

# TracPhone® V3

## with mini-VSAT Broadband<sup>SM</sup> Service



Mobile, affordable, high-speed satellite communications



### Introducing the new TracPhone V3, changing the way you think about SATCOM at sea!



Rugged, commercial-grade design for high-performance tracking in bad weather

The TracPhone V3 has revolutionised SATCOM at sea for your vessel or fleet. At 14.5 inches (37 cm) in diameter, it's the world's smallest maritime VSAT antenna. With airtime rates 1/10<sup>th</sup> the cost of Inmarsat, TracPhone V3 is the perfect solution for vessel operators, crew, and passengers to stay in touch with the office, other vessels, port authorities, and friends and family on shore. Mariners will experience reliable Internet connections, voice, and e-mail communications with a system designed for vessels as small as 30 feet!

Best of all, it's an end-to-end solution exclusively from KVH, the leader in mobile broadband solutions. TracPhone V3 equips your vessel with a fully stabilised antenna, a powerful ArcLight<sup>®</sup> spread spectrum modem, and a belowdecks antenna control unit. And for outstanding connections, you can rely on KVH's proven, global mini-VSAT Broadband service, the fastest growing maritime VSAT network and the choice of the U.S. Coast Guard and leading commercial fleets.

### Key Features

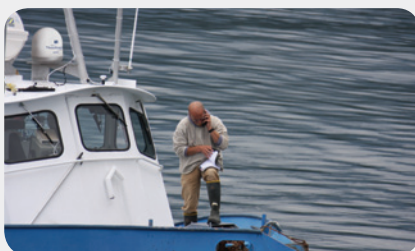
- World's smallest maritime VSAT system, made possible by spread spectrum satellite technology previously only available to the military and business jets
- Download speeds as fast as 2 Mbps at only \$0.99 per MB
- Crystal-clear phone calls worldwide at only \$0.49 per minute
- Ultra-high efficiency antenna using RingFire™ design and groundbreaking dielectric feed rod for excellent reception even in bad weather
- Rugged, high-performance design with superior tracking and stabilisation
- mini-VSAT Broadband network provides seamless global coverage

### A Truly Affordable, Ultra-compact SATCOM Solution

Commercial vessel operators now have a fantastic new communications option – the remarkable TracPhone V3, an ultra-compact SATCOM system that offers the blazing speeds of VSAT (downloads as fast as 2 Mbps!) in a size previously offered only by Inmarsat. And all with airtime costs of only \$0.99 per MB, phone calls worldwide at only \$0.49 per minute, and global coverage via the mini-VSAT Broadband network! Designed using KVH's RingFire antenna design and dielectric feed technology, the TracPhone V3 offers robust two-way Internet connections, a crystal-clear voice line, and a rugged, high-performance design.



KVH's proven mini-VSAT Broadband network is the fastest-growing maritime VSAT network and the choice of the U.S. Coast Guard.



Satellite communications is now small, simple, fast, global, and affordable...all at once.

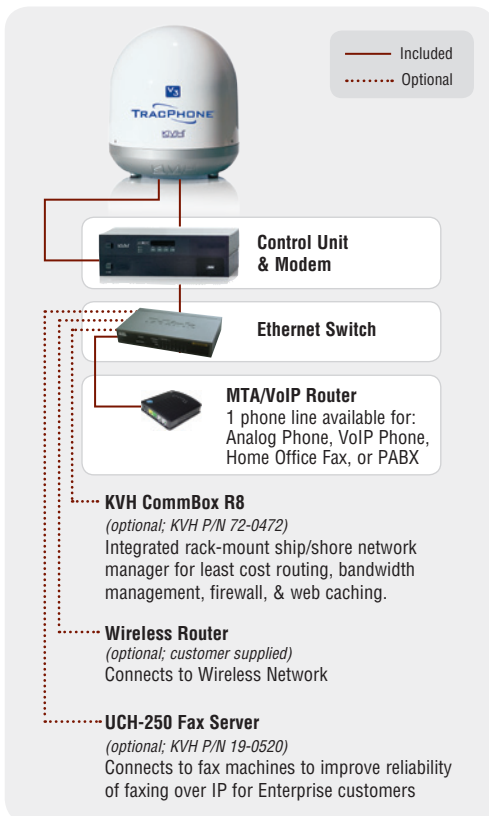
Say hello to the new TracPhone V3!

KVH INDUSTRIES  
**MINI-VSAT**  
BROADBAND





The KVH TracPhone V3 is 95% smaller in volume than traditional VSAT antennas and 65% smaller than a FleetBroadband FB500 antenna, making installation significantly easier and less expensive.



Dealer/Distributor

<sup>2</sup> Coverage maps are representative and may change at any time. Data rates may also vary in different regions. For complete details, visit [www.kvh.com/minivsatmap](http://www.kvh.com/minivsatmap). KVH provides no guarantees of satellite coverage or availability.

TracPhone V3 Antenna Unit	
<b>RX/TX Frequency Band</b>	11.70 to 12.75 GHz/14.00 to 14.50 GHz
<b>Antenna Element</b>	Gain (RX-band, min): 31.0 dBi
<b>BUC Output Power</b>	3 Watt
<b>Outside Dimensions</b>	17.5" H x 15.5" D (44.5 cm H x 39.4 cm D)
<b>Elevation Range</b>	5° to 75°
<b>Azimuth Range</b>	720° rotation
<b>Weight</b>	25 lbs (11.3 kg)
<b>Temperature</b>	Operational: -13°F to 130°F (-25°C to 55°C); Survival: -30°F to 160°F (-35°C to 70°C)
<b>Humidity</b>	IEC 60945; 104°F (40°C), 95% Humidity (non-condensing)
<b>Rain</b>	Precipitation rate of 100L/Min, w/wind speeds up to 100 knots
<b>CE Certification</b>	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 V3 Control Unit (CU) & Modem	
<b>Dimensions (CU &amp; Modem)</b>	3U, 18.9" (48 cm) rack-mountable with optional mounting provisions
<b>Weight (CU &amp; Modem)</b>	18 lbs (8.2 kg)
<b>Temperature</b>	Operational: 32°F to 130°F (0°C to 55°C); Survival: -30°F to 160°F (-35°C to 70°C)
<b>Humidity</b>	IEC 60945; 104°F (40°C), 95% Humidity (non-condensing)
<b>Certification</b>	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
<b>Input Power</b>	Modem: 90-240 VAC, single phase power only, 50-60 Hz auto switching, 3 A max Control Unit/Antenna: 90-240 VAC, single phase power only, 50-60 Hz, 2 A max
<b>Data Outputs</b>	Ethernet: IEEE 802.3 10BASE-T/100BASE-TX, 100 Mbit/s
<b>IP Routing</b>	TCP/IP Routing and Network Address Translation for the Maritime LAN segment; DHCP support

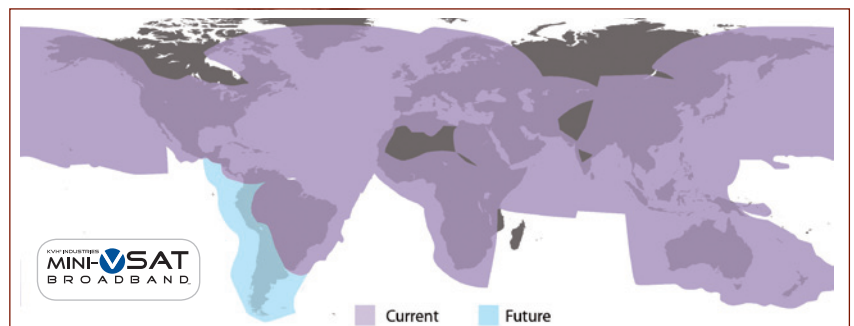
TracPhone V3 Ethernet Switch	
<b>Dimensions</b>	6.7" W x 3.9" D x 1.1" H (17 cm W x 10 cm D x 2.8 cm H)
<b>Weight</b>	1.4 lbs (0.64 kg)
<b>Standards</b>	IEEE: 802.3 Ethernet, 802.3u, 802.3x Flow Control, 802.3af (Power over Data Pairs)
<b>Ports</b>	8-Port desktop switch with 4 PoE ports, up to 15.4 watts max per port, for ports 1-4 only

TracPhone V3 Satellite Communications System <sup>1</sup>	
<b>System Warranty</b>	Comprehensive 2-year parts, 1-year labour warranty supported by KVH's worldwide Certified Support Network (CSN), unless subject to in-country regulations.

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

<sup>1</sup> Case-mounted version available, contact your dealer for details.

## mini-VSAT Broadband Coverage<sup>2</sup>



[www.kvh.com/v3comm](http://www.kvh.com/v3comm)



[www.kvh.com](http://www.kvh.com)



**KVH Industries, Inc.**  
Middletown, RI U.S.A.  
Tel: +1 401 847 3327 Fax: +1 401 849 0045  
E-mail: [info@kvh.com](mailto:info@kvh.com)

**KVH Europe A/S**  
Kokkedal, Denmark  
Tel: +45 45 160 180 Fax: +45 45 160 181  
E-mail: [info@kvh.dk](mailto:info@kvh.dk)

**KVH Norway AS**  
Horten, Norway  
Tel: +47 33 03 05 30 Fax: +47 33 03 05 31  
E-mail: [commboxsales@kvh.com](mailto:commboxsales@kvh.com)

**KVH Singapore**  
Singapore  
Tel: +65 6829 2343 Fax: +65 6829 2121  
E-mail: [infokvhsingapore@kvh.com](mailto:infokvhsingapore@kvh.com)

©2011 KVH Industries, Inc. KVH, TracPhone, RingFire, and the unique light-colored dome with dark contrasting baseplate are trademarks of KVH Industries, Inc. "mini-VSAT Broadband" is a service mark of KVH Industries, Inc. Inmarsat is an official trademark of Inmarsat plc. Specifications subject to change without notice. Patents Pending.