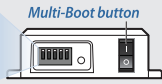


Configuring the functions

Voltage Settings
switch 1 and 2



Timer Settings
switch 3, 4 and 5



Multi-booting

If you turn on the Multi-Boot button, the black box will keep applied with power even if the ignition of the vehicle is turned off until the timer setting cuts off the power. If you turn off the Multi-Boot button, the black box will not be applied with power if the ignition of the vehicle is turned off; if the ignition of the vehicle turns on, the black box will get applied with power.

※ Even if you turn off the Multi-Boot button, the black box will keep applied with power whatsoever in driving mode.

Configuring the voltage (to configure the voltage threshold to cut-off the power)

11.6V (±0.05V)

11.8V (±0.05V)

22.8V (±0.1V)

23.2V (±0.1V)



If the voltage is set, the product remains in standby mode when the engine is started and the product periodically checks the voltage of the battery when the engine is stopped. If the voltage drops below the configured voltage, the product automatically cuts the power to the vehicle drive recorder to prevent the battery of the vehicle becoming excessively discharged.

! When you change the voltage setting, please reconnect the cable connector after configuring the voltage.

Configuring the timer

(unit : hour)

6



12



24



36



48



72



120



Infinity

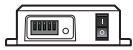


If the timer is configured, the product supplies power to the vehicle drive recorder until the configured time has passed, and then cuts the power. In addition, the timer function only works when the engine is stopped and automatically stops if the engine is started.

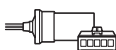
※ Even if the timer is configured and the configured time has not elapsed, the power is cut if the voltage drops below the configured voltage.

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Package Contents



Main Body



Connector



Double-Sided Tape



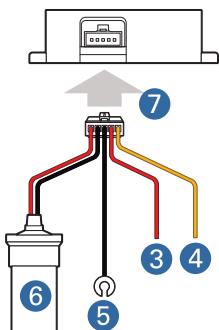
Screw

Product specifications

Item	Specifications
Rated output voltage	DC 12 ~ 24V
Output current	Rated current 1A, Max 2A
Output voltage cut-off (on the basis of the input)	11.6 ~ 11.8V (±0.05V) 22.8 ~ 23.2V (±0.1V)
Output voltage restoration (on the basis of the input)	11.7 ~ 11.9V (±0.05V) 22.9 ~ 23.3V (±0.1V)
Output voltage cut-off timer function	6 hours ~ Infinity

Installing the product (Example)

Check the cable condition before installation.



③ Connect the red wire 'ACC(+)' to the fuse where power is supplied to when the vehicle engine has been started (e.g. cigar jack or audio).

④ Connect the yellow wire 'BATT(+)' to the fuse of a permanent power source (e.g. emergency lamps, cab light or tail light)

※ If there is "the Battery Saver Function" in your car, Please connect the yellow wire 'BATT(+)' to the fuse of Emergency Lamps.

⑤ Ground the black wire to a metal part of the vehicle.

⑥ Connect the cigar jack of the vehicle drive recorder to the cigar jack socket.

⑦ Connect it to the main body of the product.

For 12 / 24V | Prevention to Discharge Car Battery | Prevention to Reboot Black box

A Battery Discharge Prevention Device for BLACKVUE

POWER MAGIC PRO

Prevent discharging of the battery with the help of the simple button-type of multi booting system, and timer and voltage setting.

Power Magic Pro is a device that supplies power to BlackVue from car battery according to the configured voltage (the power is cut automatically if the voltage drops the configured value) or the configured timer (the power is cut automatically if the configured time has elapsed) to prevent the battery of the vehicle being discharged.

Precautions

- Make sure to read these precautions carefully before using the product. The company will not be held liable for any damage caused by these precautions not being followed.
- Ensure that the engine is stopped before installing the product and configuring the functions. Operating the device when the engine is started may cause a malfunction.
- When configuring a function, lift or push the switch completely to ensure the proper operation of the product.
- Note that the company will not be held liable for any damage to the product caused by a customer error (incorrectly fixing or opening the case, making modifications, etc.), and in that case, the product will not be refunded or exchanged.
- Use the product only for the original purpose it was intended for.
- The state of the vehicle may affect the performance of the product.
- The warranty period is 1 year.



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Made in Korea

Installing the product

Please check the all components and cable conditions before installation.

The location of fuse box may vary depending on the vehicle.
If it is difficult to install it yourself, please install from local professional replacing shop.

- 1 Set the switches on the front of the product according to your requirements (voltage and timer) referring to the 'Configuring the functions' page in this manual.
- 2 Check the locations of the fuses in the vehicle's fuse box.
- 3 Connect the red wire 'ACC(+)' of the product to a fuse where power is supplied to when the vehicle engine has been started (e.g. cigar jack or audio).
- 4 Connect the yellow wire 'BATT(+)' of the product to the fuse of a permanent power source (e.g. emergency lamps, cab light, or tail light).
※ If there is "the Battery Saver Function" in your car, Please connect the yellow wire 'BATT(+)' of the product to the fuse of Emergency Lamps.
- 5 Ground the black wire of the product to a metal part or screw of the vehicle.
- 6 Connect it to the vehicle drive recorder.
- 7 When all the wires are connected, please connect the cable to the main body and turn on the ACC key. Then black box starts working.
- 8 Fix the product to the vehicle using double-sided tape or fastening screws.

! When you change the voltage setting, please reconnect the cable connector after configuring the voltage.