



## VQ4100-OE Owner's Manual



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## 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](http://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/](http://www.kingconnect.com/products/product-registration/).

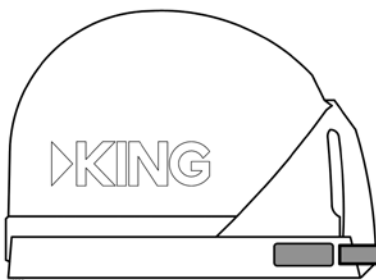


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### PURCHASE DATE

\_\_\_\_/\_\_\_\_/\_\_\_\_  
Month Day Year



Record your serial number here.

Bell TV is an official trademark of Bell Canada.  
DIRECTV is a registered trademark of DIRECTV, L.L.C.  
DISH and Tailgater are registered trademarks of DISH Network L.L.C.  
KING and Dome Magic are registered trademarks of Electronic Controlled Systems, Inc. which is not affiliated with DIRECTV, L.L.C.  
KING Quest and Simply better, by design. are trademarks of Electronic Controlled Systems, Inc. which is not affiliated with DIRECTV, L.L.C.

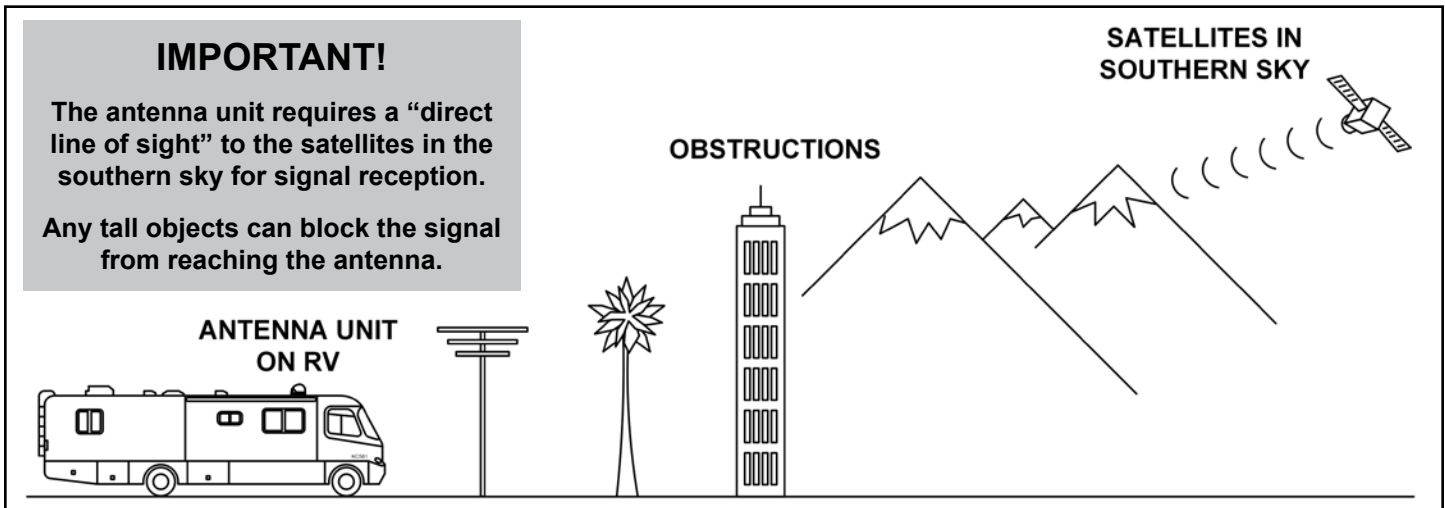


# 1 INTRODUCTION

## Thank you for purchasing a KING antenna!

And welcome to the exciting world of mobile satellite television. Please read all of the information on this page before using your KING Quest.

DIRECTV, DISH and Bell TV services all require paid programming subscriptions.



This KING Quest can be used with one of two options, the power injector or the UC1000 Controller.

### POWER INJECTOR

The power injector allows the antenna to lock on the DIRECTV 101 satellite to receive SD programming from DIRECTV.

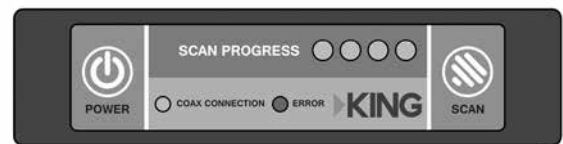
If installing this option, go to Section 14, Installation.  
If the antenna unit and power injector are already installed and you are ready to connect your TV and receiver, go to page 3.



### UC1000 CONTROLLER

The controller allows the antenna to receive DISH HD and SD programming (satellites 110, 119, 129) and switch between them if necessary as dictated by programming chosen on the main receiver. It also allows use of the antenna with other DISH services, as well as DIRECTV and Bell TV services, and includes a security alarm feature.

If installing this option, go to Section 14, Installation.  
If the antenna unit and controller are already installed and you are ready to connect your TV and receiver, go to page 4.



## 2 CONNECTION AND OPERATION: POWER INJECTOR

- ① Connect your receiver to your TV.
- ② Plug in receiver and TV and turn on (you may need to plug in power injector as well).
- ③ Choose your TV's input that matches the connection from your receiver.
- ④ **IMPORTANT!** Configure your receiver as shown below.
- ⑤ Connect coax from power injector to SATELLITE IN on receiver.

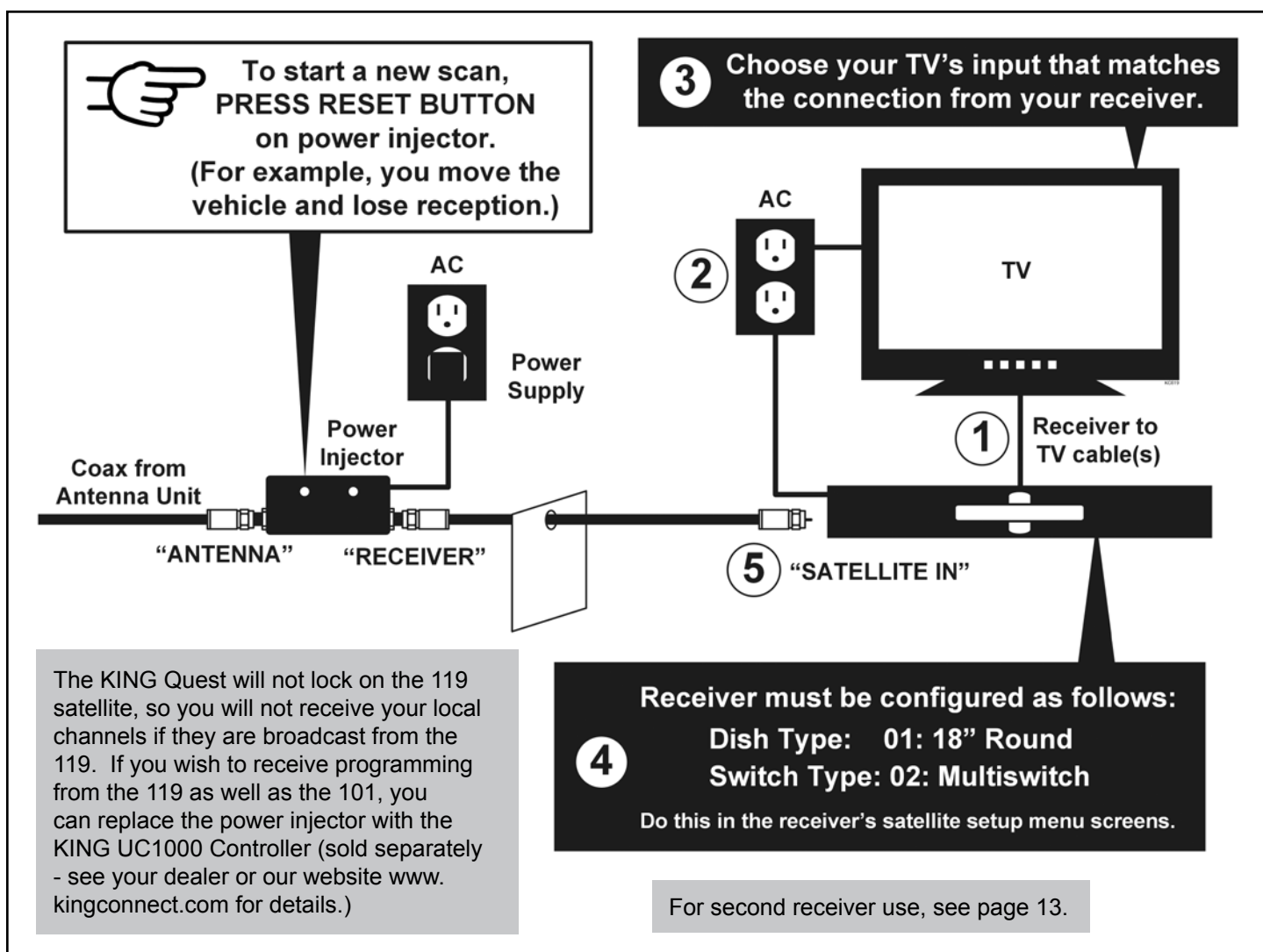
When all connections are made, the antenna unit will scan for the DIRECTV 101 satellite.

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

### PLEASE BE PATIENT!

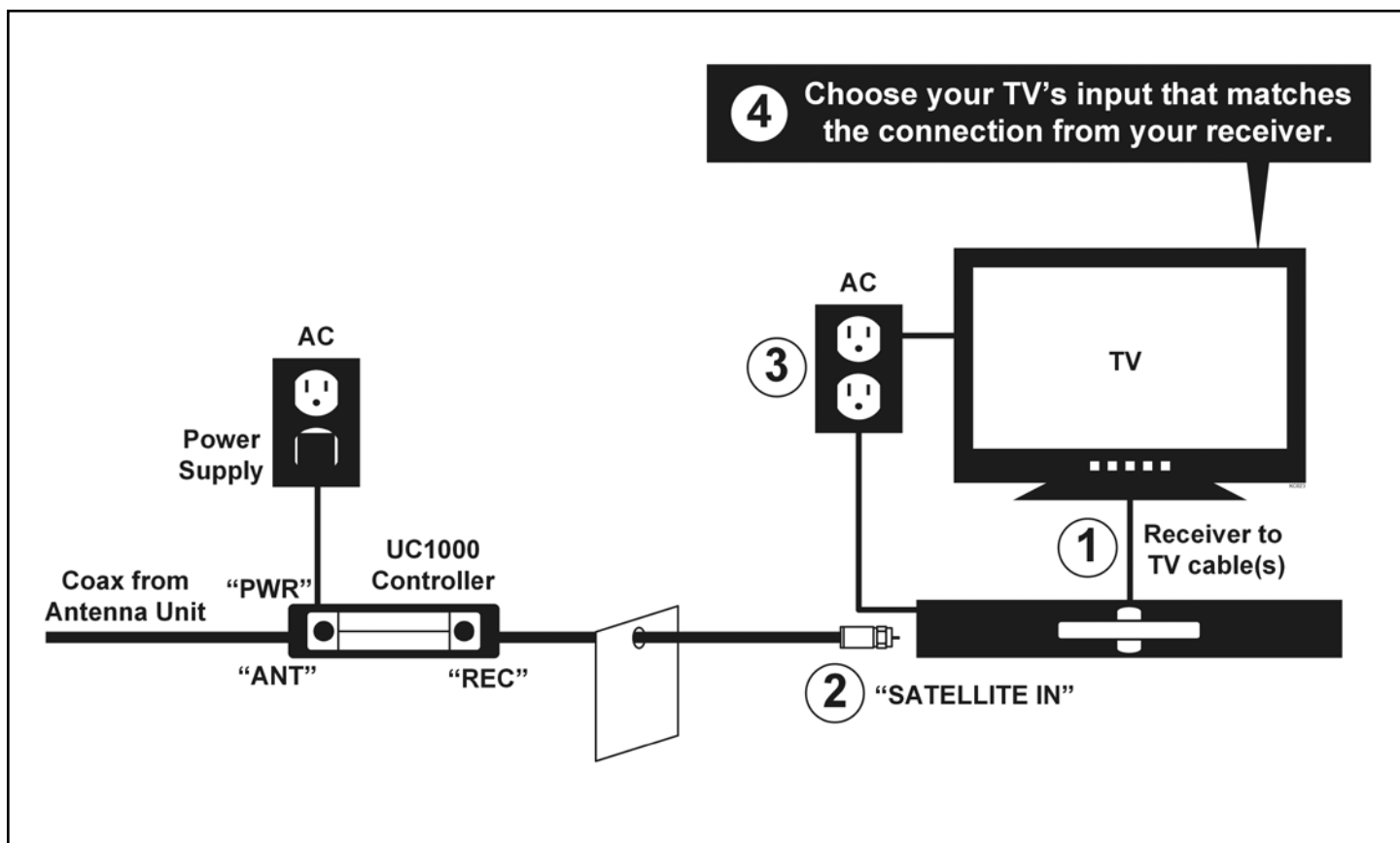
The antenna unit may lock on the satellite in as little as 2 minutes,  
but may occasionally take up to 10-15 minutes.

To start a new scan, press the RESET button on the power injector.



### 3 CONNECTION: UC1000 CONTROLLER

- ① Connect your receiver to your TV.
- ② Connect coax from the UC1000 Controller to SATELLITE IN on the receiver.
- ③ Plug in receiver and TV and turn on (you may need to plug in UC1000 Controller as well).
- ④ Choose your TV's input that matches the connection from your receiver.
- ⑤ Continue on next page.



## 4 ANTENNA CONFIGURATION

The KING UC1000 Controller is factory preset for **DISH HD and SD** (satellites 110, 119 and 129).

**If this is your desired service option, you do not need to configure your antenna. Go to section 6.**

If you wish to use a different DISH service option, or if you have DIRECTV or Bell TV service, you will need to reconfigure the antenna as shown below.

Antenna configuration is a one time procedure that **MUST BE COMPLETED** before using your KING Quest antenna. To configure your antenna, do the following:

1. Press **POWER** to turn on the controller. Wait for the lights to stop flashing and for the **COAX CONNECTION** light to remain on.
2. Press and hold **SCAN** for five seconds. The **COAX CONNECTION** light and the **SCAN PROGRESS** lights that indicate the currently selected service will begin flashing.
3. Press **SCAN** repeatedly to scroll thru the available service options.
4. When the correct lights turn on to show your desired antenna configuration, press and hold **SCAN** for five seconds to save in memory.

All **SCAN PROGRESS** lights will turn off and the **COAX CONNECTION** light will stop flashing and remain on.

5. Continue on next page. (If just verifying antenna configuration, turn controller off.)

### SATELLITE SERVICE CHART

Service Options	Satellites	Light 1	Light 2	Light 3	Light 4
DIRECTV SD	101	●	○	○	○
DIRECTV SD with Locals	101, 119	●	●	○	○
DISH SD	110, 119	●	○	●	○
DISH HD and SD	110, 119, 129	●	●	●	○
DISH HD and SD Alternate	61.5, 110, 119	●	○	●	●
BELL SD	91	○	●	○	○
BELL HD and SD	82, 91	○	●	●	○
TAILGATER MODE (See below)	110, 119, 129	○	●	●	●

○ = OFF    ● = ON

SCAN PROGRESS  
(on front of controller)



If you have a DISH receiver **ViP211z**, **ViP211k**, **ViP211** or **411**, **FIRST** choose the **Tailgater Mode** setting as instructed on these two pages, and then continue with Tailgater Mode (page 14).

To verify the current antenna configuration without changing it, perform steps 1, 2 and 5.

## 5 RECEIVER CONFIGURATION: DIRECTV

The KING Quest will not work with SWM only receivers.

For receiver compatibility, visit [www.kingconnect.com/support/receivers/](http://www.kingconnect.com/support/receivers/).

In the receiver's satellite set up menu screens, change the switch and dish type settings to:

### DIRECTV SD

Switch Type: 02:Multiswitch

Dish Type: 01: 18" Round

Older receivers: choose round dish-1 satellite

### DIRECTV SD with Locals

Switch Type: 02:Multiswitch

Dish Type: 02: 3-LNB (18 x 20")

Older receivers: choose oval dish-2 satellites

**If your receiver does not offer one of these settings, call KING at (952) 922-6889 ext. 173 for assistance.**

After setting your receiver for either service as described above. . . . . go to page 10.

## 6 RECEIVER CONFIGURATION: DISH AND BELL TV

### DISH subscribers with the following receivers:

ViP211z • ViP211k • ViP211 • 411

and who chose **Tailgater Mode** on the previous page . . . . . go to page 14.

### All other DISH and Bell TV subscribers:

After you have successfully configured your antenna, you must configure your receiver for mobile use by running a check switch test . . . . . go to page 7.

For receiver compatibility, visit [www.kingconnect.com/support/receivers/](http://www.kingconnect.com/support/receivers/).

Dual tuner receivers or receivers with built-in recorders are not recommended and will not have full functionality when used with the KING Quest antenna. Your local channels may not be available when traveling outside your home area.



## 7 CHECK SWITCH TEST: DISH AND BELL TV

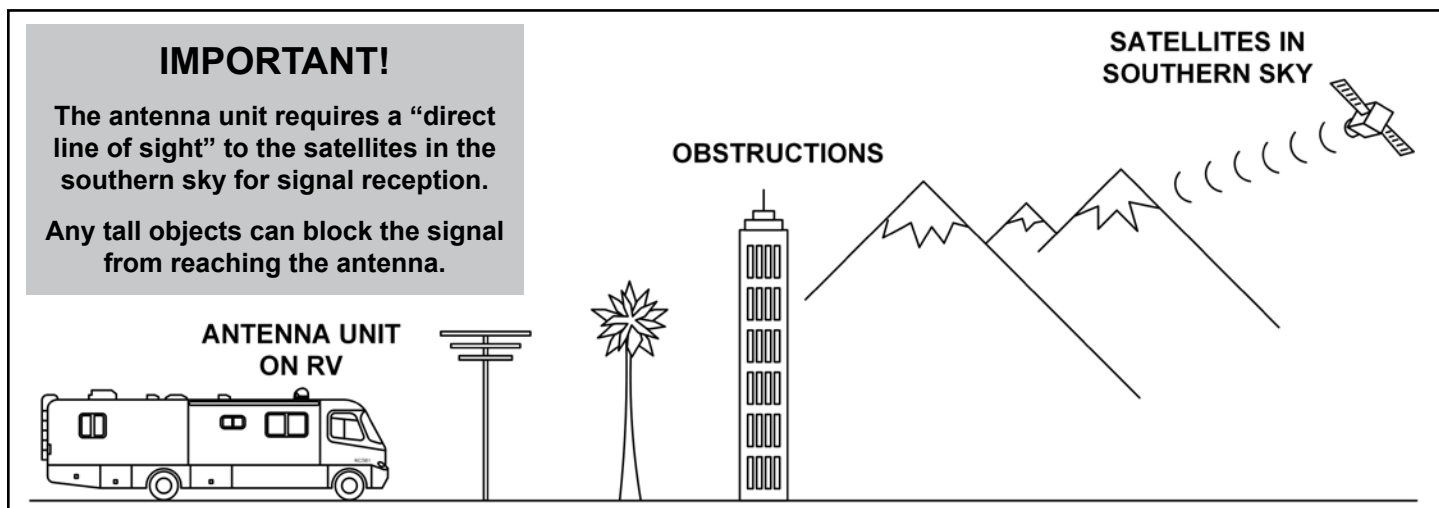
**DISH only:** For automatic satellite switching, KING recommends using a DISH model 311 receiver for **DISH SD**. For **DISH HD and SD**, you can use receiver models ViP211z, ViP211k, ViP211, and 411, but we highly recommend using Tailgater mode with these receivers for simplified operation with the receiver's built in Tailgater interface (see section 4 to choose Tailgater Mode).

**DISH and Bell TV:** If you do not have a clear view of the satellites, the switch will not load correctly.

The SW21 and SW64 switches are a receiver software configuration that is loaded into the receiver after successfully running a check switch test with the dish locked on and configured for the appropriate service.

This one time procedure will not need to be repeated after successful installation, unless:

- check switch test is run again while the receiver is connected to a home dish system.
- check switch test is run when the receiver is not connected.
- you travel outside your coverage area and reconfigure the antenna for a different service.
- you are parked in an area where the selected satellites are blocked, but are able to select alternate satellites and get signal.



1. Turn on the TV and satellite receiver.
2. Press **POWER** to turn on the controller.

Wait for the lights to stop flashing and for the **COAX CONNECTION** light to remain on.

3. Press **SCAN**.

The antenna must locate all of the appropriate satellites before successfully completing the search process so it can properly configure your receiver.

**After the antenna acquisition process is complete, specific SCAN PROGRESS lights will turn on to indicate which satellites have been found (see chart in section 8).**

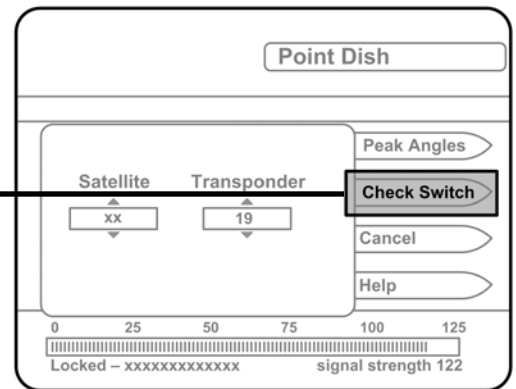
**If you configured the antenna for DISH HD and SD and the antenna cannot acquire the 110, 119, and 129 satellites, you may need to configure the antenna for DISH HD and SD Alternate (section 4).**

4. On the receiver remote, press **MENU, 6, 1, 1**.

5. Highlight “Check Switch.” ●

Press **SELECT** on your remote.

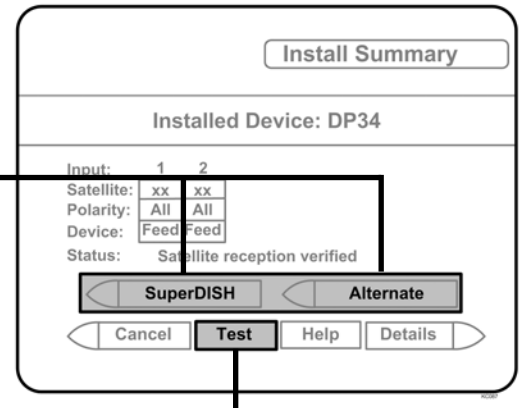
**NOTE: Some receivers may prompt you to select “Check Switch” a second time to initiate the test.**



Screen graphics may vary.

6. Make sure “SuperDISH” and “Alternate” boxes are **NOT** selected. ●

**NOTE: Not all receivers will display a screen with options that include “SuperDISH” and “Alternate” boxes.**



7. Highlight “Test.” ●

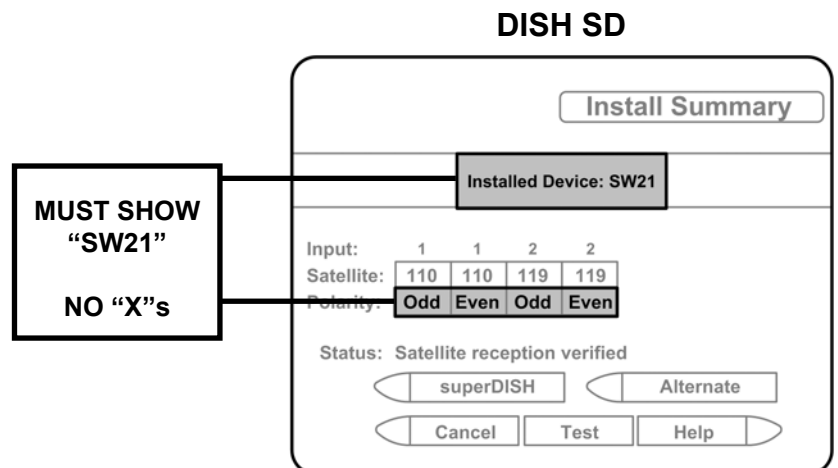
Press **SELECT** on your remote.

The receiver will perform a check switch test, during which time the antenna will periodically move back and forth between satellites. This process can take a little while so PLEASE BE PATIENT.

**Do not block signal to the antenna during this time. The antenna requires a direct line of sight to the satellite.**

8. When test is complete, a screen similar to one **below or on the next page** should appear. After screen verification, continue with check switch test procedure on next page.

**Because receivers are always changing, screen graphics may vary.**



## DISH HD and SD

## DISH HD and SD Alternate

**Installation Summary**

Satellite Input			
Port:	1	2	3
Satellite:	119	110	129
Trans:	OK	OK	OK
Device:	Twin	Twin	Sgl
Status:	Reception Verified		
Switch:	SW64		

☐ SuperDISH
 ☐ Alternate

NO "X"s  
MUST SHOW  
"SW64"

**Installation Summary**

Satellite Input			
Port:	1	2	3
Satellite:	119	110	61.5
Trans:	OK	OK	OK
Device:	Twin	Twin	Sgl
Status:	Reception Verified		
Switch:	SW64		

☐ SuperDISH
 ☐ Alternate

## Bell TV SD

## Bell TV HD and SD

**Install Summary**

NO SWITCH DETECTED

Input:				
Satellite:	1	1	2	2
Polarity:	91	91	x	x
Status:	Satellite reception verified			

"NO SWITCH  
DETECTED"  
or  
"INSTALLED  
DEVICE  
UNKNOWN"  
or  
similar

MUST SHOW  
"SW21"  
NO "X"s

**Install Summary**

Installed Device: SW21

Input:				
Satellite:	1	1	2	2
Polarity:	82	82	91	91
Status:	Satellite reception verified			

If the indicated results are not obtained, go back to Step 4 and run test again. Contact KING if the check switch fails to load after 4 attempts.

- When the installation summary shows the successful check switch test results, save the settings, exit to the main menu screen and wait for programming to download.
- DISH HD and SD and DISH HD and SD Alternate only:** Verify that your saved settings show your desired satellite trio: 61.5, 110, 119 or 110, 119, 129. To switch trios, see section 4.

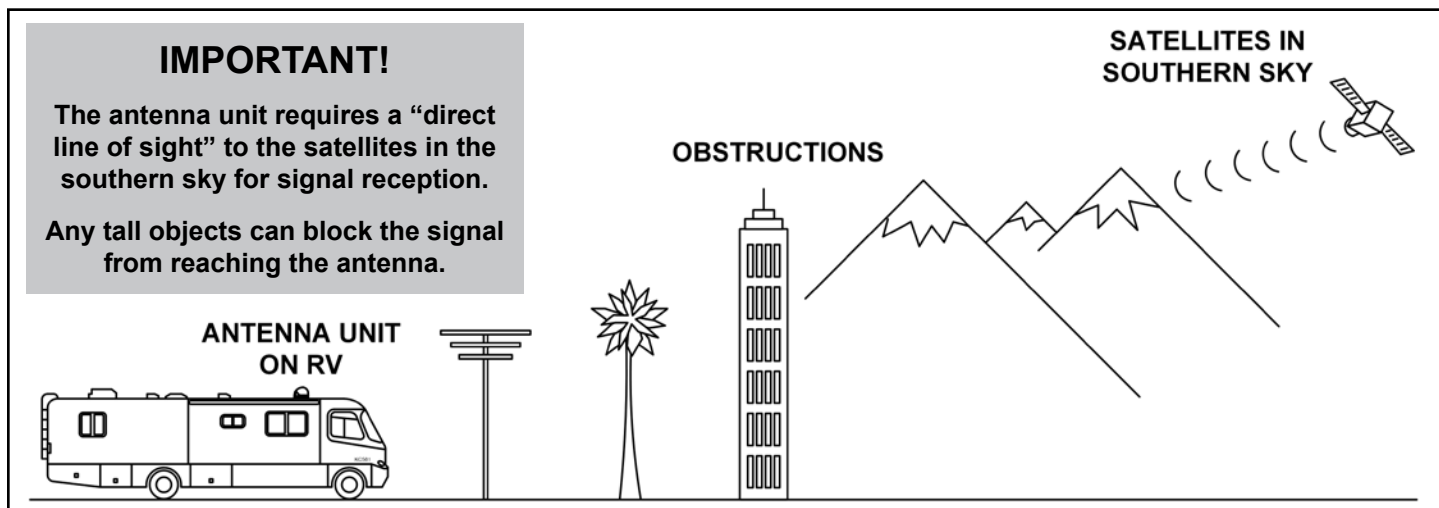
**Configuration is complete. Go to page 10, OPERATION.**

## 8 OPERATION

If you chose Tailgater Mode in the antenna configuration section, **DO NOT** use the instructions on this page. Go to the Tailgater Mode instructions on page 14.

Your local channels may not be available when traveling outside your home area.

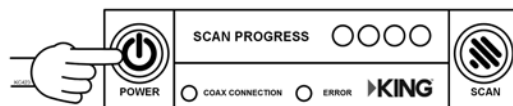
The KING Quest will not receive channels broadcast from DIRECTV's Ka band satellites at 99° and 103°.



**If you chose Tailgater Mode, do not use these instructions.  
Go to page 14 instead.**

### POWER UP

1. Press **POWER** to turn on UC1000 controller.



- All lights will turn on briefly.
  - The **COAX CONNECTION** light will flash 10 times and the **SCAN PROGRESS** lights will flash 3 times to indicate the currently selected service configuration and then turn off.
  - If the unit is operating properly, the **COAX CONNECTION** light will remain on and all other lights will turn off.
2. Turn the TV and satellite receiver on.
- Antenna is now ready to scan for satellites. Go to next page.

## SCAN FOR SATELLITES

1. Press and hold **SCAN** for 3 seconds.

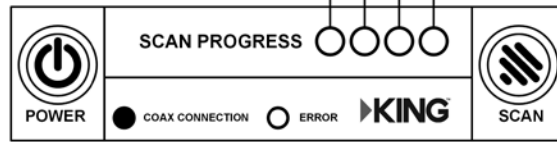


- The antenna will scan for the selected satellites. The four **SCAN PROGRESS** lights will cycle on and off to indicate a scan is in progress.
- As satellites are located, the corresponding **SCAN PROGRESS** lights will turn on (see below).
- When scan is complete, the appropriate lights will turn on to show which satellites were found.
- Wait for the program guide to download and then select your desired channel.

### “SATELLITES FOUND” CHART

Service	Satellites	Light 1	Light 2	Light 3	Light 4
DIRECTV SD	101	●	○	○	○
DIRECTV SD with Locals	101, 119	●	●	○	○
DISH SD	110, 119	●	●	○	○
DISH HD and SD	110, 119, 129	●	●	●	○
DISH HD and SD Alternate	61.5, 110, 119	●	●	●	○
BELL SD	91	●	○	○	○
BELL HD and SD	82, 91	●	●	○	○

○ = OFF    ● = ON



Use this chart to determine which satellites have been found.

**NOTE:** The order of the lights corresponds to the order of the satellites listed.

Example for **DISH SD**: The 110 satellite corresponds to Light 1, and the 119 satellite corresponds to light 2.

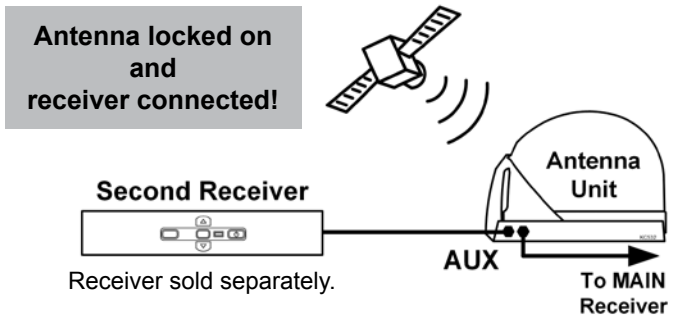
If you move the vehicle, you will have to reacquire the satellites by repeating the scan process. The KING Quest will go into “sleep mode” after 15 minutes and the **COAX CONNECTION** light will dim. To turn the unit off at any time, press **POWER** for 3 seconds.

**DISH AND BELL TV SUBSCRIBERS:** If you are using a second receiver, see SECOND RECEIVER OPERATION: DISH AND BELL TV on page 12.

## 9 SECOND RECEIVER OPERATION: DISH AND BELL TV

### INITIAL SETUP FOR SECOND RECEIVER

1. With the antenna locked on the satellite and the second receiver connected to the antenna unit's AUX port coax, use your DISH remote control and press **MENU, 6, 1, 1** to display the *Point Dish* screen.



2. Use the arrow buttons on the remote to highlight "Check Switch."

Press **SELECT** on your remote.

**Point Dish**

To calculate Dish 500 Peak Angles,  
Enter your ZIP Code select satellite 110 or 119

Zip Code	Dish System	Transponder	Satellite
30000	500	15	129

**Check Switch**

Done  
Help

Azimuth: N/A Elevation: N/A Skew: N/A

0 10 25 50 75 100 125

Not Locked - Name Not Acquired! Signal Strength: 0

3. Verify "SuperDISH" and "Alternate" are not selected.

Verify "Test" is highlighted.

Press **SELECT** on your remote.

**Installation Summary**

Satellite Input				
Port:	1	2	3	
Satellite:	129	119	110	
Trans:	OK	OK	OK	
Device:	1K.2	1K.2	1K.2	
Status:	Reception Verified			
Switch:	DP34			

☐ SuperDISH ☐ Alternate

Details **Test** Done Help

4. When test is complete, highlight "Save."

Press **SELECT** on your remote.

**Installation Summary**

**Warning** 836

The check switch test has found you have fewer satellites than previously detected. Selecting "Save" will result in a loss of channels. Press "Cancel" to keep the original setting and return to the previous menu. Only select "Save" if you are sure that this new setting is correct for your installation or you have added/removed equipment.

Cancel Retest **Save**

Details Test Done Help

See the next page for downloading programming to the second receiver.

## DOWNLOADING PROGRAMMING TO THE SECOND RECEIVER

1. After completing the steps on the previous page, reset the second receiver by pressing the POWER button on the front panel for 10 seconds. The TV picture will go away and should reappear within two minutes.

The receiver will then download the program guide to show only the channels available on the current satellite as determined by the channel selected on the main receiver. Downloading the new program guide can take up to five minutes to complete.

The channels available on the second receiver are determined by the channel/satellite selected on the main receiver. For example, if you select a channel on the main receiver that is broadcast from the 119 satellite, then the second receiver will be able to view any channel broadcast from the 119 satellite.

If you switch channels on the main receiver to one that is broadcast from a different satellite, (i.e. your channel was broadcast from satellite 119 but your new channel is broadcast from the 110 or 129), the antenna will automatically switch to the new satellite and programming will be lost on the second receiver until you either:

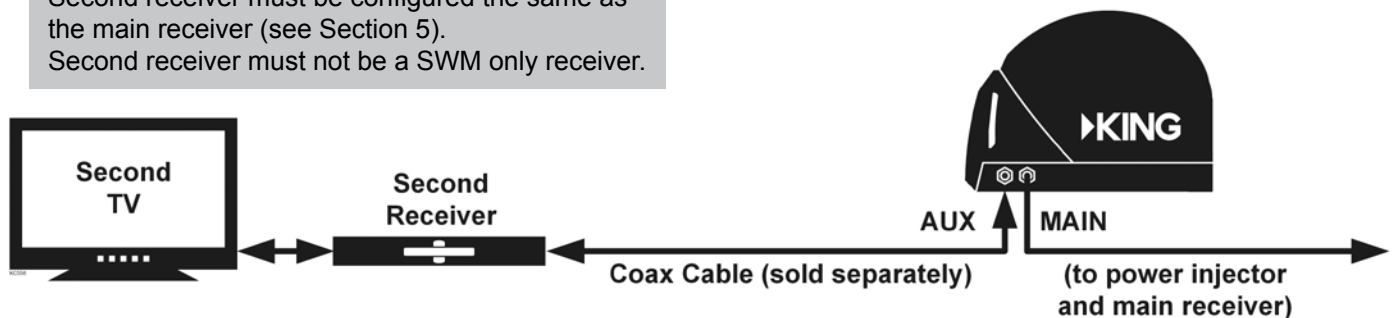
- Select a channel on the main receiver that is broadcast from the previous satellite (satellite 119 in this example).
- (or)
- Reset the second receiver to download the program guide for the newly selected satellite (satellite 110 or 129 in this example).

If you choose a channel on the main TV that causes the antenna to switch satellites, you may have to run a check switch on the second receiver.

## 10 SECOND RECEIVER OPERATION: DIRECTV

**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 5).  
Second receiver must not be a SWM only receiver.

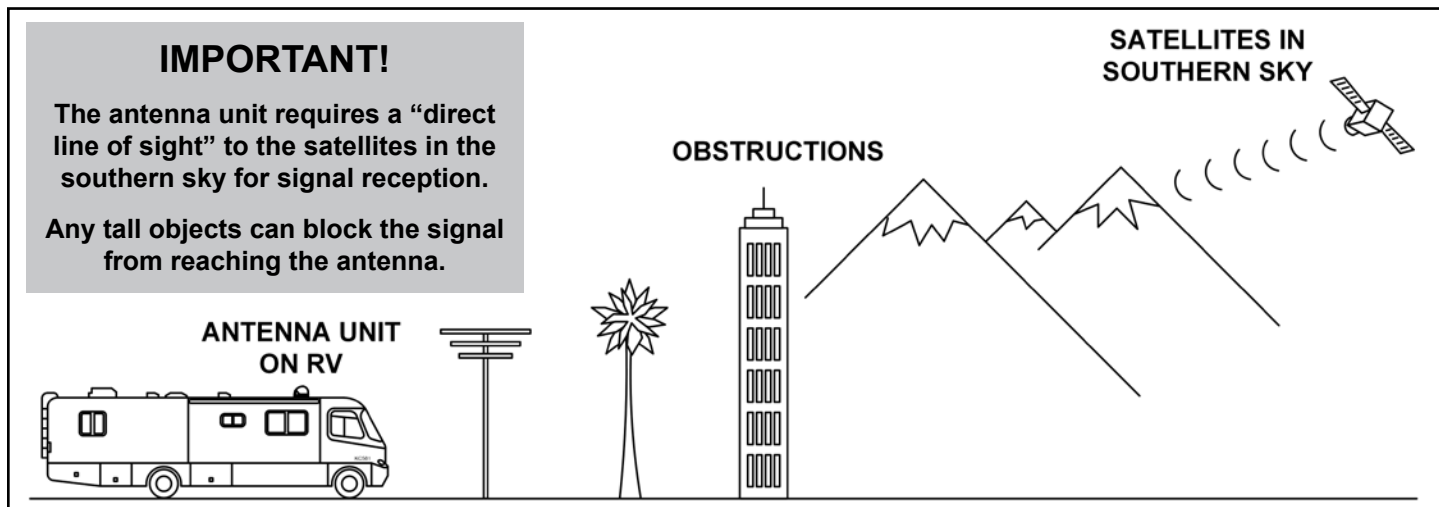


If your main receiver has a second "satellite in" port and built in DVR, you can connect this input to the AUX port to record programs on a different channel than the one you are watching.

## 11 TAILGATER MODE

You must have chosen Tailgater Mode on page 5.

Your local channels may not be available when traveling outside your home area.



**If your receiver is NEW AND UNACTIVATED, START HERE.**

**If not, go to page 20.**

1. If your UC1000 controller is not on, press **POWER** and wait for the **COAX CONNECTION** light to remain on.
2. Plug your receiver and TV into a 110 volt AC power source.

The green power light on your receiver should illuminate or begin cycling on and off.

Wait for the green light to turn solid. This may take up to two minutes.

If it does not turn solid, power on your receiver using the front panel **POWER** button.  
(On ViP211z models, this is located behind the door panel.)

3. Turn on your TV.

In your TV's input selection menu, choose the input that matches the connection from your receiver (example: if using an HDMI cable from your receiver, choose the HDMI input on your TV). See your TV owner's manual for details.

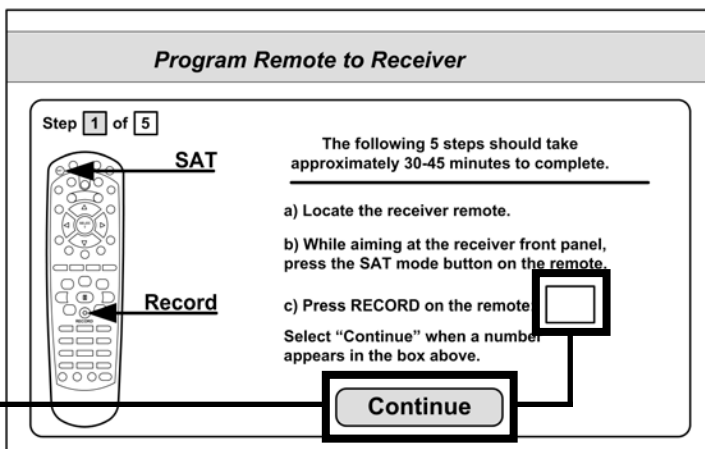


4. Point your receiver's remote at the front of the receiver and press **SAT**.

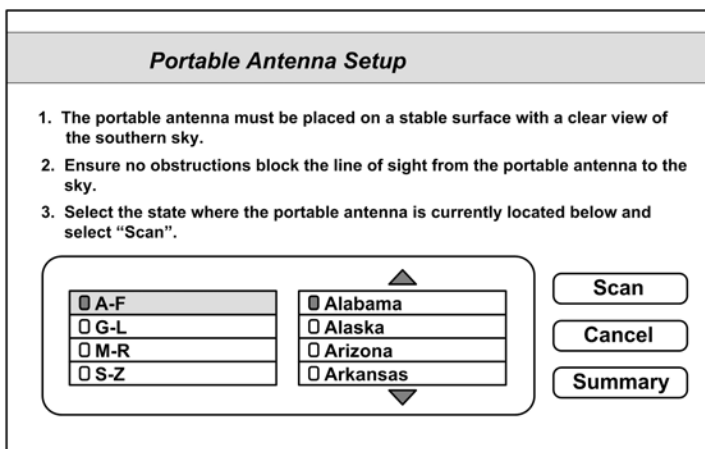
Press **RECORD**.

When a number appears in the box, verify "Continue" is highlighted.

Press **SELECT** on your remote.

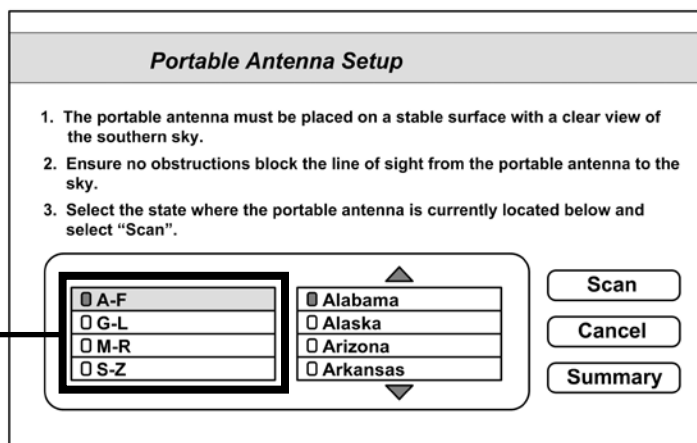


The *Portable Antenna Setup* screen will display.



5. Use the arrow buttons on your remote to highlight the letter group that includes the first letter of the state you are currently in.

Press **SELECT**.



6. Highlight the state you are currently in from the state menu.

Press **SELECT**.

**Portable Antenna Setup**

1. The portable antenna must be placed on a stable surface with a clear view of the southern sky.
2. Ensure no obstructions block the line of sight from the portable antenna to the sky.
3. Select the state where the portable antenna is currently located below and select "Scan".

☐ A-F    ☐ Alabama  
☐ G-L    ☐ Alaska  
☐ M-R    ☐ Arizona  
☐ S-Z    ☐ Arkansas

7. Verify "Scan" is highlighted.

Press **SELECT**.

The scan will begin and may take up to several minutes to complete.

**Portable Antenna Setup**

1. The portable antenna must be placed on a stable surface with a clear view of the southern sky.
2. Ensure no obstructions block the line of sight from the portable antenna to the sky.
3. Select the state where the portable antenna is currently located below and select "Scan".

☐ A-F    ☐ Alabama  
☐ G-L    ☐ Alaska  
☐ M-R    ☐ Arizona  
☐ S-Z    ☐ Arkansas

The receiver will update software for DISH programming. This step may take 20-25 minutes.

**Download Software**

Step **2** of **5** This step will take 10-25 minutes.

a) Getting software from satellite.....Status: In Progress...

b) Updating the receiver.....Status:

Please do not disturb or unplug the receiver while this message appears on screen.

When complete, the receiver will power off and restart before continuing to the next step.

**Download Software**

Step **2** of **5** This step will take 10-25 minutes.

a) Getting software from satellite.....Status: Complete

b) Updating the receiver.....Status: In Progress...

Please do not disturb or unplug the receiver while this message appears on screen.

When complete, the receiver will power off and restart before continuing to the next step.

8. The receiver will reset and the *Mobile Antenna Setup* Screen will appear. Choose your location again and initiate a second scan. ●

**Mobile Antenna Setup**

1. Ensure the portable antenna is placed on a stable surface with a clear view of the southern sky.
2. Choose the state of your current location and select "Scan".

<input type="checkbox"/> A-F	<input type="checkbox"/> Alabama	<input type="button" value="Scan"/> <input type="button" value="Cancel"/> <input type="button" value="Summary"/>
<input type="checkbox"/> G-L	<input type="checkbox"/> Alaska	
<input type="checkbox"/> M-R	<input type="checkbox"/> Arizona	
<input type="checkbox"/> S-Z	<input type="checkbox"/> Arkansas	

Scan will automatically start in: 5 minutes.

The unit will scan a second time.

**Attention** 058

Please wait while your switch installation is checked.

Currently doing test # **1** of 3.

When the scan is complete, the "Acquiring Signal" message will display. Acquiring the signal may take up to 5 minutes to complete.

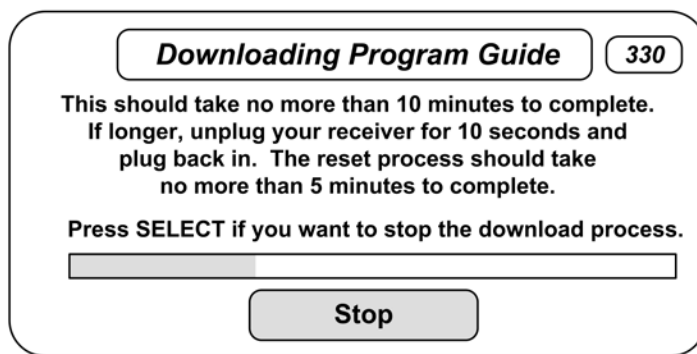
**Acquiring Signal** 535

This should take no more than 5 minutes to complete...

9. After your receiver has acquired the signal, it is ready to be activated. If your receiver packaging has a specific phone number displayed, be sure to call this number to activate your service. Otherwise, call 1-800-963-DISH (3474) to activate.



After your receiver is activated, the electronic program guide will download. This may take up to 5 minutes to complete (potentially longer if an external hard drive is connected).



**This completes the setup for new receivers.**

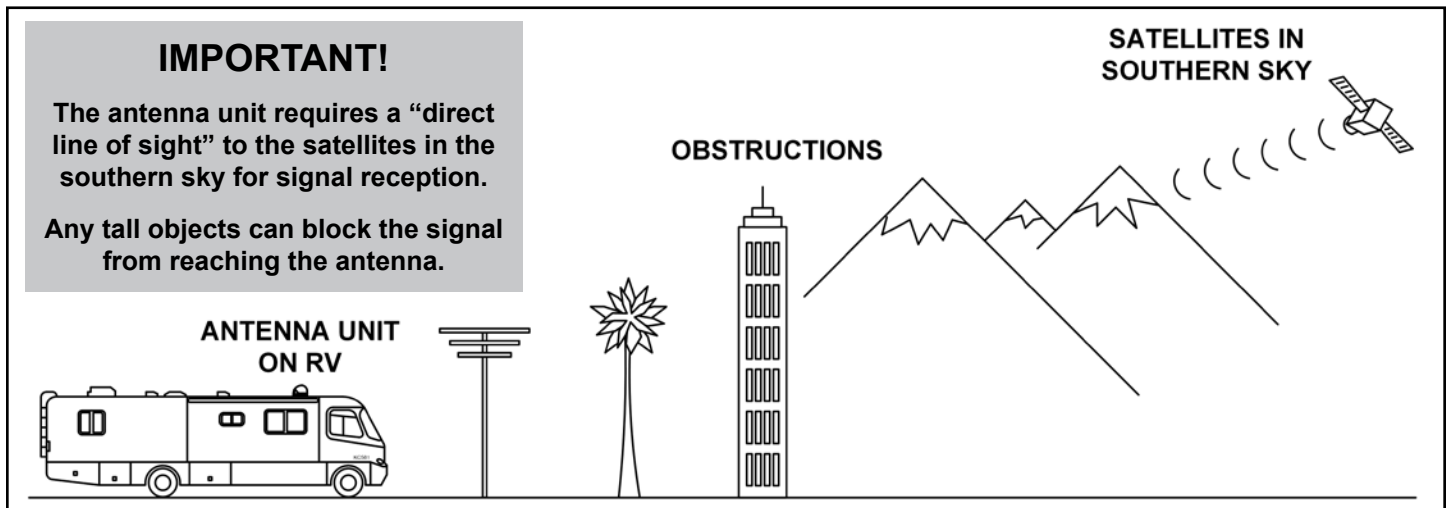
**From now on, use the standard operation procedure starting on page 20.**

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# STANDARD TAILGATER OPERATION

You must have chosen Tailgater Mode on page 5.

Your local channels may not be available when traveling outside your home area.



If your receiver is **NEW AND UNACTIVATED**, start on page 14.

1. If your UC1000 controller is not on, press **POWER** and wait for the **COAX CONNECTION** light to remain on.
2. Plug your receiver and TV into a 110 volt AC power source.

The green power light on your receiver should illuminate or begin cycling on and off.

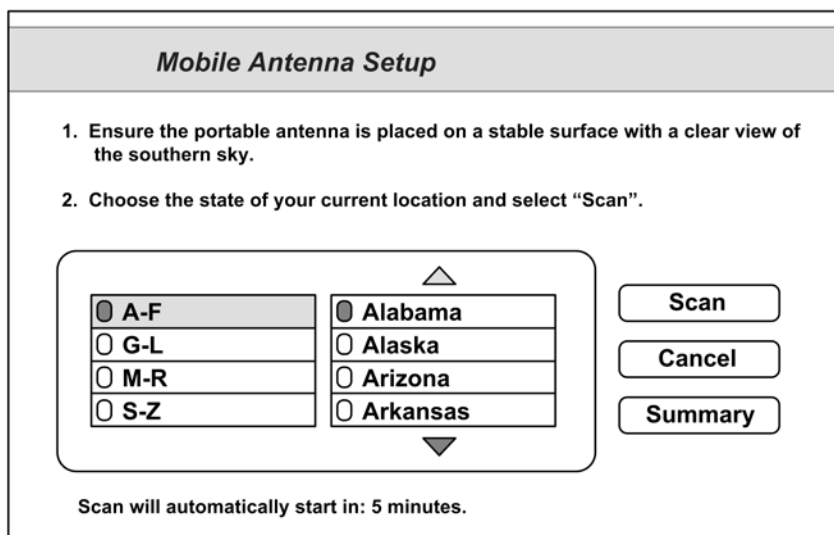
Wait for the green light to turn solid. This may take up to two minutes.

If it does not turn solid, power on your receiver using the front panel **POWER** button.  
(On ViP211z models, this is located behind the door panel.)

3. Plug in and turn on your TV.

In your TV's input selection menu, choose the input that matches the connection from your receiver (example: if using an HDMI cable from your receiver, choose the HDMI input on your TV). See your TV owner's manual for details.

The *Mobile Antenna Setup* screen will be displayed on your TV.



**Mobile Antenna Setup**

1. Ensure the portable antenna is placed on a stable surface with a clear view of the southern sky.

2. Choose the state of your current location and select "Scan".

<input checked="" type="radio"/> A-F	<input checked="" type="radio"/> Alabama
<input type="radio"/> G-L	<input type="radio"/> Alaska
<input type="radio"/> M-R	<input type="radio"/> Arizona
<input type="radio"/> S-Z	<input type="radio"/> Arkansas

Scan will automatically start in: 5 minutes.

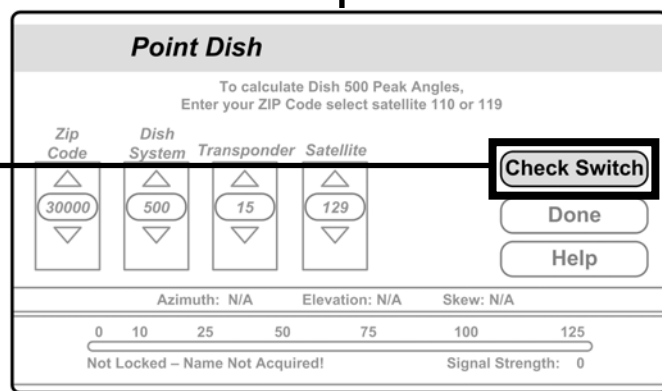
Buttons: Scan, Cancel, Summary

**NOTE:** If the *Mobile Antenna Setup* screen does not display, press **MENU, 6, 1, 1** on your DISH remote.

Highlight "Check Switch."

Press **SELECT** on your remote.

The *Mobile Antenna Setup* screen should now display.



**Point Dish**

To calculate Dish 500 Peak Angles,  
Enter your ZIP Code select satellite 110 or 119

Zip Code	Dish System	Transponder	Satellite
30000	500	15	129

Buttons: Check Switch, Done, Help

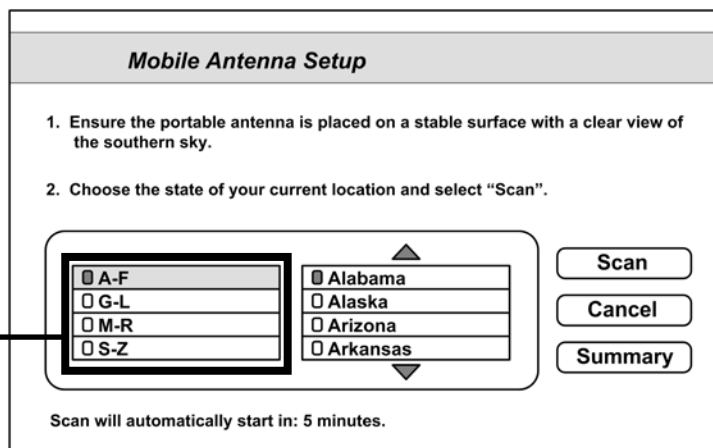
Azimuth: N/A Elevation: N/A Skew: N/A

0 10 25 50 75 100 125

Not Locked - Name Not Acquired! Signal Strength: 0

4. Use the arrow buttons on your remote to highlight the letter group that includes the first letter of the state you are currently in.

Press **SELECT** on your remote.



**Mobile Antenna Setup**

1. Ensure the portable antenna is placed on a stable surface with a clear view of the southern sky.

2. Choose the state of your current location and select "Scan".

<input checked="" type="radio"/> A-F	<input checked="" type="radio"/> Alabama
<input type="radio"/> G-L	<input type="radio"/> Alaska
<input type="radio"/> M-R	<input type="radio"/> Arizona
<input type="radio"/> S-Z	<input type="radio"/> Arkansas

Scan will automatically start in: 5 minutes.

Buttons: Scan, Cancel, Summary

5. Highlight the state you are currently in from the state menu.

Press **SELECT**.

**Mobile Antenna Setup**

1. Ensure the portable antenna is placed on a stable surface with a clear view of the southern sky.
2. Choose the state of your current location and select "Scan".

☐ A-F  
☐ G-L  
☐ M-R  
☐ S-Z

☒ Alabama  
☐ Alaska  
☐ Arizona  
☐ Arkansas

Scan will automatically start in: 5 minutes.

6. Verify "Scan" is highlighted.

Press **SELECT**.

**Mobile Antenna Setup**

1. Ensure the portable antenna is placed on a stable surface with a clear view of the southern sky.
2. Choose the state of your current location and select "Scan".

☐ A-F  
☐ G-L  
☐ M-R  
☐ S-Z

☐ Alabama  
☐ Alaska  
☐ Arizona  
☐ Arkansas

Scan will automatically start in: 5 minutes.

The scan will begin and may take up to several minutes to complete.

This screen will display during the scan.

**Attention** 058

Please wait while your switch installation is checked.

Currently doing test # 1 of 3.

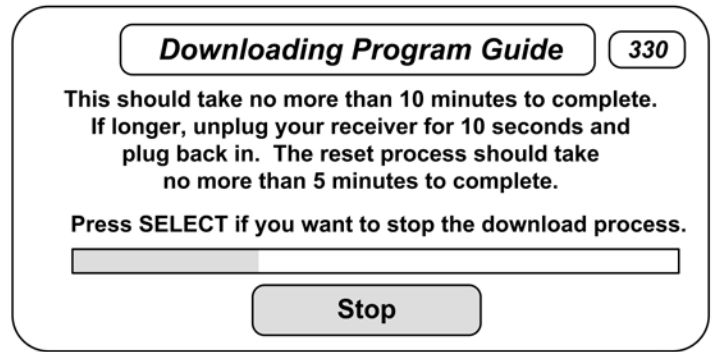
7. When the scan is complete, the "Acquiring Signal" message will display. Acquiring the signal may take up to 5 minutes to complete.

**Acquiring Signal** 535

This should take no more than 5 minutes to complete...



8. After your receiver has acquired the signal, the electronic program guide will download. This may take up to 5 minutes to complete (potentially longer if an external hard drive is connected).



## OPERATING NOTES

To turn the unit off at any time press **POWER** for 3 seconds.

If your system is inactive for an extended period of time, you may need to call DISH Customer Service at 1-800-333-DISH (3474) to reauthorize your receiver. You can view your programming when your receiver has been reauthorized and the guide has finished downloading.

If you move the vehicle, you will need to repeat the scan process to reacquire the satellites and restore programming.

When in the northeastern United States, television programming from the 129 satellite may not be available, so you may wish to configure your antenna for **DISH HD and SD Alternate**. Make sure the controller is turned off, and then use the procedure found in the ANTENNA CONFIGURATION section (page 5). When you leave the northeastern US you will need to configure the antenna for Tailgater Mode once again.

## 12 ALARM CONFIGURATION: UC1000 CONTROLLER ONLY

This unit is shipped from the factory with the alarm feature in the ON condition. If you wish to have the alarm in the ON condition, you can skip this section.

1. Press **POWER** to turn on UC1000 controller. Wait for the lights to stop flashing and for the **COAX CONNECTION** light to remain on.
2. Simultaneously press and hold **POWER** and **SCAN** for five seconds. Controller begins beeping.
  - Single Beep (beep...beep...beep) Alarm is **OFF**.
  - Double Beep (beep beep...beep beep) Alarm is **ON**.
3. Press and release **SCAN** to toggle between the on and off conditions. Beep pattern will change to indicate new condition.
4. When alarm is in desired condition, press and hold **SCAN** for 5 seconds to exit Alarm Mode. Alarm condition will be saved. **COAX CONNECTION** light will turn solid and **SCAN PROGRESS** lights will stay off.
5. Press **POWER** to turn controller off.

**When alarm is enabled:** If the coax cable is disconnected from the antenna unit or the controller while the system is turned on or in standby mode, the controller will sound an audible alarm.

To turn off the alarm when it is sounding, press **POWER** until the controller turns off.

## 13 MAINTENANCE

KING Satellite Systems are designed to be maintenance and trouble free.

For optimum performance, keep the dome clean from dirt, bugs, and other debris. Periodic washing of the dome with mild soap and water is recommended.

**IMPORTANT! Do not power wash the KING Quest.**

If you plan on storing your vehicle for long periods of time, it is recommended that the system be put through a search procedure on a quarterly basis to keep all moving parts in good working order.

If you have any comments or questions, please contact the KING Service Department at (952) 922-6889, or by email at [info@kingconnect.com](mailto:info@kingconnect.com).

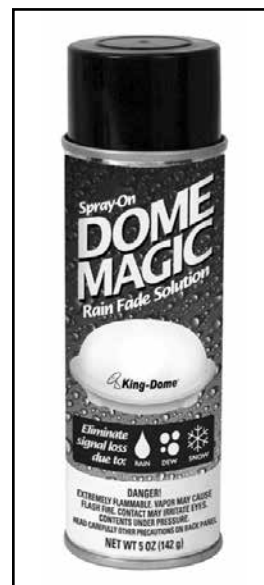
### Rain Fade

Rain or dew on the dome can cause signal interference and make the digital picture freeze, pixelate or go out altogether. This loss of signal is commonly referred to as “rain fade” and is caused by the combination of water in the atmosphere and water on the dome surface.

To minimize this issue and eliminate the effects of water on the dome, apply KING **Dome Magic**® rain fade solution to the dome. This will prevent water from adhering to the dome surface and blocking the signal. For additional details on **Dome Magic**® rain fade solution please contact an authorized dealer or call KING at (952) 922-6889.



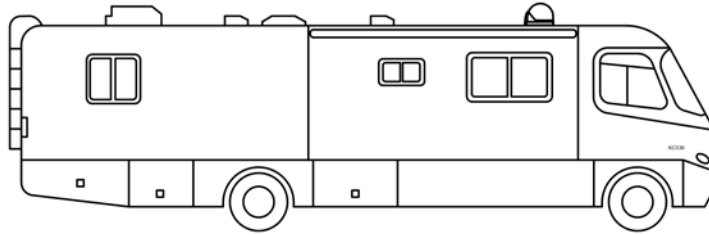
Single Application Packet #1830-SP



Spray Can #1830

**NOTE:** *Dome Magic*® may leave a white residue on the dome surface. This will not affect the performance of the antenna.

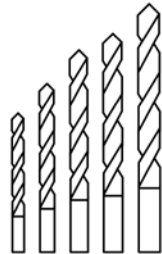
## 14 INSTALLATION



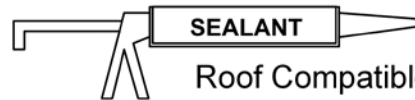
1. Make sure you have the following tools and materials before starting.



Drill



Drill Bit Set

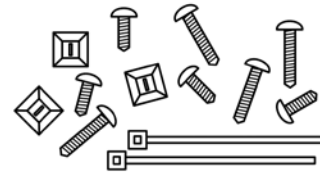


Roof Compatible Sealant



7/16" Open End Wrench  
(for coax connections)

Appropriate Fasteners to install all Components and Wiring  
(to be determined and supplied by installer)



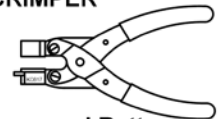
**You will need RG-6 coax to complete this installation. You must use compression style fittings (like Snap'n'Seal) to terminate ends of coax. (Coax, fittings and tools sold separately.)**

**SNAP-N-SEAL®  
CONNECTOR**



Thomas and Betts  
# SNS 1P6

**CRIMPER**



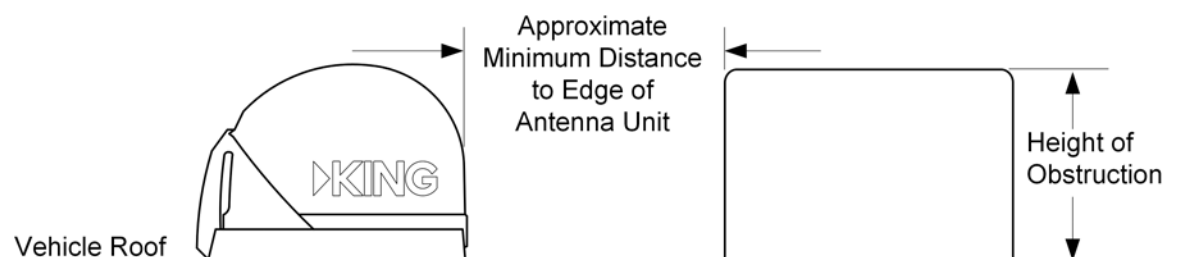
Thomas and Betts  
# SNSUTL

### ANTENNA UNIT LOCATION (See next page)

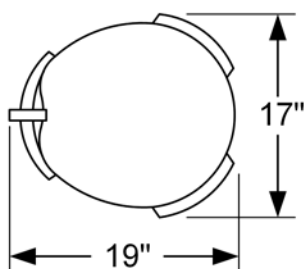
2. Select an area on the roof for the antenna unit and the location where the wiring will enter the vehicle through the roof to the satellite receiver inside using the following criteria:
  - A shorter distance between the antenna unit and the satellite receiver is most desirable.
  - Make sure you have 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"

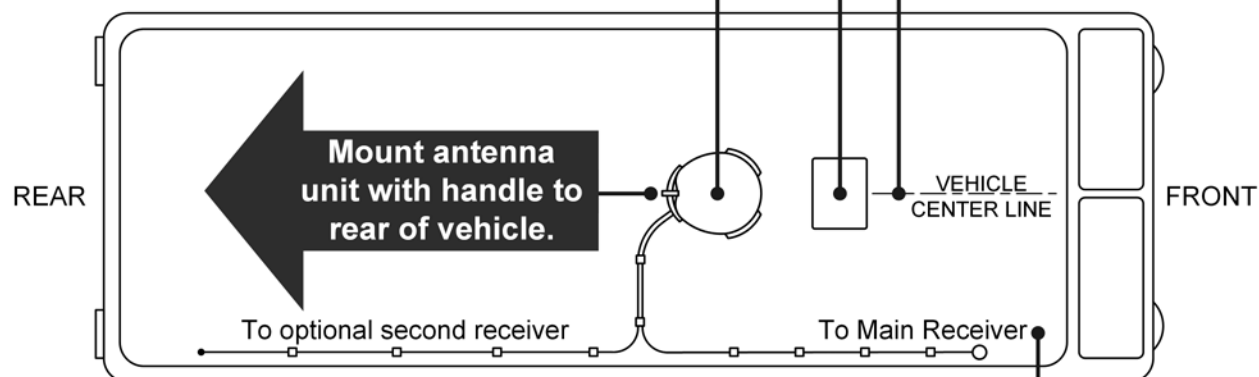


**Do not mount antenna unit too close to obstructions.**



**Choose a location with adequate space.**

**Mount antenna unit on center line of vehicle.**



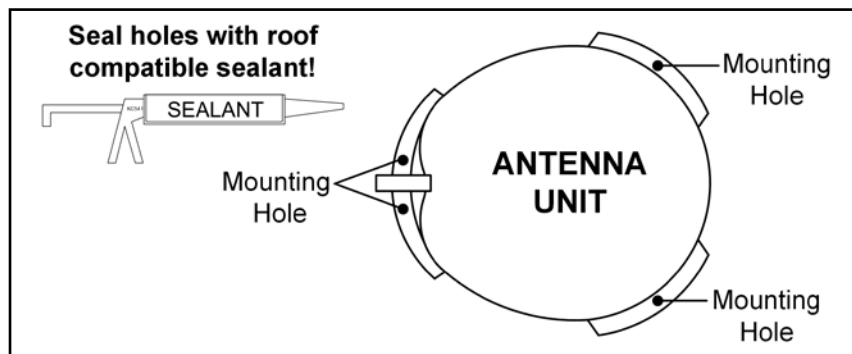
**Try to install antenna unit as close as possible to main receiver to minimize coax length.**

**The installer is responsible for weatherproofing all holes with sealant.**

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.

**If rubber feet have been installed on the bottom of the antenna unit, lay the unit on a soft non-scratching surface and remove them. If rubber feet came packaged with the unit, do not apply them.**

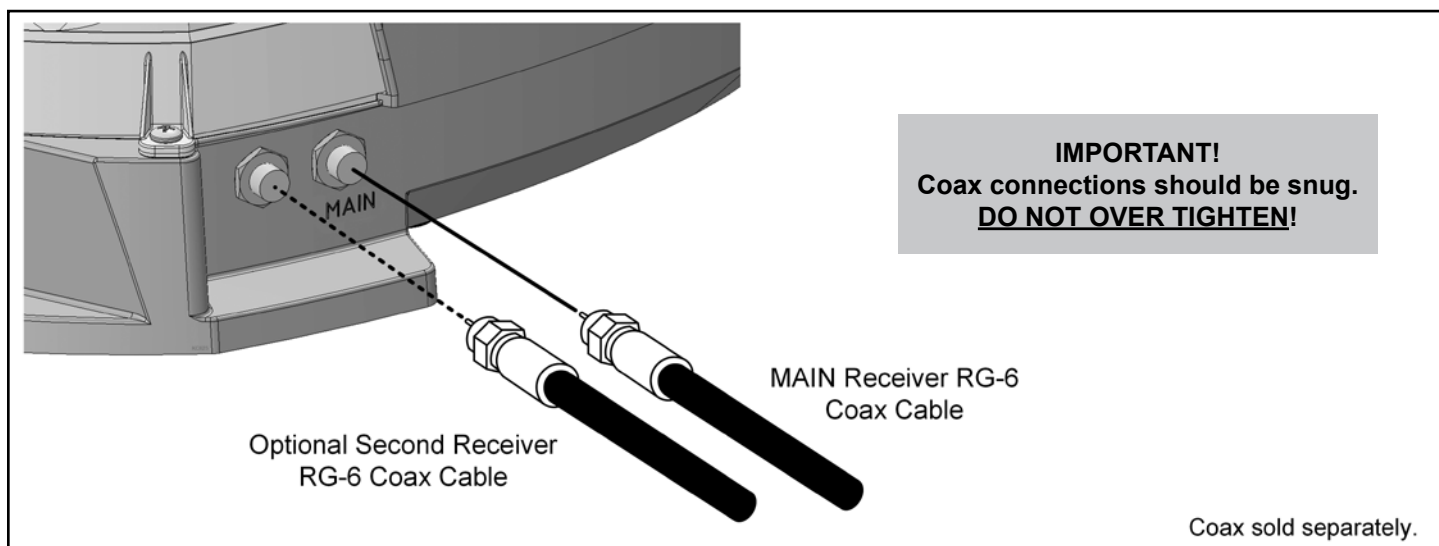
3. Mount the antenna unit using the (4) mounting holes. Make sure to seal mounting holes with roof compatible sealant.



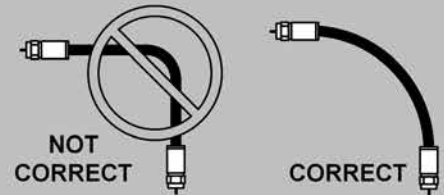
There are two coax ports on the back of the antenna unit. The one labeled "MAIN" **MUST** be connected to the main receiver in vehicle. The one labeled "AUX" can be used for an additional receiver if desired.

4. Connect one end of a coax cable (sold separately) to the MAIN port and tighten connection (see below). **DO NOT OVER TIGHTEN.**

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



## AVOID SHARP BENDS WHEN ROUTING COAX!



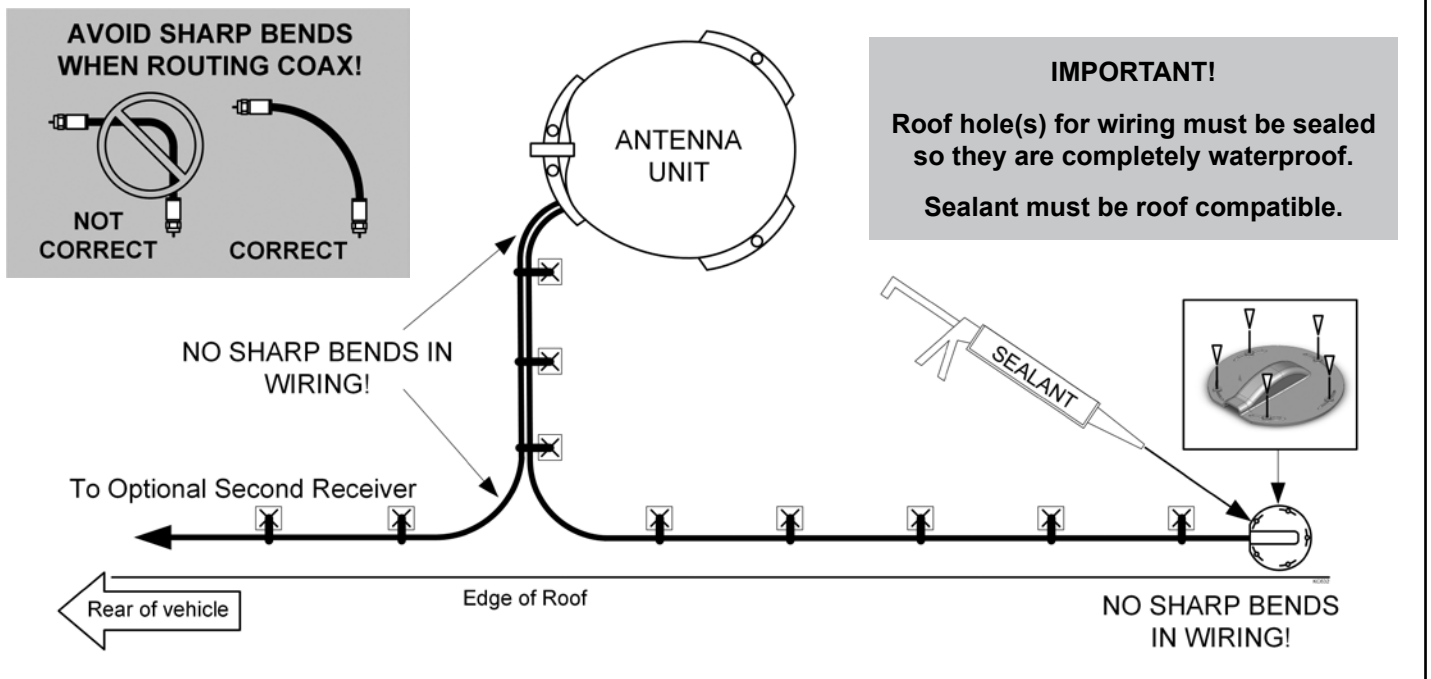
5. Run coax from the antenna unit to the roof edge, then along edge to location where coax will be fed into the vehicle. If installing an optional second receiver, run second coax to location where it will enter the vehicle. Secure (both) coax to roof every 12-18 inches (see below).
6. Drill 3/4" hole 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.

**Use adhesive sealant compatible with roof material. Installer is responsible for determining proper roof compatible adhesive sealant and fasteners for cable entry cover.**

**Roof holes for cables must be sealed so they are completely waterproof. Mounting holes, perimeter of cable entry cover and cable opening of cable entry cover must be sealed so they are completely waterproof.**

7. Fasten cable entry cover to roof with appropriate adhesive sealant and roof fasteners. Seal mounting holes, perimeter of cover and cable opening so they are completely waterproof.

### TYPICAL ROOF INSTALLATION – OVERHEAD VIEW

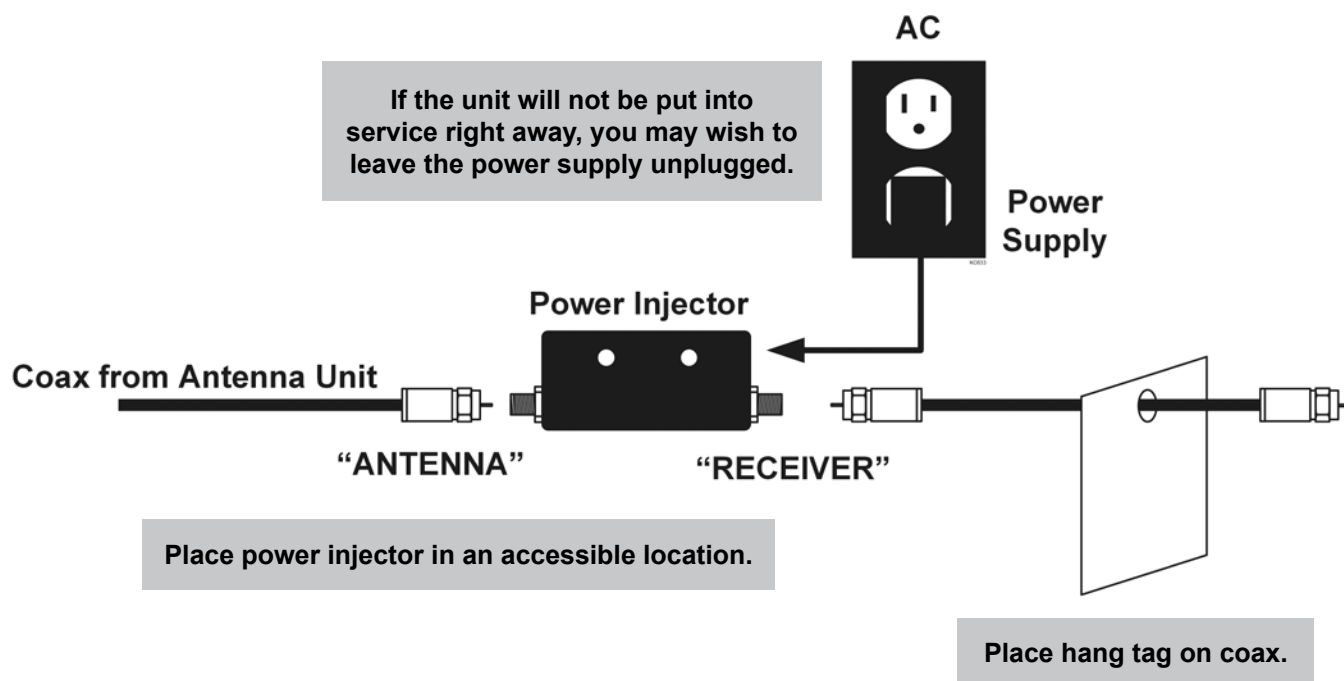


8. Remove blue protective sheet from the antenna unit.

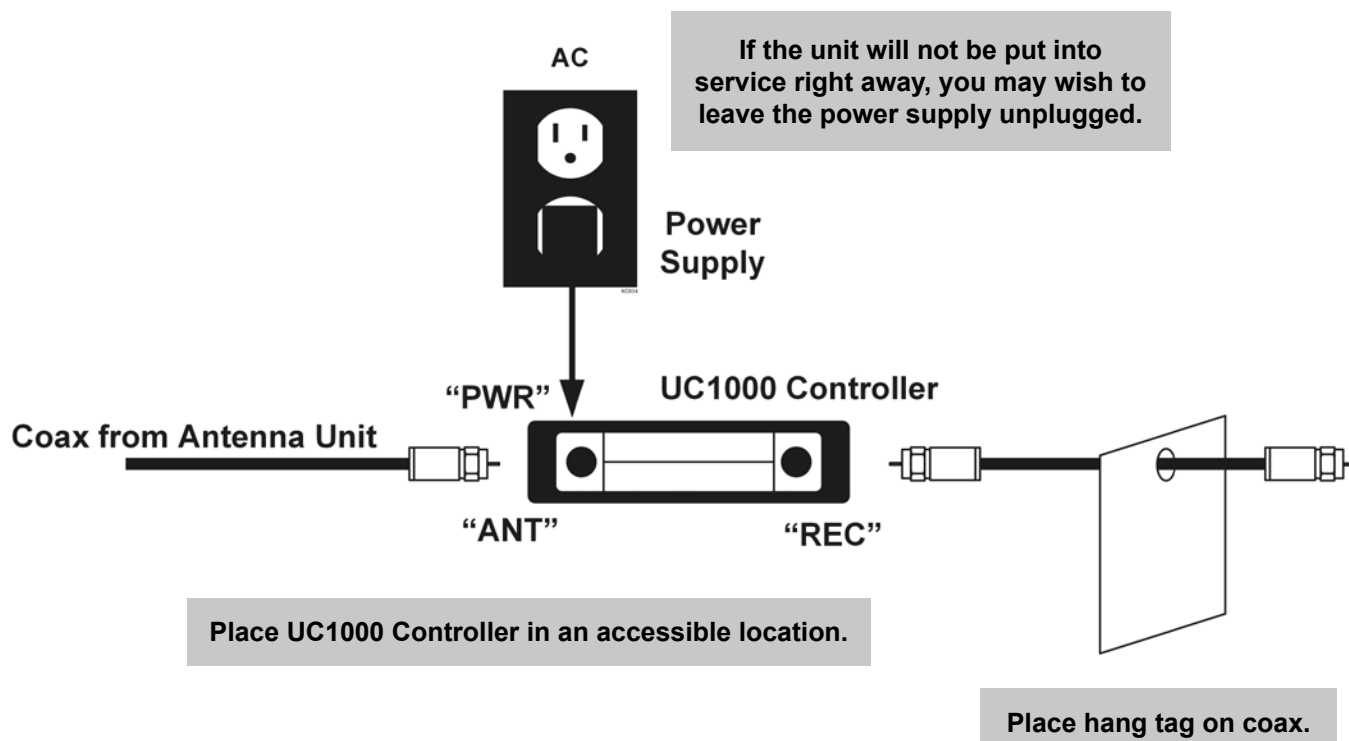
9. Go to next page for internal wiring.

10. Inside vehicle, install power injector **OR** UC1000 Controller.

## Power Injector



## UC1000 Controller





## 15 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 or UC1000 Controller.  Make sure power supply is plugged in and connected to power injector or UC1000 Controller.  Press RESET on power injector or SCAN on UC1000 Controller.
Antenna unit scans but no picture on TV.	Improper connections made.	Make sure antenna unit is connected to power injector or UC1000 Controller, and power injector or UC1000 Controller is plugged in.  Make sure powered receiver is connected to TV and either the power injector or UC1000 Controller.
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 or SCAN on UC1000 Controller 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).

## 16 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.



**Simply better, by design.™**



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11200 Hampshire Avenue South, Bloomington, MN 55438  
PH 952.922.6889 || FAX 952.922.8424 || [kingconnect.com](http://kingconnect.com)

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22118 Rev A