

KVH®

TracPhone® FB-series

Broadband for a mobile planet™



Courtesy of Elegance Yachts by Pretmann



The flexibility you need for superior communications

FleetBroadband provides constant, simultaneous access to voice and high-speed data services so you can send and receive e-mail with large attachments, run complex data applications, access corporate networks, and enjoy crystal-clear calls more affordably than ever before. Equip your vessel with a next-generation, global communications center using KVH's TracPhone FB150, FB250 or FB500 along with FleetBroadband services:

- Standard IP up to 432 Kbps for e-mail, Internet and connections to company networks
- Streaming IP for guaranteed data rates up to 256 Kbps on demand
- Voice connections available even as you are enjoying high-speed data access
- ISDN for global data connections at 64 Kbps (TracPhone FB500 only)
- SMS for easy, inexpensive text messaging (up to 160 characters)



Choose the TracPhone FB-series from KVH for global communications

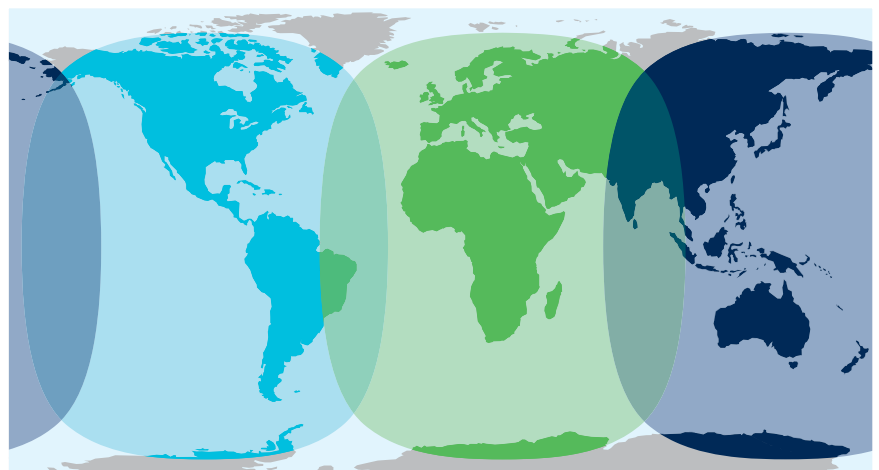
Enhanced data performance, global coverage, and outstanding voice service all in a compact, rugged, and cost-effective package

The safe operation of your vessel, up-to-date navigational data, crew morale, the demands of business in the 21st century – they all demand powerful, real-time communications wherever you travel. Now you have a new option to deliver all of this – Inmarsat's FleetBroadband service. Built upon the most advanced commercial satellites ever launched, FleetBroadband is the first maritime communications service to provide cost-effective broadband Internet and voice connections at the same time via a global network. And there's no better way to use FleetBroadband than with the rugged and reliable KVH TracPhone FB150, FB250 and FB500 systems. Together, KVH's TracPhone systems and Inmarsat's FleetBroadband service offer high-speed Internet and voice service for demanding global maritime applications.

- Choice of TracPhone antennas sized to support installation on almost any vessel
- Data rates up to 432 Kbps
- Flexible airtime pricing
- Global network availability
- Complete compatibility with standard Internet, e-mail, and other onboard applications
- Versatile IP handset for easy system use and configuration
- Unrivalled reliability from Inmarsat, the world's leading and most trusted mobile satellite service provider

Global coverage, connecting you virtually anywhere you cruise

Inmarsat's new I-4 network uses the most powerful mobile communications satellites ever launched. From these orbital locations high above the equator, they provide global coverage for FleetBroadband service.



I-4 Americas **I-4 EMEA** **I-4 Asia Pacific**




This map depicts Inmarsat's expectations of coverage, but does not represent a guarantee of service. The availability of service at the edge of coverage areas fluctuates depending on various conditions. FleetBroadband coverage February 2009.

Powerful commercial-grade hardware solutions for virtually any vessel

Enjoy the flexibility of choosing from three satellite communications terminals with a choice of size to complement your boat's other equipment. The fully stabilized TracPhone FB-series offers global operation and crystal-clear connections even in the most severe weather. Each system is easy to install thanks to a compact above-decks terminal and integrated below-decks unit with full system configuration using just the system's IP handset.



Courtesy of N. Rabinowitz

| | TracPhone FB150 | TracPhone FB250 | TracPhone FB500 |
|--|--|---|---|
| |  |  |  |
| Service | Inmarsat FleetBroadband | Inmarsat FleetBroadband | Inmarsat FleetBroadband |
| Antenna Diameter | 13" (33 cm) | 10.6" (27 cm) – Compact 19" (48 cm) – M5 Matching | 26" (66 cm) – M7 Matching 35" (89 cm) – M9 Matching |
| Antenna Height | 13.5" (34 cm) | 11.8" (30 cm) – Compact 21" (53 cm) – M5 Matching | 27" (69 cm) – M7 Matching 39" (99 cm) – M9 Matching |
| Antenna Weight | 10.9 lbs (4.94 kg) | 11 lbs (5 kg) – Compact 20 lbs (9 kg) – M5 Matching | 40 lbs (18 kg) – M7 Matching 77 lbs (35 kg) – M9 Matching |
| BDU Dimensions | 11" x 9" x 1.6" (28 cm x 23 cm x 4 cm) | 11" x 9" x 1.6" (28 cm x 23 cm x 4 cm) | 11" x 9" x 1.6" (28 cm x 23 cm x 4 cm) |
| Power Supply & Consumption (including antenna) | DC Input (isolated) 10-32 VDC Power (max) 120W @ 10-32 VDC | DC Input (isolated) 10-32 VDC Power (max) 120W @ 10-32 VDC | DC Input (isolated) 10-32 VDC Power (max) 120W @ 10-32 VDC |
| Voice | Digital 4 Kbps voice and digital 3.1 kHz audio | Digital 4 Kbps voice and digital 3.1 kHz audio | Digital 4 Kbps voice and digital 3.1 kHz audio |
| Fax | eFax supported | Group 3 fax via 3.1 kHz audio | Group 3 fax via 3.1 kHz audio |
| Standard IP | Up to 150 Kbps | Up to 284 Kbps | Up to 432 Kbps |
| SMS | Standard 3G (up to 160 characters) | Standard 3G (up to 160 characters) | Standard 3G (up to 160 characters) |
| SIM Card | Locked | Removable | Removable |
| Velocity™ Acceleration Compatible | Yes | Yes | Yes |
| Billing Method | For detailed pricing, visit www.kvh.com/inmarsatairtime and download the <i>FleetBroadband Airtime Rate Sheet</i> . | | |
| Matching TracVision® Dome | TracVision M1 | TracVision M5 | TracVision M7/M9 |

Inmarsat FleetBroadband approved. Meets RTTE, FCC, and CE requirements

For detailed technical specifications, visit www.kvh.com/FB150, www.kvh.com/FB250 or www.kvh.com/FB500 and click on "TECH SPECS-TracPhone FleetBroadband" in the "Additional Documents, Forms & Pricing" tab.



System Diagram

The KVH TracPhone FB-series antenna systems offer the convenience of a simple installation. Each antenna includes a below-decks unit and a versatile IP telephone handset for easy system setup and use.

Choose KVH for a complete satellite communications solution

Choose KVH Industries for your FleetBroadband-compatible hardware and Inmarsat airtime service and enjoy award-winning, rugged communications systems, powerful global service, and affordable airtime. The dynamic Inmarsat FleetBroadband service offers fast, reliable services via the most powerful maritime communications satellites ever launched. And you can trust KVH, an industry leading manufacturer of maritime satellite antenna systems, to offer you the best new products and services available. KVH's complete line of maritime satellite solutions, along with outstanding airtime rates, makes KVH the best source for your maritime communications needs.

Access the Internet, e-mail, and company networks even faster with KVH's Velocity Acceleration software, which provides a 200-500% increase in data speed for Inmarsat services. Optimized for use over satellite connections and fully compatible with KVH's TracPhone products, Velocity Acceleration is available to any Inmarsat equipment owner who activates their Inmarsat service through KVH.

KVH – leader in mobile solutions

KVH is the world's leading provider of mobile satellite communications and TV antenna systems and has been serving the marine industry since 1982. With unsurpassed tracking systems and rugged designs ideal for virtually any vessel type and size, KVH's fully stabilised antennas offer unmatched performance during all sea and weather conditions.

With more than 150,000 mobile satellite antennas fielded worldwide, KVH has supplied more satellite telecommunications and television systems for mobile applications than any other manufacturer and has won the National Marine Electronics Association's "Best Product Award" 36 times. In any harbor, anywhere around the world, you'll see the distinctive KVH antennas with gray baseplates installed on more boats than any other brand of satellite antenna. Tens of thousands of commercial and leisure mariners, along with allied naval vessels around the globe, rely on KVH's rugged satellite systems for their connections to shore, their offices, their families, and the world around them.

When you choose KVH, you choose the best!



KVH INDUSTRIES WORLDWIDE

KVH Industries A/S
EMEA Headquarters

Kokkedal, Denmark
Tel: +45 45 160 180
Fax: +45 45 160 181
E-mail: info@emea.kvh.com

KVH Industries, Inc.
World Headquarters

Middletown, RI U.S.A.
Tel: +1 401 847-3327
Fax: +1 401 849-0045
E-mail: info@kvh.com

KVH Industries Pte Ltd.
Asia-Pacific Headquarters

Singapore
Tel: +65 6513 0290
Fax: +65 6472 3469
E-mail: info@apac.kvh.com

Unsurpassed warranty and technical support



Wherever you travel, you can always count on outstanding support and service through KVH's award-winning, ISO 9001:2008-certified quality, product, and customer support programs. This suite of resources includes KVH's 24/7 online support system; a responsive, international KVH support team; authorized dealers around the globe; and the exclusive KVH Certified Support Network (CSN). Plus, when you purchase an Inmarsat FleetBroadband-compatible TracPhone system and also purchase Inmarsat Airtime Service from KVH, you receive a 1-year parts warranty extension to KVH's standard 1 year parts/1 year labor warranty.

