STEP 1: Verify all components and parts are included, using figure at bottom of this page.

STEP 2: Install the KING JACK Antenna in one of two ways (Page 2):

- RV Mounting: Mount to a bat wing style retractable arm using the supplied RV Antenna Bracket.
- Pole Mounting: Mount to a stationary pole (on a house for example) using the supplied Pole Mount Bracket. DO NOT MOUNT TO A POLE ON A VEHICLE.

STEP 3: READ THE FOLLOWING INFORMATION CAREFULLY, THEN MAKE CONNECTIONS ON PAGE 3.

The KING JACK antenna is an amplified antenna that requires +12 volts power.

When using an existing power injector already in the RV

When replacing an existing amplified antenna that has an existing power injector, just replace the antenna head assembly and verify that you have power to the KING JACK antenna when the wall switch power injector is “ON.” A red LED light on the bottom of the KING JACK antenna will illuminate when +12 volts is present and the internal amplifier is powered. Do not use both the existing power injector and the power injector supplied with the KING JACK Antenna!

⚠️ Using two power injectors in the circuit can cause the KING JACK Antenna power supply to overheat, possibly causing injury or severe damage.

⚠️ Use either the existing power injector or the KING JACK power injector. WARNING: DO NOT USE BOTH POWER INJECTORS!

A typical power injector for an existing RV antenna will be a wall plate or A/V distribution box with an ON/OFF type switch.

When using the KING JACK antenna with the supplied power injector

Verify that any existing power injector has been disconnected.

STEP 4: Read the OPERATING INSTRUCTIONS on page 4 for antenna pointing instructions.

<table>
<thead>
<tr>
<th>Reception Frequencies</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHF: 47-230 MHz</td>
<td>Input: AC110-120V / AC220-240V</td>
</tr>
<tr>
<td>UHF: 470-860 MHz</td>
<td>Working: DC12V / 100mA</td>
</tr>
</tbody>
</table>
Option 1: BAT WING STYLE REPLACEMENT

1. Turn off antenna power injector at wall switch or A/V switch and raise the existing antenna.
2. Attach the RV antenna bracket to the KING JACK antenna with the 4 supplied sets of lock washers and screws.
3. Unscrew coax cable and remove existing bat wing style antenna (if present) from the retractable arm (keep retaining pins and clips). Line up holes in RV antenna bracket with holes in retractable arm and re-insert pins thru assembly. Re-install retaining clips (use new supplied retaining clips if necessary).
4. Fill end of existing coax cable with supplied dielectric grease and screw to antenna (DO NOT OVER TIGHTEN).  
   **Note:** If existing coax connector is corroded or damaged, replace with supplied new connector.

   If installing new coax cable (sold separately), connect as stated, and then route properly thru retractable arm and into vehicle. Make appropriate connections in vehicle.

   Coax Port

   BOTTOM VIEW

   Flat side of
   KING JACK
   should face towers
   (See page 4 for
   Operating instructions)

   RV Antenna Bracket

   (2) Existing
   Retaining Pins

   Retractable Arm

   (4) Lock Washers
   (4) Screws

   Note: Retaining pins must be installed with one pin in upper hole and one in lower hole of antenna bracket on opposing sides.

   Antenna may be mounted in either direction in order to clear obstacles such as AC units or roof vents.

Option 2: POLE MOUNT BRACKET

1. Attach the L-shaped bracket to the KING JACK antenna with the 4 supplied sets of lock washers and screws.
2. Remove 2 existing screws and 2 existing washers from L-shaped bracket. Attach pole clamp to the L-shaped bracket with the same screws and washers.
3. Place the clamp around an appropriate pole and tighten wing nuts.
4. Fill end of coax cable (sold separately) with supplied dielectric grease and screw to antenna (DO NOT OVER TIGHTEN).  
   **Note:** If replacing an existing antenna and the existing coax connector is corroded or damaged, replace with supplied new connector. Route coax cable and make appropriate connections.
5. Position antenna for maximum signal reception and tighten wing nuts to secure the antenna in this position.

   Coax Port

   BOTTOM VIEW

   Flat side of
   KING JACK
   should face towers
   (See page 4 for
   Operating instructions)

   L-Shaped Bracket

   Pole Clamp

   Pole

   (4) Lock Washers
   (4) Screws

   (2) Washers
   (2) Screws

   POLE MUST BE STATIONARY - NOT ON A VEHICLE.  
   This is a directional antenna and should be rotated on the pole to the position that provides maximum signal reception.
IMPORTANT!

Your RV may have more than one wall plate. Do not use the power injector supplied with the KING JACK antenna if an existing power injector is present.

NOTE: Illustration purposes only. Other configurations exist.
1. Turn on TV.
2. Turn on power to KING JACK antenna.
3. Perform a channel scan per the digital TV or digital TV converter box manufacturer’s instructions.
5. Rotate antenna 90 degrees. Rescan.
7. Re-position your KING JACK antenna to where you received the most channels. Choose one of those channels on your TV. Now monitor the signal strength screen and fine tune the KING JACK until the highest signal strength is achieved. Perform one final re-scan and watch TV!

**KING SURELOCK Digital TV Signal Finder (Sold separately)**

The optional KING SURELOCK Digital TV Signal Finder allows you to pinpoint the location of local DTV towers and eliminate the need for multiple channel scans. Consult your local dealer or visit www.kingcontrols.com for additional information.

### TROUBLESHOOTING

<table>
<thead>
<tr>
<th>SYMPTOM</th>
<th>POSSIBLE REASON</th>
<th>COURSE OF ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>No TV reception.</td>
<td>No power to antenna. (Red LED on antenna head is not lit.)</td>
<td>Make sure power supply is plugged into a known good 110-120 VAC source.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check for 12 VDC at power supply output. If not present, replace power supply.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check for 12 VDC at antenna port of power injector. If voltage is not present,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>replace power injector.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If voltage is present, the coax to the antenna or the antenna is bad.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Temporarily run a known good coax from the injector to the antenna. If you now</td>
</tr>
<tr>
<td></td>
<td></td>
<td>have power (red LED lit), replace the coax. If you don’t, replace the antenna.</td>
</tr>
<tr>
<td>Antenna pointed in wrong direction.</td>
<td></td>
<td>Perform a 4 quadrant search as shown in the operating instructions or use a</td>
</tr>
<tr>
<td></td>
<td></td>
<td>KING SURELOCK Signal Meter to locate TV towers.</td>
</tr>
</tbody>
</table>

**IMPORTANT! Do not power wash any part of the KING JACK antenna.**

### LIMITED ONE YEAR WARRANTY

Every new KING JACK-HDTV Antenna is covered by the following one year parts limited warranty from the date of original purchase:

- One 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 one year.

Should any trouble develop during the warranty period, contact KING. 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 customer cannot supply proof of purchase, warranty period shall start 30 days after date of manufacture. Only KING will perform warranty evaluations and repairs.

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.

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 is not transferable from the original owner.

This warranty also does not apply where:

- The product has been abused, misused, improperly installed or improperly maintained.
- 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 enclosure has been opened.
- Damage has been caused by power washing.
- Supplied grease not used in the external coax connection as specified in the instructions.
- 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 one 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.