

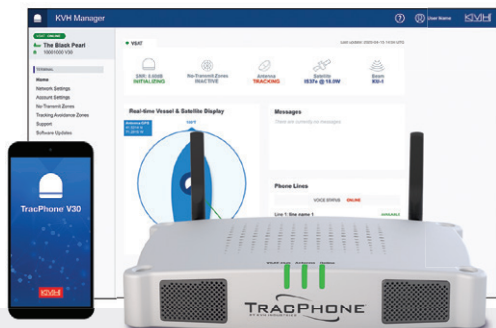
# TracPhone® V30

## The ultra-compact, fast, and affordable VSAT solution



The TracPhone V30 is KVH's ultra compact maritime VSAT solution. Receive fast, affordable service with your choice of metered and unlimited use airtime plans via next generation, high throughput satellites (HTS) from Intelsat with additional coverage from SKY Perfect JSAT. The innovative digital terminal with a 37 cm (14.5") D dish offers higher signal strength and efficiency, an easily installed single cable, DC-powered design with a compact belowdecks unit, and data speeds as fast as 6/2 Mbps (down/up).

- 1 Ultra high efficiency antenna using KVH's RingFire™ design and groundbreaking dielectric rod feed ensures excellent Ku-band reception even in bad weather
- 2 High-performance tracking with 2-axis pedestal design and stabilized skew driven by dual IMUs and high-performance, advanced motor controllers
- 3 Digital antenna design with integrated high-speed modem delivers higher signal strength (no cable loss)
- 4 Commercial-grade rotary joint for unlimited rotation
- 5 Gigabit Ethernet and power over a single coaxial cable for easier and faster installation



The VSAT-Hub is the streamlined all-in-one belowdecks unit that powers the TracPhone V30. This IP-enabled antenna control unit includes versatile network management software, data routing, and firewall security, plus a Voice over IP (VoIP) adapter, built-in Wi-Fi, and an Ethernet switch. Almost 90% smaller by volume than 2U rack-mounted belowdecks units, it's easier to install and ideal for vessels with limited space.

## System Specifications

Service	
Network	mini-VSAT Broadband HTS network
Antenna Type	Ku-band
Service Coverage Area	Seamless worldwide regions
Maximum Speed Download/Upload	as fast as 6 Mbps/2 Mbps (down/up)
Above-decks Equipment	
Antenna Dish Diameter	36.8 cm (14.5")
Antenna Unit Dimensions/Weight	39.4 cm D x 44.7 cm H (15.5" D x 17.6" H)/10.6 kg (23.4 lbs)
Elevation/Azimuth Range	7.7° to 75°/Unlimited 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/Salt Fog	IEC 60945; 40°C (104°F), 95% Humidity (non-condensing)
Rain	Precipitation rate of 1.7 mm/min, w/wind speeds up to 100 knots
Heading Input	NMEA 0183 and NMEA 2000 magnetic or true heading
Antenna Unit Power	48 VDC input from the VSAT-Hub
Hub to Antenna Unit Connection	Single coaxial cable
Below-decks Equipment – VSAT-Hub	
Dimensions	23.6 cm x 20.5 cm x 4.4 cm (9.34" x 8.05" x 1.73"); will fit in 1U slot
Weight	1.4 kg (3 lbs)
Temperature	Operating: -15°C to 55°C (5°F to 131°F); Survival: -25°C to 70°C (5°F to 158°F)
Input Power	10-30 VDC, 125W max
Data Interfaces	4 Ethernet: Gigabit 1000BASE-T IEEE 802.3; 2.4/5GHz IEEE 802.11ac/a/b/g/n; 2 x 2 MIMO WiFi; USB 3.0 Port
Voice Interfaces	1 RJ11 port for VoIP services
System Options	
KVH OneCare Support Program	Available; see <a href="http://www.kvh.com/onecare">www.kvh.com/onecare</a> 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 EN62368-1 and in EMC directive EN60945 FCC Part 15, Subpart B, Class A NMEA 2000 Certified RoHS & REACH
System Warranty <sup>2</sup>	Comprehensive 2-year parts, 2-year labor warranty supported by KVH's worldwide Certified Support Network (CSN)
CA Class Part Number	02-03-100-0

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

<sup>1</sup>Published data speeds are maximum speeds and may vary in different regions and under different conditions.

<sup>2</sup>Unless subject to in-country regulations. Restrictions apply. Visit [www.kvh.com/warranty](http://www.kvh.com/warranty) for details.

## System Diagram




TracPhone V30 Antenna and VSAT-Hub



TracPhone V30  
39.4 cm D, 10.6 kg (15.5" D, 23.4 lbs)

With an antenna that is 55% smaller in diameter and 75% lighter than that of leading competing 60 cm VSAT systems, the commercial-grade TracPhone V30 offers higher or comparable data speeds, but is more affordable, and easier and simpler to install.



### mini-VSAT Broadband HTS Network Coverage Map

Ku-band Coverage
  Anticipated 2021 Coverage
  TracPhone V30 has a 2-axis stabilized antenna pedestal design that does not provide coverage in areas where the satellite is directly overhead.

The map depicts KVH's expectations for the mini-VSAT Broadband HTS network's coverage for the TracPhone V30; actual coverage and availability may vary. Data rates may also vary in different regions. Go to [www.kvh.com/v30map](http://www.kvh.com/v30map) to view our global coverage maps for TracPhone V30 metered and unlimited use service.

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[www.caclase.co.uk/v30](http://www.caclase.co.uk/v30)



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