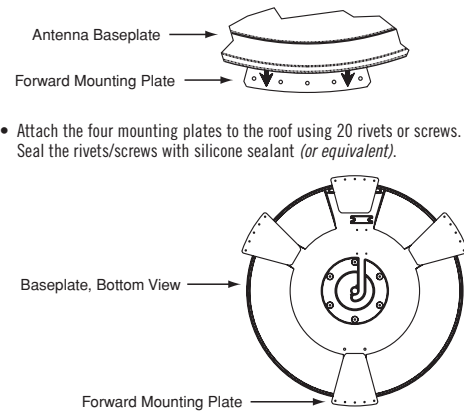


KVH® TracVision® Land Mobile Installation

1 Mount the Antenna

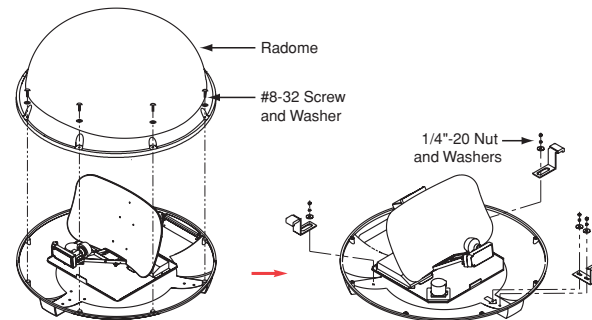
- Find a location on a flat part of the roof away from any obstructions that might block the satellite signal (the antenna should be at least 18" away from the nearest air conditioner).
- Apply construction adhesive to the bottom of the mounting plates across all of the holes. Then place the antenna on the roof so that the two arrows on the antenna's front mounting plate point toward the front of the vehicle.



- Attach the four mounting plates to the roof using 20 rivets or screws. Seal the rivets/screws with silicone sealant (or equivalent).

2 Disengage the Shipping Restraints

- Remove the radome (8 screws and washers).
- Remove the tie-wraps and nuts/washers securing the three shipping restraints to the baseplate. Rotate the restraints 180° and secure them in place with the nuts/washers. Reinstall the radome.

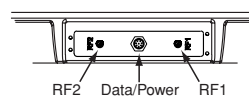


3 Cut Out the Switchplate Mounting Hole

- Find a dry, flat location inside the vehicle, within 27' of the antenna, for mounting the switchplate. **The switchplate should be easily accessible to the user.**
- Using the supplied template as a guide (see Appendix C in the *Owner's Manual*), cut out the switchplate mounting hole.

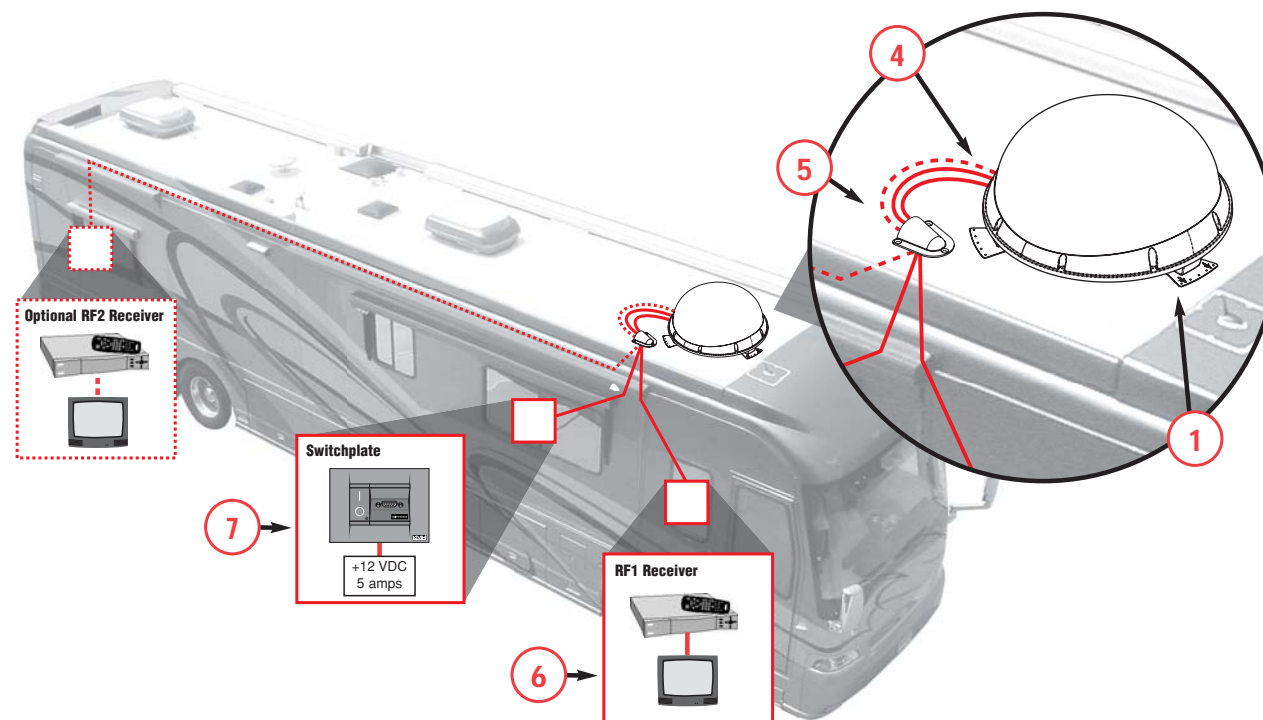
4 Wire the Antenna

- Drill a 3/4" cable access hole in the roof.
- Connect the data/power cable to the antenna's center connector.
- Connect the RF cable(s) to the antenna. Connect one RF cable to the antenna's "RF1" connector. If you plan to connect more than one receiver, connect a second RF cable to the "RF2" connector.



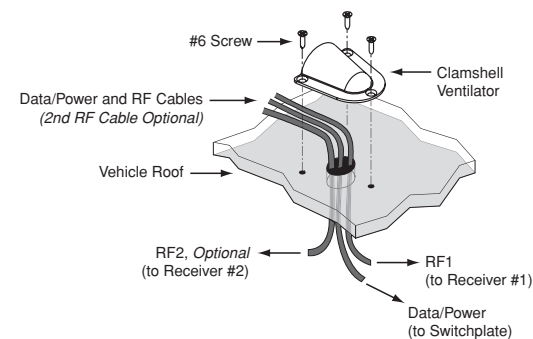
⚠ Be sure to tighten the sealing nut, found at the base of the connector, onto the end of the RF cable.

- Route the cables down through the access hole in the roof. Be sure to maintain a service loop (approx. 8") on the roof to allow plenty of slack.



5 Seal the Cable Access Hole

- Seal the access hole with a liberal amount of silicone sealant (or equivalent).
- Install the clamshell ventilator over the hole to protect against leakage.



6 Wire the Receiver

- Connect the RF1 cable to the receiver's "Satellite In" connector.
- Connect the receiver ground wire to the receiver's rear panel. Route the other end of the ground wire to the switchplate.
- If you need to connect two receivers, connect the RF2 cable and a second ground wire to the second receiver. If you need to connect more than two receivers, you will need to install a multiswitch. See the *Owner's Manual* for details.



L2/S2 Only If you are connecting a DIRECTV® receiver equipped with a low-speed data port, you can connect the data port to the switchplate. This allows the receiver to control satellite selection. See the *Owner's Manual* for details.

Technical Support

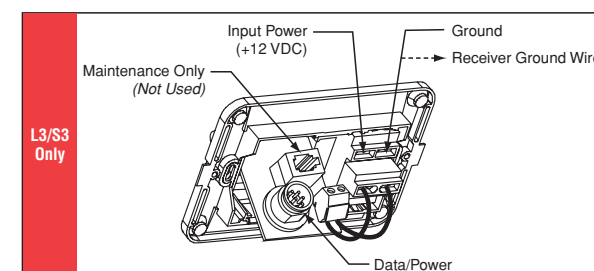
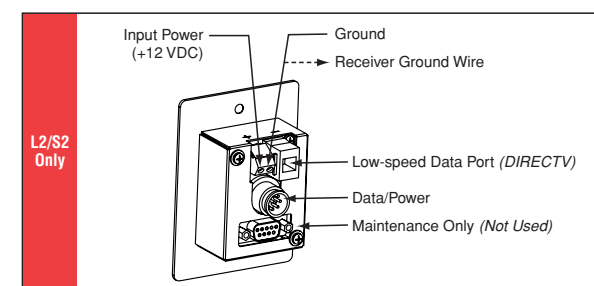
If you need technical assistance, please contact KVH Technical Support:
Phone: 1-401-847-3327 (press 3,5, then 1) • E-mail: techs@kvh.com
Internet: www.kvh.com/help

7 Wire the Switchplate

- Connect the data/power cable to the switchplate.
- Connect the receiver ground wire(s) to the switchplate's ground terminal.

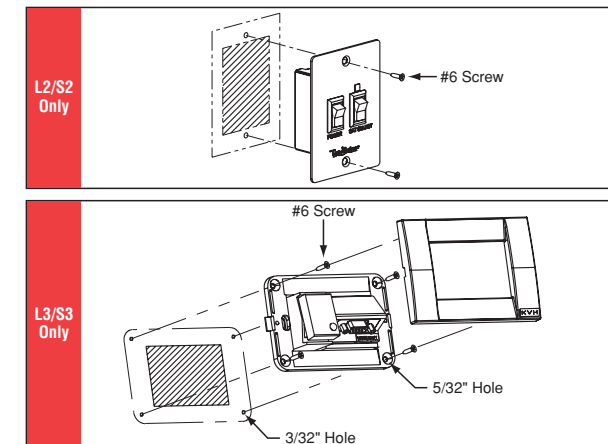
⚠ Before connecting vehicle power, disconnect power by removing the appropriate vehicle fuse. Test the circuit to ensure that no power is present.

- Connect the vehicle power and ground wires to the switchplate's power and ground terminals. The system requires clean +12 VDC, 5-amp power. KVH strongly recommends using a 12 VDC, 5-amp AC/DC power supply to power the TracVision system.



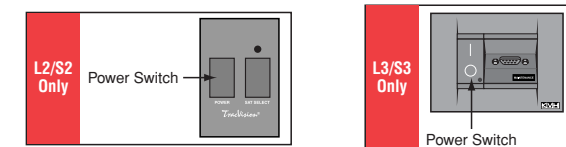
8 Mount the Switchplate

- Secure the switchplate to the mounting surface using #6 screws.



9 Test the System

- Park the vehicle in a blockage-free area. The antenna requires an unobstructed view of the southern sky to receive satellite signals.
- Reconnect vehicle power and turn on the receiver, TV, and TracVision system.



- Verify a satellite signal appears on the TV. If no picture is seen, check the connections and ensure the antenna is tracking the correct satellite. See the *Owner's Manual* for details. Only the preview channels are viewable until the customer activates the receiver.

L2/L3 Only Take a road test and verify that the antenna tracks the satellite while the vehicle is moving.

- For instructions on operating the receiver, refer to the receiver owner's manual.

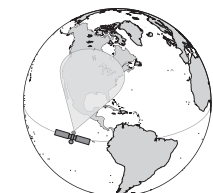
L2/S2 Only If the customer wants to receive DISH 500 service, configure the system for DISH 500 mode. See the *Owner's Manual* for details.

L3/S3 Only If the customer wants to track a satellite that is not the default, configure the system for the different satellite. See the *Owner's Manual* for details.

10 Complete the Installation

- Fill out the Installation Report, found in the *Owner's Manual*, and send it to KVH.
- Give the *Owner's Manual* to the customer and inform the customer about the system's use and limitations:

- How to activate the receiver, if the receiver is not activated already.
- How to operate the TracVision system.
- The new height of the vehicle.
- The antenna must have a clear view of the southern sky to receive satellite signals. See the *Owner's Manual* for details about common causes of blockage.



Receiver Activation

The customer must activate the receiver to watch satellite TV.
To activate a DIRECTV receiver, call KVH at 1-888-584-4163.
To activate a DISH Network receiver, call 1-800-333-DISH.