Product Specifications

TracPhone® V7HTS

Streaming Speeds, Unlimited Data – a Breakthrough in Maritime Communications

The advanced 60 cm, 3-axis, gyro-stabilized TracPhone V7HTS is the newest member of KVH's unique end-to-end SATCOM solution. It offers uncompromised download speeds as fast as 10 Mbps and 3 Mbps upload speeds, global connections, and unmatched speed using new, advanced Intelsat and SKY Perfect JSAT Ku-band satellites that add HTS capabilities to the mini-VSAT Broadband℠ network.

What's new in the TracPhone V7HTS

- New state-of-the-art antenna and belowdecks hardware
- New, exclusive dual channel configuration, with hybrid airtime plans that deliver an unlimited use data channel running at the same time as the ultra-fast channel
- New satellites and hubs
- New network with expanded global coverage
- New terrestrial fiber backbone
- Integrated network cybersecurity measures

The TracPhone V7HTS includes the all-new, 2U-high **Integrated CommBox Modem (ICM)** with IP-enabled antenna control unit, CommBox™ Network Manager, high-throughput modem, Voice over IP (VoIP) adapter, built-in Wi-Fi and Ethernet switch, content storage and access for IP-MobileCast™ and Videotel™ training content, and support for over-the-air system software updates.

TracPhone V7HTS with mini-VSAT HTS Broadband 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 4 Mbps/1 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 ACU**
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[2]
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/v7hts or kvh.com/v7htsleisure for details
Built-in Crew Calling Gateway	Available; contact Airtime Services for details
IP-MobileCast Services	Available; see ipmobilecast.com for commercial applications and ipmobilecast.com/superyachts for leisure applications
UCH-250 Fax Server	For enterprise-grade faxing over IP (Part Number 19-0520); contact KVH for details
KVH OneCare™ Support Program	Available; see kvh.com/onecare for details
Iridium Pilot® Secondary System	Available (Part Number 72-0537-01); see "Featured Options" at kvh.com/v7hts or kvh.com/v7htsleisure for details
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[3]	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]Optional Belowdecks Mounting Case (Part Number 72-0368) available for vessels without a rack.
[3]Unless subject to in-country regulations. Restrictions apply. Visit www.kvh.com/warranty for details.

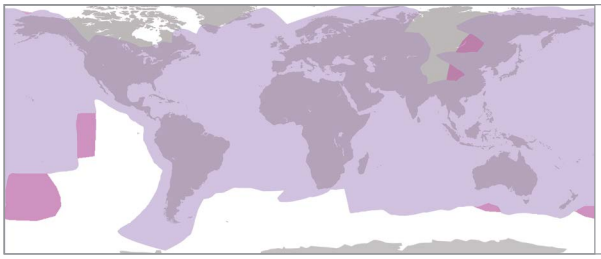
System Diagram

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.

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.



V7HTS Current Coverage
V7HTS Anticipated 2019 Additional Coverage

EXPANDED 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/minivsathtsmap and click on the mini-VSAT Broadband HTS coverage map. KVH provides no guarantees of satellite coverage or availability.

*KVH is the world's No. 1 maritime VSAT supplier as measured by vessels equipped with mini-VSAT Broadband service, according to NSR's Maritime SATCOM Markets, 4th Edition, June 2016, and the COMSYS Maritime VSAT Report, 4th Edition, March 2015.

ISO 9001 QUALITY CERTIFIED SYSTEM

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