Installation Manual

Automatic Multi-Satellite TV Antenna

Model SK-7003
TRAV’LER® Shaw Direct Antenna

www.winegard.com/mobile
For Technical Services, email help@winegard.com or call 1-800-788-4417

Product Registration
Please register your Winegard product by completing the online registration form at http://www.winegard.com/registration.
Before Installing the Antenna

You have selected the Winegard® TRAV’LER® automatic multi-satellite TV antenna. The TRAV’LER antenna will deliver the ability to view multiple satellites at the same time with unmatched signal strength, the lowest travel height on the market, maximum HD capabilities and easy to use functionality—just like you get at home. This manual provides important information on the installation and operation of your TRAV’LER antenna on an RV. Please take time to read the manual in its entirety before installing or operating your antenna.

Follow the instructions on this side if installing the TRAV’LER Shaw Direct antenna. For operation instructions, follow the instructions on the reverse side of the manual.

Specifications

Depending on location and receiver type, the following satellites can be accessed with the TRAV’LER Shaw Direct antenna during automatic operation: 107°, 111°.

- Height of assembled unit: 9.75”
- Width of assembled unit: 37”
- Length of assembled unit: 46”
- Width of mount base: 21”
- Length of mount base: 24”
- Unit Weight: 54 pounds (assembled)
- Shipping Weight: 59 pounds (mount), 33.5 lbs (reflector, LNBF, & feed arm)

Safety Recommendations

Do not attempt to install this system in the rain or under any wet conditions. Moisture may affect electronics and void your warranty.

Do not paint this antenna. Painting the TRAV’LER antenna will void your warranty.

Pay attention to the pinch points as the antenna raises. The pinch points should be labeled on the antenna (see fig. 2).
Clearance Requirements

The arm of the TRAV’LER antenna extends 33” from the center of the base and may operate only 6” above the surface to which the TRAV’LER antenna is mounted. To ensure you have adequate clearance for the TRAV’LER antenna to safely operate, check that there are no obstructions taller than 6” within 33” of the center of the base.

Also, check that there are no obstructions (such as tree limbs) above the antenna that will prevent it from raising. At its highest point, the antenna will extend to 39” above the roof to which it is mounted (see fig. 3).

Parts

Parts included with the SK-7003 are shown below. Note that the reflector, LNBF, and feed arm are packaged separately as SKA-733 and are not pictured here.
Choosing a Location for the Antenna

1. For best performance and to reduce signal acquisition time, park the vehicle on a level surface that is free of obstructions such as trees or large buildings. Make sure you have a clear view of the southern sky.

2. Before removing the TRAV'LER antenna from its box, contact your RV dealer or manufacturer. Your RV may be pre-wired or have a reinforced area for this system.

3. Then, choose a location on the roof that meets the following requirements:
   a. Offers enough support for a secure installation
   b. Allows dish to raise and rotate without interference from other roof-mounted equipment
   c. Has a minimum roof space of 46” x 37” for antenna (see fig. 4)
   d. Lacks obstructions taller than 6” mounted within a 33” radius from the center of the TRAV’LER base
   e. Has a gap of less than 3/16” between the bottom of the antenna and the roof
   f. Is within 5 degrees of level, or the system may require more time to locate satellites (for best operation, must be within 3 degrees of level)

WARNING
Do not install the antenna in a location where a gap of 3/16” or more exists between the bottom of the antenna and the roof, as the antenna may damage the roof

Choosing a Location for Cables to Enter the Vehicle

Once you have chosen a location for the TRAV’LER antenna, choose a location for the cables to enter the vehicle. Keep in mind the following:

1. The TRAV’LER interface box must plug into a well-ventilated 110 V outlet.
2. The 24” AC power cord must be long enough to extend from the outlet to the interface box power supply, which will then connect to the interface box.
3. The 30’ control cable must be long enough to extend from the mount base to the interface box.
4. One 30’ coax cable will need to be run from the mount base to each receiver inside the vehicle. Note that the provided coax cables only include a connector on one end.
5. Wires should not be run through the striped area (see fig. 5). Anything in the striped area will interfere with the operation of the TRAV’LER antenna and may cause damage to the object or to the antenna.

Make sure cables are long enough to reach their destination points inside the vehicle. For cable runs longer than 30’, an extension may be purchased. Winegard recommends using Model CL-SK26 25’ extension cable. Do not exceed 55’ of cable!

WARNING
Winegard is NOT liable for damage, expenses, or injury caused by improper installation.
Installing the Antenna

1. Place the TRAV’LER antenna on the roof where you plan to install it. On the mount base, the transition plate is marked “FRONT” and “BACK.” Rotate the TRAV’LER antenna until the front of the mount base faces the front of the RV. **The TRAV’LER antenna must be installed on or parallel to the centerline of the coach.** See figure 6.

   ![Image of antenna installation](image)

   **FIGURE 6.** Antenna (fully assembled) installed parallel to centerline of RV

   **TIP** When installing the antenna on a rubber roof, Winegard recommends using Model SKA-004 roller plate, which is designed to create a solid landing area for the roller. If not using this plate, make sure that the roller does not come in contact with any rib supports or bubbles in the roof when in operation. Failure to do so may result in damage to the roof.

2. Verify that the marked “FRONT” of the transition plate is facing the front of the vehicle (see fig. 7).

   ![Image of transition plate](image)

   **FIGURE 7.** Marked “FRONT” of transition plate on fully assembled antenna

3. Mark the location where the nine screw holes will go. It is important that you can see these marks on the roof of the RV. Then, move the mount base out of the installation area. **It is recommended that you do not pre-drill the screw holes at this time.**

4. To prevent water from getting into the mount base, use a solid line of approved sealant to connect the marks in the shape of the base. This step **must** be completed, or the unit will fail due to corrosion. Replace the TRAV’LER antenna base.

5. Before using the supplied mounting screws, check with your vehicle manufacturer for any special screw requirements. Then, screw the antenna base to the roof using nine mounting screws.

6. Run a solid bead of sealant around the edge where the transition plate meets the roof, making sure to cover each screw head. Be careful not to get any sealant above the transition plate.
Installing the GPS Antenna

The GPS antenna is connected to the TRAV’LER antenna via a 6’ cable running to port E on the TRAV’LER mount base.

1. To install the antenna, find an open area at least 18” from either side of the mount base.

2. Place a small dot of sealant at the chosen location for the GPS antenna.

3. Place the GPS antenna on the sealant, and press the antenna into place.

4. Secure any excess cable. **Do not cut the GPS cable.**

Overview Setup

1. Drill a 1” hole in the roof, and push the power/control cable and coax cables through the hole. Place the supplied cable entry plate over the hole and cables, and screw the plate in place using eight of the supplied mounting screws. Seal the plate and screw holes with approved sealant (not included).

   **TIP** Depending on the length of the cable on the roof, you may need to use cable clamps between the unit and the cable entry plate. Clamping every 12–16” should eliminate any unnecessary cable movement.

2. Connect the power/control cable running from the mount base to the “DC OUT/ANT. COMM.” port of the interface box.

3. Connect the power supply to the “DC IN” port of the interface box.

4. Connect one end of the AC power cord to the power supply and the other end to a 110V outlet.

5. Connect a coax cable from the mount base to each receiver. The receiver(s) should already be connected to the TV(s). Note that the provided coax cable only includes a connector on one end.
Installing the Reflector, LNBF, & Feed Arm

Note that the reflector, LNBF, and feed arm are packaged separately as SKA-733.

1. Press and hold “POWER” for two seconds to turn on the interface box. Wait until the interface box finishes “connecting to antenna.” The TRAV’LER® antenna may enter the search routine after ten seconds. Pay attention to the pinch points as the antenna raises!

2. Wait until the antenna has at least raised to a position in which the lift arms are perpendicular to the roof. Then, press “POWER” and “SELECT” at the same time. The antenna should stop moving.

3. Unplug the interface box.

4. Insert the two longer screws into the top two holes in the front of the reflector.

5. Slide a wedge-shaped clamp onto each screw sticking out the back of the reflector.

6. Thread a nut onto each screw; make sure the nut is tight to keep the clamp from falling.

7. Align the two anchor posts on the back of the reflector with the two notches in the skew plate (see fig. 9). Then, set the reflector on the skew plate; the reflector should be positioned with the LNB arm at the bottom of the plate. Carefully use the clamps on the back of the reflector to hold the reflector in place (see fig. 10A); make sure that the thicker part of the clamp is to the outside of the reflector.

8. Once the top screws and clamps are in place, install the lower screws and clamps.

9. With the bracket mounted securely, connect the four coax cables to the mount (see fig. 10B).

10. Locate the cable tie on the coax cables that you just connected to the mount. Place the p-clamp on the cables so that it is just below this cable tie. If the cable tie is missing, install the clamp 14” from the end of the connectors.

11. Carefully screw this clamp to the front of the lift arm using the provided 5/16” screw (see fig. 10C). Warning: Be careful not to strip out the hole for the 5/16” screw when you replace the clamp holding the coax cables to the arm. Do not use a power tool. Do not overtighten this screw.

12. Plug in the interface box.

13. Press and hold “POWER” for two seconds to turn on the interface box. Press the Power button again to stow the antenna.
WINEGARD MOBILE PRODUCTS LIMITED WARRANTY
(2 YEARS PARTS; 1 YEAR LABOR)

Winegard Company warrants this product against defects in materials or workmanship for a period of two (2) years from the date of original purchase. During year one (1) of such warranty, Winegard Company will also pay authorized labor costs to an authorized Winegard dealer to repair or replace defective products. No warranty claim will be honored unless at the time the claim is made, Customer presents proof of purchase to an authorized Winegard dealer (to locate the nearest authorized Winegard dealer, contact Winegard Company, 3000 Kirkwood Street, Burlington, Iowa 52601, Telephone 800-288-8094 or visit www.winegard.com). Customer must provide proof of purchase with a dated sales receipt for the Winegard product to verify the product is under warranty. If the date of purchase cannot be verified, the warranty period shall be considered to begin thirty (30) days after the date of manufacture.

If a defect in material or workmanship is discovered, Customer may take the product to an authorized Winegard dealer for service. Customer must provide proof of purchase to verify the product is under warranty. If the product is brought to an authorized Winegard dealer for service prior to expiration of year one (1) of the warranty period and a defect in material or workmanship is verified by Winegard Technical Services, Winegard Company will cover the Winegard dealer’s labor charges for warranty service. The Winegard dealer must contact Winegard Technical Services in advance for pre-approval of the service. Approval of the service is at the sole discretion of Winegard Company.

Alternatively, Customer may ship the product prepaid to Winegard Technical Services (located at 2736 Mt. Pleasant Street, Burlington, Iowa 52601, Telephone 800-788-4417). Customer must return the product along with a brief description of the problem and provide Winegard Technical Services with Customer’s name, address, and phone number. Customer must also provide proof of purchase to verify the product is under warranty. If the product is returned before the expiration of the warranty period, Winegard Company will (at its option) either repair or replace the product.

This Limited Warranty does not apply if the product has been damaged, deteriorates, malfunctions or fails from: improper installation, misuse, abuse, neglect, accident, tampering, modification of the product as originally manufactured by Winegard in any manner whatsoever, removing or defacing any serial number, usage not in accordance with product instructions or acts of nature such as damage caused by wind, lightning, ice or corrosive environments such as salt spray and acid rain. This Limited Warranty also does not apply if the product becomes unable to perform its intended function in any way as a result of the television signal provider making any changes in technology or service.

RETURN AUTHORIZATION POLICY

A Return Material Authorization (RMA) is required prior to returning any product to Winegard Company or Winegard Warranty Services under this warranty policy. Please call our Technical Services Department at 800-788-4417 or send an email to warranty@winegard.com to obtain the RMA number. Please furnish the date of purchase when requesting an RMA number. Enclose the product in a prepaid package and write the RMA number in large, clear letters on the outside of the package. To avoid confusion or misunderstanding, a shipment(s) without an RMA number(s) or an unauthorized return(s) will be refused and returned to Customer freight collect.

WINEGARD COMPANY DOES NOT ASSUME ANY LIABILITIES FOR ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, MADE BY ANY OTHER PERSON. ALL OTHER WARRANTIES WHETHER EXPRESS, IMPLIED OR STATUTORY INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY ARE LIMITED TO THE TWO YEAR PERIOD OF THIS WARRANTY.

In states that do not allow limitations on implied warranties, or the exclusion of limitation of incidental or consequential damages, the above limitations or exclusions do not apply. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion of limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty gives Customer specific legal rights. Customer may also have other rights that may vary from state to state.
## Troubleshooting

<table>
<thead>
<tr>
<th>Error Description</th>
<th>Possible Cause</th>
<th>Potential Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Antenna Connection Failed</strong></td>
<td>Check the data cable connection on the back of the interface box. It may not be connected properly.</td>
<td>Contact Winegard Technical Support at <a href="mailto:help@winegard.com">help@winegard.com</a> or 1-800-788-4417.</td>
</tr>
<tr>
<td><strong>El Home Failure</strong></td>
<td>Something is preventing the mount from raising as it attempted to find the HOME position.</td>
<td>Look for obstructions. If the obstruction may need to be cleared, refer to the emergency manual stow instructions in the operation manual.</td>
</tr>
<tr>
<td><strong>Az Motor Stalled</strong></td>
<td>There is no obvious obstruction. Contact Winegard Technical Support at <a href="mailto:help@winegard.com">help@winegard.com</a> or 1-800-788-4417.</td>
<td>Some things is preventing the mount from raising or lowering; look for obstructions.</td>
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<td>Check the data cable connection on the back of the interface. Il may not be connected properly.</td>
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<td><strong>Stow Failure</strong></td>
<td>The TRAV'LER antenna is not stowed. Do not try to move the vehicle. Try to stow the TRAV'LER antenna again.</td>
<td>If it fails again, check for obstructions.</td>
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<td><strong>Az Motor Runaway</strong></td>
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**Note:** When the TRAV'LER antenna is not seeing the required 12–18 VDC needed to power the LNBF, check the coax connections. If these are all connected properly, contact Winegard Technical Support at help@winegard.com or 1-800-788-4417.

**For changes to Shaw Direct programming or to purchase new Shaw Direct equipment, visit shawdirect.ca or call 1-888-554-7827.**
1. Connect your Shaw Direct receiver to the TV using the appropriate audio and video cables. (Refer to your television user manual for the best audio/video connections).

2. If you have not chosen a programming package for your Shaw Direct system or added this receiver to your existing Shaw Direct account, please call 1-888-554-7827 prior to using your Shaw Direct receiver for the first time.

3. Ensure that your Shaw Direct receiver is connected to power.

4. Locate the coaxial feed coming from the TRAV'LER system.

5. Connect the coaxial feed coming from the TRAV'LER system to the coaxial input labeled with the symbol of a satellite dish.

6. Power on the Shaw Direct receiver and entertainment. If your TRAV'LER system is properly tuned and receiving signal, the satellite dish icon on the front of the Shaw Direct receiver will be highlighted in green.

3. The user menu consists of four choices: Search Mode, Diagnostics, Installation, and Exit. Press the Enter button to choose Search Mode.

4. Search Mode

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<th>Multi-Sat Mode</th>
<th>Manual 61</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selected</td>
<td>Manually</td>
</tr>
</tbody>
</table>

5. In the Search menu, choose from the following: Multi-Sat Mode (normal search mode), Manual 111, Manual 107, Manual 61, Main Menu (returns to the user menu) or Exit (enters the search routine). Press the Select button to cycle through satellites until the asterisk is next to the satellite you wish to search on. Then, press Enter to begin a search for your chosen satellite. If the TRAV'LER interface has been tuned and receiving signal, press Enter to confirm the selection. The TRAV'LER interface will then acknowledge which satellite has been selected.

6. The TRAV'LER antenna is a versatile satellite antenna and can be manually set to find many different satellites individually. Diagnostics is rarely used. The instructions assume that the antenna is already in the stowed position. Note: Diagnostics and Installation menus are not required for normal operation and should only be entered by a trained professional.

1. If your Shaw Direct system is powered on and not tuned to Shaw Direct satellites, the satellite icon on the front of the Shaw Direct receiver will be displayed in red. Turn on the TRAV'LER unit or troubleshoot it to receive a positive signal.

2. Press and hold "POWER" for two seconds or until the TRAV'LER interface displays "POWER ON." Then, press and hold "ENTER for two seconds to turn the power off. The TRAV'LER antenna will remain in manual mode until you select "Multi-Sat Mode" again.

3. Power OFF? *Yes No

4. The interface will ask you to confirm the change. Press "SELECT" to move the asterisk to “Yes.” Then, press "ENTER" to confirm the selection. The TRAV'LER interface will then acknowledge which satellite has been selected. Press the Enter button.
Automatic Operation

The TRAV'LER antenna offers a simple one-button operation. Simply press "POWER" and the antenna will automatically begin searching for satellites. The instructions assume that the antenna is already in the stowed position.

1. Press and hold "POWER" for two seconds until the TRAV'LER interface displays "POWER ON". The TRAV'LER antenna will display "SEARCHING" on the bottom line.

2. Once the unit has been powered on, the interface screen will display the type of satellite dish on the top line. The antenna will begin to look for satellites.

3. Release "POWER". The TRAV'LER antenna will begin to look for a satellite. Upon finding a satellite, the antenna will fine-tune or "peak" on the signal.

4. The TRAV'LER antenna will lock onto two different satellites: 111° and 107°. The antenna will display an asterisk for each satellite found.

5. The antenna will find its home position and begin to look for a satellite. Upon finding a satellite, the TRAV'LER antenna will fine-tune or "peak" on the signal.

6. In automatic search mode, the TRAV'LER antenna will lock onto two different satellites: 111° and 107°. The antenna will display an asterisk for each satellite found.

7. Continue to page 2 if setting up the receiver for the first time or if setting up the receiver after moving the receiver from the house to the RV. If the receiver is already set up in the RV, you are now ready to watch TV!

Emergency Power Off

Do not move the vehicle until the TRAV'LER antenna is stowed. Travel position before traveling. Do not move the vehicle until the TRAV'LER antenna is stowed. The antenna comes with an emergency power off feature. To activate it, press and hold "POWER" and then press "SELECT" while still holding "POWER". The TRAV'LER antenna will stop and turn off. If the emergency power off feature is used to stop the antenna, it may be necessary to use emergency manual stow. Emergency Manual Stow

Before traveling, make sure to press "POWER" and wait for the antenna to start to power up; then press "POWER" again to initiate the stow sequence. TIP To turn off the power to the TRAV'LER antenna after the antenna has locked onto satellites, press "POWER" and "SELECT" at the same time.

Ready to Travel?

The TRAV'LER antenna is not meant for use while traveling. Follow the instructions when entering the user menu for manual operation. See page 2.

User Menu

The interface includes a user menu for some advanced features. The options most commonly used are the ability to change the dish type, check software/hardware versions, change desired satellite configuration, or manually move the dish. Improper use of the user menu could cause damage to the TRAV'LER antenna and/or vehicle. Follow the instructions when entering the user menu for manual operation.

WARNING

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