

CELLINK NEO5

[User Manual]



Note

The specifications listed in this manual are subject to change without the advanced notice.

This product is an external power supply, which is used to provide extended dash cam recording when the vehicle is parked, without depleting or damaging the vehicle's battery. This manual outlines the basic steps required to install and use the external battery.

▶ Precautions on handling

Mishandling of CELLINK NEO5 batteries can lead to degradation of performance and result in problems related to heating, ignition, explosion etc. As such, it is advised to check the following details.

1. When installing on vehicles, please use only the original cable provided with the product.
2. When storing the battery, keep out of direct sunlight and do not store in a high temperature environment such as inside the car in hot weather.
3. Do not place the battery in microwave oven or a place with high pressure.
4. Do not throw or give the battery any types of shocks.
5. Do not repair or remodel the battery on your own.
6. Keep the battery out of contact of water or other liquid.
7. Do not disassemble, compress or drill a hole on the battery using sharp equipment.
8. Keep the battery out of contact of children or pets.
9. When there is a strange smell during use, discontinue using the product and exchange with a new product.
10. When the battery is inflated during use, discontinue using the product and exchange with a new product.
11. Do not use the battery in a static environment as it can affect the performance of protection circuit of the battery.
12. Keep the connection terminal of the charging cable of the battery out of contact with conducting elements.
13. Never use the product for anything else other than the power supply for Dashcam.

▶ Disposal guidance of battery

1. Don't throw away your batteries, separate them with recycled items.
2. Do not incinerate battery and put in the fire. Heat may cause explosion and fire.
3. Do isolate them each other when disposing the secondary batteries having different electrochemical systems.
4. Dispose of the battery in discharged state to prevent heat by short circuiting.
5. Disposal guidance of batteries may depend on each country and region, there for dispose batteries in accordance with the regulations for each country and region.

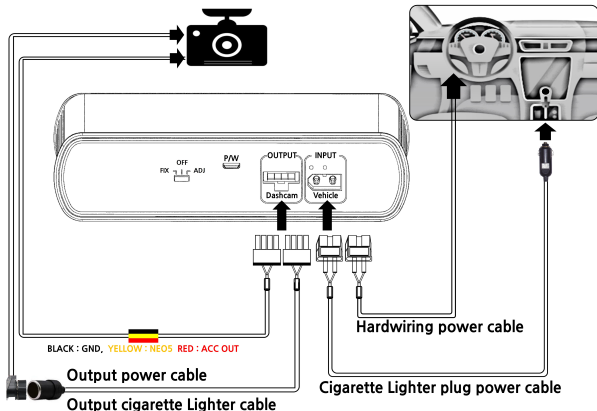
▶ Product Warranty

1. The warranty period of this product is 1 year from the purchase date.
2. If the product fails during normal and correct use within the warranty period, our service center will repair the product free of charge.
3. Any disassembly, modification or alteration of the product will void the warranty.
4. The cost to repair or fix any malfunction or problem caused by incorrect usage during the warranty period may be charged to the consumer.
5. The manufacturer shall not be responsible or liable for any loss or damage caused by incorrectly using the product.

▶ Customer Service

- Manufacturer : EGEN Inc.
- Address : 61, Dongtangiheung-ro, Dongtan-myeon, Hwasung-si, Gyeonggi-do,
Republic of Korea
- Customer Service Website : www.egens.co.kr

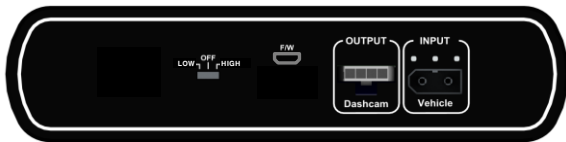
The CELLINK NEO5 Battery is designed to power your dashcam in Parking Mode for extended periods of time without using your vehicle's battery.



▶ Product Properties







1. When connected to the fuse box, it can be used for up to 15 hours (based on less than 4Wh of power consumption) with a rapid charge for 50 minutes (7A charge).
2. it makes possible to install yourself easily using the cigar lighter power cable provided, and save the installation cost.
3. A micro controller (MCU) is built in to control the current, voltage and voltage balance of the battery, and the battery protection circuit module is built in for secondary protection to prevent the over-charge, over-discharge and over-current.
4. The output is automatically switched by the Micro Controller (MCU). This system gives to charge and output simultaneously with vehicle's engine start.
5. When the internal temperature of the battery exceeds 80°C, the system will automatically stop to prevent from problems such as overheating etc.
6. when the operating switch is set to OFF, the battery's self-discharging period is more than 1 year because of the leaked current of the battery is cut-off.
7. The battery will be automatically cut off the current when the reverse voltage input or external short-circuit of the product's connectors occur.
8. The cycle life is improved more three times than the general Li-ion battery because of The lithium-phosphate iron(LiFePO4) battery is used, and we guarantee at least 1,500 cycles.
9. Compact design makes possible to install in confined spaces such as vehicle seat below.

➤ Name and Function of each terminal

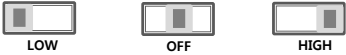


- **INPUT** : The charging connector for connecting to the Cigar lighter socket, ACC Power and continuous Power contacts in Fuse box.
- **OUTPUT** : The discharging connector for connecting to the Dashcam.
- **LOW/OFF/HIGH** : The switch for selecting the charge current.
 - ▷ **LOW** : 4.5Ah charge - select it when connected to the cigar-lighter plug.
 - ▷ **OFF** : System power off.
 - ▷ **HIGH** : 7Ah charge - select it when connected to the fuse-box.
- **F/W** : The connector for firmware up-date only(Technician Use Only)

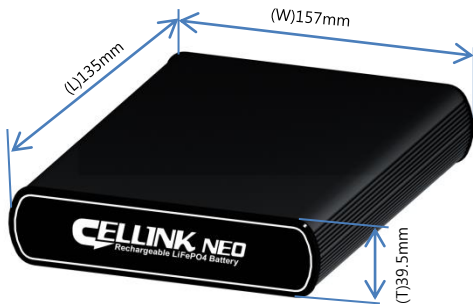
➤ LED Display status

LED Display -R : Red -G : Green	 	Powered on	R and G LEDs are turned on simultaneously and then turned off in the R and G in order.
	 	Pre-charging (after powered on)	Red LED is on after several times flashed.
	 	fully charged	Green LED is on

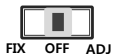
General Specifications

Input Power	▷ When connected to the Cigar Lighter Socket : LOW only		DC 12V~17V_Max. 6A
	▷ When connected to the Fuse-box ACC Power : HIGH only		DC 12V~17V_Max. 13A
Output Power	▷ Dashcam connector		DC 11.0V~14.2V_Max. 2A
Charging Voltage & Current	LOW	▷ When connected to the Cigar Lighter Socket	DC 14.2V_Max. 4.5A
	HIGH	▷ When connected to the Fuse Box ACC power	DC 14.2V_Max. 7A
Charging time	LOW	▷ 4.5A Charging : Approx. 70minutes	
	HIGH	▷ 7A Charging : Approx. 50minutes	
	Switch Status	 <p>※ Set the charging current in APP when selecting the ADJ</p>	
Product Rating	▷ 12.8V, 4500mA, 57.6Wh		
Available Hours	▷ About 15Hours		
	※Based on 2CH dashcam within 4Wh power consumption.		
Dim. and weight	▷ 157(W)*135(L)*39.5(T) / Approx. 1.1kg		
Battery used	▷ LiFePO4		

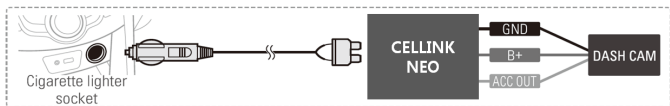
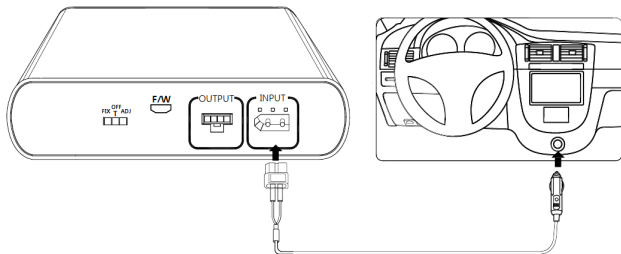
Appearance



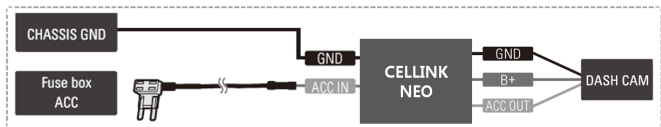
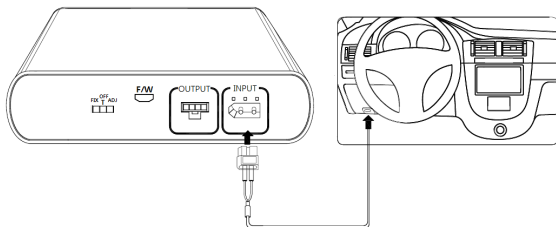
※ Please set to the power-off before installation.



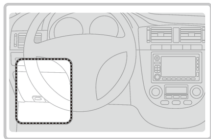
1. When connecting the product using the cigar-lighter socket Input cable.



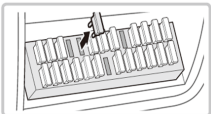
2. When connecting the product using the Fuse-box ACC Input cable.



● Fuse box ACC contacts is supplied with power only when the engine is powered on.

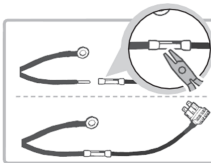


- 1) With the product's power switch in the OFF position, connect the Input(charging) cable for the fuse box and output cable to the product's cable connectors.
- 2) Open your vehicle's fuse box, check the fuse standard, and select the correct fuse holder between the included fuse holders.

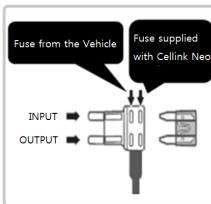


Note

The fuse box location in the vehicle may vary depending on the manufacturer and model of your vehicle. For more information, refer to your vehicle's manual.

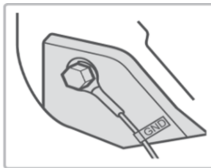


- 3) Insert the input cable into the sleeve at the end of the fuse holder cable, and then secure it by squeezing on the sleeve using appropriate tools, such as pliers.
- 4) After removing the ACC contact-fuse of the less than 10A in the fuse box, put the ACC contact-fuse provided with product in the fuse holder, and then install the ACC fuse holder in the fuse box.



Caution

Insure that the fuse holder is installed into the continuous power contact-fuse position in the fuse box.



- 5) Find a bolt fixed on the vehicle's and connect the ground (GND) cable to the bolt.

Note

If the vehicle's bolt is coated, remove the coating before connecting the ground (GND) cable. The power may not be supplied correctly due to the coating.

■ Make sure that the product is connected properly

- 1) Fix the product using the provided velcro tape on the car floor such as under the car seat.
- 2) Turn on the switch and check that the LEDs operate properly (Refer to the LED Display table).

