KOP4800 Owner’s Manual

For use with DISH® satellite programming

This manual is for use with DISH receivers except for the following:

- Wally®
- ViP® 211z
- ViP211k
- ViP 211
- 411

If you have one of the receivers listed above, do not use this manual. See the KING One Pro owner’s manual for these receivers at kingconnect.com/support.
IMPORTANT!

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

You are about to experience the excitement of satellite television programming and the convenience of the KING One Pro portable antenna, which delivers the very best HD picture and sound quality wherever you go.

INTRODUCTION

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 only by hand. 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
ABOUT SIGNAL LOSS

OBSTRUCTIONS

The KING One Pro requires an unobstructed view of the southern sky for the best signal reception.

Be sure to place the KING One Pro in a location free from obstructions such as people, trees, buildings, vehicles, etc. This will allow for the strongest signal and will help prevent any interruption to your programming. Point the handle approximately north to speed up scan time.

RAIN AND SNOW FADE

Though rare, heavy rain, snow, or dense cloud cover can reduce the satellite signal, which may interrupt your programming. Your programming should return as conditions improve.

SECURITY

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

Cable sold separately.
You will also need (sold separately):

- DISH Programming Subscription
- Power Inserter with Power Supply
- DISH Receiver
- Coax Cable 50' RG-6
- TV

Contents:

- Installation Guide
- Quick Reference Guide
- Registration Card
- Antenna Unit
- DISH Receiver Cable(s) KC1193

For the most up-to-date receiver compatibility information, go to kingconnect.com/support

Apply (3) rubber feet to Antenna Unit on a Soft, non-scratching surface.

Important!

Do not apply rubber feet if roof-mounting the antenna unit. See the Installation Guide included in the box.
Connect components in following order.

A  Connect coax cables.  B  Plug in power inserter.  C  Plug in receiver(s).

**Power inserter is for indoor use only.**
Place the power inserter in an accessible location.
Do not over-tighten the coax connections.
Do not put sharp bends or kinks in the cables.
Do not route the cables where they can be tripped on or run over by a vehicle.

**NOTE:** If your main receiver has two SAT IN ports: AUX coax may be connected to second SAT IN port for dual tuner usage.

After connecting and plugging in all components, wait for the power inserter LED to start flashing orange (about 10 seconds).

Go to the next page.
The KING One Pro comes factory preset for mode 1. You will need to choose either mode 2 (Western Arc) or mode 4 (Hybrid Arc) based on where you are in the country, and then configure the antenna as shown on the next page.

This is a one-time procedure unless you travel between the two modes and wish to reconfigure the antenna for better satellite acquisition (see additional notes in map box below).

<table>
<thead>
<tr>
<th>MODE</th>
<th>SERVICE</th>
<th>SATELLITES</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DIRECTV®</td>
<td>101, 119</td>
<td>DIRECTV subscribers</td>
</tr>
<tr>
<td></td>
<td>DISH</td>
<td>61.5, 110, 119, 129</td>
<td>DISH subscribers with Wally, ViP211z, 211k, 211 or 411 receivers</td>
</tr>
<tr>
<td>2</td>
<td>DISH</td>
<td>110, 119, 129</td>
<td>DISH subscribers with receivers not listed in MODE 1</td>
</tr>
<tr>
<td>3</td>
<td>Bell TV™</td>
<td>82, 91</td>
<td>Bell TV subscribers</td>
</tr>
<tr>
<td>4</td>
<td>DISH</td>
<td>61.5, 110, 119</td>
<td>DISH subscribers with receivers not listed in MODE 1</td>
</tr>
</tbody>
</table>

NOTE: This is an alternative mode to mode 2. Signal strength from the 129 may be reduced in the far northeastern US. Use this mode if you cannot lock onto the 129 when in this area.

Mode 2 will work for most of the country. The antenna unit may have trouble locking onto the 129 when in the northeastern United States (you can use the Dish Diagnostics Screen after a scan to check this).

If the antenna unit does not lock onto the 129, choose mode 4. Any programming from the 129 will not be available when using mode 4.

You can switch between the two modes as necessary when traveling between the coverage areas shown.
Make sure the LED is flashing orange (ready to scan)

To enter Configuration Mode, press and hold (~3 sec) the power inserter button until one of the options below appears

Press and release as needed to choose either Mode 2 or Mode 4

Press and hold (~3 sec) until LED flashes orange (ready to scan)

Go to next page to start a scan.
Press and release to start a scan

Antenna is scanning (flashing green)

All 3 satellites found

If all 3 satellites were found, go to page 10 and run the check switch.
If less than 3 satellites were found, you will get one of the flash patterns shown on the opposite page.

If not all satellites were found, you can still run the check switch on page 10, but you will have fewer available channels when it is complete.

Many times lack of satellite acquisition is due to obstructions. Try moving the antenna to have a better view of the southern sky, press the button once to turn the LED yellow, and a second time to start a new scan.

NOTE: If no satellites are found, you will have to start a new scan.

If you get a different color and/or flash pattern on the LED than steady green or one of the patterns shown on the next page, the LED is flashing an error code. Call KING Customer Service for an explanation of the problem.

(952) 345-8147
SATELLITES NOT FOUND

MODE 2 (Western Arc) and MODE 4 (Hybrid Arc)

No satellites found

110 not found
- YELLOW  RED  GREEN  GREEN  pattern repeats...

119 not found
- YELLOW  GREEN  RED  GREEN  pattern repeats...

129 not found
- YELLOW  GREEN  GREEN  RED  pattern repeats...

110 & 119 not found
- YELLOW  RED  RED  GREEN  pattern repeats...

110 & 129 not found
- YELLOW  RED  GREEN  RED  pattern repeats...

119 & 129 not found
- YELLOW  GREEN  RED  RED  pattern repeats...

MODE 4 (Hybrid Arc)

61.5 not found
- YELLOW  RED  GREEN  GREEN  pattern repeats...

110 not found
- YELLOW  GREEN  RED  GREEN  pattern repeats...

119 not found
- YELLOW  GREEN  GREEN  RED  pattern repeats...

110 & 119 not found
- YELLOW  RED  RED  GREEN  pattern repeats...

61.5 & 110 not found
- YELLOW  RED  RED  GREEN  pattern repeats...

61.5 & 119 not found
- YELLOW  RED  GREEN  RED  pattern repeats...

110 & 119 not found
- YELLOW  GREEN  RED  RED  pattern repeats...
Run a check switch test. This is a one-time procedure unless noted in gray box below.

NOTE: The SW64 switch is 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.

Step 5 is a one-time procedure that will not need to be repeated after successful installation, unless:

a) check switch test is run again while the receiver is connected to a home dish system.
b) check switch test is run when the receiver is not connected.
c) you travel outside the coverage area of either arc and switch to the other.
d) you are parked in an area where the selected satellites are blocked, but are able to select alternate satellites and get signal.

5.1 On the receiver remote, press MENU, 6, 1, 1 to go to the Point Dish screen.

5.2 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.

5.3 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.

5.4 Highlight “Test.” Press SELECT on your remote.

The receiver will perform a check switch test. This process can take a little while so PLEASE BE PATIENT.
5.5 When test is complete, a screen similar to one below should appear.

Because receivers are always changing, screen graphics may vary.

**MODE 2 (Western Arc)**

**Installation Summary**

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

**MODE 4 (Hybrid Arc)**

**Installation Summary**

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

If the indicated results are not obtained, go back to Step 5.1 and run test again. Contact KING if the check switch fails to load after 4 attempts.

5.6 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.

**NOTE:** Verify that your saved settings show your desired satellite trio: 61.5, 110, 119 (Hybrid Arc) or 110, 119, 129 (Western Arc).

5.7 When programming has downloaded, select your desired channel. **Enjoy!**

**OPERATING NOTES:**

For standard operation, make all connections and start a scan (step 4). Wait for programming to download, select your desired channel and watch TV.

If you move the vehicle, you will have to reacquire the satellites by repeating the scan process.

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

3. Verify “SuperDISH” and “Alternate” are not selected.

Verify “Test” is highlighted.

Press SELECT on your remote.

4. When test is complete, highlight “Save.”

Press SELECT on your remote.

See the next page for 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.
<table>
<thead>
<tr>
<th>Symptom</th>
<th>Possible Cause</th>
<th>Troubleshooting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antenna unit does not scan for satellites.</td>
<td>No power to antenna unit.</td>
<td>Make sure antenna unit is connected to power inserter.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Make sure power supply is plugged in and connected to power inserter.</td>
</tr>
<tr>
<td>Antenna unit scans but no picture on TV.</td>
<td>Improper connections made.</td>
<td>Make sure antenna unit is connected to power inserter, and power inserter is plugged in.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Make sure powered receiver is connected to TV and the power inserter.</td>
</tr>
<tr>
<td>Antenna unit scans but does not find satellite.</td>
<td>Line of sight obstruction.</td>
<td>Move antenna unit to have a clear view of the southern sky. Start a new scan.</td>
</tr>
<tr>
<td>Picture on TV goes in and out.</td>
<td>Temporary obstruction of signal.</td>
<td>Heavy rain or snow may cause loss of signal. Reception will improve as weather clears.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Make sure nothing is temporarily blocking view to the southern sky (like tree branches blowing in the wind).</td>
</tr>
</tbody>
</table>

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.
**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.

**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.

**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.
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 to 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 occur 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.™