

# CELLINK NEO 8+S

## [ User's Manual ]

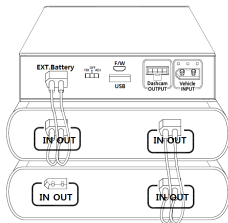


### Note

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.

## ▶ How to add the capacity to CELLINK NEO8+S



1. If CELLINK NEO8+S needs more capacity, connect the extended battery pack such as CELLINK NEO EXT7+
2. CELLINK NEO EXT battery is designed to add the capacity to CELLINK NEO8+S easily.

### ■ EXT. Battery Installation Guidance

1. Connect CELLINK NEO EXT™ IN/OUT connector to the EXT. Battery connector of CELLINK NEO8+S using the cable provided with the CELLINK NEO EXT product.
2. After installation the EXT Battery product, enter the capacity of the product connected to CELLINK NEO8+S on the App.

### ⚠ Caution

**Make sure to connect the voltage of the extended battery is higher than the voltage of CELLINK NEO8+S when connecting the extended battery to add the capacity to CELLINK NEO8+S. It can make the functional problems in case of the extended battery's voltage is lower.**

## ▶ Precautions on handling

Mishandling of CELLINK NEO8+S 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.

## ▶ Name and Function of each terminal

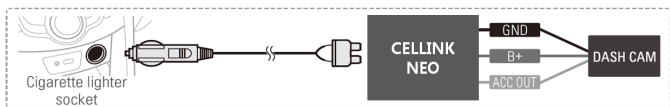
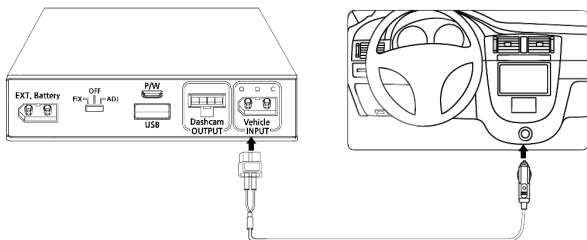


- **INPUT** : The charging connector for connecting to the Cigar lighter socket, ACC Power and continuous Power contacts in Fuse box
- **OUTPUT** : The discharging connector for connecting to the dashcam.
- **FIX/OFF/ADJ** : The switch for adjusting the charge current.
  - ▷ **FIX** : It makes be possible to charge by only Minimum Charge Current of the product and not possible control to the charge current with App.
  - ▷ **OFF** : System power off.
  - ▷ **ADJ** : It makes be possible to control the charge current between Min. to Max. with App
- **F/W** : The connector for firmware up-date only(Technician Use Only)
- **USB** : The 5V output connector for charging a mobile product as a Smart phone
- **EXT.Battery** : Connector for connecting to an extra battery such as CELLINK NEO EXT to add the capacity.
- **LED Display** : Red - charging, Green - Fully charged, Blue - Bluetooth connected  
When the switch is turned on, 3 LEDs are flashing for a while.

## ▶ General Specifications

|  |   |  |                        |
|--|---|--|------------------------|
| Input Power  | ▷ When connected to the Cigar Lighter Socket : FIX only |  | DC 12V~17V_Max. 6A     |
|  | ▷ When connected to the Fuse-box ACC Power : ADJ only   |  | DC 12V~17V_Max. 13.5A  |
| Output Power   | ▷ Dashcam connector                                     |  | DC 11.0V~14.2V_Max. 2A |
|  | ▷ USB connector   |  | DC 5V_Max. 2A          |
| Charging Voltage & Current                                       | FIX   | ▷ When connected to the Cigar Lighter Socket   | DC 14.2V_Max. 4.5A     |
|  | ADJ   | ▷ When connected to the Fuse Box ACC power   | DC 14.2V_Max. 8.5A     |
| Charging time<br>-FIX : Fixed current<br>-ADJ : Adjusted current | FIX   | ▷ 4.5A Charging : Approx. 100minutes   |                        |
|  | ADJ   | ▷ 8.5A Charging : Approx. 50minutes  |                        |
|  | Switch Status   |  <p style="text-align: center;"> <span style="margin-right: 100px;"><b>FIX</b></span> <span style="margin-right: 100px;"><b>OFF</b></span> <span><b>ADJ</b></span> </p> <p style="text-align: center;">※ Set the charging current in APP when selecting the ADJ</p> |                        |
| Product Rating   | ▷ 12.8V, 7500mA, 96Wh                                   |  |                        |
| Availible Hours  | ▷ About 24Hours   |  |                        |
|  | ※Based on 2CH dashcam within 4Wh power consumption.     |  |                        |
| Dim. and weight  | ▷ 151(W)*205.2(L)*32.6(T)mm / Approx. 1.45kg            |  |                        |
| Battery used   | ▷ LiFePO4   |  |                        |







### [App download]



1. Search for "CELLINK Neo Plus" and download the CELLINK Neo Plus App.
2. The Android users use the "Google Play" .
3. The iPhone users use the "App Store" .



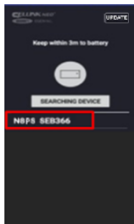
### [Before running the App]

Turn on the battery you purchased before running the downloaded app  
Set to the power switch position is FIX or ADJ.



FIX OFF ADJ

### [How to Connect the App to the Bluetooth]

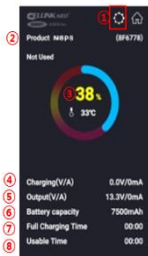


1. When running the App on the smart phone, after loading, appear the "SEARCHING DEVICE" and the searched Bluetooth device as shown on the left picture.
2. click "N8PS" on the searching list.
3. If you rescan, the connected device is displayed in blue and automatically connected.

#### Caution

Check the code attached on the bottom of the purchased product and click the same code on the smartphone to complete the installation.

### [Main Screen Description]



1. The product's settings.
2. The product model name and the Bluetooth ID built-in to the product.
3. The Battery's charging state and the internal temperature.
  - The animation image is changed during charge and discharge.
  - Displayed in red : during charge.
  - Displayed in blue : during discharge and 100% full charge.
4. The present voltage and charging current to the battery.
5. The present voltage and discharge current from the battery.
6. The capacity of the product.
7. Estimated time to full charge(displayed "0" during discharge) at the present input power level.
8. Available time as the current state(displayed "0" during charge) at the present output power level.

#### Note

The App doesn't always need to be turned on. However, if the battery's internal temperature is high or input voltage is low, you can receive an alarm message during the App is turned on.

## [Product password setting]

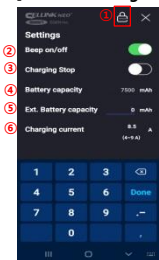


- You can enter the product setting screen by tapping the gear icon(1) on the main screen. The password is required to enter the product setting screen. The initial password is set to 1234.
- You can set your own password to prevent other users from changing the product settings at will.
  - It is recommended to change the password immediately after purchase.
  - The "0000" cannot be used as a password and able to set within 0001~9999.

### Note

If you have forgotten your password, please contact our Customer Service Center.

## [Product setting Screen]



1. Padlock Icon : User's own password setting.
  - Your own password setting makes sure to prevent others from changing the product settings.
2. Beep on/off : Setting status of battery sound. (initial value : on)
3. Charging Stop : The function to stop charging the battery.
4. Battery capacity : means the nominal capacity of the product.
5. Ext. Battery capacity : When you add an Extended battery pack like as "CELLINK NEO EXT7", enter the capacity of the added battery.
6. Charging current : You can change the charging current when you install the battery to the fuse-box and the switch is selected to the ADJ. Please enter the current within "4A~9A".

## [Warning to battery high temp]



- The warning screen will be displayed and stop charging or discharging if the internal temperature is more than 80°C to prevent the vehicle's and product's damage.

## [Warning to input voltage low]



- The warning screen will be displayed and stop charging if the input voltage drops below 12V to prevent the vehicle's damage.



## ▶ Product Warranty

- The warranty period of this product is 1 year from the purchase date.
- If the product fails during normal and correct use within the warranty period, our service center will repair the product free of charge.
- Any disassembly, modification or alteration of the product will void the warranty.
- The cost to repair or fix any malfunction or problem caused by incorrect usage during the warranty period may be charged to the consumer.
- 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](http://www.egens.co.kr)

