
Satellite Communications on Board



Iridium offer a totally global network using a network of 66 low orbiting satellites, this keeps the call quality high and the delay on the line low. With an Iridium satellite phone you can place calls from the middle of an ocean and the network routes the call via the Iridium satellite network to the nearest ground station (unlike Globalstar which can only be used "near" land).

A wide variety of Iridium phones are available including portable phones such as the Iridium 9555 & 9575. Fixed satellite phones are also available such as the 9522-P and the new Iridium pilot.

Iridium Coverage

The orbiting nature of the Iridium satellites means there is global coverage. However, Iridium state that the system cannot be used in a number of countries including Poland, North Korea, Northern Sri Lanka, opinion varies as to how well this is enforced in practice.

Iridium satellites pass overhead approximately every 7 minutes and the network automatically hands off to the next nearest satellite - so line drops should be rare as long as you have a strong signal and a clear view of the sky. At any one time it should be possible for the phone to "see" a number of iridium satellites.

Iridium 9555 Portable Satellite Phone



What is it?

Now smaller, lighter and more resistant to water, dust and shock than previous Iridium handsets, this satellite phone is ideal for the worldwide traveler.

Why do you need it?

Business, adventure, or pleasure, you can stay in touch across seas and time zones, in remote locations and on the go. One telephone number covers you everywhere

Iridium 9555 Supplied with:

Battery, AC charger with International plug kit, DC charger, Docking cradle / Antenna Adapter, External magnetic car antenna with 5 feet of cable, Leather case, Hands free earpiece and microphone, Mini USB cable, CD and user manual.

Our Price £799 + VAT

Iridium 9575 Extreme Portable Satellite Phone



What is it?

Iridium Extreme is the new tough handset from Iridium and is engineered with more features and more accessories than it's competitors. The only rugged satellite phone with inbuilt GPS tracking.

Why do you need it?

Iridium Extreme has more features and accessories than any other Iridium satellite phone. It is the only one with real time tracking. It is the only one with GPS-enabled SOS. It is the first phone with military-grade 810F durability, and is dust proof, shock and jet-water resistant.

Iridium 9575 Supplied with:

Travel charger with international adapters, Car charger, Leather case, USB data cable, User manual, Quick Start guide, CD-ROM with software, 2 accessory adapters, Magnetic vehicle mount antenna with 5' cable, Hands-free earpiece with microphone.

Our Price £949 + VAT

DIYachting Ltd

Company Number - 8985432 VAT No. GB-207232641
Registered Address - 15 Bowling Green Lane, London. EC1R 0BD
Directors - Mr M.C.Abbiss & Mrs E.J.Abbiss

Iridium 9522-P Satellite Phone



Very compact unit, optionally with integrated GPS tracking system. Excellent voice quality and because the main unit and all the wiring can be hidden away behind a bulkhead, it's much neater than a portable system, especially when using the external antenna.

Why do you need it?

Business, adventure, or pleasure, you can stay in touch across seas and time zones, in remote locations and on the go. One telephone number covers you everywhere

Iridium 9522-P Supplied with:

Tough base unit, DPL Handset, 12V DC Adaptor, CD and user manual. (**Note:** Iridium antenna **required** - see below)

Our Price £1,599 + VAT

Iridium Pilot



Iridium Pilot is the new high speed satellite Internet device from Iridium. Iridium Pilot offers true IP connectivity with up to three phone lines available for simultaneous use.

Why do you need it?

Iridium Pilot offers three separate phone lines, high-speed data (up to 128Kbps), flexible and attractive pricing packages (from \$0/month), and a low-profile satellite antenna.

Iridium Pilot Supplied with:

- Above & Below Decks Equipment (ADE & BDE)
- Captain's Handset & Crew Handset

Our Price £3,499 + VAT

Iridium Tough Antenna



A rugged passive Iridium antenna designed to operate in harsh environments. The base is milled from aluminium, which is mechanically resilient and resistant to corrosion.

inc.

- Stainless Steel L bracket
- 2x U-bolts (pole/rail)
- Includes 15m cable
- Dimensions:
- Diameter: 8.7cm
- Height (excl bracket) 9cm
- Height (incl bracket) 19cm

Our Price £400 (antenna and 15m cable) + VAT

Iridium Docking Station

A great way to keep your handheld iridium charged and connected to the external antenna yet still available to quickly grab and take into the liferaft if it all goes wrong. Works perfectly with the RedBox router for data.

Our Price £1,050 + VAT

Accessories and mounting brackets are available separately as is professional installation anywhere in Europe. Please contact us for more information and a quotation.

We can also offer SIM cards and recharge facilities for you SatPhone, contact us for information.

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Inmarsat Satellites

Inmarsat is a British satellite telecoms company, first privatised in 1999. In 2010 it won the MacRobert Award for its Broadband Global Area Network (BGAN) service.

Inmarsat's latest I4 satellite system (as used for Inmarsat BGAN and fleet broadband) uses 3 geostationary satellites to provide near global coverage. The previous generation I3 satellites (Inmarsat Mini M, Fleet 33, 55 & 77 systems) used 4 satellites to cover approximately the same area.

Coverage

Coverage is near global for voice and data (i.e. Internet). Note: On the smaller terminals performance will be reduced or unavailable near the fringes of the coverage area.

The advantage of the geostationary satellites is that your satellite phone antenna does not need a clear view of the whole sky, but only a narrow gap pointing directly at the satellite (possibly between two buildings or a gap in the tree canopy). However, because the satellites are in fixed orbits above the Equator there are some gaps in global coverage. There are two reasons for this:

- 1) As the Earth curves away from the satellite towards the poles the satellite will appear lower and lower in the sky. This has the affect of increasing the footprint of a single spot beam, meaning that the signal is having to travel further and is less focused.
- 2) Eventually the curve of the earth will block the satellite from view entirely, resulting in the the gaps in coverage above the north and south poles.

Inmarsat Fleet Broadband FB150



Our Price £3,999 + VAT

The Sailor FleetBroadband FB150 closes the gap between affordability and satellite broadband Internet on-board your boat.

Why do you need it?

The new FB150 service has been established to provide a low-cost means for leisure yachts, smaller fishing and commercial vessels to take advantage of the IP data, high quality voice communication and SMS provided by FleetBroadband.

FB150 Supplied with:

Above deck antenna dome unit, below deck base unit, wired handset, 10m antenna cable.

Inmarsat Fleet Broadband FB250



Our Price £6,999 + VAT

The Sailor FleetBroadband 250 is the perfect partner for someone wanting to run a business from their boat.

Why do you need it?

The Sailor FleetBroadband 250 is virtually the same size as the FleetBroadband 150 but can manage nearly twice the data speeds. The FleetBroadband 250 is also better equipped with its two extra ethernet ports, fax capabilities and guaranteed streaming IP bandwidth.

FB250 Supplied with:

Above deck antenna dome unit, below deck base unit, wired handset, 25m antenna cable.

Accessories and mounting brackets are available separately as is professional installation anywhere in Europe. Please contact us for more information and a quotation.

We can also offer SIM cards and recharge facilities for you SatPhone, contact us for information.

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