TracPhone® V7HTS
Broaden Your Mission Package with the TracPhone V7HTS

Using high-throughput global connectivity via next-generation satellites on the mini-VSAT Broadband HTS network, the 60 cm, three-axis, gyro-stablized TracPhone V7HTS provides reliable, secure coverage for military and government vessels and vehicles. TracPhone V7HTS offers low latency and speeds as fast as 10/3 Mbps (down/up), ideal for streaming video, biometric data, and encrypted messaging protocols such as CENTRIXS. Designed specifically for mission-critical connectivity, TracPhone V7HTS offers the reliable, field-proven communications vital for operations.

- State-of-the-art VSAT antenna and belowdecks hardware

- High-performance, three-axis stabilized design for superior tracking in rough seas and on rugged terrain

- Exclusive dual channel configuration, with hybrid airtime plans that deliver an unlimited use data channel running at the same time as the high-speed channel
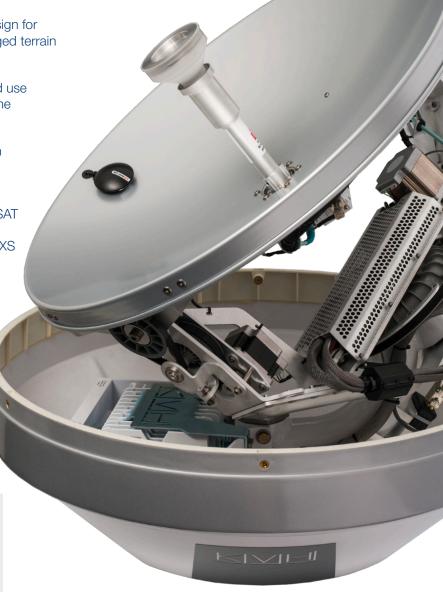
- Global layered HTS network with more than 294 million sq. km (113+ million sq. miles) coverage

- Worldwide coverage via the layered mini-VSAT Broadband HTS network with low latency necessary for messaging apps like CENTRIXS

- Integrated network cybersecurity measures

The TracPhone V7HTS includes the 2U-high **Integrated CommBox Modem (ICM)** with IP-enabled antenna control unit, CommBox™ Network Manager, high-throughput modem, Voice over IP (VoIP) adapter, and built-in Wi-Fi and Ethernet switch. In addition, it provides support for over-the-air system software updates.

TracPhone V7HTS with mini-VSAT Broadband HTS Service

System Specifications

Service

Network	mini-VSAT Broadband HTS Network
Antenna Type	Ku-band
Service Coverage Area	Seamless Worldwide Regions
Maximum Speed Download/Upload[1]	High-speed data channel: 10 Mbps/3 Mbps
	Unlimited use data channel: Multiple speed-based plans offered Maximum speed offered (UL7 plan) is 8 Mbps/2 Mbps (download/upload)

Abovedecks Equipment

Antenna Dish Diameter	60 cm (24")
Antenna Unit Dimensions/Weight	66.6 cm D x 79.2 cm h (26.1" D x 31.2" h)/26.1 kg (57.6 lbs)
Elevation/Azimuth Range	-24° to +119°/720° rotation
Temperature	*Operating:* -30°C to 55°C (-22°F to 131°F); *Survival:* -35°C to 70°C (-31°F to 158°F)
Humidity	IEC 60945; 40°C (104°F), 95% Humidity (non-condensing)
Rain	Precipitation rate of 1.7mL/min, w/wind speeds up to 100 knots
Heading Input	NMEA 0183 magnetic or true heading
Antenna Unit Power	DC; provided by ICM
ICM to Antenna Unit Communications	14 Conductor Data Cable
L-band RF Cables *(customer supplied)*	For 5-30 m (15-100 ft.) choose RG-11 For 30-60 m (101-200 ft.) choose LMR-400-75 For 60-100 m (201-325 ft.) choose LMR-600-75
Remote Support	Integrated GPRS modem for access by KVH technical support, 3G capable

Belowdecks Equipment – Integrated CommBox Modem (ICM)

Dimensions	42.6 cm l x 41.4 cm w x 2U h (16.8" x 16.3" x 2U) rack-mountable with optional mounting provisions
Weight	5.1 kg (11.25 lbs)
Temperature	Operating: -15°C to 55°C (5°F to 131°F); Survival: -15°C to 70°C (5°F to 158°F)
Input Power	100-240 VAC, 50-60 Hz auto switching, 250W max
Data Interfaces	4 Ethernet: IEEE 802.3 10BASE-T/100BASE-TX, 100 Mbps; 1 Wi-Fi 802.11; 3 USB ports
Voice Interfaces	2 RJ11 ports for VoIP services

System Options

CommBox Software Bundles Available	Standard or Enterprise Bundles - see "Featured Options" at kvh.com/v7htsmil for details
Built-in Crew Calling Gateway	Available; contact Airtime Services for details
KVH OneCare™ Support Program	Available; see kvh.com/onecare for details
SAILOR 4300/Iridium Certus® Optional Backup	Available (Part Number 01-0431); see "Optional Backup" on kvh.com/v7htsmil

Complete System

Certification	Complies with the essential requirements of Radio Equipment Directive 2014/53/EU, which includes the safety objectives set out in Low Voltage Directive 2014/35/EU and an adequate level of electromagnetic compatibility as set out in EMC Directive 2014/30/EU
System Warranty[2]	Comprehensive 2-year parts, 2-year labor warranty supported by KVH's worldwide Certified Support Network (CSN)
Part Number	01-0408-15

Meets FCC and CE requirements. Exceeds Inmarsat operational, survival, and shock specifications.
[1]Published data speeds are maximum speeds and may vary in different regions and under different conditions.
[2]Unless subject to in-country regulations. Restrictions apply. Visit www.kvh.com/warranty for details.

System Diagram

Integrated CommBox Modem (ICM) –

Streamlined belowdecks unit includes: IP-enabled antenna control unit, built-in CommBox Ship/Shore Network Manager, high-throughput modem, Voice over IP adapter, and built-in Wi-Fi and Ethernet switch.

Standard 1-meter VSAT dome
1.3 m D, 136 kg (50" D, 300 lbs)

TracPhone V7HTS dome
66.6 cm D, 26.1 kg (26.1" D, 57.6 lbs)

85% smaller in volume than standard VSAT antennas, TracPhone V7HTS is easier and less expensive to install.

Seamless Global Coverage

TracPhone V7HTS Coverage Map

Coverage maps are representative and may change at any time. Data rates may also vary in different regions. For complete details, choose "TracPhone" at www.kvh.com/minivsSatthtsmaps and click on the mini-VSAT Broadband HTS coverage map. KVH provides no guarantees of satellite coverage or availability.

V7HTS **Ku-band Coverage**

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