

# COMMUNICATIONS FAILURE – NOT AN OPTION

## High Speed Broadband on the Move

### WORLD LEADERS

Thrane & Thrane is the world leader in terminals and Land Earth Stations for the Inmarsat satellite communication network. Of the 350,000 Inmarsat terminals in use worldwide, more than two thirds have been delivered by Thrane & Thrane.

#### Boundless Innovation

At Thrane & Thrane, we are passionate about new technology. We promote constant innovation in everything we do. Perhaps it is this progressive approach to development that has placed us at the top of Inmarsat's list of partners.






Our latest and most challenging commission to date is to develop the Radio Access Network for Inmarsat's Broadband Global Area Network (BGAN) high-speed satellite link-up system. In short, we are creating tomorrow's broadband infrastructure today.

“Competent and creative engineers that think extreme and act rationally.”  
– Lars Thrane, Founder and President.



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-  **Voice** – Make voice calls while you access your data applications. Voicemail is also available. Group 3 fax is supported via the voice channel.
-  **ISDN** – Supports ISDN at 64 kbps for your legacy applications.
-  **IP** – Standard Data – For e-mail, Internet and intranet access via a secure VPN connection, at speeds up to 432 kbps over a shared channel.
-  **SMS** – Send and receive text messages – up to 160 characters.
-  **256 kbps** – Streaming Data – Guaranteed data rates on demand up to 256 kbps. Choose the data rate on case basis, depending on your application.



**Effective Communication**

Effective communication can win battles and save lives. Easy to say from the comfort of basecamp, but once in the field, poor connections, interrupted coverage and blind spots put lives in jeopardy. Now – thanks to a breakthrough in mobile broadband technology – reliable, comprehensive coverage has arrived. Communication you can trust has entered the arena and is saving lives.

**Rapid Response**

The EXPLORER 727 is a mobile broadband platform that puts your team online in an instant and keeps it there. No matter how bad the conditions, or how extensive your maneuvers, you'll have access to a stable and reliable Internet connection via satellite. Wherever your forces are engaged, you'll always be able to communicate.

**Ready to Make a Difference**

In the field, there's no time to stop and set up a satellite link. You need an instant connection that stays connected, no matter what. Mounting the EXPLORER 727's antenna

on the roof of your vehicle will turn it into a reliable mobile communications hub.

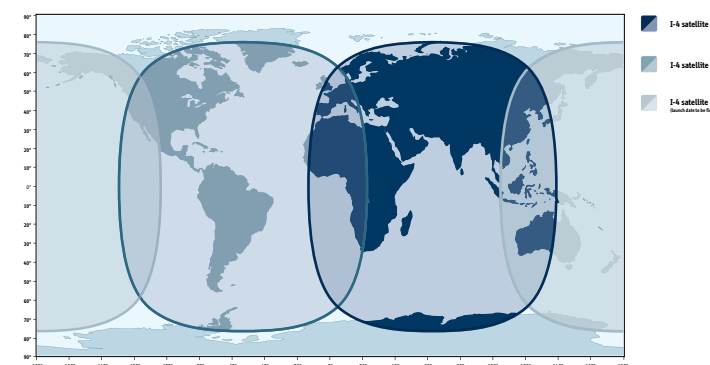
The EXPLORER 727 automatically connects to the BGAN network. There's no need to track satellite positions or schedule air time. Just switch it on and you're good to go. It really is as simple as that.

**Advantages for Military Use**

- Dual purpose (fixed/On the Move)
- Turns the vehicle into a On the Move hub
- Secure communication
- Border control
- Fixed installation with no technical personnel
- Connection options are numerous
- Easily deployable
- Instant situational awareness

**Learn more about our EXPLORER® 727 at [www.thrane.com](http://www.thrane.com)**

**BGAN network coverage**



The satellites are placed in geostationary orbit 36,000 kilometers (22,000 miles) above the Atlantic, Indian and Pacific Oceans respectively.

In 2008, when the third Inmarsat Satellite over the Pacific Ocean is in orbit, adjustment between the satellites will increase the coverage in general.

**Used for:**

- Rapid response
- On the Move (OTM)
- Secure communication
- Border control
- Emergency vehicles
- Law enforcement vehicles
- And more

**EXPLORER® 727 – ANYWHERE, ANYTIME**