

# User Manual

## OBD Dongle

### Structure



### Installation

Plug the OBD into the OBD interface of your vehicle. The OBD interface of your vehicle is usually on the top of the shift, brake and accelerator pedals or near them. You can refer to the picture in DashPal APP. If you have any question, please contact our Customer Service.

### SIM Card

DashPal has placed a SIM card for you. Please do not remove it.

### Implication of Indication Light

OFF	OBD dongle is off or in power saving mode
Short-long-long flash	CAN has not yet received OBD data while the other two functions are working properly
Long-short-long flash	OBD dongle has not yet logged into GPRS network (still searching or logging) while the other two functions are working properly
Long -long-short flash	GPS is searching position or upgrading while the other two functions are working properly
ON continuously	All functions are working properly

## Technical Specifications

Basic	
Dimensions	52 x 40 x 22 mm
Working Voltage	9-30V DC
Backup Battery	3.7V /160mAH Lithium Battery
Max Working Current	<100mA@12V
Working Current in Power Saving Mode	<5mA@12V
Working Temperature	-20°C ~ +75°C
Storage Temperature	-40°C ~ +80°C
Relative Humidity	5% ~ 95% (No Frost)
Positioning Accuracy	<10m
Frequency Range	GSM 850/900/1800/1900 MHz GPS 1575.42MHz
Certification	CTA, 3C

UBLUX GPS Receiver			
Size	15 x 11 x 1.8 mm	Protocol	NMEA0183
Start from OFF mode	< 45 Seconds (AGPS) < 55 Seconds (Average)	Receiver Type	L1 frequency, C/A Code 20 Channel
Start from standby mode	< 15 Seconds	Receiving Sensitivity	< -159dB (Nominal)
Accuracy	< 10 Meters	Acquisition Sensitivity	< -148dB (Nominal)
Speed Accuracy	< 0.1 m/s	Interface	UART, IO

GSM Receiver			
Size	22 x22 x 1.8 mm	Protocol	GSM/GPRS Phase2/2 Compatible
GSM Module	SIMCOM	Receiving Frequency	GSM850/GSM900/GSM1800/GSM1900
Receiving Sensitivity	<-102dBm	GSM Antenna & Interface	External Antenna & SMA Interface
GPRS Specification	CLASS 10	GPRS protocol	TCP/IP, UDP
GPRS Mobile Station	CLASS B	Max. Transmission Power	EGSM900/GT800 Class4 - 2W GSM1800 Class1 - 1W

## FCC Warning

### FCC Caution:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation..

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

FCC ID: 2AP26LITE