



VQ4100 Owner's Manual

This manual contains detailed information on your KING Quest.

To start watching TV right away,
use the Quick Reference Guide.



For DIRECTV®

IMPORTANT!

The KING Quest will not work with SWM only receivers nor will it receive channels broadcast from DIRECTV's Ka band satellites at 99° and 103°.

The satellite TV market is expanding and changing. The information in this manual was accurate at the time of printing. If your KING Quest Satellite Antenna does not operate as outlined in this manual, please call KING at (952) 922-6889 or visit our website at www.kingconnect.com. KING is not responsible for changes outside of its control.

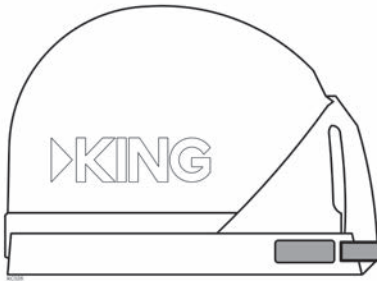
PRODUCT REGISTRATION

To provide ongoing technical support and to better facilitate warranty processing, please register your product at www.kingconnect.com/products/product-registration/.



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	<p>PURCHASE DATE</p> <p>____/____/____ Month Day Year</p> <p>Record your serial number here.</p> <div></div>
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DIRECTV is a registered trademark of DIRECTV, L.L.C.
KING Quest is a trademark of Electronic Controlled Systems, Inc. which is not affiliated with DIRECTV, L.L.C.
KING and Dome Magic are registered trademarks of Electronic Controlled Systems, Inc. which is not affiliated with DIRECTV, L.L.C.

1 INTRODUCTION

Thank you for purchasing a KING antenna!

This KING Quest is specifically designed to work with the DIRECTV 101 satellite to receive your favorite SD programming from DIRECTV.

The KING Quest may be used as a portable satellite antenna or as a roof mounted antenna (see Section 6 for roof installation instructions).

SAFETY INFORMATION

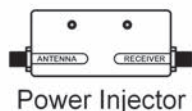
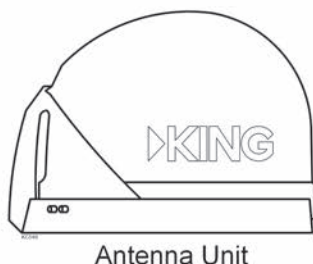
1. Please read this Owner's Manual thoroughly before using the KING Quest.
2. Keep this Owner's Manual and the included Quick Reference Guide in a safe place for future reference.
3. Follow all instructions and warnings. Set up and operate the KING Quest in accordance with the instructions.
4. Always handle the KING Quest product carefully. Do not drop the KING Quest. Avoid excessive shock or vibration to the KING Quest.
5. Use caution when carrying the KING Quest. Always carry the KING Quest by the handle.
6. Do not operate near any indoor or outdoor heat source such as radiators, heat registers, stoves, barbecues, campfires, or other items that produce heat.
7. Do not stack the KING Quest on top of or below other electronic devices as this can cause heat buildup or block the satellite signal from reaching the KING Quest.
8. Keep the enclosure clean from dirt, bugs, and other debris by hand washing with mild soap and water.
9. Do not power wash the KING Quest. Do not submerge the KING Quest or place in standing water.
10. To avoid risk of electrical shock, unplug the power injector before connecting the KING Quest in damp or wet conditions.
11. Do not remove the cover of the KING Quest without prior authorization. Doing so will void the Limited Warranty.
12. Do not coat or paint the KING Quest with any substance. (KING *Dome Magic*® may be applied to the KING Quest to help keep snow and rain from building up on the surface.)
13. Tighten all of the coax cable connections only by hand. If you use a wrench, you may over tighten the connections and damage your equipment.
14. Servicing may be required if the unit has been dropped or damaged in any way or if the unit does not operate normally. Call the KING Service Department at (952) 345-8147.

The KING Quest has been designed to be maintenance and trouble free. If not using the KING Quest for long periods of time, it is recommended that you set up the system on a quarterly basis (every three months) to keep all moving parts of the KING Quest in good working order.

If you have any comments or questions, please contact the KING Service Department at (952) 345-8147, or by email at help@kingconnect.com.

Unbox your KING Quest and verify all components are present.

KING Quest Box Contents

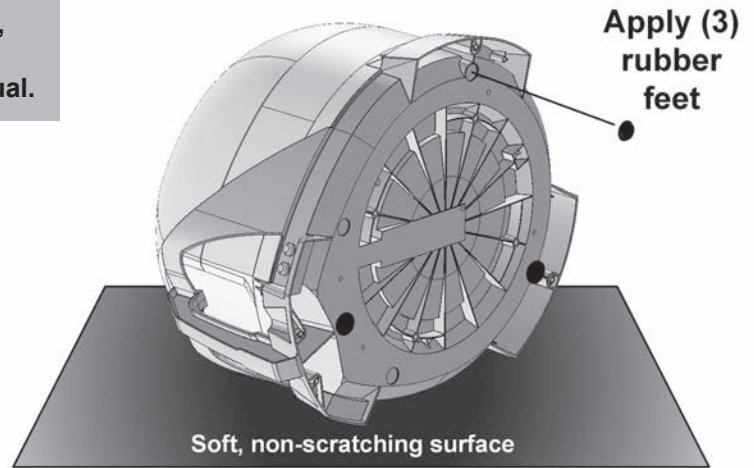
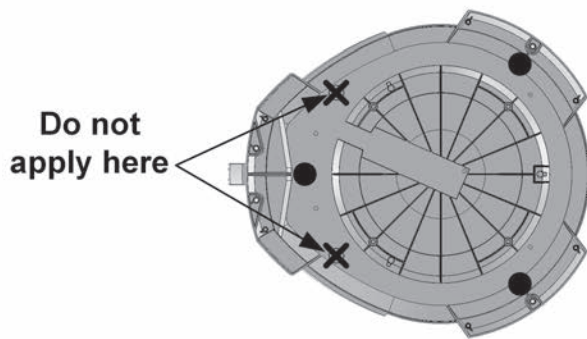


2 APPLY RUBBER FEET TO ANTENNA UNIT

Lay the antenna unit on a soft, non-scratching surface, and apply the (3) rubber feet.

IMPORTANT!

If you are going to roof mount the antenna unit, **DO NOT** apply the rubber feet. See the roof installation section later in this manual.



3 SET UP TV AND RECEIVER

Set up your TV and receiver.

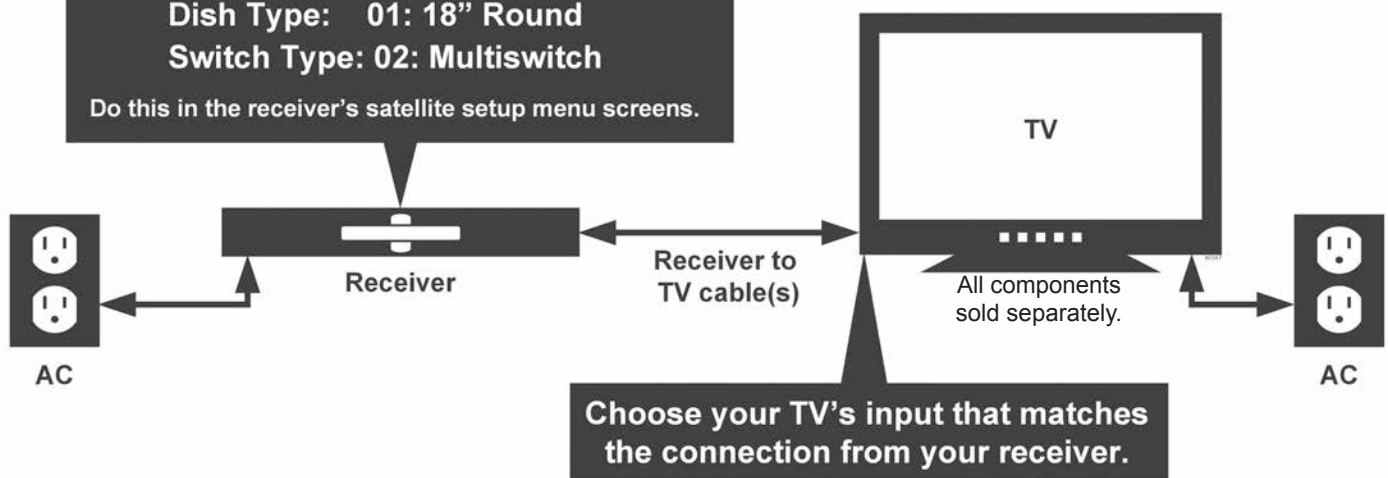
IMPORTANT! The KING Quest will not work with SWM only receivers.
For a list of compatible receivers, see www.kingconnect.com/dtv-receivers.



Receiver must be configured as follows:

Dish Type: 01: 18" Round
Switch Type: 02: Multiswitch

Do this in the receiver's satellite setup menu screens.



You must configure the receiver as shown above. Once completed, the receiver will default to these settings unless they are changed.

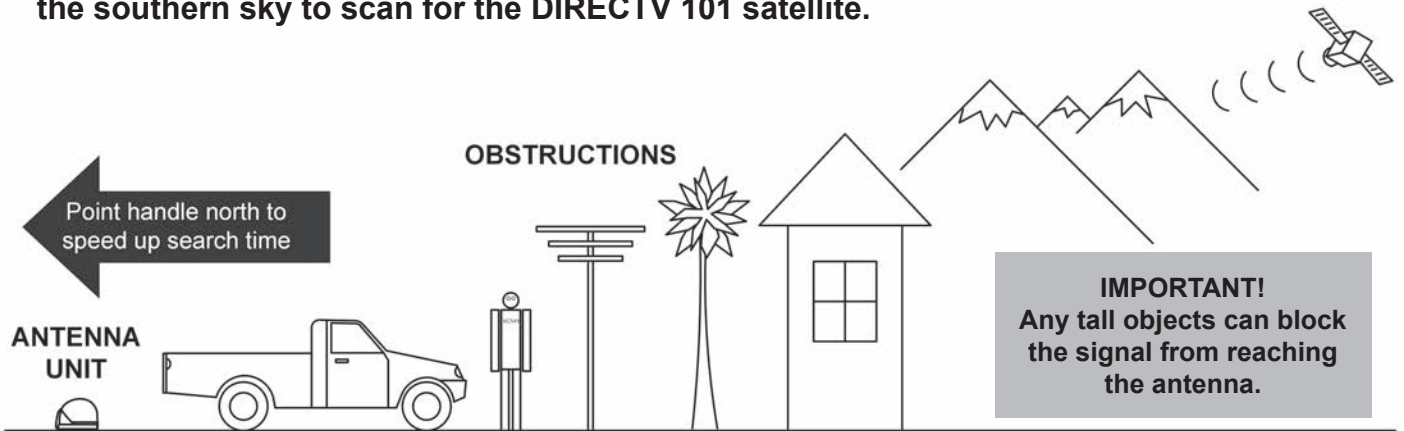
You must have a DIRECTV programming subscription.

The KING Quest will not receive channels broadcast from DIRECTV's Ka band satellites at 99° and 103°.

4 OPERATION

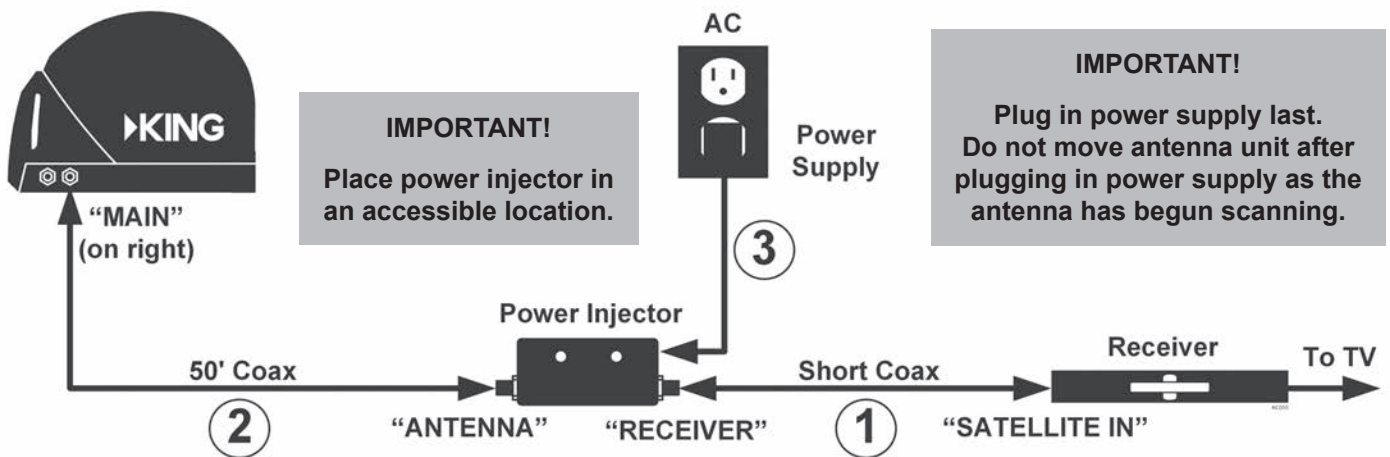
Place the antenna unit in a position with a clear view of the southern sky to scan for the DIRECTV 101 satellite.

SATELLITE IN SOUTHERN SKY



Place the KING Quest on a stable and reasonably level surface with a clear view of the southern sky. When placing the KING Quest in position, be sure surface is dry and free of loose dirt or sand.

Make connections 1-3 in the order shown.

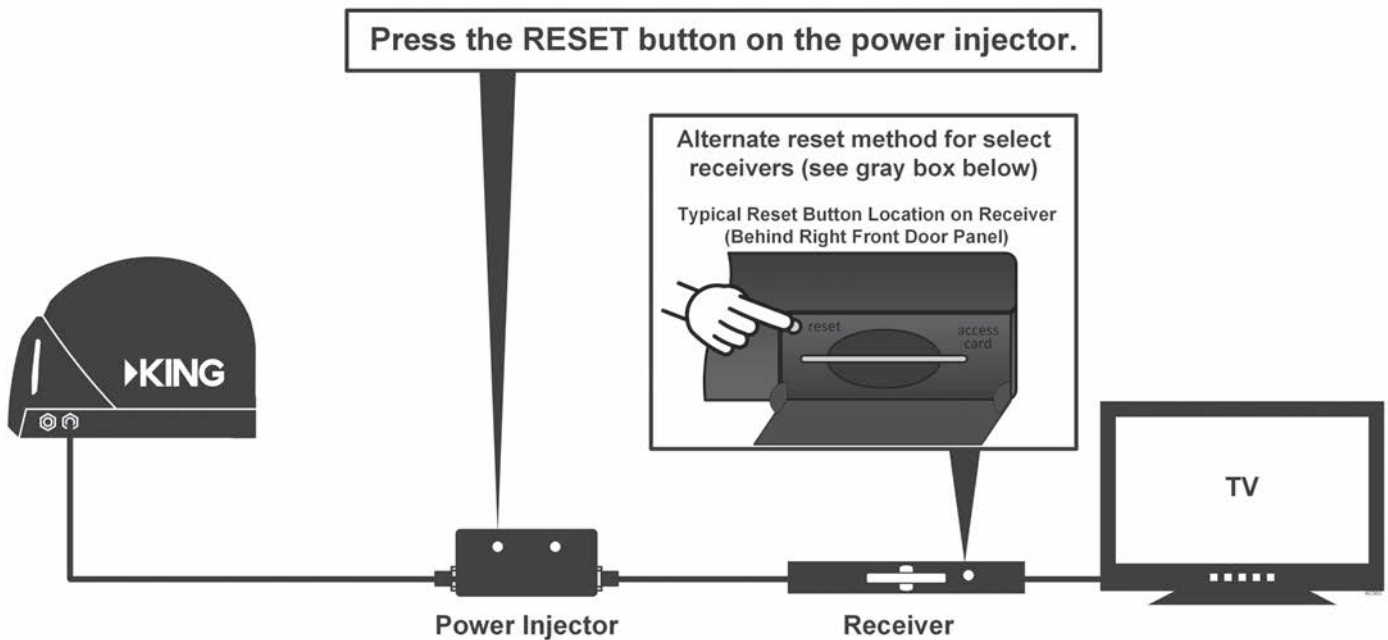


Do not over tighten the coax connections.
Do not route the coax cable where it can be tripped on or run over by a vehicle.
Do not put sharp bends or kinks in the coax cable.

When all connections are made, the antenna unit will scan for the DIRECTV 101 satellite.

When the satellite is found, your programming will appear. Enjoy!

If you wish to start a new scan (for example, the unit gets moved and you lose reception):



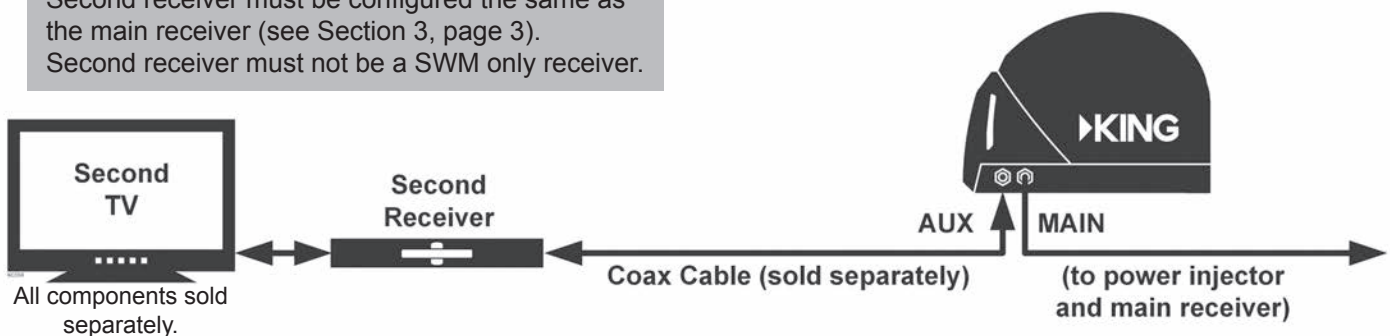
Pressing the power injector's RESET button is the preferred method to start a new scan, but there are two alternate methods as well:

- Disconnect and reconnect the coax from the MAIN port on the antenna unit.
- Press the RESET button on the receiver (this option works for select receivers only, such as models D12, H24, and HR24).

5 USING A SECOND RECEIVER

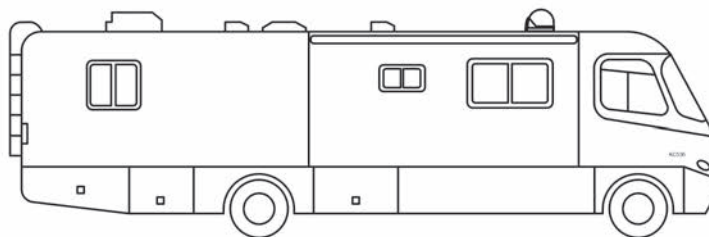
You can connect a second receiver and TV to the AUX port on the antenna unit.

Second receiver must be configured the same as the main receiver (see Section 3, page 3).
Second receiver must not be a SWM only receiver.

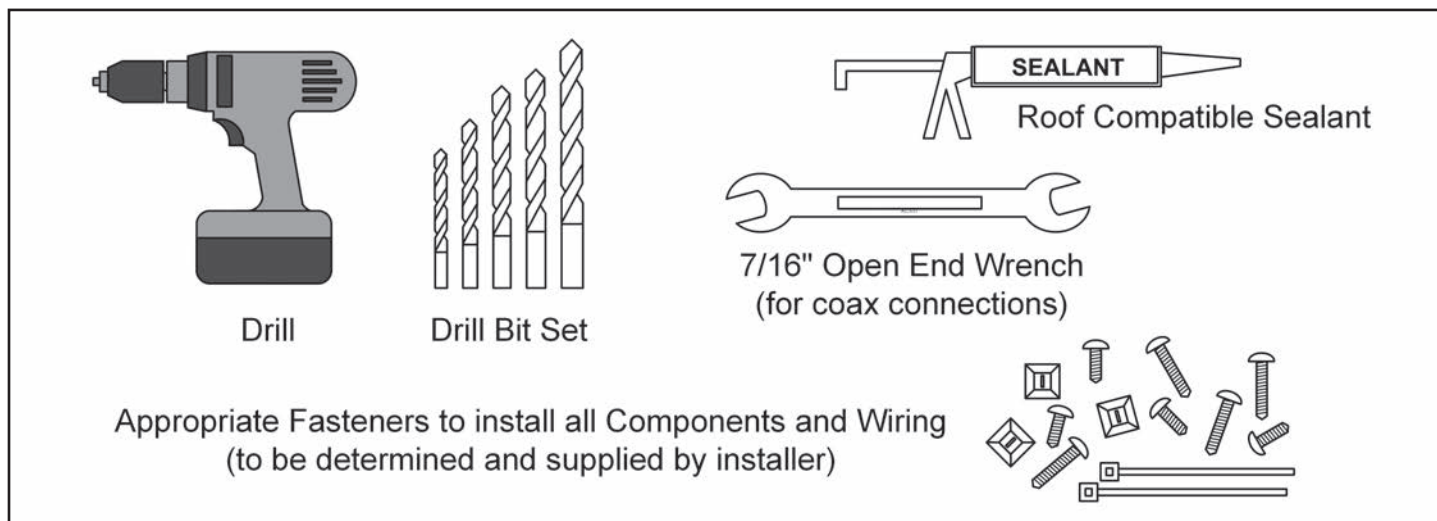


If your main receiver has a second "satellite in" port and built in DVR, you can connect this input to the AUX port to record programs on a different channel than the one you are watching.

6 ROOF INSTALLATION



1. Make sure you have the following tools and materials before starting.



NOTE: Many RVs are pre-wired with RG-6 coax cable for satellite antennas. Contact the manufacturer of your RV or your local RV dealer to verify where this cable is located.

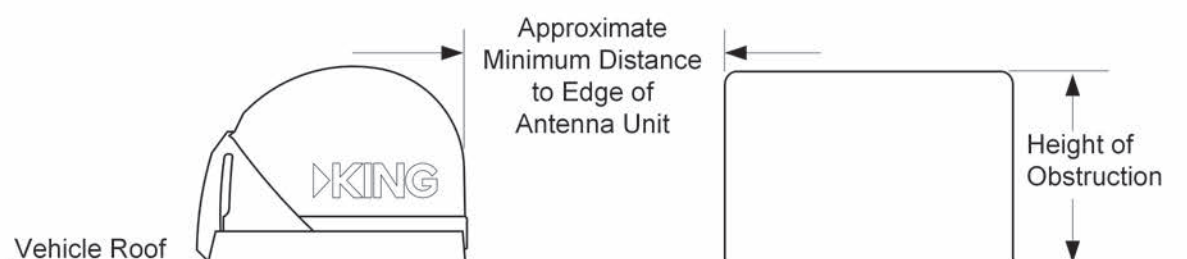
If pre-wired, run the existing coax cable from the pre-wire location in the roof to the antenna unit. When choosing the antenna unit location, make sure the pre-wiring will reach the antenna unit.

ANTENNA UNIT LOCATION (See Illustration on next page)

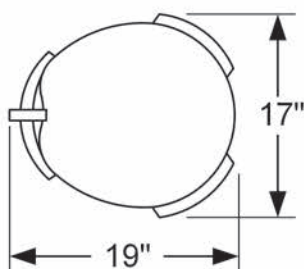
2. Select an area on the roof for the antenna unit and the location where the wiring will enter the vehicle through the roof to the satellite receiver inside using the following criteria:
 - A shorter distance between the antenna unit and the satellite receiver is most desirable.
 - Make sure you have enough room to mount the antenna unit.
 - The antenna unit should be mounted on the center line of the vehicle, and not tilted more than 2 degrees in any direction.
 - There must be no “line of sight” obstructions. Air conditioning units, other antennas, and storage areas that are too close to the antenna unit may prevent the satellite signal from reaching the antenna unit.
 - Mount the antenna unit with the handle to rear of the vehicle.

ANTENNA UNIT LOCATION

HEIGHT OF OBSTRUCTION	APPROXIMATE MINIMUM DISTANCE TO EDGE OF ANTENNA UNIT
10"	8"
11"	10"
12"	12"
13"	14"
14"	16"
15"	18"
16"	20"

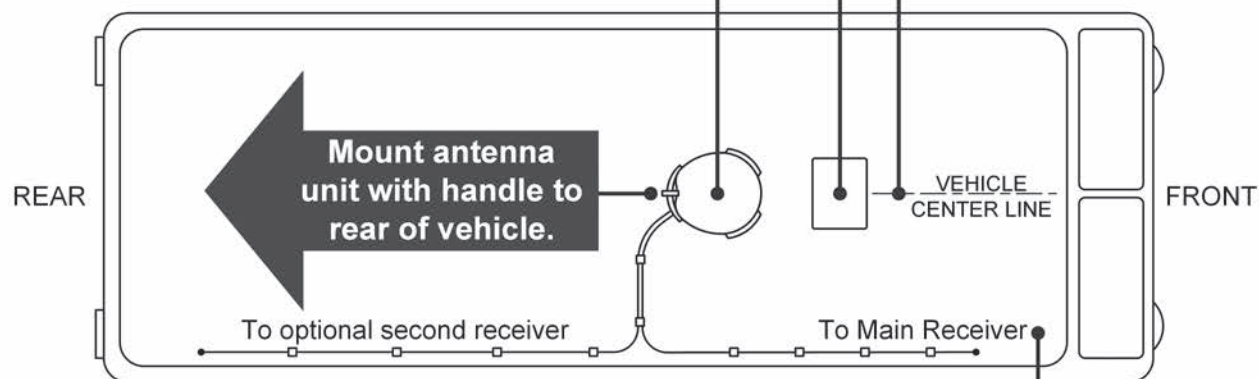


Do not mount antenna unit too close to obstructions.



Choose a location with adequate space.

Mount antenna unit on center line of vehicle.



Try to install antenna unit as close as possible to main receiver to minimize coax length.

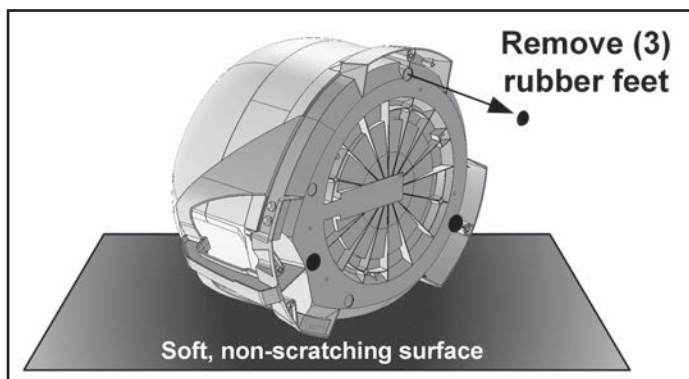
NOTE: The installer is responsible for determining the most appropriate fastener to secure the antenna unit to the roof. Depending on the roof material, fasteners such as lag screws, well nuts, sheet metal screws, toggle bolts and T anchors may be used, and should always be used in combination with a roof compatible sealant.

IMPORTANT! The installer is responsible for weatherproofing all holes with sealant.

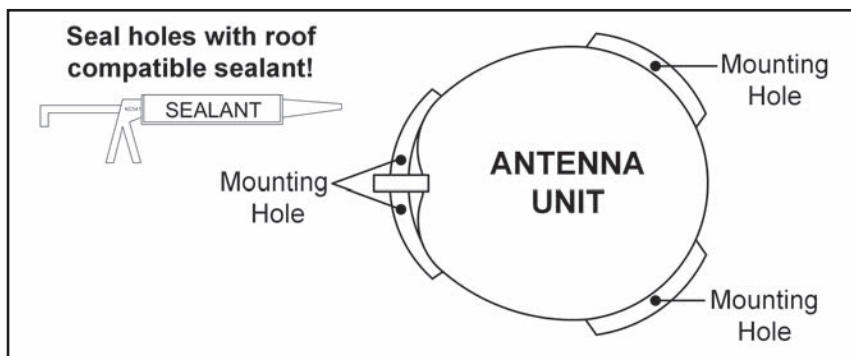
3. If the rubber feet have been installed, lay the unit on a soft, non-scratching surface and remove them from the bottom of the unit.

DO NOT INSTALL UNIT ON ROOF WITH RUBBER FEET IN PLACE.

For roof mounting, do not apply the rubber feet. If present, remove rubber feet.
MOUNTING TO ROOF WITH RUBBER FEET VOIDS WARRANTY.



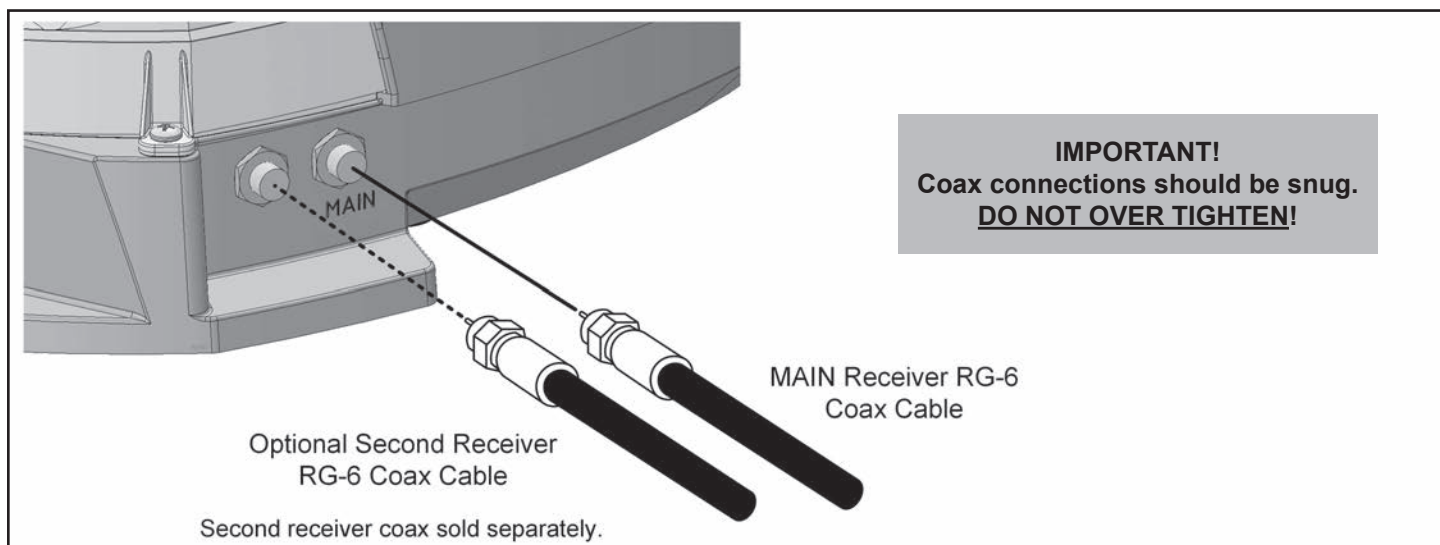
4. Mount the antenna unit using the (4) mounting holes. Make sure to seal mounting holes with roof compatible sealant.



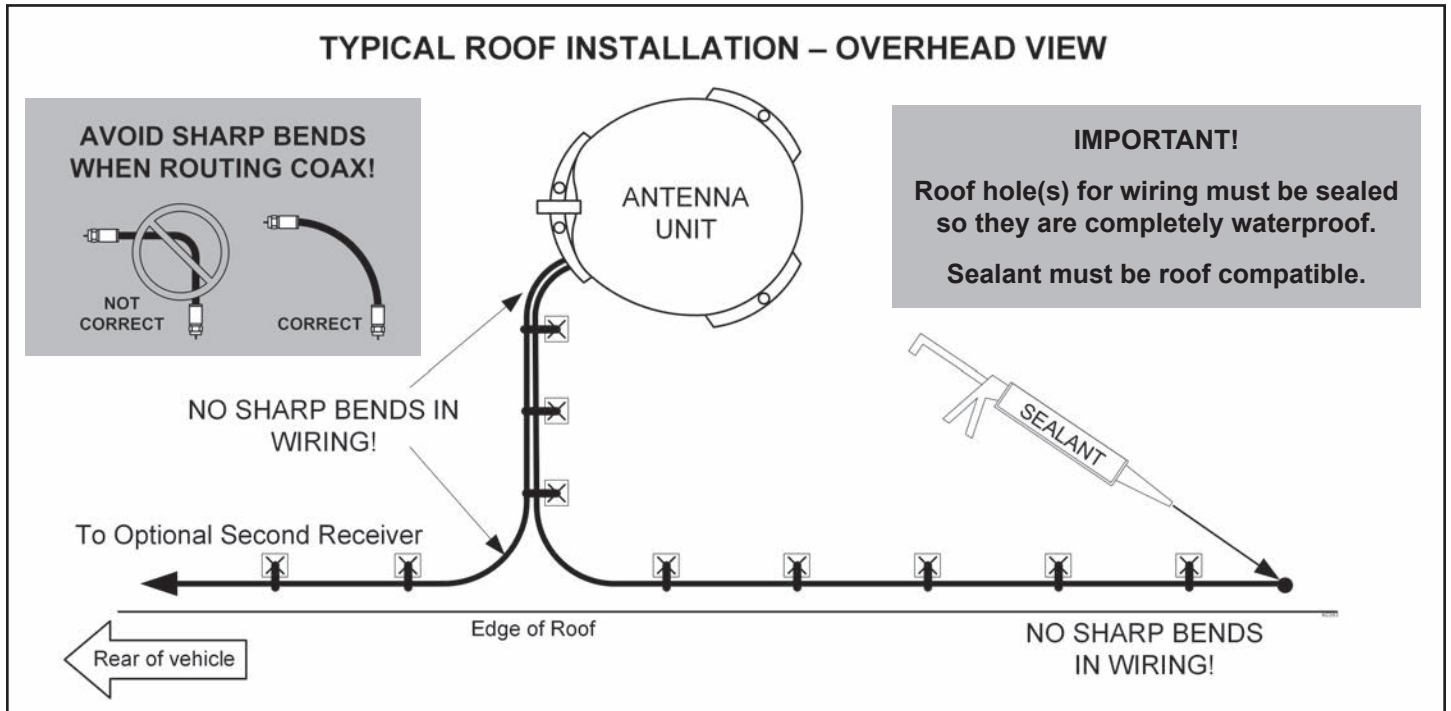
NOTE: There are two coax ports on the back of the antenna unit. The one labeled “MAIN” **MUST** be connected to the main receiver in vehicle. The one labeled “AUX” can be used for an additional receiver if desired.

5. Connect one end of 50 foot coax cable to the MAIN port and tighten connection (see below).
DO NOT OVER TIGHTEN.

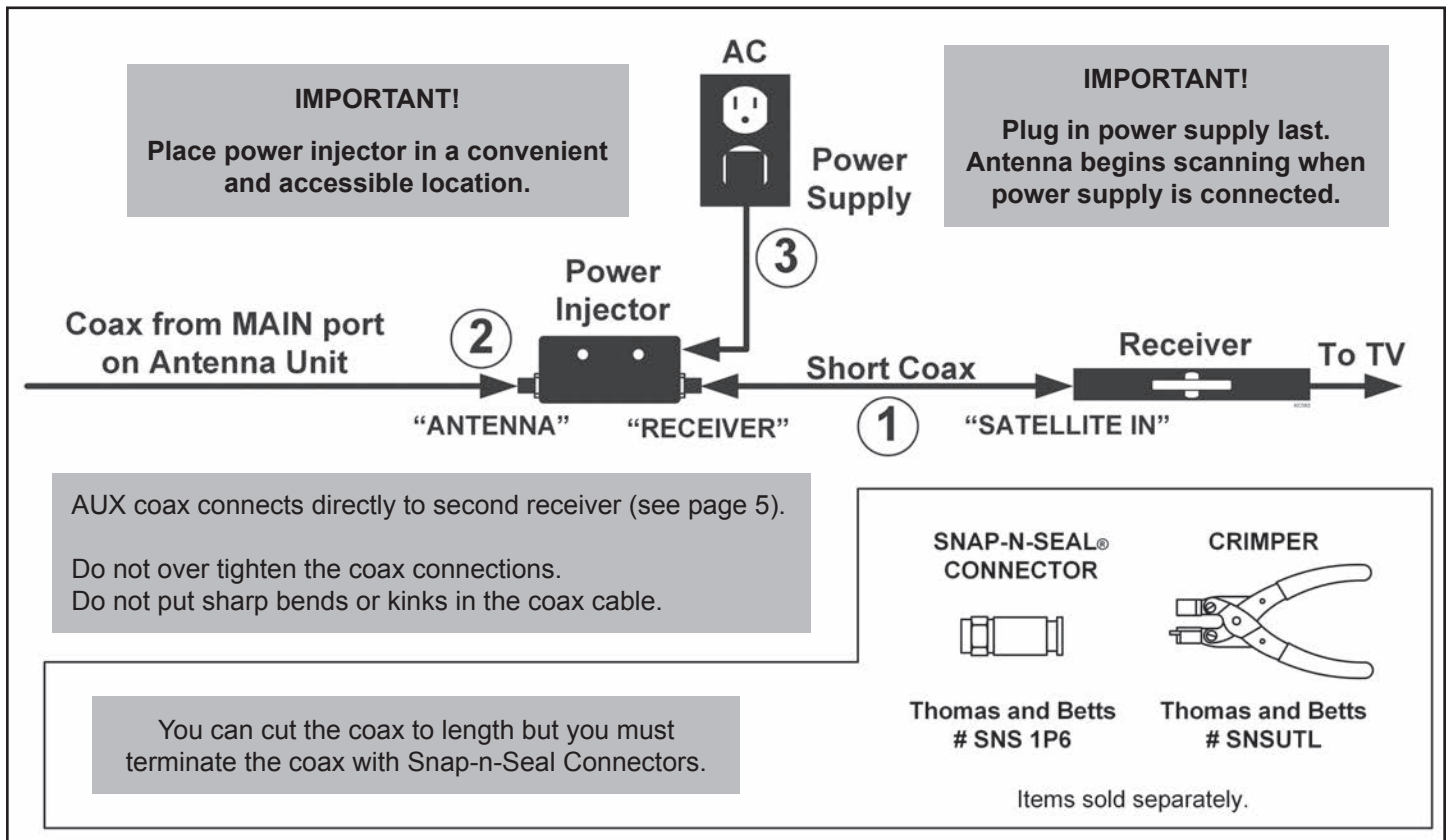
If using a second receiver, connect end of second coax (sold separately) to the AUX port. Tighten connection. **DO NOT OVER TIGHTEN.**



6. Run coax from the antenna unit to the roof edge, then along edge to location where coax will be fed into the vehicle. If installing an optional second receiver, run second coax to location where it will enter the vehicle. Secure (both) coax to roof every 12-18 inches (see below).
7. Drill 3/4" hole through the roof and into the cabinet where receiver is stored. Feed coax down through hole. Seal opening with roof compatible sealant so that it is completely waterproof (inside and outside of the 3/4" hole). Repeat for second coax if present.



8. Inside vehicle, make connections 1-3 in order shown below.



7 TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	COURSE OF ACTION
Antenna unit does not scan for satellites.	No power to antenna unit. Antenna unit needs to be reset.	Make sure antenna unit is connected to power injector. Make sure power injector is powered (LED will be lit). Press RESET on power injector.
Antenna unit scans but no picture on TV.	Improper connections made.	Make sure antenna unit is connected to power injector, and power injector is plugged in. Make sure powered receiver is connected to power injector and TV.
Antenna unit scans but does not find satellite.	Line of sight obstruction.	Move antenna unit to have a clear view of the southern sky. Press RESET on power injector to start a new scan.
Picture on TV goes in and out.	Temporary obstruction of signal.	Heavy rain or snow may cause loss of signal. Reception will improve as weather clears. Make sure nothing is temporarily blocking view to the southern sky (like tree branches blowing in the wind).

8 SECURITY FEATURE

The KING Quest can be secured to an object using a cable looped thru the handle.



NOTE:

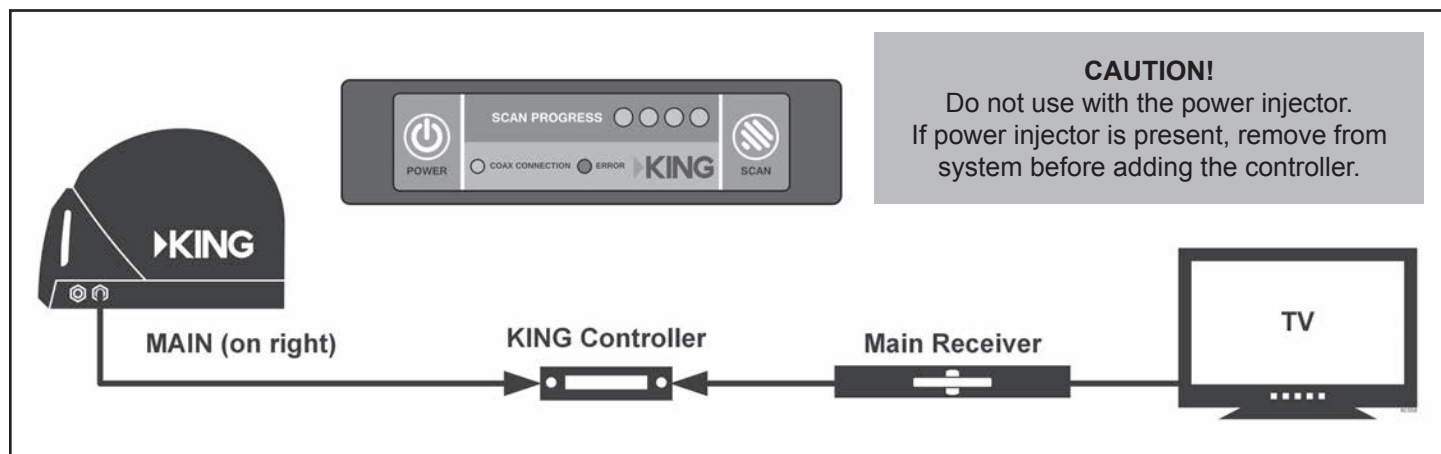
The optional KING Controller can be used as an alarm to deter theft as well (see next page).

9 ACCESSORIES (SOLD SEPARATELY)

KING UC1000 CONTROLLER

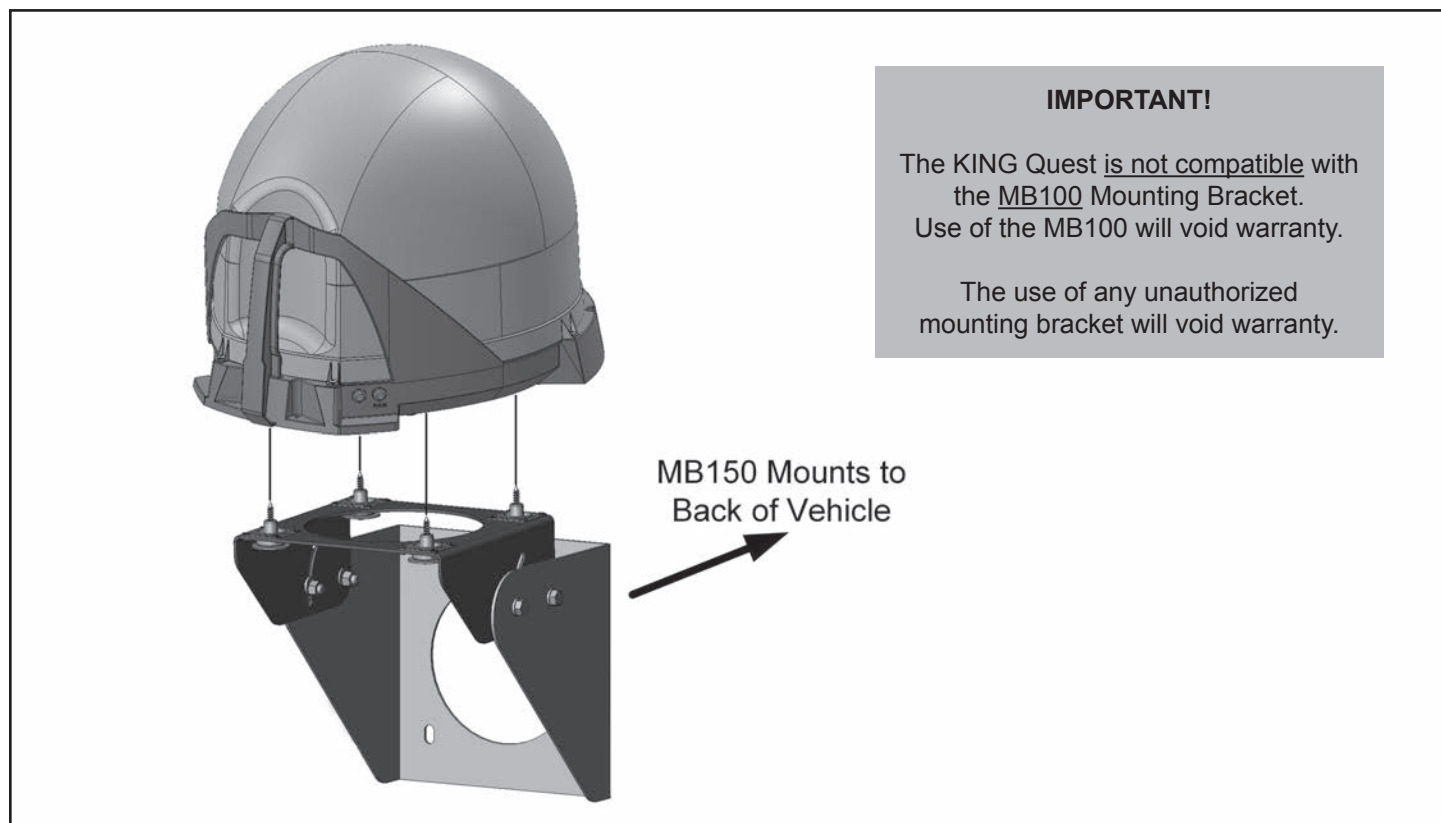
The KING UC1000 Controller replaces the power injector and provides the following:

- Sounds an audible security alarm if the coax is disconnected from the antenna unit (antenna unit must be on or in sleep mode).
- Programs the antenna unit to work with DISH® or Bell TV™ services.



KING MB150 MOUNTING BRACKET

The KING Quest can be permanently mounted to a vehicle using the MB150 Mounting Bracket.



10 LIMITED WARRANTY

Every new KING Quest Satellite System is thoroughly inspected and tested before leaving the factory, and is covered by the following two year parts and one year labor limited warranty from the date of original purchase:

- Two year parts warranty: The customer is not responsible for the cost of replacement parts if the original part is determined to be defective under the terms of the warranty. The customer is responsible for the cost of replacement parts after two years.
- One year labor warranty: The customer is not responsible for labor costs to repair unit if unit falls under the terms of the warranty. The customer is responsible for all labor costs after one year.

Only KING may perform warranty evaluations and repairs. Depending upon the problem, KING may authorize a dealer to perform the necessary repairs. Any warranty labor outside of that performed at the factory is not covered unless 1) the product has been installed by an authorized dealer/installer or OEM manufacturer and 2) the dealer/installer receives prior authorization to perform the repair.

Should any trouble develop during the warranty period, contact KING at (952) 922-6889. 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.

If it is determined that the unit needs to be returned to KING, customer must return COMPLETE product, freight prepaid, to:

KING, 11200 Hampshire Avenue South, Bloomington, MN 55438-2453.

If inspection shows the trouble is caused by defective workmanship or material, KING will repair (or at its option, replace) without charge.

When returning product, KING will supply an RMA number (Return Merchandise Authorization). This number must be clearly written on the box. Failure to clearly write RMA number on box will result in delays in processing claim. Along with product, the customer should include in the box: name, address, daytime phone number, proof of purchase and description of the problem.

This warranty does not cover installation and external wiring, or remanufactured units. This warranty does not cover damage caused by the use of a mounting bracket other than a KING mounting bracket designed for the product. This warranty is not transferable from the original owner.

Due to the expanding and changing TV market, KING cannot be held responsible for changes made to satellite services. Software updates to address such issues are not covered under warranty.

This warranty also does not apply where:

- The product has been abused, misused, improperly installed or improperly maintained.
- The product has been installed on a bracket that is not a KING bracket designed for the product.
- Repairs have been made or attempted by others that are not certified by KING to do such repairs.
- Repairs are required because of normal wear and tear.
- Alterations have been made to the product.
- The antenna unit has been opened without authorization.
- Damage has been caused by power washing.
- Circumstances beyond the control of KING cause the product to no longer operate correctly.
- Customer is not the original owner.

In no event shall KING 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 the warranty.

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



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