

# Technical Specifications

Inmarsat's **mini-M** service provides access to a range of essential mobile office applications, including voice and data, from virtually anywhere in the world. With coverage of 98 per cent of the world's land mass as well as major shipping routes, **mini-M** is an ideal solution for delivering communications needs across the globe.

Designed to exploit the spot-beam power of the Inmarsat-3 satellites, **mini-M** terminals are small and lightweight.

## Features

- Compact and versatile equipment, with a range of interfaces with PCs and other hardware
- Robust – rugged and reliably designed, ideal for field use

## Applications

Since the introduction of the Inmarsat **mini-M** service in January 1997 it has proved to be a firm favourite within many vertical markets. With combined maritime, land and aeronautical terminal commissionings now around 100,000 **mini-M** continues to provide the missing link for many where local communications are of poor quality, or simply don't exist.

Major customer groups include journalists, aid workers, business professionals, emergency services, trucking companies, Government organisations, ship owners and anyone operating in areas beyond the reach of cellular or fixed communications.

## Services and Service Provision

- Land portable – smallest and most portable of the units, designed specifically for the mobile user
- Land mobile – vehicular mounted unit with satellite tracking (or omni directional) antenna enabling the user to make calls whilst on the move
- Large antenna **mini-M** – utilising the extra power available from an 80cm antenna, the large antenna **mini-M** (LAMM) is ideal for semi fixed or fixed installations, providing the same quality of service for a lower per minute charge. Also available in a payphone variant
- Maritime – featuring a gyro-stabilised antenna the maritime unit is ideal for all vessel sizes from leisure, coastal and fishing vessels to deep sea commercial operations
- Aeronautical – with its small size and low weight, **mini-M** Aero can be fitted to virtually any aircraft flying today

## Terminal/Service characteristics

Feature	Details
Lightweight	Land versions are lightweight and portable, weighing about 2.2kg (4.8lbs) and resembling a laptop sized computer.
Rugged build quality	All units have been designed to stand up to the rigours of everyday in-field use and rough handling.
Voice fax and data interfaces	With the increased reliance on e-mail and other data services, <b>mini-M</b> has been designed to provide easy interfacing and reliable connectivity through to corporate LANs and e-mail services. In addition, the terminals also feature fax/voice ports for attaching other common external office devices.
Internal batteries	Yielding typical talk times of 2.5 hours and standby times of up to 50 hours, a <b>mini-M</b> is ideal for those wandering far from the beaten track. Batteries can be readily topped up with a car cigarette lighter adapter or an AC/DC adapter/charger unit.
Detachable Antenna	Whether using a <b>mini-M</b> in a temporary or permanent location, the antenna can easily be detached from the telephone/base unit allowing the user to continue connecting via satellite from their room/office.
SIM card reader	Subscriber identity module (SIM) cards can be easily installed and removed making it possible to share a <b>mini-M</b> among a number of users without having to create complex billing arrangements. Containing the billing identification and being credit card sized, the SIM card can be kept outside of the terminal preventing unwanted calls being made on the user's airtime account.
STU IIB & STU III capabilities	Through a simple software upgrade users can assure the security of their calls.

For further information about Inmarsat **mini-M**, please contact:

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