

TracVision® TV1 Installation Checklist



Required to validate your installation

Installation Information

Vessel Name: _____ Customer Name: _____

Antenna Serial Number: _____ TV-Hub Serial Number: _____

Installing Technician: _____ Installing Company and Date: _____
MM/DD/YYYY

Installing Company Address: _____

City: _____ State/Province: _____

Postal/Zip Code: _____ Country: _____

Phone Number: _____ E-mail: _____

Installation Quality Check

Requirement	✓
Antenna Unit	
The antenna is mounted in a blockage-free area, with a clear view of the sky (360°), to the best extent possible. Location description: _____ Take digital photos of the antenna installation from all directions. Send these photos to KVH with this form.	<input type="checkbox"/>
The antenna is mounted away from the vessel's superstructure and any other antennas.	<input type="checkbox"/>
The antenna is mounted outside the beam path and at least 3 ft (1 m) away from radar and high-power radio transmitters. The antenna is mounted above or below the radar's elevation range (<i>generally -15° to +15°</i>).	<input type="checkbox"/>
The foam seal is installed between the bottom of the antenna and mounting surface, the four rubber feet are installed on the bottom of the antenna, and the rubber boot is positioned over the straight or right-angle connector to protect the connector from the elements.	<input type="checkbox"/>
The cable access hole is sealed with silicone sealant (or equivalent) to protect against leakage.	<input type="checkbox"/>
The antenna is mounted on a flat, level surface/pedestal capable of supporting the antenna's weight under all environmental conditions, and rigid enough to prevent vibration.	<input type="checkbox"/>
The "Forward" arrow inside the baseplate is pointing towards the bow and is parallel to the vessel's centerline.	<input type="checkbox"/>
Anti-seize lubricant was applied to all four mounting bolts.	<input type="checkbox"/>
The four mounting bolts have been tightened so that the rubber feet are bottomed against the mounting surface and the foam seal is fully compressed.	<input type="checkbox"/>
TV-Hub	
The TV-Hub is installed in a cool, dry location that provides good ventilation. Location description: _____	<input type="checkbox"/>
If possible, the TV-Hub LED lights are visible to the user.	<input type="checkbox"/>
All cables include service loops at the proper bend radius, and are strain-relieved at the back of the TV-Hub.	<input type="checkbox"/>
The TV-Hub is in a location that provides good Wi-Fi reception.	<input type="checkbox"/>

continued on reverse

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Requirement	✓																				
Wiring																					
The supplied 75Ω RG-6 cable was used to connect the antenna to the TV-Hub. All RF cabling required by the system configuration was terminated at both ends with the correct "F" connectors using proper tools, exactly to the manufacturer's specifications. Enter information for any other RF cable used: Cable length: _____ Cable type used: _____ Connectors used: _____	<input type="checkbox"/> <input type="checkbox"/>																				
The RF cable connection above deck is protected against water and corrosion using DOW Corning #4 silicone grease (inside the connectors) and silicone sealant or equivalent (outside the connectors).	<input type="checkbox"/>																				
RF cables are strain-relieved, protected from abrasion, and free of stress. A minimum 4.5" (11.5 cm) bend radius is maintained throughout, and 8" (20 cm) service loops are present where appropriate.	<input type="checkbox"/>																				
RF cable connection was tightened to 20 inch-pounds of torque at the antenna, and to 15 inch-pounds of torque at the TV-Hub.	<input type="checkbox"/>																				
All wiring conforms to the system wiring diagrams provided in the Installation Guide.	<input type="checkbox"/>																				
Power and Grounding																					
A 10-30VDC, 10A maximum power supply is connected to the TV-Hub.	<input type="checkbox"/>																				
The supplied ground wire is connected from the ground point on the TV-Hub to the vessel's ground.	<input type="checkbox"/>																				
Configuration																					
The latest versions of system software and satellite library are installed.	<input type="checkbox"/>																				
Ran through the entire TracVision Setup Wizard to set up the system for location, service, and satellites.	<input type="checkbox"/>																				
Wi-Fi devices connect to the TV-Hub via http://tvhub.kvh in browser; WPA-PSK security mode selected and password set. TV-Hub Wi-Fi Password: _____	<input type="checkbox"/>																				
The TV-Hub is connected to the vessel's network (DHCP or static IP) as needed (such as for automatic satellite switching and/or access to web interface from a device on the network). Static IP (if used): _____	<input type="checkbox"/>																				
Antenna settings addressed, for example, advanced modes; NMEA 0183 configured to 4800 baud.	<input type="checkbox"/>																				
The skew angle is set (linear only). Skew Angle reported during setup: _____	<input type="checkbox"/>																				
Setup required for the specific receivers (DIRECTV, DISH/Bell, and Linear) complete and satellites selected.	<input type="checkbox"/>																				
For automatic satellite switching, the IP AutoSwitch(es) or DIRECTV receivers are connected to the same subnet as the TV-Hub. Record automatic switching information below and enter this information in the Setup Wizard or Autoswitch page of the web interface.	<input type="checkbox"/>																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Name</th> <th style="width: 25%;">ID</th> <th style="width: 50%;">Name</th> <th style="width: 25%;">ID</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	Name	ID	Name	ID																	
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Name = Descriptive name for receiver location, for example, "Salon" ID = DIRECTV: SWM receiver IP Address or Server IP (for Genie); DISH/Bell/Linear: IP AutoSwitch serial number																					
Testing																					
During startup, all system indicators on the TV-Hub front panel and web interface showed normal status.	<input type="checkbox"/>																				
Customer educated on: receiver/service activation, system operation, satellite blockage, and product registration.	<input type="checkbox"/>																				

Please e-mail this form and antenna installation photos with a subject line of "installation report" to KVH Technical Support, E-mail: support@kvh.com