

# **CDMA GPS Mobile Terminal**

## *Installation Manual*

**Model: GPS200MV**



K&L Technology Co., Ltd

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## 1. Safety Information

### *Product care and maintenance*

- Use only Manufacturer-approved accessories; otherwise, it could damage this unit and may be dangerous.
- Do not disassemble this product. Take it to a qualified service technician when repair work is required.
- The product should be kept away from heat sources.
- Do not drop.
- Do not subject this product to mechanical vibration or shock.
- This product is not water-resistant. Keep it dry.  
If the product is immersed in "Water" or used in a very humid place, the parts or circuit may get damages, causing an electric shock or failure. Not be given free service for any defect which is caused due to water.

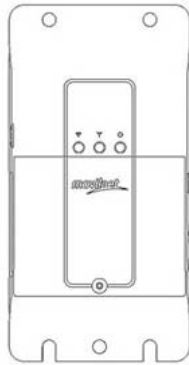
### *Qualified service*

- Only qualified service personnel may install or repair your device.

## 2. General Specifications

Model Name	GPS200MV
Technology	CDMA 800MHz
GPS	Stand-Alone
Dimension	61(W) x 120(H) x 24(D)mm
Weight	97g (approximately with standard battery)
Operation Temp.	-30°C ~ +100°C
In put Power	DC 12V
GPS Antenna	Dual PIFA Type 50Ω Intenna
Backup Battery	Li-Ion 1250mAH About 14 hours

### 3. Unpacking



Device

(Power Cable)

(Battery)

Manual



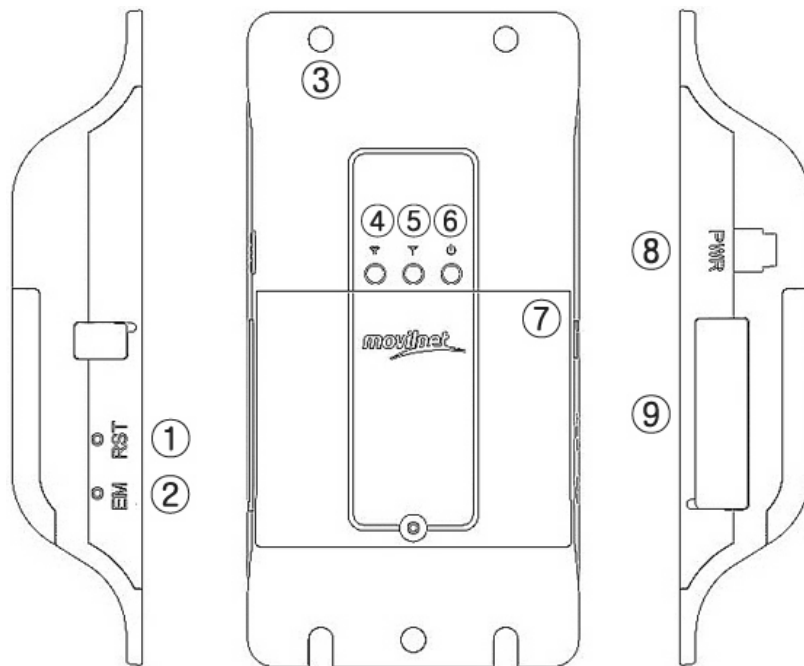
Adhesive Tape



Screws

(Fuse)

## 4. Appearance



- ① Power Button
  - ② Emergency Reset
  - ③ Screw Hole
  - ④ GPS Lamp
  - ⑤ CDMA Lamp
  - ⑥ Power Lamp
  - ⑦ Battery Cover
  - ⑧ Power Connector
  - ⑨ 24pin Connector
- 4pin Car Alarm Box Connector

①	Power Button	<p>If you want to turn on the device, push the power button for 2 seconds at least.</p> <p>You can realize that the device power on or not through the lamp.</p> <p>It's the same way to turn off the device.</p>
②	Emergency Reset	<p>When you need an emergency download, you have to use this button.</p> <p>The way is that push the emergency reset button and push the power button meanwhile.</p>
③	Screw Hole	<p>By using screws, you can fix a device to your car tightly.</p>
④	GPS Lamp	<p>When a device takes GPS air-signal, the lamp will be turned on orange color and blink.</p>
⑤	CDMA Lamp	<p>When a device takes CDMA air-signal, the lamp will be turned on green and blink.</p>
⑥	Power Lamp	<p>When a device power on, the lamp will be turned on red.</p>
⑦	Battery Cover	<p>To open cover, you should get rid of a screw first.</p>
⑧	Power Connector	<p>Using enclosed power cable, you should connect device to car constant power (Battery).</p>
⑨	24pin Connector	Software download
	4pin Car Alarm Box Connector	Connect to car alarm box

## 5. Installation Manual

***The installation location can be changed according to the user's preferences.***

***This manual recommends user to install using "Car main power" for keeping permanent activation.***

- Connecting power supply

Use the wire connected to the car main power for power supply.

- Preparing the product

Make sure the positive (+) and negative (–) wire end of the product.

- Connect the wire of product to car main power. At this time, watch out the (+) and (–) polarity.



- The product is connected normally, if you can see the light turned on the product.
- Finish the insulated wires by winding them with a tape neatly, in order to prevent an electric leakage or short circuit.



- Installation

Install the product at the proper location inside of the car where dust was removed and cleaned. The product can be fixed using the tape attached to the rear side of the product or the screw holes at both sides of the product. (At this time, attach the product in such way that the LCD window faces upwards for proper GPS reception.)

- Finishing

When the product is installed, the product is not seen by the users with their naked eyes. And the product should be kept away from heat sources.

1. Take center fascia apart from dashboard



1-1 Unscrew the center fascia marked.



1-2 Unscrew the center fascia marked.  
It may differ slightly depending on the model



1-3 Pull the separated center fascia toward your body.



1-4 Pull out the connector between the center fascia and dashboard.



1-5 After the all connectors remove completely, take the separated center fascia up onto the handle.



1-6 As the below picture, remove the center fascia completely.



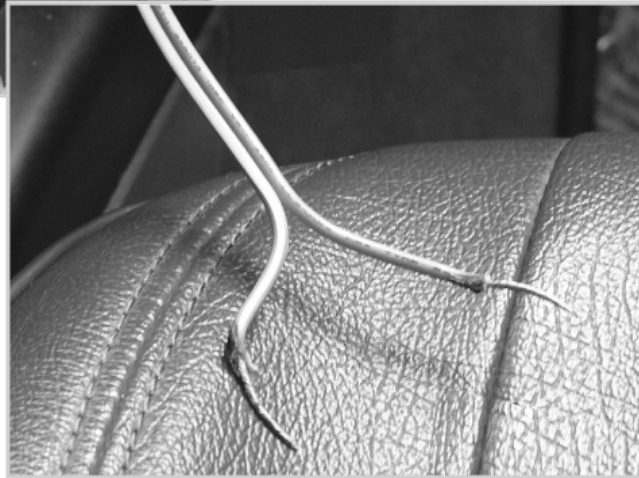
## 2. Power supply connection

Use the car main power adapter as the power supply.

2-1 Peel the rubber tube off the car main power adapter wire

3. Prepare the GPS device for installation.

As the below picture, peel the rubber tube off the (+) and (-) pole



3-1 The copper cable of car main power adapter and GPS device connect to each other keeping attention the polarity.

3-1-1 The polarity of GPS device

Red colored wire is positive (+) pole.

Black colored wire is negative (-) pole.

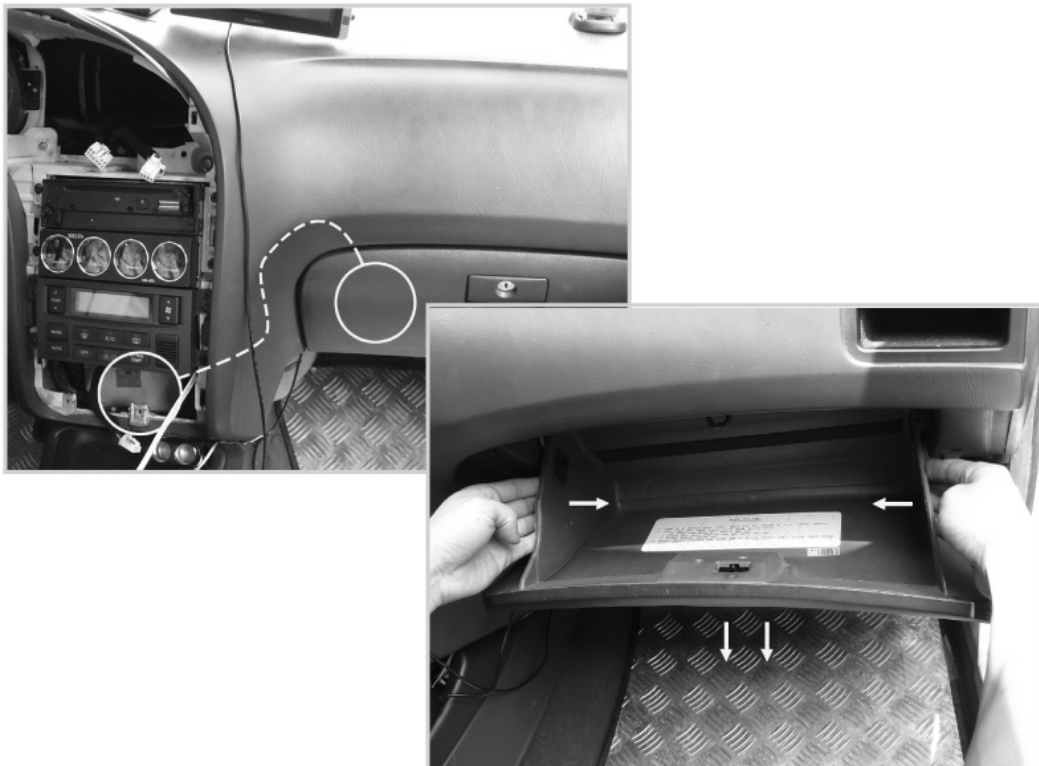
When you purchase the device, you can see the attached ring. Depending on the type of car, cut the ring off.

3-2 After the all wires are connected, the device should be lights up as below.



3-3 Insulate the peeled wires using an insulating tape.

4. Push the device deeply into the center fascia and move to glove box.

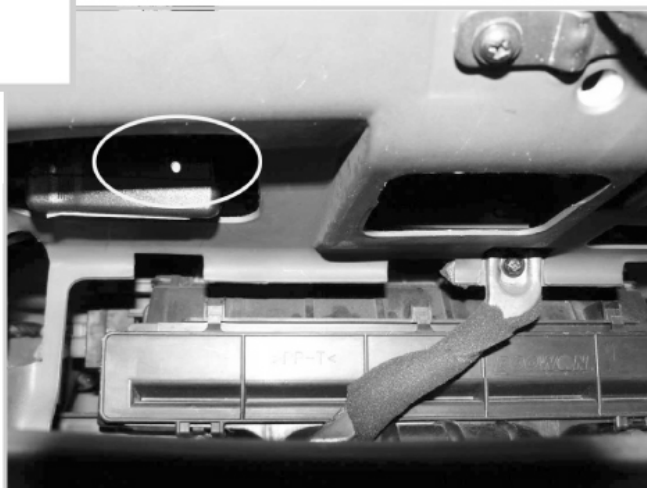
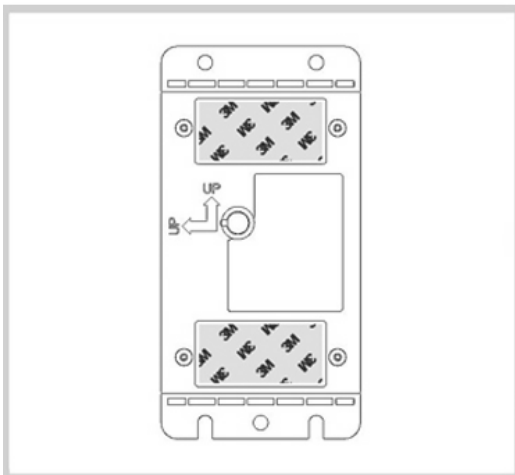


5. As the below picture, open the glove box fully pushing the side.

5-1 To stick the device on glove box, remove a dust and keep clean inside of glove box.



6. Remove the label of adhesive tape.



Installation 1 >

7. Stick the device on suitable position.

7-1 When the device is stuck, keep out of touch with glove box's door.



< Installation 2

## 8. Finish

Put together the center fascia and dashboard in reverse order of disassemble.



9. As the below picture, you can choice the install position anywhere you want.





## 6. Troubleshooting

Please check to see if any problem which you may have with your phone is described here before taking it for service or calling a service engineer.

- Check whether you connect the wire of product to car main power correctly.
- Charging adapter is connected normally, if you can see the light turned on the product.
- This manual recommends user to install using "Car main power" for keeping permanent activation.
- For your positioning service, it can take some time to connect between GPS terminal and satellite.
- A cloudy day or high buildings may affect the ability to service.
- A sudden climate change may affect the ability to service.

Model: GPS200MV

(REV 1.0)

**K & L**

# FCC (Federal Communications Commission)

## Information to User

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 technical for help.

## **Caution**

1. This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.
2. In order to meet RF Maximum permissible Exposure Safety Guidelines, a minimum distance of **20Cm** shall be maintained between this device and personnel during transmitter operation.