KVH® INDUSTRIES
MINI-VSAT BROADBAND

INTRODUCING THE ALL-NEW

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 Broadband Service

System Specifications

Service

Network	mini-VSAT Broadband with new HTS overlay
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 greater than 30-60 m (101-200 ft.) choose LMR-400-75 For greater than 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.

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.

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