

# TracVision® TV1 Installation Checklist



Required to validate your installation

## Owner Information

Vessel Name: \_\_\_\_\_ Customer Name: \_\_\_\_\_

Antenna Serial Number: \_\_\_\_\_ TV-Hub Serial Number: \_\_\_\_\_

Owner Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Province and Country: \_\_\_\_\_ Postal/Zip Code: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Email: \_\_\_\_\_

## Installer Information

Installation Date: \_\_\_\_\_  
MM/DD/YYYY

Installing Technician: \_\_\_\_\_ Installing Company: \_\_\_\_\_

Installing Company Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Province and Country: \_\_\_\_\_ Postal/Zip Code: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Email: \_\_\_\_\_

## Installation Quality Check

Requirement	✓
<b>Antenna Unit</b>	
The antenna is mounted in a blockage-free area, with a clear view of the sky (360°), to the best extent possible. <b>Location description:</b> _____ <b>Take digital photos of the antenna installation from all directions. Send these photos to KVH with this form.</b>	<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 radar 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"/>

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Requirement	✓																				
<b>TV-Hub</b>																					
The TV-Hub is installed in a cool, dry location that provides good ventilation. <b>Location description:</b> _____	<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"/>																				
<b>Wiring</b>																					
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: <b>Cable length:</b> _____ <b>Cable type used:</b> _____ <b>Connectors used:</b> _____	<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 (and all cables are free of stress, twists, and kinks (minimum bend radius is maintained throughout), neatly arranged, protected from abrasion, and labeled at both ends, as necessary, to identify them easily.	<input type="checkbox"/>																				
<b>Configuration</b>																					
For automatic satellite switching, the DIRECTV receivers or IP AutoSwitch(es) for Linear, DISH Network, or Bell TV, 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. <i>Note: Name = Descriptive name for receiver location, for example, "Salon"</i>	<input type="checkbox"/>																				
<b>DIRECTV</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Name</th> <th style="width: 25%;">IP Address</th> <th style="width: 25%;">Name</th> <th style="width: 25%;">IP Address</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		Name	IP Address	Name	IP Address																
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Requirement	✓
<b>Configuration (Continued)</b>	
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 <b>http://tvhub.kvh</b> in browser; <b>WPA-PSK</b> security mode selected and password set. <b>TV-Hub Wi-Fi password:</b> _____	<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). <b>Static IP (if used):</b> _____	<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). <b>Skew Angle reported during setup:</b> _____	<input type="checkbox"/>
Setup required for the specific receivers (DIRECTV, DISH/Bell, and Linear) complete and satellites selected.	<input type="checkbox"/>
<b>Power and Grounding</b>	
The TV-Hub is hard-wired to a 12 VDC or 24 VDC, 120 W power source, and the TV-Hub is receiving 10-30 VDC power at its input. <b>Power supply brand/model:</b> _____ <b>Specs (voltage/amperage):</b> _____	<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"/>
Using a multimeter, measure and record the DC voltage between the ground point on the TV-Hub and the vessel's ground. The measured voltage should be < 2V. <b>Measured:</b> _____	<input type="checkbox"/>
Using a multimeter, measure and record the AC voltage between the ground point on the TV-Hub and the vessel's ground. The measured voltage should be < 2V. <b>Measured:</b> _____	<input type="checkbox"/>
<b>Testing and Handover to Customer</b>	
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"/>
The Welcome Kit, containing the Installation Guide and Quick Start Guide, was provided to the customer, and the customer knows how to find additional information in the Help.	<input type="checkbox"/>
Verified that you can watch TV (requires receiver activation). <b>Service:</b> <input type="checkbox"/> DIRECTV <input type="checkbox"/> DISH Network	<input type="checkbox"/>
<b>Special Circumstances</b>	
Report any problem or irregularity noted during installation and verification. <div style="border: 1px solid black; height: 60px; width: 100%;"></div>	

## Customer Acceptance

Signature of Installer: \_\_\_\_\_ Date: \_\_\_\_\_  
MM/DD/YYYY

Signature of Owner/Ship's Master: \_\_\_\_\_ Date: \_\_\_\_\_  
MM/DD/YYYY

Signature of Ship's Electrician (if applicable): \_\_\_\_\_ Date: \_\_\_\_\_  
MM/DD/YYYY

**Please email this form and antenna installation photos with a subject line of "installation report" to  
KVH Technical Support, Email: support@kvh.com**