

TracPhone® V7IP 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: _____ 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: _____	<input type="checkbox"/>
Take digital photos of the antenna installation from all directions. Send these photos to KVH with this form.	
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 (<i>generally -15° to +15°</i>).	<input type="checkbox"/>
The antenna is mounted on a flat, level surface/pedestal capable of supporting the antenna's weight of 57.6 lbs (26.1 kg) under all environmental conditions.	<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 is pointing towards the bow and is parallel to the vessel's centerline.	<input type="checkbox"/>
The foam shipping restraint has been removed.	<input type="checkbox"/>
The antenna assembly rotates freely through two complete revolutions in each direction.	<input type="checkbox"/>
Anti-seize lubricant was applied to all four mounting bolts.	<input type="checkbox"/>
The four rubber feet are bottomed against the mounting surface and the foam seal is fully compressed.	<input type="checkbox"/>
Belowdecks Equipment	
All belowdecks equipment is installed in a cool, dry location that provides good ventilation. Location description: _____	<input type="checkbox"/>
The front panels of the CommBox-ACU and modem are easily accessible to the user.	<input type="checkbox"/>
All cables are strain-relieved at the back of the CommBox-ACU and modem using the supplied bracket.	<input type="checkbox"/>
The CommBox-ACU is in a location that provides good Wi-Fi reception (<i>if customer requires wireless access</i>).	<input type="checkbox"/>

→ continued on reverse

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Requirement	✓
Wiring	
Appropriate 75Ω RF cables connect the antenna to the modem (RX, TX). These cables were terminated at both ends with the correct "F" connectors using the proper tools, exactly to the manufacturer's specifications. The center conductor pin at each end is 1/4" (5-7 mm) in length, measured from inside the nut to the tip. Cable length: _____ Cable type used: _____ Connectors used: _____	<input type="checkbox"/>
The 3 ft (90 cm) LMR-400-75 pigtails are connected between the antenna and the RF cables.	<input type="checkbox"/>
The pigtail connections at the antenna are protected by the rubber boots and washers.	<input type="checkbox"/>
All RF cable connections above deck are protected against seawater 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 [or 6" (15.3 cm) for LMR-600-75] is maintained throughout, and service loops are present where appropriate.	<input type="checkbox"/>
The cable access hole above deck was sealed as necessary to prevent water from seeping into the vessel.	<input type="checkbox"/>
All RF cable connections were tightened to 20 inch-pounds of torque.	<input type="checkbox"/>
If using LMR-600-75 cables, the 1 ft (30 cm) LMR-400-75 pigtails are connected between them and the modem.	<input type="checkbox"/>
All wiring conforms to the system wiring diagram provided in the Installation Guide.	<input type="checkbox"/>
A NMEA 0183 talker configured to transmit a compatible heading message at 4800 baud is connected to the CommBox-ACU (compatible messages: \$--HDG, \$--HDM, \$--HDT, \$--OSD, \$--THS, \$--VHW).	<input type="checkbox"/>
Power and Grounding	
If the vessel is limited to two-phase, split-phase, or delta AC power, either (1) an isolation transformer was installed to supply single-phase power to the antenna, or (2) the customer granted permission to run the antenna system on two-phase power, which will cause a small amount of leakage current onto ship's ground.	<input type="checkbox"/>
The supplied ground wire is connected from the ground point on the CommBox-ACU to ship's ground.	<input type="checkbox"/>
The difference between the equipment's chassis ground and ship's ground measures less than 25 volts.	<input type="checkbox"/>
Configuration	
The latest version of CommBox-ACU/Antenna software is installed.	<input type="checkbox"/>
The admin password, vessel name, and phone line names were set using the TracPhone V7-IP web interface.	<input type="checkbox"/>
No-transmit zones were configured according to the customer's requirements, to prevent RF radiation exposure.	<input type="checkbox"/>
If the customer requires Wi-Fi access, the CommBox-ACU wireless connection was enabled and security applied.	<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"/>
Testing	
During startup, all system indicators on the equipment front panels and web interface showed normal status.	<input type="checkbox"/>
The system was tested by connecting to the KVH test page: http://208.83.165.11/mbbtest .	<input type="checkbox"/>
The customer was educated about the following: service activation, system operation, satellite blockage, radiation hazard, no-transmit zones (<i>if set up</i>), administrator password, CommBox™ software options, and service fees.	<input type="checkbox"/>

Please e-mail or fax this form and antenna installation photos to the KVH Airtime Services Department:
E-mail: satelliteservices@kvh.com **Fax:** +1 401 851-3823