

KING | ONE^{PRO}[™]

KOP4800 Owner's Manual



This manual is for units
manufactured on or after
11/16/2020.

Mfg. date is on serial number label.



Label is located on base.

For use with DIRECTV[®] satellite programming



The KING One Pro works with DIRECTV, DISH[®], and Bell[™] TV. This manual is for DIRECTV subscribers. Manuals for DISH and Bell subscribers are available at kingconnect.com/support.

Use this manual only if you are a DIRECTV subscriber.



The satellite TV market is expanding and changing. The information in this manual was accurate at the time of printing. If your KING One Pro Satellite Antenna does not operate as outlined in this manual, please call KING® at (952) 345-8147 or visit our website at *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 *kingconnect.com/support*.

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If you switch services, you will need the appropriate on-line manual to configure the antenna for your new service. Go to *kingconnect.com/support*. Go to the Satellite Products section. Under KING One Pro Premium Satellite Antenna, choose from the following:

MANUAL: WALLY RECEIVER (KING One Pro DISH Wally Receiver Owner’s Manual)

MANUAL: ViP RECEIVERS (KING One Pro DISH ViP Receiver Owner’s Manual)

MANUAL: LEGACY RECEIVERS (KING One Pro DISH Legacy Receiver Owner’s Manual)

MANUAL: BELL (KING One Pro Bell Owner’s Manual)

INTRODUCTION

Thank you for choosing the premium **KING One Pro Portable HDTV System!**

IMPORTANT SAFETY AND CARE INFORMATION

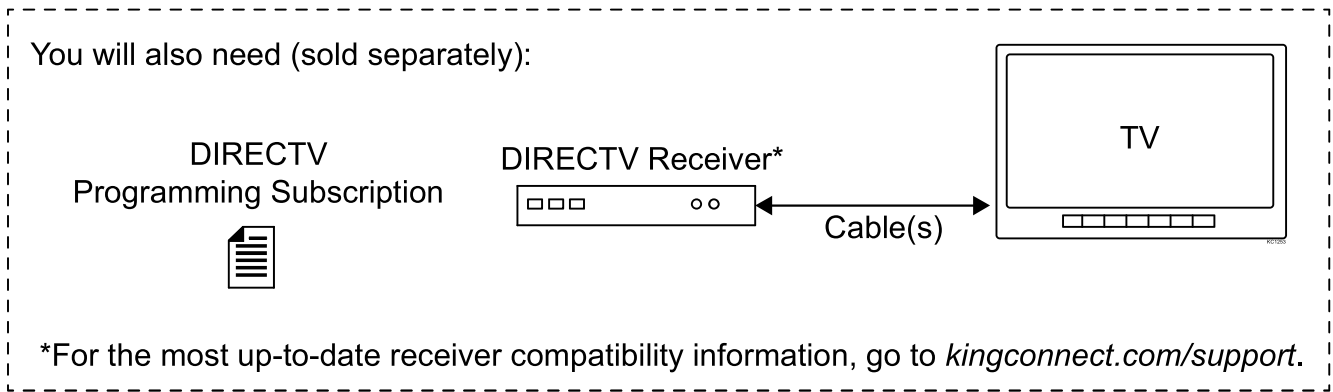
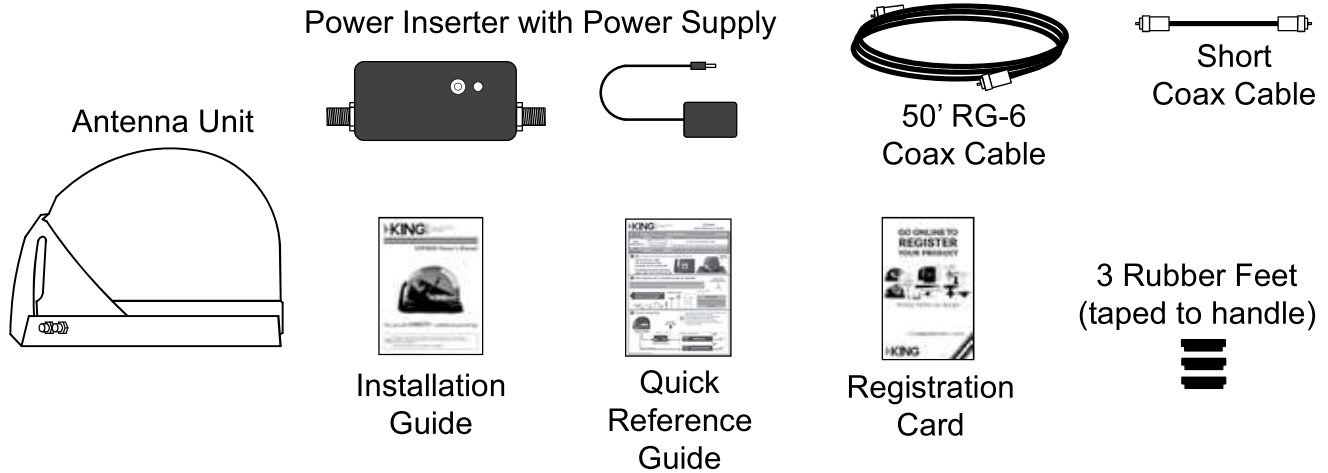
1. Keep the Quick Reference Guide and Installation Guide that came with your KING One Pro in a safe place for future reference. You may also print this on-line manual and keep it for future reference as well.
2. Follow all instructions and warnings. Set up and operate the KING One Pro in accordance with the instructions.
3. To avoid risk of electric shock, unplug your receiver before connecting/disconnecting the KING One Pro in damp or wet conditions.
4. Tighten all of the coax cable connections by hand only. If you use a wrench, you may over-tighten the connections and damage your equipment.
5. Always handle the KING One Pro carefully. Do not drop the KING One Pro. Avoid excessive shock or vibration to the KING One Pro.
6. Use caution when carrying the KING One Pro. Always carry the KING One Pro by the handle.
7. Do not remove the cover of the KING One Pro without authorization. Doing so will void the limited warranty.
8. Do not stack the KING One Pro on top of or below other electronic devices as this can cause heat build-up or block the satellite signal from reaching the KING One Pro.
9. Do not operate or store near any indoor or outdoor heat source such as radiators, heat registers, stoves, barbecues, campfires, or other items that produce heat.
10. Servicing may be required if the unit has been dropped or damaged in any way or if the unit does not operate normally. Call KING Customer Service at (952) 345-8147.
11. Do not power wash the KING One Pro.
12. Do not submerge the KING One Pro or place in standing water.
13. Keep the enclosure clean from dirt, bugs, and other debris by hand washing with mild soap and water.
14. Do not coat or paint the KING One Pro with any substance.

The KING One Pro has been designed to be maintenance and trouble free. If not using the KING One Pro 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 One Pro in good working order.

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

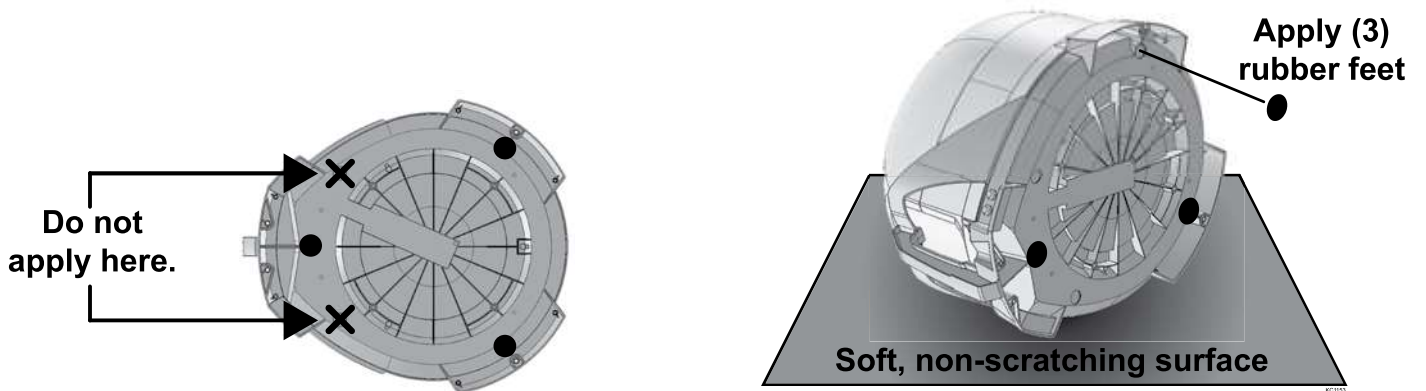
QUESTIONS? (952) 345-8147

UNBOX ANTENNA



APPLY RUBBER FEET

 Do not apply rubber feet if roof-mounting the antenna unit. See the included Installation Guide.



POSITION ANTENNA



POSITION THE ANTENNA TO HAVE A CLEAR VIEW OF THE SOUTHERN SKY.

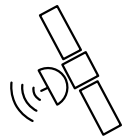
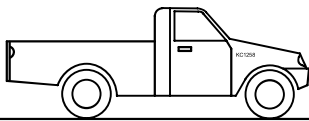
ALWAYS KEEP A CLEAR LINE-OF-SIGHT TO THE SATELLITES DURING AND AFTER THE SCAN.

SATELLITES IN SOUTHERN SKY



OBSTRUCTIONS

ANTENNA UNIT



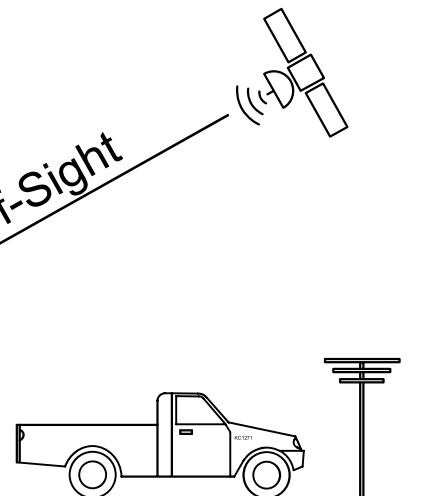
Reasonably level surface

SATELLITES IN SOUTHERN SKY



Clear Line-of-Sight

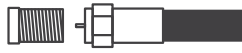
ANTENNA UNIT



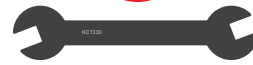
Pointing handle north may speed up scan but is not required.

OBSERVE CAUTIONS WHEN CONNECTING ANTENNA

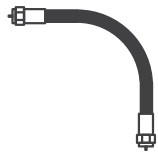
Hand-tighten 



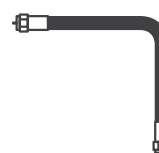
 No wrench




Gradual curves 



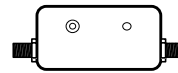
 No kinks or sharp bends



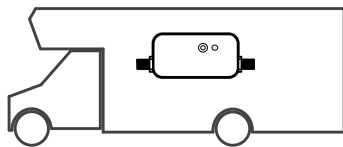
New KING Power Inserter that comes with antenna 



 Old KING Power Inserter or brand X



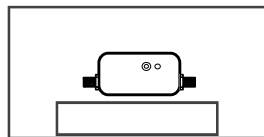
Indoor 



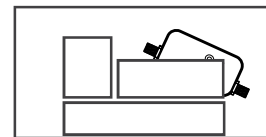
 Outdoor



Easy Access 



 Hard to Reach



 Keep coax out of the way



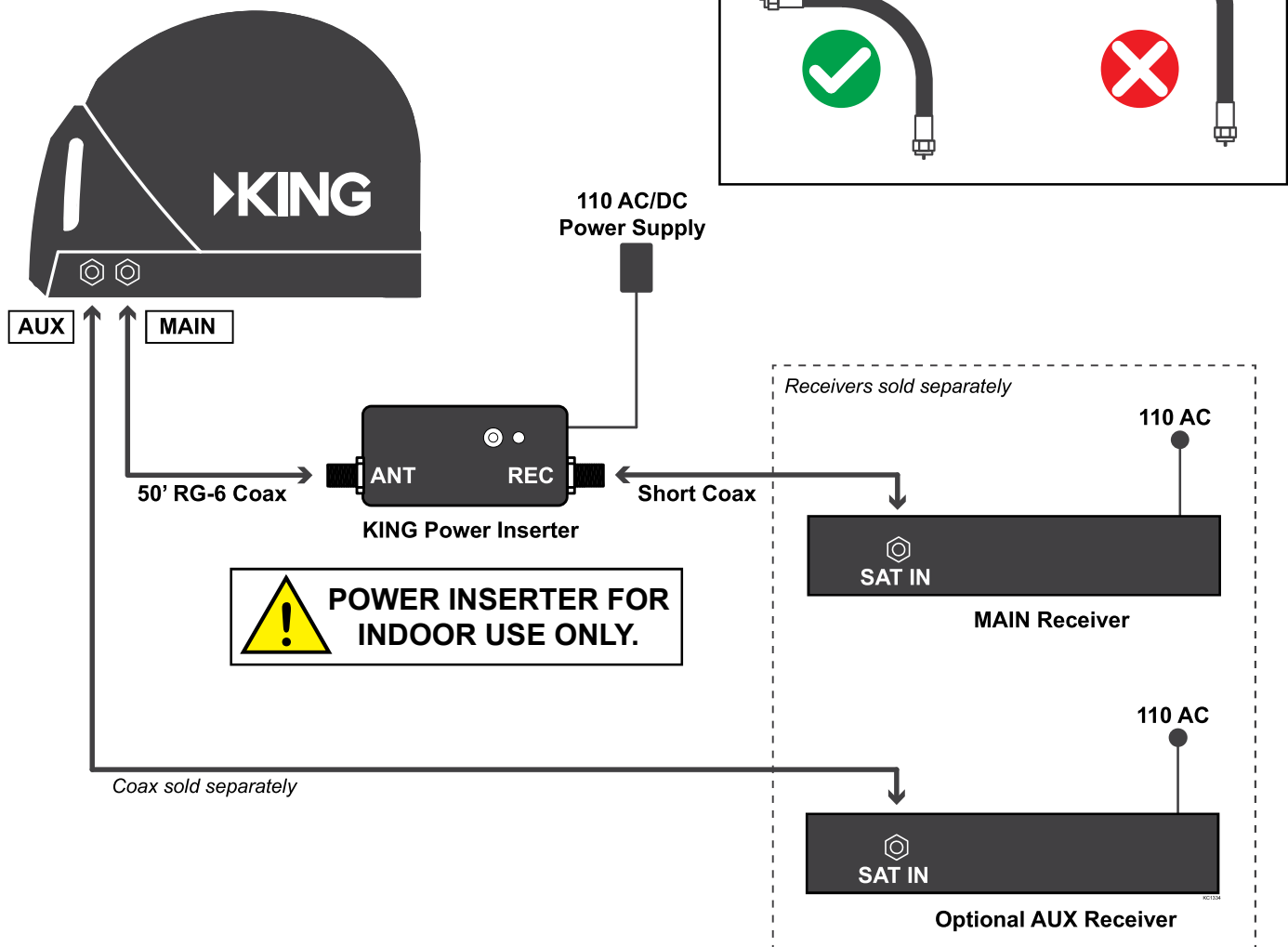
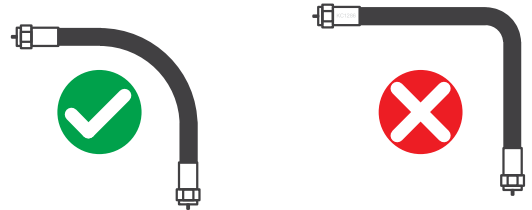
CONNECT ANTENNA BASED ON RECEIVER: PAGE 6 OR 7

RECEIVERS NOT H/HR25 OR HIGHER: USE THIS DIAGRAM



HAND-TIGHTEN COAX. OVER-TIGHTENING CAN DAMAGE CONNECTIONS.

No kinks or sharp bends!



Second receiver must be configured the same as the main receiver (see page 8).



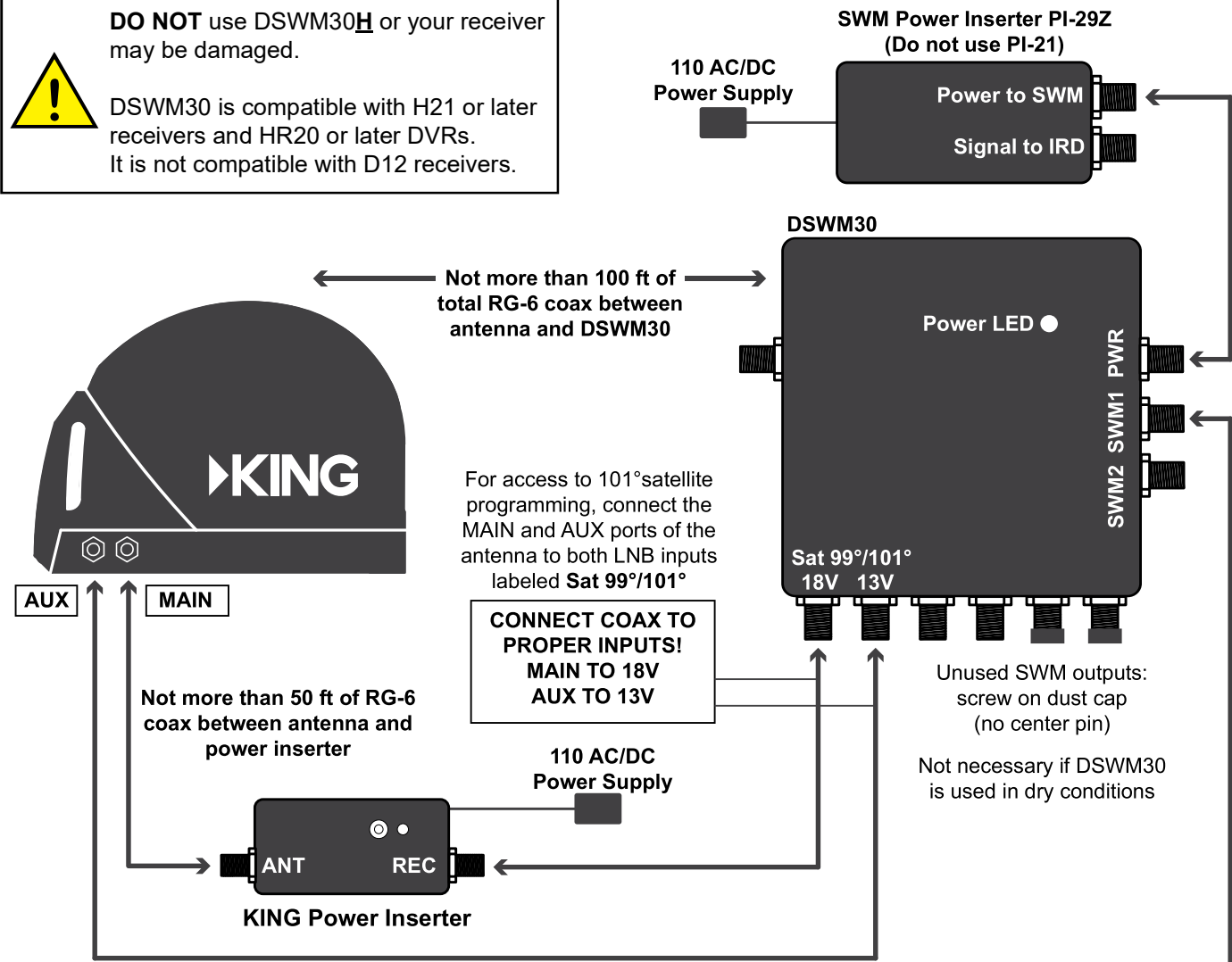
Second receiver must be the same as main receiver (SWM vs. non-SWM).

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.

RECEIVERS H/HR25 OR HIGHER: USE THIS DIAGRAM

DO NOT use DSWM30H or your receiver may be damaged.

DSWM30 is compatible with H21 or later receivers and HR20 or later DVRs. It is not compatible with D12 receivers.

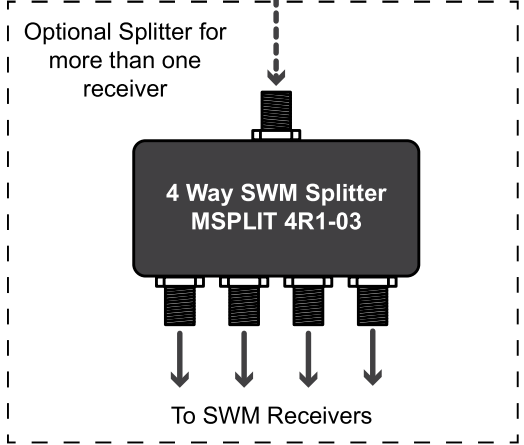


POWER INSERTER FOR INDOOR USE ONLY.



Receivers can be non-DVR or DVR receivers**


**If connecting to a DVR receiver, do not connect a coaxial cable to the Satellite 2 input. With SWM, only connect to the Satellite 1 port (labeled FTM or SWM)



KING Antenna, KING Power Inserter (with power supply), 50' coax and short coax included. All other items sold separately.

After making connections, the power inserter will boot up as follows:

Power Up  Pulsates orange for about 10 seconds.

Current Mode  Current mode setting flashes one time.
(One blue flash is the factory default setting: DIRECTV with alarm disabled.)

 Repeats...

Ready to Scan 
 Steady blue

CONFIGURE RECEIVER

Make sure your TV is on the correct input from your receiver.

If your receiver screen does not appear on your TV, check TV input by pressing Source/Input button on your TV or TV's remote.

Configure your receiver as follows:

- **Switch Type:** Multi-switch
- **Dish Type:** 3-LNB (18"x20") or 18x20" Triple-sat LNB



Make this one-time setting in the receiver's satellite setup menu.

SCAN FOR SATELLITES

Press and immediately release the power inserter button to start a scan.
The LED will flash blue during the scan.



When scan is complete and satellites are found, the LED will turn steady blue.



Watch TV. Enjoy!

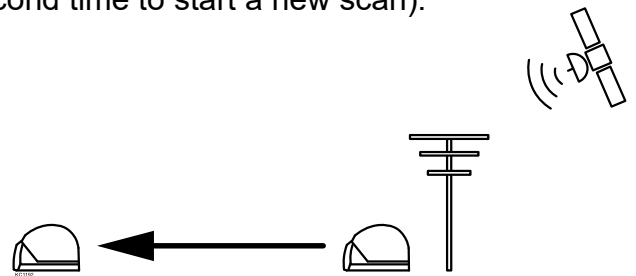


If one or both satellites were not found, you will get one of the flash patterns shown below.

If neither satellite is found, you will have to start a new scan (press button).

If only one satellite is found, you can press the button to turn the LED yellow and watch TV with limited channels (or press the button a second time to start a new scan).

Many times lack of satellite acquisition is due to obstructions. Try moving the antenna to have a better view of the southern sky before starting a new scan.



SATELLITES NOT FOUND

101 not found



119 not found



101 & 119 not found

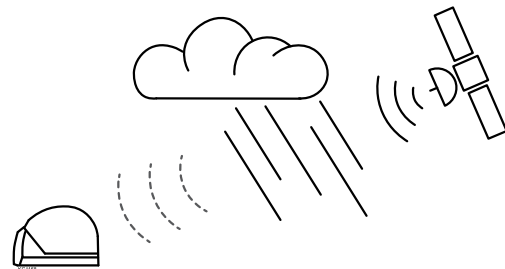


PLEASE BE PATIENT!

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

If you wish to start a new scan (for example the unit gets moved and you lose reception): press and release the power inserter button.

Inclement weather can reduce signal strength and cause temporary picture loss. Picture will return as conditions improve.



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

When using page 7 connection diagram, you will not receive programming from the 119 satellite.

NOTE: To use the alarm feature, see page 10.

ENABLE THE ALARM (OPTIONAL)



Use this procedure to enable the alarm.

You can enable or disable the alarm at any time using this procedure. See page 12 for an explanation of Modes 1-8.

This antenna is factory preset for MODE 1.

• **DIRECTV Service**

• **Alarm disabled**

To enable the alarm, follow the instructions on page 11 to choose MODE 5.

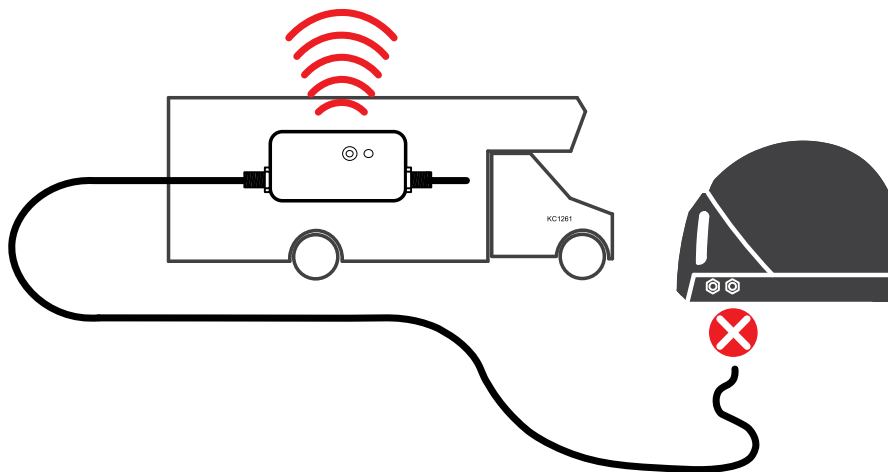
• **DIRECTV Service**

• **Alarm enabled**

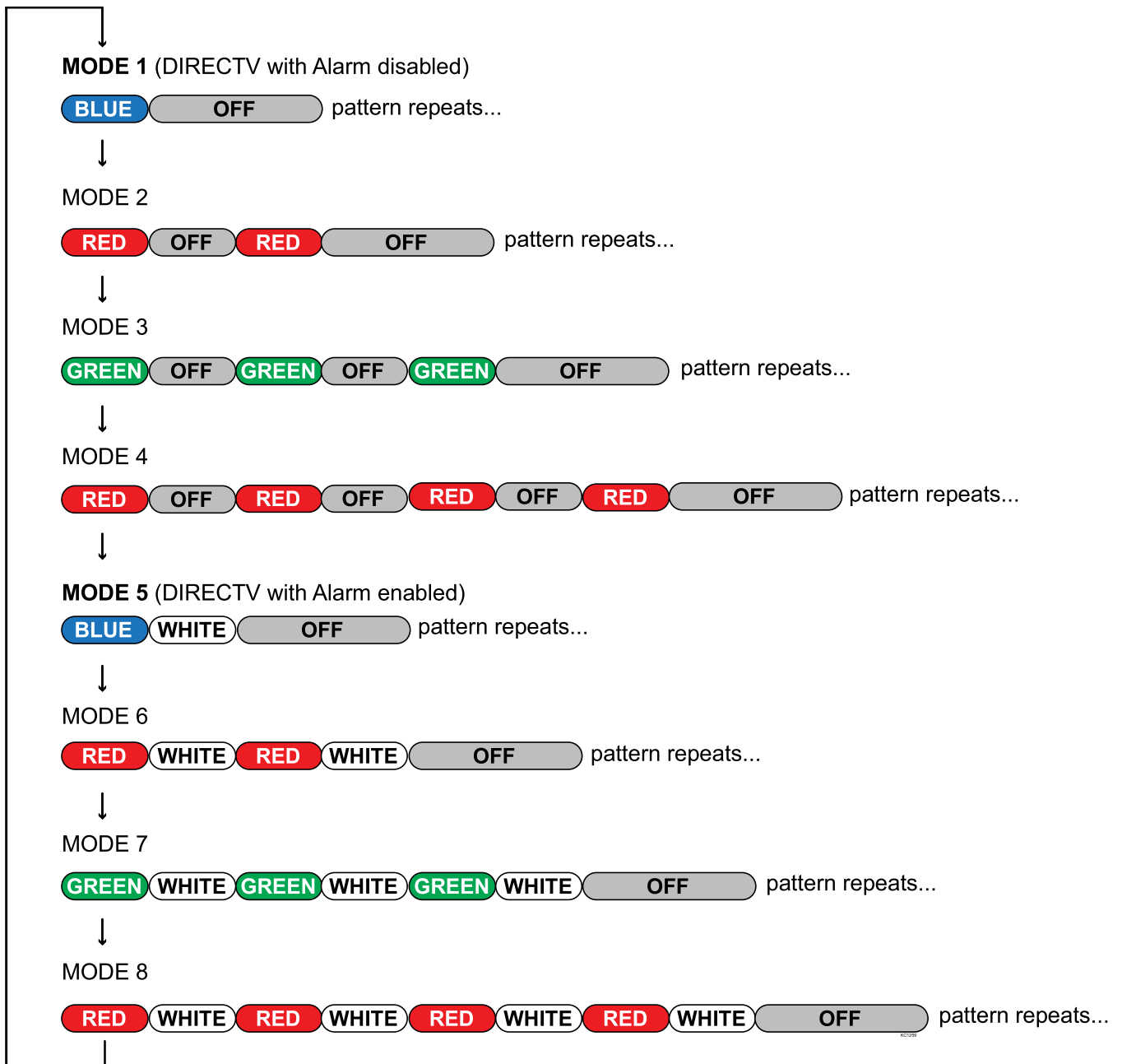
HOW THE ALARM WORKS

When enabled, the alarm will sound if the coax is disconnected from the antenna.

- Alarm shuts off after 10 seconds or when coax is reconnected.
- Alarm also sounds if coax is disconnected from power inserter.



1. Press and hold the power inserter button for 10 flashes of the LED. The LED will flash blue (factory default for new units).
2. Press and release the button repeatedly to choose MODE 5: alarm enabled (the LED will flash blue and white).



3. When Mode 5 is displayed, press and hold button for about 3 seconds until the LED starts flashing blue.

The alarm is now enabled.



Time Out Function: If you do not press the button for one minute after entering configuration mode, the power inserter will stay in whatever mode it was in before you entered configuration mode.

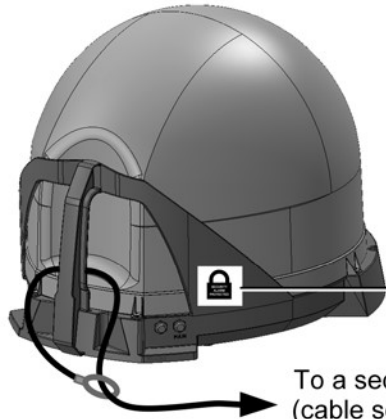
MODE CHART

MODE	SERVICE	SATELLITES		ALARM
1	DIRECTV	101, 119	DIRECTV Subscribers	DISABLED
	DISH	61.5, 110, 119, 129	DISH subscribers with Wally, ViP211z, 211k, 211 or 411 receivers	
2	DISH	110, 119, 129	DISH subscribers with receivers not listed in MODE 1	DISABLED
3	Bell TV	82, 91	Bell TV Subscribers	DISABLED
4	DISH	61.5, 110, 119	DISH subscribers with receivers not listed in MODE 1	DISABLED
5	DIRECTV	101, 119	DIRECTV Subscribers	ENABLED
	DISH	61.5, 110, 119, 129	DISH subscribers with Wally, ViP211z, 211k, 211 or 411 receivers	
6	DISH	110, 119, 129	DISH subscribers with receivers not listed in MODE 1	ENABLED
7	Bell TV	82, 91	Bell TV Subscribers	ENABLED
8	DISH	61.5, 110, 119	DISH subscribers with receivers not listed in MODE 1	ENABLED



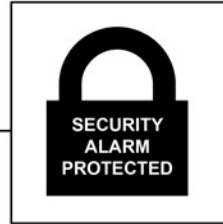
MODES 1 & 5: Antenna unit will detect either DIRECTV or DISH receiver and function accordingly.

SECURE THE ANTENNA



To a secure object
(cable sold separately)

The KING Antenna can be secured to an object by looping a cable through the handle.



If using the security alarm, apply the included sticker for additional theft deterrence.

TROUBLESHOOTING



If you connect or install the antenna unit using any of the vehicle's internal wiring/coax, and the antenna unit does not work properly, it could be the vehicle's wiring/coax. Connect a known good coax directly from the antenna unit to the power inserter and see if the problem goes away. If it does, the vehicle's wiring/coax is at fault. KING is not responsible for faulty vehicle wiring/coax.

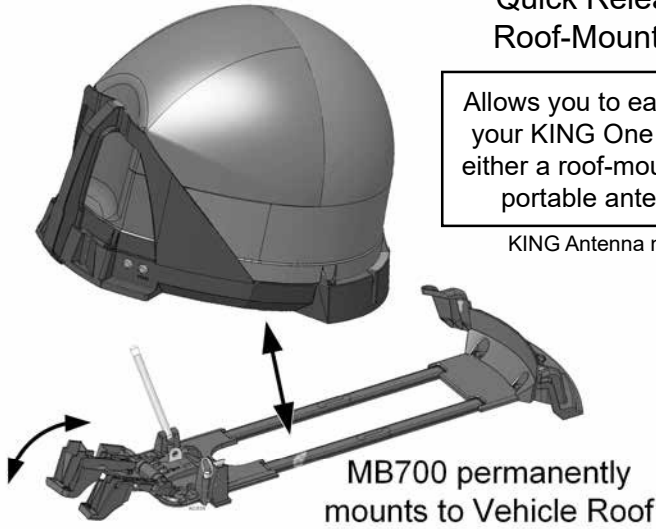
Symptom	Possible Cause	Troubleshooting
Antenna unit does not scan for satellites.	No power to antenna unit.	Make sure antenna unit is connected to power inserter. Make sure power supply is plugged into a known good power source and connected to power inserter.
Antenna unit scans but no picture on TV.	Improper connections made.	Make sure antenna unit is connected to power inserter, and power inserter is plugged in. Make sure powered receiver is connected to TV and the power inserter.
Antenna unit scans but does not find satellite.	Line-of-sight obstruction.	Move antenna unit to have a clear view of the southern sky. 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).

ACCESSORIES (Sold separately - see the satellite antenna accessories page at kingconnect.com)

MB700 Quick Release Roof-Mount Kit

Allows you to easily use your KING One Pro as either a roof-mounted or portable antenna.

KING Antenna not included.



MB500 Mounting Bracket

Includes (2)
Hanger Brackets



Allows hanging of antenna unit on vehicle window or included hanger bracket.

For stationary use only.
Vehicle must not be in motion while antenna unit is on window or hanger bracket.

KING Antenna not included.

CB1000 Carry Bag

KING One Pro fits securely inside. Features include zippered cover, foam padding, carry handles and pockets for cables, receiver and remote.

KING Antenna not included.



TR1000 Tripod Mount

Allows you to position your KING One Pro almost anywhere for best line-of-sight to satellite. Keeps antenna off the ground away from moisture.

KING Antenna not included.



MB160 Mounting Bracket



MB160 Mounts to
Back of Vehicle

The KING One Pro is not compatible with the MB100 Mounting Bracket. Use of the MB100 will void warranty.

The use of any unauthorized mounting bracket will void warranty.

KING Antenna not included.

LIMITED WARRANTY

KING One Pro Satellite Antennas are thoroughly inspected and tested before leaving the factory, and are covered by the following 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 labor is performed within the labor warranty period. The customer is responsible for all labor costs after one year.

Only KING and certified dealers 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.

A certified dealer must not perform any repair without first contacting KING for a Service Order Number. KING will advise the dealer on how to proceed with any repairs.

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.

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 may result in delays in processing claim. Along with product, customer should include in the box: his/her 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 an accessory other than a KING accessory 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 used with an accessory other than a KING accessory 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 product or any associated component has been opened without authorization or disassembled to any degree.
- 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 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.

FCC GUIDELINES

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not incur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Simply better, by design.™



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23432 Rev C

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