

# NAVSHARE

## GAGAN enabled Bluetooth GPS



### Product Description

NAVSHARE is a portable, self-contained GAGAN enabled GPS data recorder. The unit comprises of a high sensitivity GPS + GAGAN receiver with on-board non-volatile memory, antenna and an in-built rechargeable battery. The receiver is based on Accord's indigenous GPS receiver technology.

The device has a compact, lightweight design and is built with tough ABS plastics.

The unit continuously records user's position, speed, heading and time in a high endurance non-volatile memory. The receiver's intelligent power saving mode extends the battery operation.

The Live NMEA data can be streamed directly to Android mobile phone through Bluetooth. The phone needs to have suitable application to receive the serial data and display it.

It has a special feature of reception of Type 63 messages from all available GAGAN satellites and send it to the processing applications.

### Features

- ◆ High Sensitivity GAGAN enabled GPS Receiver
- ◆ Designed for Location Sharing Application
- ◆ Improved Accuracy with GAGAN Signals
- ◆ Rechargeable in-built Li-ion Battery
- ◆ Compact, Lightweight, Durable design
- ◆ USB and Bluetooth interface
- ◆ NMEA0183 Rev 4.10 messages
- ◆ Indigenous GNSS Receiver
- ◆ GAGAN Type 63 reception for GAMES applications



#### Few of other products realized by ACCORD



GNSS Precise Timing System



Airborne CDU



Airborne GPS-GAGAN Rx



Airborne CSWS



GNSS User Receiver



GNSS Module

# Specifications for NAVSHARE

## Performance

Channels	16
Signals	GPS L1, C/A code and GAGAN L1, C/A code
Cold Start TTFF	45 seconds (typical)
Hot Start TTFF	1 seconds (typical)
Positioning Modes	GPS + GAGAN, GPS Standalone
Horizontal position Accuracy	2.5m(RMS) with GAGAN , 5m (RMS) Standalone GPS
Speed Accuracy	0.1 m/s (RMS)
Position Update Rate	1 Hz
Recording Rate	1 Hz
Altitude	-1,000m to +18,000m
Storage	100,000+ Records
Battery Life	24 Hours

## Power / Antenna / Interface

Power Supply	Rechargeable Li-ion Battery
Antenna	Inbuilt GPS Antenna
Host Interface	Mini-B USB interface for Serial communication
GUI Data formats	NMEA, .kml, .igc
Bluetooth Protocol	Bluetooth Specification v2.0+EDR
Bluetooth Frequency and Power	2.4GHz/ Class2, ≤4dBm

## Physical

Weight of the Unit	110 gms (including battery)
Dimensions	67 mm x 68 mm x 27 mm (L x W x H)
Enclosure	ABS plastic

## Environmental

Operating Temperature	0° C to +60° C
Storage Temperature	-20° C to +70° C
Humidity	95% RH non-condensing