Using Beam
RapidSat700 with
BGAN

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1. **Overview**

The BEAM RapidSAT 700 is a portable satellite communications system operating on the Inmarsat BGAN network. It is fully contained in a rugged waterproof Pelican case ready for deployment in emergency situations, crisis response, and for rapid setup of voice and broadband in remote areas.

2. **Key Features**

The RapidSAT 700 supports data rates up to 492kbps, provides WiFi connection up to 45m outdoors, 10/100Mbps LAN ports, RJ11 voice/fax & handset, voice/data connectivity and integrated power management with status indicators and fan-forced cooling. The RapidSAT 700 contains inbuilt Lithium Battery backup of 538WHr, delivering 24 hours of transmit time. The RapidSAT 700 has an in-built EXPLORER 700 fitting securely in the case and providing access to the highest bandwidth available via BGAN. It facilitates a platform for a wide range of applications with need of high performance.

Key features include:

- Status LEDs
- Privacy handset
- Phone/fax connectivity
- LAN connectivity
- USB connectivity
- AC charging
3. **Benefits to BGAN users**

3.1 **Market sectors**

The RapidSAT 700 is an ideal solution for emergency situations, crisis response and any situations where rapid set up is required. It targets various market sectors such as Land Enterprise and Aviation.

3.2 **Typical users**

The typical users’ groups are Avionics for rapid set up communication, Disaster recovery, Mining and Energy, Emergency services, Defence force and Aid/NGO.

- Avionics
- Disaster recovery
- Emergency services
- Mining/Energy
- Defence Force
- Aid/NGO

4. **Setting up (RapidSat700)**

The RapidSAT 700 is very easy and quick to set up. The Explorer 700 terminal is contained in the case. The antenna stored in the case can easily be deployed and pointed towards the Inmarsat satellite.

4.1 **Explorer 700**

The Explorer 700 terminal provides access to the highest bandwidth available via BGAN for a wide range of applications with need of high performance.

**Features:**
Phonebook, Fax, Message indicator, Restricted dialing, Traffic logging, Admin control (password protected), Webserver, Router or direct mode, Network Management, DHCP, SIP server, RemoteManagement, Up to 11 x PDP context, Point-to-point Protocol over Ethernet (PPPoE), Solar Panel powering.
Versatility:
The flagship in the EXPLORER series provides multiple interfaces to support a wide range of applications. Ideal for video streaming applications and large file transfer and can be used by smaller workgroups sharing a temporary or semi permanent office environment.

High-speed:
The fastest BGAN terminal on the market with downloads and uploads at 492 kbps. Moreover, it supports Inmarsat’s BGAN X-stream, on-demand streaming at 384kbps for applications demanding outstanding performance.

Rough environments:
Designed to withstand severe environmental conditions such as humidity, dust, extreme weather and changing temperatures.

For how to set up the Explorer 700 terminal you can refer to the terminal user guide.

5. Further details and support

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