

# Triton Advanced



## GLOBAL VMS and Electronic Logbook Terminal

Sustainable management of marine resources

PRODUCT



Non-contractual photo

### FISHING VESSEL MONITORING

The Triton Iridium beacon is specially designed for fishing vessel monitoring and electronic logbook reporting. It automatically transmits the position, speed, and heading of the fishing vessel thanks to the Iridium satellite system. On demand it can also transmit/receive catch reports, emails, weather data ... The Triton transmitter is robust, highly reliable and easy-to-install.

### FEATURES

#### TRACKING

- 100% global coverage (Iridium satellite constellation)
- Real-time position reports (with speed and heading)
- Zone management (geo-fencing)
- Airtime cost control by zone at port

#### COMMUNICATION

- Connects to android tablet with Bluetooth or laptop via USB port to send/receive emails, electronic catch reports, weather bulletins
- Satellite communication via IRIDIUM constellation

#### ALARM

- Alarms triggered by geographic event (entry/exit of zone, vessel at port or stationary) or by modification of a technical parameter (loss of Iridium or GPS signal, power supply failure, battery back-up ON/OFF ...)
- Assistance messages

#### REMOTE CONTROL

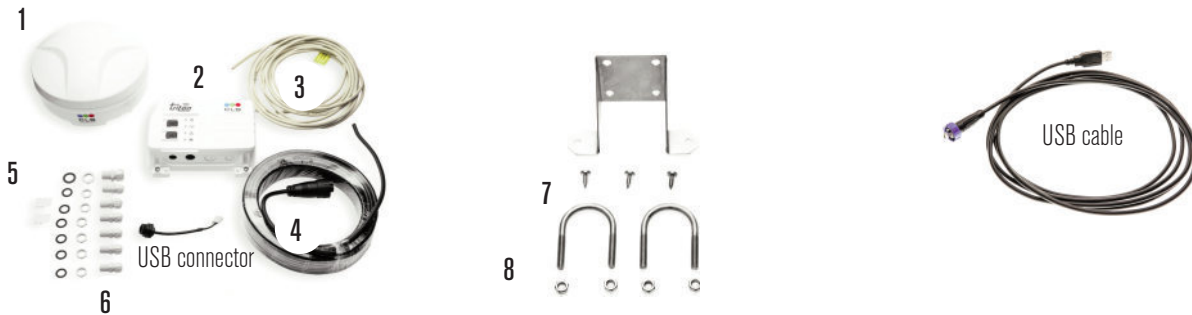
- Terminal parameters reading (reporting frequency, power source, ...)
- Modification of terminal settings (reporting frequency, ...)
- Positions on demand (polling)
- Archived positions reading (tracking replay mode)
- Sensor monitoring
- Zones parameters setting



## PHYSICAL AND ENVIRONMENTAL CHARACTERISTICS\*

Dimensions (L xW x H)	Dome: 201 mm diameter, 125 mm height Junction box: 180 mm x 129 mm x 59 mm
Weight	Dome: 1.65 kg (3.2 Ah battery) or 2.04 kg (7.0 Ah battery) Junction box: 0.36 kg
Junction box	Triton advanced : USB and Bluetooth Connection, Isolated I/O, CAN BUS (NMEA2000) ready
Visual display	LEDS: - power - network - assistance - message Buttons: - Assistance - Test
Audible alarm/buzzer	Activated when beacon is not functioning properly or beacon in zone
Waterproof	Dome: IP67 Junction box: IP65
Temperature	Operating temperature: -20°C to +55°C Charging temperature: -20°C to +55°C Storage temperature: -25°C to +70°C
Power supply voltages	DC from 10V to 36V
Internal battery	Autonomy of 72h in regulatory mode "regular mode" Autonomy of 100h minimum in assistance mode with 6V 3.2 Ah battery (lead-acid) Autonomy up to more than 30 days in assistance mode (non degraded) with 6V 7.0 Ah battery (lead-acid)
Internal memory	1 min GNSS geolocation for 6 months
GNSS	GPS and GLONASS
Compatibility	CE, IEC 60945
Tamperproof	1. Tampering detector if transceiver is dismounted 2. Anti-disassembly system 3. Tampering detector for warning message when the dome is opened

\*All characteristics are subject to change without prior notice.



- 1 Dome
- 2 Junction box
- 3 Power cable (5m)
- 4 Cable to dome and junction box (15m)
- 5 Blanking tabs for Test-Assistance buttons
- 6 Cable glands

- Mounting kit
- 7 Mounting brackets
- 8 Screws, nut, stirrup

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