.

Set 2 can be: • Mounted to a vehicle roof with included bracket.  
• Mounted to a pole or ladder with included bracket  
• Set up temporarily using the tripod.

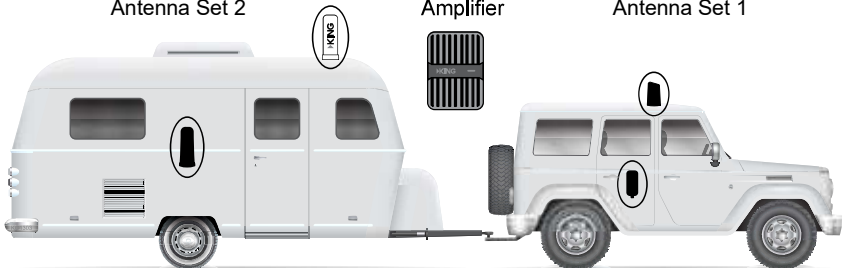
**TIP**

You use the same amplifier with each antenna set, therefore only one antenna set can be used at a time.

Antenna Set 2

Amplifier

Antenna Set 1



**OR**



**TIP**

Use outdoor antenna 2 either as a mounted antenna or as a temporary antenna using the included tripod. Example: Use the temporary tripod setup when at your fish house for the day!

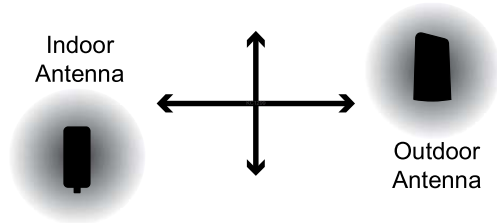
Tripod use: Attach the tripod bracket to the antenna with the supplied hardware. Attach bracket to tripod using the threaded knob.

# VEHICLE ANTENNA SET 1



Antennas connected to a booster create spheres of signal. When these spheres overlap, interference may occur and cause the booster to scale down its power or shut down to prevent damage.

**MAXIMIZE  
HORIZONTAL AND VERTICAL  
ANTENNA SEPARATION  
TO MINIMIZE  
SIGNAL OVERLAP.**

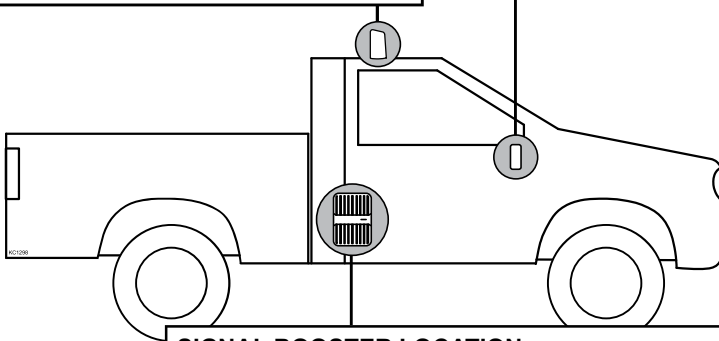


## INSIDE ANTENNA LOCATION

- Side of the seat or on the dash.
- At least 18 inches but no more than 36 inches from where the cellular device will be used.
- **DO NOT MOUNT WHERE AIR BAGS WILL DEPLOY.**

## OUTSIDE ANTENNA LOCATION

- Near center of the roof.
- At least 12 inches away from other antennas.
- At least 12 inches away from any window (including sun roofs).



## SIGNAL BOOSTER LOCATION

- Keep booster as far away from antennas as possible.
- The included bracket can be used to fasten booster in a specific location if desired. The Velcro strip on bottom of the bracket can also be used to keep booster from sliding around.
- The booster can be oriented in any direction.

## CABLE ROUTING OPTIONS

- Car/sedan: cable routed into rear side door.
- SUV/van/hatchback: cable routed into top of hatchback door.
- Truck: cable routed into side door.

**TIP**

The cable is strong enough that it may be routed under weather stripping and shut in most vehicle doors without damaging the cable.

## MOUNT OUTSIDE ANTENNA

1. Clean the surface where you will place the antenna.
2. Place antenna. The magnetic base will hold the antenna in place.



For aluminum roofs, use the included adhesive disk to secure the antenna in place.

## MOUNT INSIDE ANTENNA

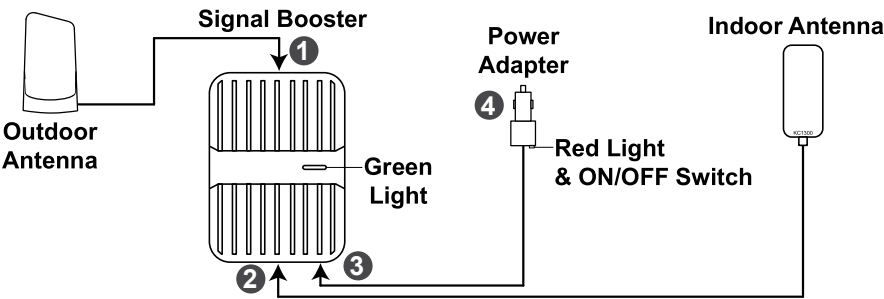
1. Use the Velcro adhesive strip or the 2-sided adhesive strip provided and attach to the side of the antenna labeled “MOUNTING SIDE.”
2. Mount the antenna.

## MAKE CONNECTIONS



Always connect cables first, and **POWER LAST**.  
Only use power adapter provided with this product.

- 1 Connect cable from outside antenna to port labeled “Outside Antenna” on the booster.
- 2 Connect cable from inside antenna to port labeled “Inside Antenna” on the booster.
- 3 Connect power adapter to booster.
- 4 Plug power adapter into vehicle power.



The booster will automatically power on when plugged in. If your booster is working correctly, the light on the power adapter will be red, and the light on the booster will be green.



If the 12V cigarette lighter port in your car is always on (even when your vehicle is turned off) and you will be parking for extended periods of time (more than a day), we recommend you turn the booster off by pushing the LED light on the power adapter, (which is also a button) or by unplugging the booster. This will prevent the booster from draining the battery in your vehicle.

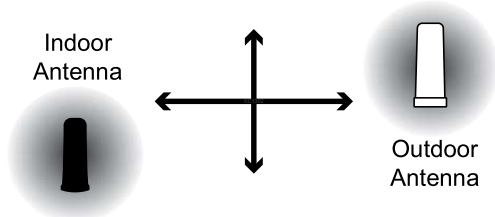
## PORTABLE / MOUNTABLE ANTENNA SET 2



Antennas connected to a booster create spheres of signal.

When these spheres overlap, interference may occur and cause the booster to scale down its power or shut down to prevent damage.

**MAXIMIZE  
HORIZONTAL AND VERTICAL  
ANTENNA SEPARATION  
TO MINIMIZE  
SIGNAL OVERLAP.**



**TIP**

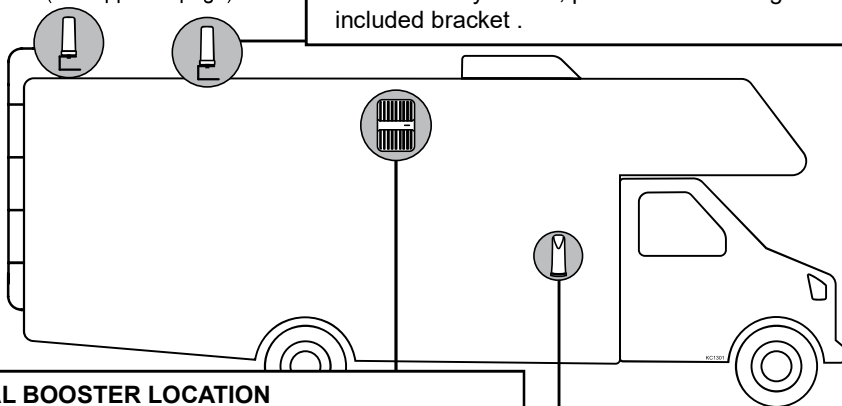
We recommend you do a “soft install” first by placing all components in their chosen locations, completing the setup instructions, and verifying the system works as desired.

(Route the cable through an open door or window for the soft install.)

### OUTSIDE ANTENNA LOCATION

- Must be completely above roof line.
- Must not exceed maximum vehicle height restrictions.
- Locate as far from metal obstructions as possible.
- Mount directly to roof, pole or ladder using included bracket .

Ladder Mount **OR** Roof Mount  
(see opposite page)



### SIGNAL BOOSTER LOCATION

- Keep booster as far away from antennas as possible.
- The included bracket can be used to fasten booster in a specific location if desired. The Velcro strip on bottom of the bracket can also be used to keep booster from sliding around.
- Place in an accessible location and near 110 VAC power source.
- Booster can be oriented in any direction.

### INSIDE ANTENNA LOCATION

- Best when used within 4-10' of cellular device.
- Must be at least 36" from all active users.

## OUTSIDE ANTENNA MOUNTING OPTIONS

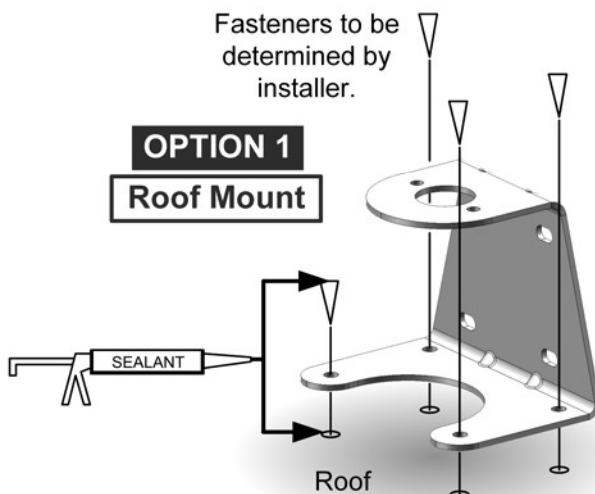
### ANTENNA FASTENS TO BRACKET THE SAME WAY FOR OPTIONS 1 & 2

With either mounting option,  
the antenna fastens to the bracket with  
(2) supplied sets of washers and screws.

Fasteners to be  
determined by  
installer.

#### OPTION 1

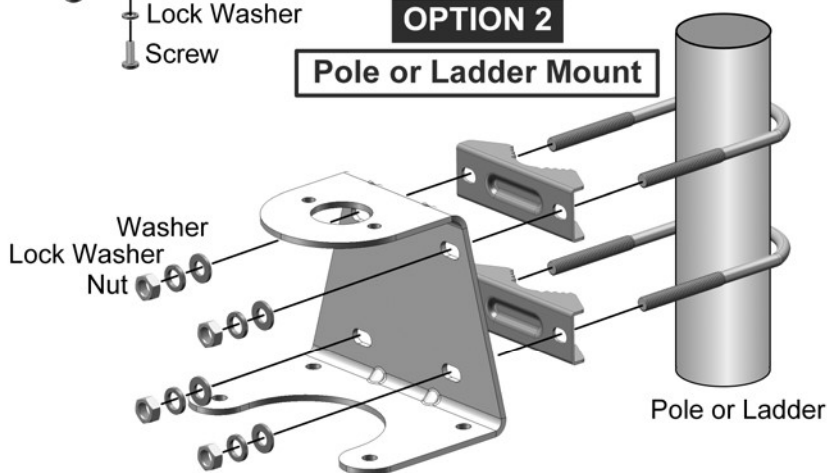
##### Roof Mount



**! All roof holes and fastener heads must be sealed with roof-compatible sealant.**

#### OPTION 2

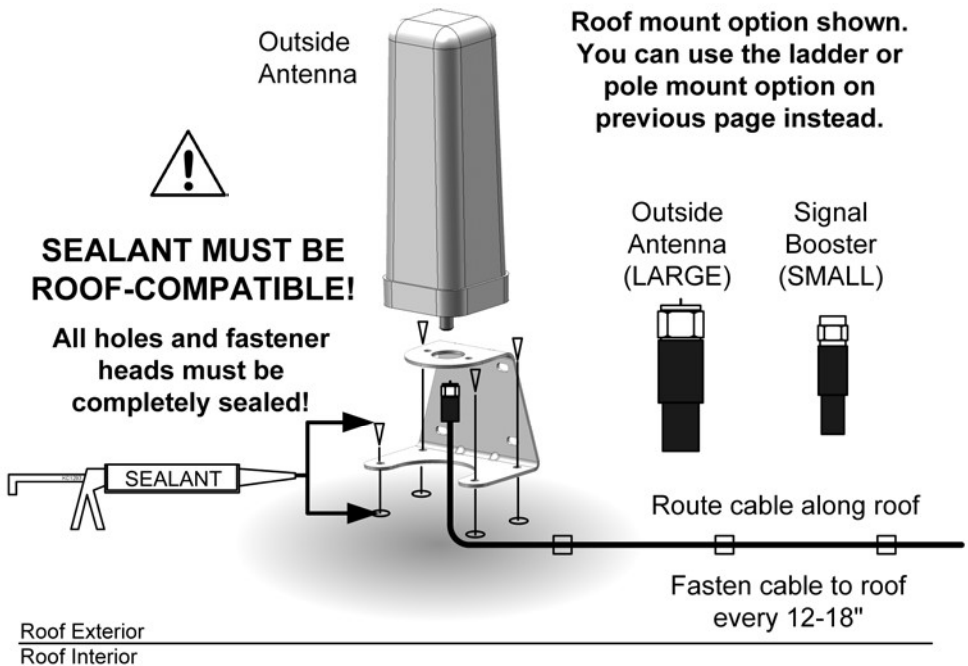
##### Pole or Ladder Mount



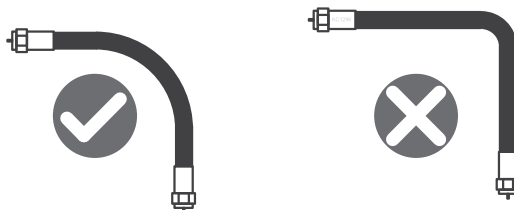
## INSTALLATION

It is up to the installer to determine the best component locations and fasteners.

1. Fasten the outside antenna to the mounting bracket with the supplied screws and washers (see page 7).
2. Connect the separate cable to the antenna (**LARGE CONNECTOR**).
3. Apply roof-compatible sealant around the areas where the bracket fasteners will penetrate the roof.
4. Fasten bracket to roof. Make sure fastener holes and fastener heads are properly sealed.



## AVOID SHARP BENDS WHEN ROUTING COAX!





5. Route the cable to where it will enter the vehicle.



Make sure to avoid any cabling, pipes, etc. that may be damaged by drilling.

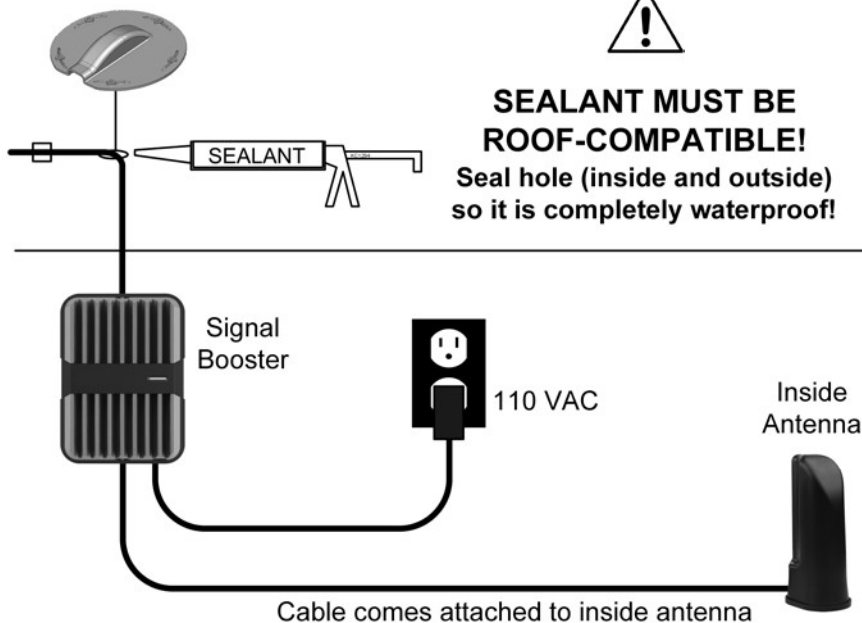
6. Drill an appropriately sized hole and feed the cable into the vehicle.
7. Seal the roof hole so it is completely waterproof (inside and outside). Fasten cable to roof every 12-18 inches.
8. Inside, place the booster in desired location or install the booster to a wall. Connect cable to the booster.
9. Connect inside antenna cable to booster. Place inside antenna in position as far from outside antenna and booster as possible.
10. Plug booster into power source.

**TIP** If using the included booster mounting bracket, remove the booster from the bracket. Fasten bracket to wall, then snap booster back into bracket.

The KING Cable Entry Cover provides additional protection against water intrusion. See the satellite accessories page at [kingconnect.com](http://kingconnect.com)

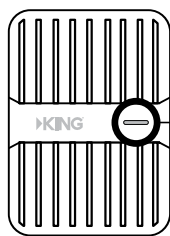


**SEALANT MUST BE ROOF-COMPATIBLE!**  
Seal hole (inside and outside) so it is completely waterproof!

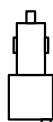


# SIGNAL BOOSTER LIGHT

After making all connections, the signal booster will automatically power on and the signal booster light will be green. If using the power adapter with antenna set 1, the power adapter light will be red.



Signal Booster Light



Power Adapter Light & ON/OFF Switch

## SOLID GREEN

This indicates your booster is functioning properly and there are no issues with installation.

## BLINKING RED, THEN SOLID GREEN

This indicates one or more of the booster bands has reduced power due to a minor feedback loop condition called oscillation. This is a built-in safety feature to prevent harmful interference with a nearby cell tower. If you are already experiencing the desired signal boost, then no further adjustments are necessary. If you are not experiencing the desired boost in coverage, then refer to the troubleshooting section on the next page.

## SOLID RED

This is due to a major oscillation (feedback) loop. This is a built-in safety feature that causes a band to shut off to prevent harmful interference with a nearby cell tower. Refer to the troubleshooting section on the next page.

## LIGHT OFF

If the signal booster light is off, verify your power supply has power. If using antenna set 1 and the cigarette power adapter, make sure it is turned on and the light is red.



The red light on the cigarette power adapter is also an on/off switch.

# TROUBLESHOOTING

## FIXING BLINKING OR SOLID RED BOOSTER LIGHT ISSUES

**This section is only applicable if the signal booster light is red or blinking red and you are not experiencing the desired signal boost.**

1. Unplug the signal booster's power supply/power adapter.
2. Relocate the inside and outside antennas further away from each other. The objective is to increase the separation between them so their spheres of signal will not overlap and cause interference as discussed on page 4.
3. Plug power supply/power adapter back in.
4. Monitor the indicator light on your signal booster. If after a few seconds of "power on", a solid blinking red light appears, repeat steps 1 through 3. Increase the separation distance until the condition is corrected and/or desired coverage area is achieved.



Increasing vertical separation between antennas typically improves isolation better than increasing horizontal separation.

**Need help? KING Customer Service: (952) 345-8147**

## SAFETY GUIDELINES

**Use only the power supply and power adapter provided with this product.**  
**Use of any other power supply/adapters may damage your equipment.**

Indoor antenna (antenna set 1) must be at least 18 inches from all active users.  
Indoor antenna (antenna set 2) must be at least 36 inches from all active users.

Connecting the signal booster directly to the cell phone with use of an adapter will damage the cell phone.

RF Safety Warning: Any antenna used with this device must be located at least 8 inches from all persons.

**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 the manufacturer. Antennas **MUST** be installed at least 8 inches from any person.

You **MUST** cease operating this device immediately if requested by the FCC or licensed service provider.

**WARNING:** E911 location information may not be provided or may be inaccurate for calls served by using this device.

# SPECIFICATIONS

Model	470061				
FCC	PWO460061				
Connectors	SMB-Jack				
Antenna Impedance	50 Ohms				
Frequency	698-716 MHz, 728-756 MHz, 777-787 MHz, 824-894 MHz, 1850-1995 MHz, 1710-1755/2110-2155 MHz				
Power output for single cell phone (Uplink) dBm	700 MHz Band 12/17 25.4	700 MHz Band 13 25.6	800 MHz Band 5 25.6	1700 MHz Band 4 26.7	1900 MHz Band 25/2 26.9
Power output for single cell phone (Downlink) dBm	4.8	4.8	4.8	4.6	4.5
Noise Figure	5 dB (nominal)				
Isolation	>90 dB				
Power Requirements	5 V, 4.5 A				

4021001

Each signal booster is individually tested and factory set to ensure FCC compliance. The signal booster cannot be adjusted without factory reprogramming or disabling the hardware. The signal booster will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the signal booster is not in use for five minutes, it will reduce gain until a signal is detected. If a detected signal is too high in a frequency band, or if the signal booster detects an oscillation, the signal booster will automatically turn the power off on that band. For a detected oscillation the signal booster will automatically resume normal operation after a minimum of one minute. After five such automatic restarts, any problematic bands are permanently shut off until the signal booster has been manually restarted by momentarily removing power from the signal booster. Noise power, gain, and linearity are maintained by the signal booster's microprocessor.

This device complies with Part 15 of FCC rules. Operation is subject to 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. Changes or modifications not expressly approved by weBoost could void the authority to operate this equipment.

## LIMITED WARRANTY

The KING Extend Go is warranted for two (2) years against defects in workmanship and/or materials. Should any trouble develop during the warranty period, contact KING at (952) 345-8147. You must contact KING before the warranty period expires. The customer must supply proof of purchase (such as a dated sales receipt) when requesting warranty service. If the customer cannot supply proof of purchase, warranty period shall start 30 days after date of manufacture.

Warranty claims for KING Signal Boosters are processed by Wilson Electronics ("Wilson") according to the warranty policy outlined below.

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. KING and Wilson shall, at their option, either repair or replace the product.

This warranty does not apply to any Signal Boosters determined by KING or Wilson to have been subjected to misuse, abuse, neglect, or mishandling that alters or damages physical or electronic properties. Replacement products may include refurbished Wilson products that have been recertified to conform with product specifications. RMA numbers may be obtained by contacting KING Customer Support at (952) 345-8147.

In no event shall KING or Wilson be liable for any indirect, incidental, or consequential damages from the sale or use of the product. This disclaimer applies both during and after the term of this warranty.

KING disclaims liability for any implied warranties, including implied warranties of "merchantability" and "fitness for a specific purpose," after the term of this warranty.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

**DISCLAIMER:** The information provided is believed to be complete and accurate. However, no responsibility is assumed by KING or Wilson 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.



**Simply better, by design.<sup>™</sup>**



This product is covered by U.S. patent(s) and pending application(s).  
For patents go to: [weboost.com/us/patents](https://weboost.com/us/patents).

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