

SANAV GC-101-D2F GPS Tracker

High Performance Quadband GPRS/GPS Tracker with 'Store and Forward' Data Logging and Built-in Microphone



FC CE

Introduction

The GC-101-D2F is latest version of the SANAV mini GPS tracker, the GC-101, one of the smallest and lightest GPS/GSM/GPRS trackers in the world. While the GC-101-D2F is tiny in size, it is feature rich, so that the GC-101-D2F can be used in almost any tracking applications, such as personal security, workforce management, vehicles and asset tracking and recovery, patient and offender tracking, etc.

The GC-101-D2F includes a built-in microphone which can be remotely enabled via SMS and then dialed up from any phone. Additionally, the GC-101-D2F includes an on-board 'store and forward' flash memory data logging capability, which enables GPS position reports to be automatically stored when in poor GSM wireless signal conditions (e.g. in remote areas) and then transmitted when the GSM signal improves sufficiently.

The GC-101-D2F supports multiple GPS report triggering modes including Auto-Report, Geofence, Speed/Park, SOS/Panic, Polling, etc.



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ElectronGPS



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Features

- Quadband GSM 850, 900, 1800 & 1900MHz frequencies.
- Built-in microphone with remote dial-up audio access.
- On-board Flash memory for 'store and forward' data logging.
- SiRF Star III high performance and low power consumption chipset.
- Compact size.
- High GPS and GSM sensitivity.
- SOS button for emergency use
- Send positions via SMS or GPRS.
- Geofencing available.
- Programmable GPS auto report interval ranging from less than 10 secs to 65,000 seconds (~18 hours).
- Polling current GPS position in active mode.
- Remote Programming via SMS.
- Supports HTTP, TCP and UDP transmissions.

Applications

- **Workforce Tracking:** Field Service Technicians, Couriers, etc.
- **Vehicle Tracking:** Delivery Trucks, Shuttle Buses, Rental Cars, etc.
- **Asset Tracking:** Shipping Containers, Construction Equipment, Heavy Plant, etc.
- **Personal Safety:** Alzheimer Patients, Children, Bail Bond Agents, Security Guards, etc.

Box Contents

- CD with User Manual
- 110V Mains Charger (USA/CAN) or 220V Mains Charger (Europe)
- Vehicle 12V cigar charger adapter

(Note: USB Programming Cable accessory available)



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SPECIFICATIONS

GSM & GPS MODULES

GSM Chipset: Siemens MC55i

GPS Chipset: SiRFStar III

GPS RECEIVER

Chipset: SiRFStar III

Datum: WGS-84

Sensitivity: -159dBm

Reacquisition: <0.1sec TTFF (Time To First Fix)

Hot: 1sec TTFF typical

Warm: 38sec TTFF typical

Cold: 42sec TTFF typical

Position Accuracy: 15m RMS without SA (Selective Availability)

GSM TRANSCEIVER

Frequencies: GSM 850/900/1800/1900MHz

GENERAL

Antenna: Internal GSM antenna and active GPS patch antenna

External Power Supply: 5.0 ~ 8.0V DC with charging current of 500mA

Internal Battery: 3.7V DC, 1800mAh Li-ion battery

Battery Operation: > 50 hours (stand-by mode, one GPS report per hour)

Dimension: 64.66 x 43.19 x 27.70mm (with 1800mA battery)

Weight: 92g (with 1800mAh battery)

Temperature Ranges: **Operating:** 0°C ~ +50°C **Storage:** 0°C ~ +50°C

Relative Humidity: 5% to 95% non-condensing



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