



TracPhone® V30 Installation Checklist

Required to Validate Your Installation

Installation Information

Vessel Name: _____ Customer Name: _____

Antenna Serial Number: _____ Installation Date: _____
MM/DD/YYYY

Installing Technician: _____ Installing Company: _____

Installing Company Address: _____

City: _____ State/Province: _____

Postal/Zip Code: _____ Country: _____

Phone Number: _____ Email: _____

IMPORTANT! This checklist does NOT replace the Installation Guide. Be sure to follow all of the instructions provided therein.

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, other antennas, and magnetic compasses.	<input type="checkbox"/>
The antenna is mounted outside the beam path and at least 10 ft (3 m) away from radar and high-power radio transmitters. The antenna is mounted above or below the radar's elevation range (generally -15° to +15°).	<input type="checkbox"/>
The antenna cable connector is protected from the elements by self-vulcanizing tape (or equivalent), and the foam seal is installed between the bottom of the antenna and mounting surface.	<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 of 23.4 lbs (10.6 kg) under all environmental conditions, and rigid enough to prevent vibration.	<input type="checkbox"/>
Prevention of RF radiation exposure was taken into consideration when choosing a mounting location.	<input type="checkbox"/>
The "Forward" arrow inside the baseplate points towards the bow and is parallel to the vessel's centerline.	<input type="checkbox"/>
Both shipping restraints have been removed.	<input type="checkbox"/>
Anti-seize lubricant was applied to all four mounting bolts.	<input type="checkbox"/>
The four mounting bolts have been tightened to between 25 and 40 ft-lbs (34 and 41 N-m) of torque, so that the four rubber feet are bottomed against the mounting surface, and the foam seal is fully compressed.	<input type="checkbox"/>
A protective plastic cap is installed over each radome screw.	<input type="checkbox"/>



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Requirement	✓
VSAT-Hub	
The VSAT-Hub is installed properly in a cool, dry location that provides good ventilation. Location description: _____	<input type="checkbox"/>
Select the type of installation: <input type="checkbox"/> Vertical Surface Mount <input type="checkbox"/> Horizontal Surface Mount	
If possible, the VSAT-Hub front panel LEDs are visible to the user.	<input type="checkbox"/>
The VSAT-Hub is in a location that provides good Wi-Fi reception (<i>if customer requires wireless access</i>).	<input type="checkbox"/>
Wiring	
The supplied antenna cable or KVH-approved equivalent was used to connect the antenna to the VSAT-Hub. All RF cabling required by the system configuration was terminated at both ends with the correct "TNC" connectors using proper tools, exactly to the manufacturer's specifications. Enter information for the type of antenna cable used: Cable length: _____ Cable type: _____ Connectors: _____	<input type="checkbox"/>
The antenna cable connection above deck is protected against water and corrosion using silicone grease (inside the connector) and silicone sealant, self-vulcanizing tape, or equivalent (outside the connector).	<input type="checkbox"/>
The antenna cable is strain-relieved within 18" (45 cm) of the antenna connector.	<input type="checkbox"/>
The antenna cable is protected from abrasion, neatly arranged, and free of stress, twists, and kinks. Minimum bend radius is maintained throughout, and service loops are present at both ends.	<input type="checkbox"/>
The antenna cable connection was tightened to 23 inch-pounds of torque at both the antenna and VSAT-Hub.	<input type="checkbox"/>
All wiring conforms to the system wiring diagram provided in the Installation Guide.	<input type="checkbox"/>
The vessel phone is connected to the PHONE LINE jack on the VSAT-Hub.	<input type="checkbox"/>
A NMEA 0183 or NMEA 2000 talker is supplying a compatible heading message to the VSAT-Hub.	<input type="checkbox"/>
Power and Grounding	
The VSAT-Hub is hard-wired to a 10-30 VDC power source (125 W max). Power supply brand/model: _____ Specs (voltage/amperage): _____	<input type="checkbox"/>
The supplied ground wire is connected from the ground point on the VSAT-Hub to the vessel's common ground.	<input type="checkbox"/>
Using a multimeter, measure and record the DC voltage between the ground point on the VSAT-Hub and the vessel's ground. The measured voltage should be < 2V. Measured: _____	<input type="checkbox"/>
Using a multimeter, measure and record the AC voltage between the ground point on the VSAT-Hub and the vessel's ground. The measured voltage should be < 2V. Measured: _____	<input type="checkbox"/>
Configuration	
The latest version of Belowdecks Unit/antenna system software is installed.	<input type="checkbox"/>
The administrator and guest passwords, vessel and phone line names, and Wi-Fi settings were set using the VSAT-Hub's Setup Wizard.	<input type="checkbox"/>
No-transmit zones were configured according to the customer's requirements, to prevent RF radiation exposure.	<input type="checkbox"/>
The customer's computer(s) or other network device(s) were configured for DHCP or static IP, as required.	<input type="checkbox"/>



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Requirement	✓
Testing and Handover to Customer	
During startup, all the LEDs on the VSAT-Hub front panel and the indicators at the web interface showed normal status.	<input type="checkbox"/>
The system was tested by connecting to the KVH test page: http://test.minivsat.net .	<input type="checkbox"/>
If the system was activated for mini-VSAT Broadband service, all Internet and voice connections were tested OK.	<input type="checkbox"/>
System performance is not degraded when you turn on all other electronic equipment in the antenna's vicinity.	<input type="checkbox"/>
The customer was educated about the following: service activation/fees, system operation, dialing sequence, satellite blockage, radiation hazard area, no-transmit zones (<i>if set up</i>), administrator/Wi-Fi passwords, and KVH Manager tools.	<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"/>
Special Circumstances Report any problem or irregularity noted during installation and verification.	
Customer Acceptance	
Signature of Installer: _____	Date: _____ <i>MM/DD/YYYY</i>
Signature of Owner/Ship's Master: _____	Date: _____ <i>MM/DD/YYYY</i>
Signature of Ship's Electrician (if applicable): _____	Date: _____ <i>MM/DD/YYYY</i>

Please email or fax this form and antenna installation photos to the KVH Airtime Services Department:

Email: satelliteservices@kvh.com **Fax:** +1 401 851-3823



World Headquarters
KVH Industries, Inc. · Middletown, RI U.S.A.
+1.401.847.3327 · info@kvh.com

EMEA Headquarters
KVH Industries A/S · Kokkedal, Denmark
+45.45.160.180 · info@emea.kvh.com

Asia-Pacific Headquarters
KVH Industries Pte Ltd. · Singapore
+65.6513.0290 · info@apac.kvh.com