Installation Checklist

Required to validate your installation

KVH Use Only

Vessel Name:_____ IMO: _____

Customer Name: _____ Install Date:_____

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 instructions provided therein. Then complete this checklist and email it, along with installation photos, to **mvbinstall@kvh.com**.

Configuration

Select the KVH antenna system that was installed on the vessel.

Antenna Model: ◯ TracNet H30 ◯ TracNet H60 ◯ TracNet H90 ◯ TracPhone V30

BDU Type: ◯ TracNet Hub or VSAT-Hub (DC powered) ◯ TracNet Hub+ (AC powered)

Antenna Serial Number: _____ BDU Serial Number: _____

Approvals

By signing below, you attest that all required installation work has been completed to KVH's quality standards in accordance with the Installation Guide and any supplemental KVH documentation.

Installing Technician: (sign) _____ (print)_____

By signing below, you agree that the system has been installed to your satisfaction and deem the system ready for use.

Authorized Vessel Representative: (sign)_____ (print)_____
Owner, Ship's Master, or Designee

Ship's Electrician, if applicable: (sign) _____ (print)_____

If you have any questions about these requirements, please contact KVH Technical Support:

Continental U.S.A.: 1 866 701-7103
Worldwide: +1 401 851-3806
Email: mvbinstall@kvh.com

 50-0209 Rev. A

Reset Form

Installation Checklist

Antenna model: _____

Vessel name: _____ IMO: _____

No.	Requirement	✓
Antenna		
1	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 photos of the antenna installation from all directions. Send these photos to KVH with this form.**	☐
2	The antenna is mounted away from the vessel's superstructure, other antennas, and magnetic compasses, as specified in the Installation Guide.	☐
3	The antenna is mounted outside the beam path of the radar and high-power radio transmitters. It is at least the minimum distance away from the radar, as specified in the Installation Guide.	☐
4	The antenna is mounted on a flat, level surface/pedestal capable of supporting the antenna's weight under all environmental conditions.	☐
5	Prevention of RF radiation exposure was taken into consideration when choosing a mounting location.	☐
6	The "Forward" arrow inside the baseplate points towards the bow and is parallel to the vessel's centerline.	☐
7	All shipping restraints have been removed. **H60:** The spacers have also been removed from the rubber feet.	☐
8	**H90:** Both service hatches are easily accessible to a technician. Both hatches are latched closed.	☐
9	Anti-seize lubricant was applied to the threads of the mounting bolts.	☐
10	The rubber feet are bottomed against the mounting surface. If a foam seal was used, it is fully compressed.	☐
11	**H90:** The lift brackets have been removed and replaced with the supplied radome hardware.	☐
12	**H30/H60/V30:** The internal antenna assembly rotates freely without obstructions in all directions.	☐
13	**H30/H60/V30:** A protective plastic cap is installed over each radome screw.	☐
BDU		
14	The BDU is installed properly in a cool, dry location that provides good ventilation. Location description: _____ Select the type of installation: ◯ Rack mount ◯ Flat surface mount **Take photos of the BDU installation. Send these photos to KVH with this form.**	☐
15	The BDU front panel is visible to the user.	☐
16	The BDU is in a location that provides good Wi-Fi reception (if customer requires wireless access to it).	☐
17	**H30/H60/H90 with AC BDU (Hub+):** The strain-relief bracket is attached to the back of the BDU.	☐

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No.	Requirement	✓
Wiring		
18	The supplied antenna cable or KVH-approved substitute was used to connect the antenna to the BDU. It was terminated at both ends with the correct connectors using proper tools, exactly to the manufacturer's specifications. Enter information for the type of antenna cable used: Cable length:_____ Cable type:_____ Connectors:_____	☐
19	If the antenna cable type is not RG-58 or LMR-240, a pigtail cable was used to connect to the BDU.	☐
20	**H60:** There is adequate clearance around the antenna's cable connector. The metal of the connector will not come into contact with the mounting platform or pedestal.	☐
21	The antenna cable connection above deck is protected against water and corrosion using silicone grease (inside the connector) and self-vulcanizing tape or equivalent (outside the connector).	☐
22	The antenna cable is strain-relieved at both ends – near the antenna and BDU connections.	☐
23	The antenna cable is protected from abrasion and free of stress, twists, and kinks. Minimum bend radius is maintained throughout, and a 14" (35 cm) minimum service loop is present at each end.	☐
24	The cable access hole above deck was sealed as necessary to prevent water from seeping into the vessel.	☐
25	The antenna cable connection was hand-tightened at both the antenna and BDU.	☐
26	All wiring conforms to the system wiring diagram provided in the Installation Guide.	☐
27	A NMEA 0183 or NMEA 2000 talker is supplying a compatible heading message to the BDU.	☐
Power and Grounding		
28	**H30/H60/V30 with DC BDU (Hub/VSAT-Hub):** The BDU is hard-wired to an appropriate 10-30 VDC power source. Power supply brand/model:_____ Specs (voltage/amperage):_____	☐
29	**H30/H60/H90 with AC BDU (Hub+):** 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 system, or (2) the customer granted permission to run the system on two-phase power, which will cause a small amount of leakage current onto ship's ground.	☐
30	The supplied ground wire is connected from the ground point on the BDU to the ship's common ground.	☐
31	Using a multimeter, measure and record the DC voltage then AC voltage between the ground point on the BDU and the ship's common ground. The measured voltage should be < 2V for both. Measured DC: _____ Measured AC:_____	☐

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Configuration		
32	User passwords, vessel and phone line names, and network settings were configured at the BDU's setup wizard.	☐
33	The latest version of antenna system software is installed.	☐
34	No-transmit zones were configured according to the customer's requirements, to prevent RF radiation exposure.	☐
Testing and Handover to Customer		
35	During startup, all status indicators on the BDU front panel and web interface showed normal status.	☐
36	If the system was activated, all Internet and voice connections were tested OK. Otherwise, the system was tested by connecting to the KVH VSAT test page: **http://test.minivsat.net**.	☐
37	System performance is not degraded when you turn on all other electronic equipment in the antenna's vicinity.	☐
38	**H30/H60/H90:** Cellular and Wi-Fi WAN connections were tested OK, if available.	☐
39	If a UPS is installed, it was tested to provide backup power for at least 5 minutes.	☐
40	The customer was educated about the following: system operation, dialing sequence, satellite blockage, radiation hazard area, no-transmit zones (if set up), administrator/guest/Wi-Fi passwords, and KVH Manager tools.	☐
41	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.	☐
Notes		