



# ECHO

SATELLITE-BASED TRACKING WITH INTEGRAL EMERGENCY ALERT BUTTON AND TWO-WAY SECURE CHAT MESSAGING

## Tracking

Echo operates on the Iridium satellite network, which offers complete global coverage and the option of AES 256 bit encryption. Robust and versatile, the device can be hand-carried or deployed as a vehicle tracker using the optional vehicle kit. The reporting rate can be changed as required over-the-air, from one-minute intervals upwards. Waypoint marking and 'check-in' messages are also supported, all controlled through the device's simple one touch buttons.

## Versatility

The Echo is an ideal unit for the dismounted soldier or police officer on the ground, a simple to use tracking device that be unique to each person. Easily programmable with either a personal ID such as army number, call sign or blood group. The user can learn how to use the devices in a matter of minutes with its ergonomic design for On/Off, Check-in, text update and emergency functions.

ECHO IS A PIONEERING TRACKING SOLUTION. THE LATEST HANDHELD GPS DEVICE OF ITS KIND, ECHO PROVIDES TRACKING, EMERGENCY ALERT AND TEXT MESSAGING CAPABILITY FOR MILITARY, POLICE & GOVERNMENT PERSONNEL, AND VEHICLES ANYWHERE IN THE WORLD.

Nortac have listened to the operationally adaptive military community, and the Echo meets the standard as a robust and easy to use device, when the situation requires. The Echo can be used as a standalone or be connected to a ruggedized tablet for great functionality of viewing other assets and sending two-way short burst data messages using the SCCTITAN Platform software.

## Battery Life

Impressive battery life allows for over 4 days of operation (at 15-minute position reporting based on 10-hours operations per day) on one charge.

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## Emergency Alert

When the emergency alert button is pushed, audible and visual alerts appear on the SCC TITAN system. Notification of alarm is also automatically forwarded by SMS and e-mail to nominated recipients and SCC Tactical first responders.

## Chat Messaging

The Echo provides 2-way chat messaging (free text) using an Android smart phone or tablet between the device and the SCC TITAN Platform, device to asset group and device to device is supported. Free text, predefined canned messages and asset groups are available.

## ECHO Specifications

Certification:	FCC, IC and CE (SBD Iridium)
Rating:	IP68 Waterproof to 1 metre
Security:	AES 256 encryption
Dimensions:	108 mm (152 mm at the antenna) x 57 mm x 25 mm
Weight:	150 g (add 8.5 g for belt clip)
I/O and Power interface:	Standard mini
USB Communications interface:	Class two
Bluetooth	(10 metre range)
Software upgrade:	Via mini USB
Operating temp:	-20°C to +55°C
Operating humidity:	< 95% RH
Iridium frequency:	1616 to 1626.5 MHz
GPS frequency:	1575.42 MHz (L1 carrier)
GPS:	Ultra high sensitive -165 dBm
Part Number:	T24-0001457-ECHO
NATO stock No (NSN):	5895-99-216-4223

## SCCTITAN Platform

Combine the Echo with 's blue force tracking, command and control software the SCC TITAN Platform allow your commanders to monitor and manage their personnel and assets on an affordable common operating picture.

As SCC TITAN Platform is a web-based system where users can access it from anywhere with an internet connection, whether that be a mobile tablet computer or a sophisticated operations centre. The SCC application, SCC Tactical uses the Echo as a secure communication link to provide blue force tracking and command and control from anywhere in the world all displayed on a Windows Tablet (see SCC Tactical product sheet).