

Award-winning products from the leader in mobile satellite antennas

No matter what type of vessel you have or where you travel, KVH has the communications solution to provide you with all of the conveniences of your home and office, even while at sea. With phone, fax, e-mail, and even high-speed Internet services available with worldwide coverage, KVH's fully stabilized, award-winning TracPhone systems ensure that you're always connected to your family, friends, and business, wherever you cruise.



You can depend on your TracPhone antenna system to:

- Offer fully automatic operation and dynamic stabilization, even in the most extreme sea conditions
- Allow you to pay only for the time you use, with no monthly airtime minimums
- Serve as the hub for all Internet, voice, and fax services aboard your vessel
- Integrate with shipboard PABX systems for convenient shipwide access to phone services
- Perfectly match KVH TracVision® satellite TV systems for great-looking, dual-dome installations

KVH TracPhone systems use the versatile services offered by Inmarsat, the world leader in mobile satellite communications. From economical satellite phones to high-powered systems that provide high-speed Internet access, KVH products offer a variety of Inmarsat services to meet your needs:

- Inmarsat mini-M Service, the world's most popular mobile satellite service provides high-quality, yet affordable and secure voice, fax, data, and e-mail with trouble-free reception and reliable global connections.
- Inmarsat Fleet Service, the world's most powerful mobile satellite service offers global voice, fax, data, and e-mail connections in addition to high-speed Internet capabilities. For Internet, choose between Inmarsat's "per-minute charge" Integrated Services Digital Network (ISDN) ideal for phone/fax service, video conferencing, and sending large files; and "pay-by-the-bit" Mobile Packet Data Service (MPDS) providing a high-capacity, always-online connection that allows you to surf the web without the constraints of a pay-by-the-minute type of connection while offering a far more relaxing way to use the Internet.

Consumers, boat-builders and marine electronics experts have made it clear – KVH is the undisputed leader in mobile satellite solutions, having fielded more than 100,000 mobile satellite antennas. We became the leader by putting our customers first and making their satisfaction our highest priority. With KVH, you can choose from an award-winning family of satellite communications systems to meet your unique needs.



Select the KVH TracPhone system that meets your needs:

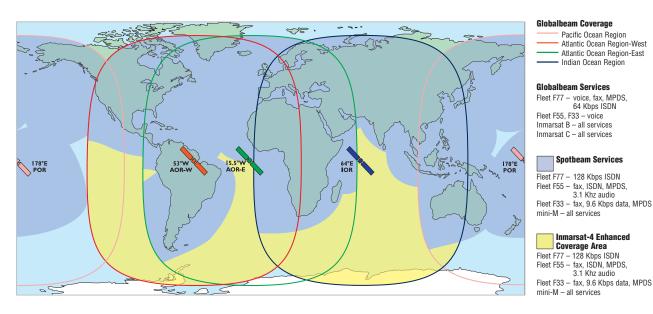
KVH offers a full line of Inmarsat-compatible systems to meet every communications need. You should consider:

- Data speed requirements Will you use your system for e-mail only, network connections, web-surfing, or downloading?
- Cruising regions and coverage area Where will you be traveling most often?
- **Compliance** Do you need a system compliant with International Maritime Organization (IMO) GMDSS safety requirements?

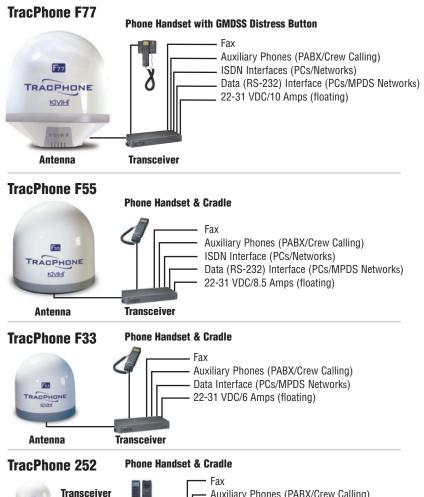
		TracPhone F77	TracPhone F55	TracPhone F33	TracPhone 252
		TRACPHONE KIVIH	TRAOPHONE KIYH	TRACPHONE SOM	Thanpenor Sour
Service		Inmarsat Fleet	Inmarsat Fleet	Inmarsat Fleet	Inmarsat mini-M
Anten	na Diameter	33" (84 cm) – Standard ¹ 35" (89 cm) – Matching	26.2" (66 cm)	14" (35 cm) – Compact 19" (48 cm) – Matching	10" (25 cm)
Ant	enna Height	35" (89 cm) – Standard ¹ 39" (99 cm) – Matching	27.1" (68 cm)	14" (35 cm) – Compact 21" (53 cm) – Matching	11.5" (29.2 cm)
Ante	enna Weight	57 lbs (26 kg) – Standard ¹ 77 lbs (34.9 kg) – Matching	39.7 lbs (18 kg)	10 lbs (4.5 kg) – Compact 20 lbs (9 kg) – Matching	11 lbs (5 kg)
	Voice	4.8 Kbps (Globalbeam) 64 Kbps (Globalbeam)	4.8 Kbps (Globalbeam) 64 Kbps (Spotbeam)	4.8 Kbps (Globalbeam)	4.8 Kbps (Spotbeam)
	Fax	Group 3 (Globalbeam) Group 4 (Globalbeam)	Group 3 (Spotbeam) Group 4 (Spotbeam)	Group 3 (Spotbeam)	Group 3 (Spotbeam)
	es/Coverage				
Dial-up:	Standard	N/A	N/A	9.6 Kbps	2.4 Kbps
	Coverage	N/A	N/A	Spotbeam	Spotbeam
MPDS:	Standard	64 Kbps	64 Kbps	(uplink) (downlink) 28 Kbps 64 Kbps	N/A
	Coverage	Globalbeam	Spotbeam	Spotbeam Spotbeam	N/A
ISDN 1:	Standard	64 Kbps	64 Kbps	N/A	N/A
	Coverage	Globalbeam	Spotbeam	N/A	N/A
ISDN 2:	Standard	128 Kbps	N/A	N/A	N/A
	Coverage	Spotbeam	N/A	N/A	N/A
Bil	ling Method	per data bit or per minute used	per data bit or per minute used	per data bit or per minute used	per minute used
Configura	tion Module	removable	removable	embedded	embedded
	MSRP	\$23,995 – Standard ¹ \$24,495 – Matching	\$19,995	\$11,995 – Compact \$12,490 – Matching	\$5,695
GMDSS Approved		yes	no	no	no
Matching TracVision® Dome		TracVision G8	TracVision G6-HP/6-HP	TracVision G4-HP/4-HP	none

¹Not shown

Inmarsat Satellite Coverage Map[†]



System Diagrams



Fax Auxiliary Phones (PABX/Crew Calling) Data Interface (PCs/MPDS Networks) 10.5-32 VDC/3.3 Amps (floating)

Fax/Phone Switch

[†] The 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 upon a variety of conditions. KVH provides no guarantees of satellite coverage or availability.

KVH and Inmarsat – Bring the best onboard!



KVH Industries is the world's leading provider of mobile communications and television antennas. An ISO 9001:2000-certified company headquartered in Rhode Island, USA, KVH designs and manufactures communications products and digital navigation systems for mobile applications.

Through its worldwide distribution channels, KVH serves recreational, commercial, and military markets. KVH is also a leading supplier of Inmarsat-compatible satellite communications equipment, and offers competitive rates on Inmarsat airtime.



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TRACPHONE

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TRACPHONE

Since 1979, Inmarsat has been the world leader in mobile satellite communications supporting more than 287,000 users worldwide. It is the international standard for maritime "safety at sea" communications. Thanks to KVH and Inmarsat, you can count on reliable voice, fax, data, and high-speed Internet service, wherever you travel.

KVH TracPhone products are compatible with Inmarsat's next-generation satellites, ensuring that your investment in communications today will continue to pay dividends in the future. KVH supports Inmarsat Airtime by KVH customers with a world-class technical support department staffed 24 hours a day, 7 days a week. Additionally, KVH offers online viewing of detailed account and usage information for your satellite

service. It's no wonder KVH has swept the National Marine Electronics Association "Best Satellite Telephone" awards for the past eight years in a row!



Unsurpassed Warranty and Technical Support



KVH's commitment to quality can be seen in the company's reliable products as well as an array of options that provide global product support to every customer. Wherever you travel, whatever KVH product you own, you can be certain to receive outstanding support and service through KVH's product and customer support programs. An ISO 9001:2000-certified organization, KVH meets the highest international standards for quality.

KVH customers can choose the support service that is most appropriate to their product, situation, and location, including a 24/7 online support and troubleshooting system; a responsive, international KVH support team; a broad-based network of authorized dealers; and the KVH Certified Support Network (CSN).

KVH's CSN offers all KVH TracVision and TracPhone customers outstanding technical support. With a network of highly skilled and trained dealers and support centers worldwide, the CSN ensures the quick and efficient world-class service customers have come to expect from KVH Industries.

Technical Specification Chart

Antenna Dimensions: 35"	1 \ 0/	22-31 VDC/8.5 amps (floating)	22-31 VDC/6 amps (floating)	10 5 00 1/50/0 0
	" H x 33" Dia (89 x 84 cm) – standard		22-31 VDG/O allips (lioatilig)	10.5-32 VDC/3.3 amps (floating)
39"	" H x 35" Dia (99 x 89 cm) – matching	27.1" H x 26.2" Dia (68 x 66 cm)	14" H x 14" Dia (35 x 35 cm) – compact 21" H x 19" Dia (53 x 48 cm) – matching	11.5" H x 10" Dia (29.2 x 25 cm)
	' Ibs (26 kg) – standard ' Ibs (34.9 kg) – matching	39.7 lbs (18 kg)	10 lbs (4.5 kg) – compact 20 lbs (9 kg) – matching	11 lbs (5 kg)
Transceiver Dimensions: 2.2	2" H x 15" W x 6.5" D (5.5 x 38 x 16.4 cm)	2.2" H x 15" W x 6.5" D (5.5 x 38 x 16.4 cm)	2" H x 15" W x 6" D (5 x 38 x 15 cm)	1" H x 10.5" W x 8.3" D (2.5 x 27 x 21 cm)
Transceiver Weight: 6 lb	lbs (2.6 kg)	6 lbs (2.6 kg)	4 lbs (1.9 kg)	2.9 lbs (1.3 kg)
Handset Dimensions: 7.9	9" H x 2" W x 1.2" D (20 x 5 x 3 cm)	7.9" H x 2" W x 1.2" D (20 x 5 x 3 cm)	7.9" H x 2" W x 1.2" D (20 x 5 x 3 cm)	7.9" H x 2" W x 1.2" D (20 x 5 x 3 cm)
Handset Weight: 0.6	6 lbs (0.25 kg)	0.6 lbs (0.25 kg)	0.6 lbs (0.25 kg)	0.6 lbs (0.25 kg)
Cradle Dimensions: 3.9	9" H x 5.7" W x 1.6" D (10 x 14.5 x 4 cm)	6.3" H x 2.4" W x 1" D (16 x 6.1 x 2.7 cm)	6.3" H x 2.4" W x 1" D (16 x 6.1 x 2.7 cm)	6.3" H x 2.4" W x 1" D (16 x 6.1 x 2.7 cm)
Cradle Weight: 0.5	5 lbs (0.25 kg)	0.3 lbs (0.15 kg)	0.3 lbs (0.15 kg)	0.3 lbs (0.15 kg)
Ser RS	erial EIA standard S-232E, Built-in modem, max.	MPDS: up & down: 64 Kbps shared Serial EIA standard RS-232E, Built-in modem, max. 115.2 Kbps, DB-9 female connector	Dial-up 9.6 Kbps Serial EIA standard RS-232E, Built-in modem, max. 115.2 Kbps, DB-9 female connector	Dial-up 2.4 Kbps Serial EIA standard RS-232E, Built-in modem, max. 9.6 Kbps, DB-9 female connector
	wire 600 Ω, standard DTMF ephones, RJ-11	2-wire 600, standard DTMF telephones, RJ-11	2-wire 600, standard DTMF telephones, RJ-11	2-wire 600, standard DTMF telephones, RJ-11
RJ-	wire 600, Group 3 Fax, 9.6 Kbps, I-11, Group 4 compatible using DN channel	2-wire 600, Group 3 Fax, 9.6 Kbps, RJ-11, Group 4 compatible using ISDN channel	2-wire 600, Group 3 Fax, 9.6 Kbps, RJ-11	2-wire 600, Group 3 Fax, 2.4 Kbps, RJ-11
Printer: N/A	A	N/A	N/A	Serial EIA standard RS-232E, max. 9.6 Kbps, DB-9 female connector
LAN Port: RJ-	J-45	RJ-45	RJ-45	N/A
EURO ISDN: ISD	DN NT1 S/T bus, RJ-45 connector	ISDN NT1 S/T bus, RJ-45 connector	N/A	N/A
Environmental				
	3°F to +131°F (-25°C to +55°C) 0°F to +176°F (-40°C to +80°C)	-13°F to +131°F (-25°C to +55°C) -40°F to +176°F (-40°C to +80°C)	-13°F to +131°F (-25°C to +55°C) -40°F to +176°F (-40°C to +80°C)	-13°F to +131°F (-25°C to +55°C) -40°F to +176°F (-40°C to +80°C)
	II Inmarsat Type Approval GMDSS	Full Inmarsat Type Approval	Full Inmarsat Type Approval	Full Inmarsat Type Approval
Warranty 1 Y	Year Parts, 1 Year Labor*	1 Year Parts, 1 Year Labor*	1 Year Parts, 1 Year Labor*	2 Years Parts, 1 Year Labor*

^{*1} year additional Parts Warranty when activated with "Inmarsat Airtime by KVH".

Meets Inmarsat, FCC and C€ requirements









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