

MIGHTY NV-47 Waterproof GPS Tracker

For motorcycles, motor boats, caravans, and outdoor equipment

Features of NV-47 GPS Waterproof Tracking

- IP67 casing
- Compact size
- Easy to install
- SMS remote control for engine on/off
- Panic input for emergency or anti-theft
- Wide power supply range: 6-37 volt
- Auto switching to sleep mode
- Stand-by time up to 2 yrs

For private outdoor leisure pursuit or commercial business it is not possible to have access to a regular power supply for recharging purposes. Harsh outdoor weather requires a special device that can operate reliably in rainy or snowy conditions. MIGHTY NV-47 waterproof GPS Tracker can be used when external power is not always available, or when long stand-by time is required, such as on motorcycles, boats, caravans, containers etc. It is IP66 rated which means it is completely dust tight and rain proof.

MIGHTY NV-47 can be configured to stay in sleep mode. When it is in sleep mode, it can operate for months or 2-3 years by using its own back-up battery. When the external power is connected or turned on, it will not only be back to on-line mode, but also charge its own back-up battery automatically.

MIGHTY NV-47 can take a wide power supply range from 6~37 volts allowing it to be attached to all kinds of vehicles or equipment. A panic button provides emergency help requests for users or outputs can be setup to create an automated anti-theft function which when tripped or broken can send alerts to emergency services or even be used to disable an engine remotely.

MIGHTY NV-47's advanced design makes it an ideal GPS tracker for anti-theft, recovery and tracking in harsh conditions.



GPS Specifications Ublox-LEA-5S chipset

Receiver Type

50 Channels

GPS L1 frequency C/A Code

GALILEO Open Service L1 frequency

Time-To-First-Fix

Cold Start (Autonomous) 29 s

Warm Start (Autonomous) 29 s

Hot Start (Autonomous) <1 s

Sensitivity

Tracking & Navigation -160 dBm

Re-acquisition -160 dBm

Cold Start (Autonomous) -144 dBm

Horizontal Position

Accuracy Autonomous < 2.5 m

SBAS < 2.0 m

Velocity Accuracy 0.1 m/s

Heading Accuracy 0.5 degrees

Dynamics ≤ 4 g

Operational Limits Velocity 515 m/s (1000 knots)

Power Use

Battery 960mA/ 3.7 volt



MIGHTY GPS

<i>GSM/GPRS Specifications: SIM340D chipset</i>	
<i>Electrical Characteristics</i>	
Frequency bands	<ul style="list-style-type: none"> ▪ SIM340DZ Quad-band: GSM 850, EGSM 900, DCS 1800, PCS 1900. The SIM340DZ can search the 4 frequency bands automatically. The frequency bands also can be set by AT command. ▪ Compliant to GSM Phase 2/2+
GSM class	Small MS
Transmit power	<ul style="list-style-type: none"> ▪ Class 4 (2W) at EGSM 900 ▪ Class 1 (1W) at DCS1800 and PCS 1900
GPRS connectivity	<ul style="list-style-type: none"> ▪ GPRS multi-slot class 8 (optional) ▪ GPRS multi-slot class 10 (default) ▪ GPRS mobile station class B
DATA GPRS CSD	<ul style="list-style-type: none"> ▪ GPRS data downlink transfer: max. 85.6 kbps ▪ GPRS data uplink transfer: max. 42.8 kbps ▪ Coding scheme: CS-1, CS-2, CS-3 and CS-4 SIM340DZ supports the protocols PAP (Password Authentication Protocol) usually used for PPP connections ▪ The SIM340DZ integrates the TCP/IP protocol. Support Packet Switched Broadcast Control Channel (PBCCH) ▪ CSD transmission rates: 2.4, 4.8, 9.6, 14.4 kbps, non-transparent ▪ Unstructured Supplementary Services Data (USSD) support
SMS	<ul style="list-style-type: none"> ▪ MT, MO, CB, Text and PDU mode ▪ SMS storage: SIM card
SIM interface	Supports SIM card: 1.8V ,3V
Audio features	<p>Speech codec modes:</p> <ul style="list-style-type: none"> ▪ Half Rate (ETS 06.20) ▪ Full Rate (ETS 06.10) ▪ Enhanced Full Rate (ETS 06.50 / 06.60 / 06.80) ▪ Echo suppression