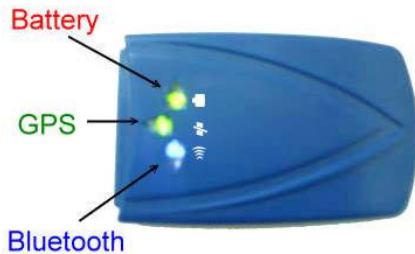


Wireless GPS Receiver

with **bluetooth** technology

Acore AG-600 series GPS is a standalone, wireless GPS Receiver, which take full advantage of bluetooth communication technology for GPS position applications. It can easily and quickly connect with standard bluetooth enabled device like PDA, Notebook, PC or embedded system without any cable.

Suitable for Fleet Management, Car Navigation, Marine Navigation, Auto Pilot, AVLand Location-Based Services, Personal Navigation or touring devices, Tracking devices/systems and Mapping devices application



- No more cable
- Compact size, light weight
- built-in 1000mA Li-ion battery
- software upgradeable
- Long operating time (more than 9hrs)



bag



Car charger



Travel charger

Physical Dimension

Size: 86 (W) x 55 (D) x 23 (H) (mm)
Weight: 90g (with battery)
RF connector: mmc (external antenna is optional)

Environmental Characteristics

Operating temperature: -10°C to +60°C
battery charging temperature: 0°C to +40°C
Humidity range: 5%~95% no condensing

Power Characteristics

Input voltage: 5VDC
Battery: Rechargeable Lithium-ion cell battery (1000mA) with 5VDC battery charging circuit
operate time: 9 hours at battery full charge condition

Datum

Default: WGS-84

GPS Performance

Tracks up to 12 satellites.
Update rate: 1 second.
Acquisition time
Reacquisition 0.1 sec., average
Hot start 8 sec., averaged
Warm start 38 sec., averaged
Cold start 45 sec., averaged
position accuracy: 5-25 meter CEP without SA
Velocity 0.1 meters/second, without SA
EGNOS/WAAS/Beacon
< 2.2 meters, horizontal 95% of time
< 5 meters, vertical 95% of time

Wireless specifications

compatible with bluetooth 1.1 serial port profile (SSP)
transmitter power: class 2
transmission range: up to 10 meters
frequency range: 2402mhz ~ 2480mhz
hopping channel: 79
modulation: GFSK
receiver sensitivity: -85dbm

Interfaces

Connection: bluetooth 1.1 serial port profile (SSP)
Protocol: NMEA 0183 format (default), and Sirf Binary format
baud rate: 38400, N,8,1 (default)

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