



The DL-200 is a unique with USB interface for vehicle tracking device in use friendly. DL-200 uses the Global Positioning System (GPS) to record vehicle movement, speed, route and duration of stops. This information can be displayed on a GIS mapping with MapInfo formatted while download data to P.C. so user can view vehicle activity in precise details. Additionally, DL-200 can be used as a receiver for navigation while user connected the unit to PC or Notebook.

### **Features**

- Easy USB connector to PC/Notebook
- Built-in patch antenna
- Receiver, Twelve parallel tracking channels
- Fast TTFF and low power consumption
- Support Standard NMEA-0183 protocol at 4800 bps
- DGPS : WAAS/EGNOS
- On-board rechargeable battery sustained real-time clock and memory for fast satellite acquisition during power-up
- For both of Log and Navigation
- Large capacity for continuous records for 25,000 positions
- Lithium-ion rechargeable battery lasts for more than 7 hours of use

### **Applications**

- Land/Marine Navigation
- Telematics
- Fleet Management
- Asset Tracking
- Timing Reference

## Specification

Features	Description
<b>General</b>	L1 1575.42MHz, C/A code, 12-channel, Carrier-Aided with HWTrack©
<b>Sensitivity</b>	-143 dBm minimum
<b>Update Rate</b>	1Hz
<b>Accuracy</b>	Position: 15m CEP without S/A Velocity: 0.1 m/sec without S/A Time: ± 1μs
<b>WAAS Accuracy</b>	Position: 5m CEP Velocity: 0.05m/sec
<b>Acquisition</b>	Cold start: 45sec ( average ) Warm start: 38sec ( average ) Hot start: 8sec ( average )
<b>Reacquisition</b>	0.1 second
<b>Dynamics</b>	Altitude: 18000m / Max Velocity: 515 m/sec Acceleration: ±4g
<b>Protocol</b>	EverMore Private @ 4800/9600 baud, 8-None-1 NMEA-0183 v2.20 @ 4800/9600 baud, 8-None-1
<b>Datum</b>	219 standard datum, default WGS-84
<b>DGPS</b>	WAAS/EGNOS
<b>Antenna</b>	Built-in Patch Antenna / Option active antenna, MMCX jack
<b>NMEA Message</b>	GGA, GLL, GSA, GSV, RMC, and VTG
<b>Dimension ; Weight</b>	93*84* 31mm / 92g

### Power Specifications

Features	Description
<b>Battery</b>	Lithium-Ion Rechargeable Battery 3.7V/1100mAH
<b>Charger Power</b>	5V ±0.5Vp-p ripple DC(2A)(DC-Jack)
<b>Current Consumption</b>	150 mA
<b>Operation Time</b>	Up to 7 Hours after full charge

### Interface Specification

Features	Description
<b>Interface</b>	RS-232 and LVTTL(UART) with cable (Super mini Din)

**LED Indicators**

Symbols	LED Color	Light indication
Low Battery	Red	ON: Battery Low
Charger	Green	ON: Charging OFF: Full charge

**Switch Specification**

Features	Description
Power Switch	System power switch except charge unit

**Environmental Specification**

Features	Description
Operation Temperature	-20°C to +70°C
Storage Temperature	-40°C to +90°C
Operating Humidity	5% to 95%

\* Preliminary Specification, Subject To Change Without Notice