

EXPLORER 5075GX

0.75m Auto-Acquire Fly-Away Antenna System for Inmarsat Global Xpress®

COBHAM

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The most important thing we build is trust



EXPLORER 5075GX

This Cobham EXPLORER auto-acquire fly-away system is lightweight, rugged and portable. The terminal includes a fully integrated iDirect Core Module, and is configured specifically for operation on the Inmarsat Global Xpress® (GX) ka-band network. Its user friendly design allows operators with little satellite experience to access GX services within minutes.

Online with the push of a button

EXPLORER 5075GX features an auto-acquire system that ensures connectivity to GX services with the push of a button. It's that simple. No pointing is needed with EXPLORER 5075GX, it automatically finds the satellite in the matter of minutes, providing quick access even in remote locations.

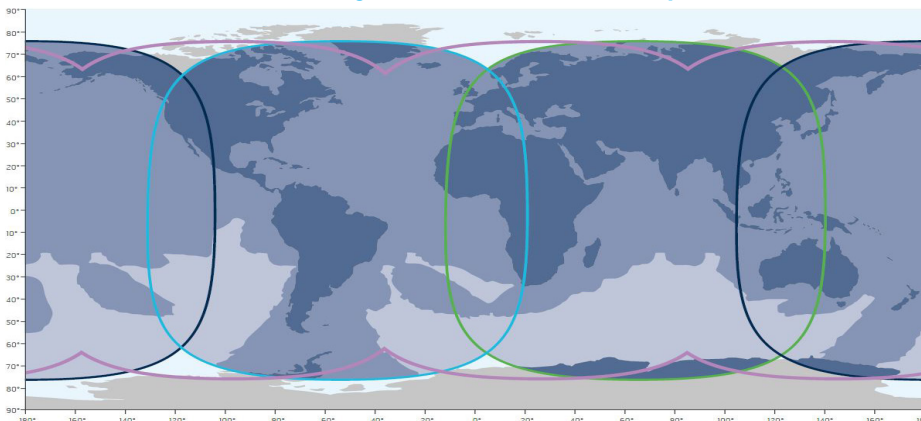
Reliable EXPLORER

EXPLORER 5075GX is developed completely in-house by Cobham SATCOM. It features genuine EXPLORER design, which is already established and proven with Cobham SATCOM's highly regarded EXPLORER BGAN and VSAT terminals. Its unique design and system versatility ensures high-quality connectivity, which means you can count on EXPLORER 5075GX to provide you with vital communication whatever the conditions.

System Features

- Easy to set up and use
- 4-Piece Carbon Reflector
- 0.75 m Axis-Symmetric Reflector
- IPX5-compliant Baseband Packaging
- WLAN Access Point and LAN interface
- LCD Display and Web-Based User Interface
- 2 Case Solution, Airline Checkable

Global coverage with Inmarsat Global Xpress®



Cobham SATCOM is an official launch partner for the new Inmarsat Global Xpress® Ka-band network. Inmarsat Global Xpress is the first high-speed broadband network to span the world. Regardless of the application, our suite of EXPLORER GX terminals will provide the reliability and functionality required to fast and effectively connect users to the Global Xpress® network.

Subject to change without further notice.

Related Products: EXPLORER 3075, EXPLORER 3075GX

EXPLORER 5075GX

0.75m Auto-Acquire Fly-Away Antenna System for Inmarsat Global Xpress®



| Antenna Characteristics | | |
|-------------------------------------|----|-----------------|
| Feed | | 2 Port Circular |
| Frequency (GHz) | Rx | 19.2 - 20.2 |
| | Tx | 29 - 30 |
| Gain (dBi ± 0.2) | Rx | 41.0 |
| | Tx | 44.5 |
| Axial Ratio (AR) (dB) w | Rx | ≤ 1.5 |
| | Tx | ≤ 1.0 |
| Polarization | Rx | LHCP |
| | Tx | RHCP |
| G/T - Comm @ 30° EL, Midband (dB/K) | | 17.3 |
| EIRP @ Midband (dBW) | | 51.5 |
| BUC power (P linear) (Watts) | | 5 |

| Environmental | | |
|---------------|---------------|--|
| Wind Speed | - Operational | 48 km/h (30 mph) gusts up to 72 km/h (45 mph) (anchored) |
| Temperature | - Operational | -25° to +55°C (-13° to +131°F) |
| | - Survival | -40° to +80°C (-40° to +176°F) |
| Rain | | <100 mm/hr |
| Humidity | | 0 to 100% (condensing) |

| | |
|----------------------|------------------------------------|
| Assembly Time | Approximately 10 Minutes (typical) |
|----------------------|------------------------------------|

| Reflector | |
|--------------|-------------------|
| Size | 0.75 m |
| Optics | Axis-Symmetric |
| Construction | 4-piece segmented |

| Mechanical | |
|-------------------|---|
| Axis Drive System | 2-Axis Positioner |
| Mount Geometry | Elevation over Azimuth |
| Travel | - Azimuth - Elevation |
| | 180° or ± 90° from stow position 0° to 90° |

| Weights & Measures (approximate) | |
|----------------------------------|--|
| Terminal | 26.7 kg (59 lbs) |
| Packaging (2 cases) | Airline checkable |
| Base unit case (L/W/D) | 63.2 / 60.2 / 33.3 cm 24.9 / 23.7 / 13.1 inches |
| Weight | 30 kg / 68.5 lbs |
| Reflector + feed case (L/W/D) | 63.2 / 60.2 / 33.3 cm 24.9 / 23.7 / 13.1 inches |
| Weight | 20.4 kg / 44.5 lbs |

| Power Requirement | |
|------------------------------------|--|
| 48 VDC nominal, 44-52 VDC | |
| 4A (max) | |
| Supplied with 320W AC/DC converter | |

| User Interface | |
|--|--|
| Embedded web server for configuration, control and management using external PC. | |

| Product number | |
|----------------|-----------------|
| 407166A-00500 | EXPLORER 5075GX |



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