

KVH TracPhone® V7 with mini-VSAT Broadband™ Service



What broadband at sea was meant to be.™



Key Features and Attributes

- Spread spectrum satellite technology previously only available to the military and business jets offers seamless regional roaming and is ideal for heavy data use.
- 85% smaller by volume and 75% lighter than 1-meter VSAT antennas so it's easier and less expensive to install and maintain.
- Data rates as fast as 512 Kbps for ship-to-shore uploads as fast as 2 Mbps for shore-to-ship downloads.
- Rugged, commercial-grade design tested under vibration and high/low temperature extremes that exceed commercial industry standards.
- Dynamic, gyro-stabilized tracking and military-grade modem for outstanding performance.
- Integrated, enhanced Voice over IP (VoIP) phone service tailored to the specific needs of maritime customers and optimized for use with satellite services.
- Choice of always-on, fixed price or per-megabyte subscription plans.

A rugged, versatile, and cost-effective solution for broadband Internet access that leaves other services in its wake!

Make expensive installations, unwieldy hardware, and inconsistent data rates a thing of the past. Choose the KVH TracPhone V7 with mini-VSAT Broadband service and rely on broadband at sea the way it was meant to be!

Equip your vessel and your crew with the data and voice services that help raise crew morale and safety standards. The new mini-VSAT Broadband service's spread spectrum satellite technology brings high-quality, always-on broadband data connections to sea, along with multiple enhanced Voice over IP (VoIP) telephone lines optimized for satellite communications, and service costs as much as 90% less expensive than other services.

The TracPhone V7 with mini-VSAT Broadband service outperforms traditional VSAT in every way.

This powerful new service is available via the rugged 24" (60 cm) TracPhone V7 antenna. A fraction of the size of standard 1-meter VSAT systems, the TracPhone V7 and its fully integrated below-decks modem and control unit offer easy connections to shipboard networks, fully stabilized tracking, a remarkable reduction in the cost of hardware and installation, and all with no compromise in performance!

The first fully integrated maritime VSAT system, TracPhone V7 and the mini-VSAT Broadband service work seamlessly by combining innovative and revolutionary technology on three fronts: cutting edge, spread spectrum technology from ViaSat; a powerful Ku-band satellite network; and rugged, fully stabilized antenna technology from KVH Industries. Combined, they are the ideal solution when you need heavy-duty Internet access at sea.



TracPhone V7 Antenna Unit

RX/TX Frequency Band	11.70 to 12.75 GHz/14.00 to 14.50 GHz
Antenna Element	Gain (RX-band, min): 35.6 dBi
BUC Output Power	4 Watt
Outside Dimensions	27.4" H x 26.2" D (69.5 cm H x 66.5 cm D)
Elevation Range	5° to 80°
Azimuth Range	720° rotation
Weight	60 lbs (27.2 kg)
Temperature	Operational: -15°F to 130°F (-25°C to 55°C); Survival: -30°F to 160°F (-35°C to 70°C)
Humidity	IEC 60945; 104°F (40°C), 95% Humidity
Rain	Precipitation rate of 100L/Min, w/wind speeds up to 100 knots
CE Certification	Complies with the specifications of EC directive 1999/5/EC Radio & Telecommunications Terminal Equipment (R&TTE), per compliance with EC directive 2006/95/EC, EMC Directive 2004/108/EC and IEC 301-427

TracPhone V7 Control Unit (CU) and Modem

Dimensions (CU & Modem)	3U, 18.9" (48 cm) rack-mountable with optional mounting provisions
Weight (CU & Modem)	18 lbs (8.2 kg)
Temperature	Operational: 32°F to 130°F (0°C to +55°C); Survival: -30°F to 160°F (-35°C to +70°C)
Humidity	IEC 60945; Up to 95% (non-condensing)
Certification	Complies with the specifications of EC directive 1999/5/EC Radio & Telecommunications Terminal Equipment (R&TTE), per compliance with EC directive 2006/95/EC, EMC Directive 2004/108/EC and IEC 301-427
Input Power	Modem: 90-240 VAC, 50-60 Hz auto switching, 3 A max Control Unit/Antenna: 90-240 VAC, 50-60 Hz, 2 A max
Data Outputs	Ethernet: IEEE 802.3 10BASE-T/100BASE-TX, 100 Mbit/s
IP Routing	TCP/IP Routing and Network Address Translation for the Maritime LAN segment; DHCP support

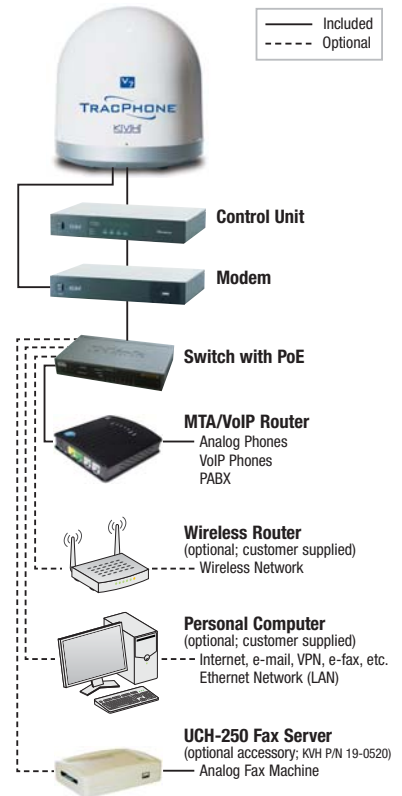
TracPhone V7 Wireless VoIP Router

Dimensions	6.7" W x 6.7" H x 1.2" D (17 cm W x 17 cm H x 3.1 cm D)
Weight	0.86 lbs (0.39 kg)
Standards	IEEE 802.3, IEEE 802.3U, 802.11b, 802.11g
Channels	11 Channels
Ports	One 10/100 RJ-45 Internet Port, Four 10/100 RJ-45 Network Ports, Two Standard Phone Ports, One Power Port

System Warranty

Comprehensive 2-year parts, 1-year onboard labor warranty supported by KVH's worldwide Certified Support Network (CSN)

Meets Inmarsat operational, survival, and shock specifications. Meets FCC, and CE requirements.



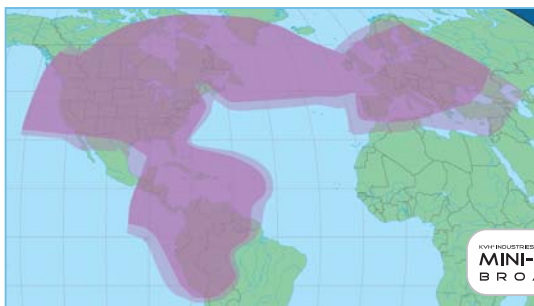
The KVH TracPhone V7 is 85% smaller than 1-meter VSAT antennas making installation significantly easier and less expensive.

mini-VSAT Broadband

Current Coverage Map

Planned Coverage Expansion '08-09

Data Rates*	
Ship-to-Shore (upload)	Shore-to-Ship (download)
Standard Coverage	
up to 512 Kbps	up to 2 Mbps
Extended Coverage	
up to 256 Kbps	up to 2 Mbps



Expansion map depicts KVH's expectations for mini-VSAT Broadband's future coverage; actual coverage and availability may vary.

* Data rates depend on Airtime Subscription Plan chosen; coverage map is representative and may change at any time. For the most up-to-date coverage information, visit www.minivsat.com



www.minivsat.com



www.kvh.com

