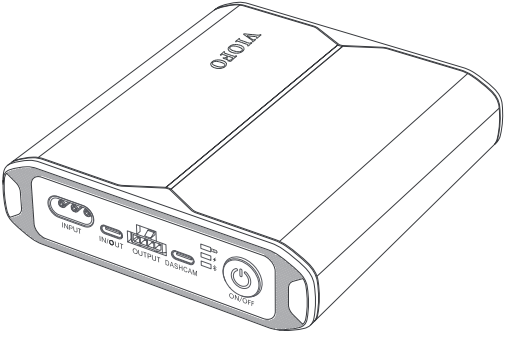
USER MANUAL

Dash Cam Battery Pack

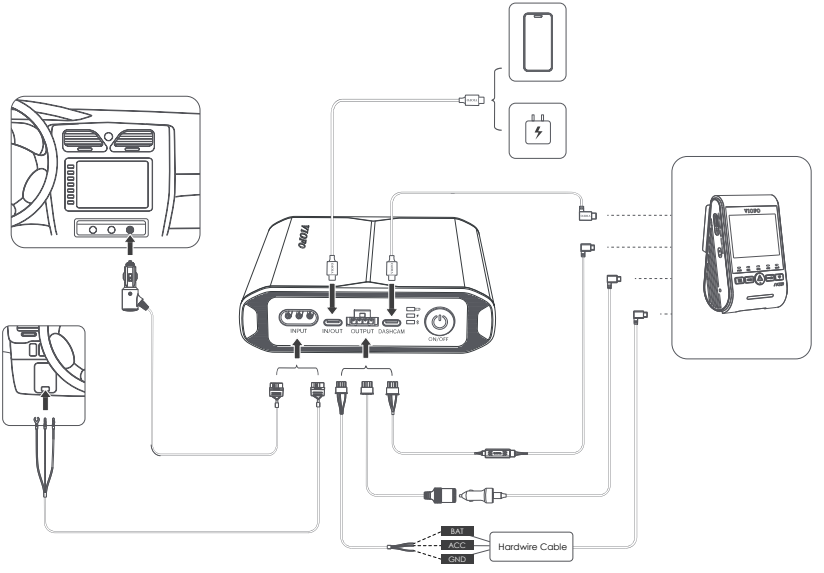
(BP60)



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About VIOFO Dash Cam Battery Pack BP60

The VIOFO BP60 Dash Cam Battery Pack powers your dash cam in Parking Mode for extended periods without draining your vehicle's battery.



Precautions

Please read this user manual carefully before using the product.

Safety information

Please follow the safety precautions below to safely use this product. Improper use of the battery pack may degrade product performance or cause overheating, fire, explosion, personal injury, or property damage.

- Familiarize yourself with the user manual before using the product.
- Use the product exclusively to power dash cams.
- Use only original VIOFO cables provided with the product when installing it.
- Do not allow the charging or output cable terminals to contact metal objects.
- Do not expose the product to direct sunlight or high temperatures.
- Do not place the product in a microwave oven or any pressurized container.
- Do not use the product in environments with strong static electricity or electromagnetic interference as it may affect the battery pack's protection circuit.
- Do not disassemble, repair, or modify the product.

- Do not crush, puncture, or expose the product to physical impacts.
- If the battery pack becomes swollen, stop using the product immediately and contact customer support for assistance.
- If the battery pack emits an unusual odor during use, stop using the product immediately and contact customer support for assistance.
- Keep the product out of the reach of children and pets.
- Do not use the battery pack if the casing, cables, or connectors are damaged.
- Do not install the battery pack where it may interfere with pedals, steering, airbags, seat movement, or driver visibility.

Battery pack disposal

- Please dispose of all electronic products separately at designated collection facilities as required by the government or local authorities. Contact your local authorities for information on disposal and recycling options in your area.
- Do not incinerate the battery pack or expose it to fire. Exposure to excessive heat may result in fire or explosion.

Table of Contents

1. Package Contents 01

Standard Items

Optional Accessories (Sold Separately)

2. Product Overview 03

3. LED Indicators 04

4. Product Specifications 05

5. Product Features 06

6. Installation 08

Via Cigarette Lighter Plug Power Cable

Via Hardwiring Power Cable

Install the Battery Pack

Connect the Dash Cam

7. VIOFO Dashcam App Guide 17

Connect to VIOFO Dashcam App

App Layout Overview

Settings

Unbind Device

Warning Alerts

8. Customer Service 24

9. Notice 25

Package Contents

Standard Items



Battery Pack



Hardwiring Power Cable (3 m)



Cigarette Lighter Plug Power Cable (2 m)



Hardwire Cable Adapter (2 m)



Type-C Hardwire Output Cable (4 m)



Dash Cam Type-C Power Cable (3.5 m)



Fuse Holder (4 types)



Fuse (4 types)



Velcro Tapes

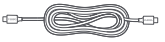
Optional Accessories (Sold Separately)



Hardwire Output Cable
Mini-USB Connector (3 m)



Cigarette Lighter
Output Cable (0.3 m)

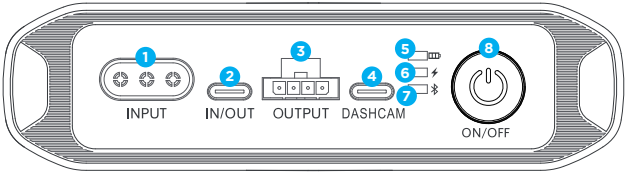


Type-C Fast
Charging Cable (1 m)

Note:

1. The Hardwire Output Cable Mini-USB Connector is compatible with VIOFO A119 V3, A129 Plus, and A129 Pro dash cams.
2. The Cigarette Lighter Output Cable converts the BP60 output port into a vehicle cigarette lighter socket for powering dash cams and other in-car devices with a cigarette-lighter plug. This connection method does not support Parking Mode.
3. The Type-C Fast Charging Cable enables up to 60 W input / output fast charging when used with the BP60 and a compatible USB-C PD charger or device.

Product Overview



1 INPUT

Input port for charging the battery pack from the vehicle

2 IN / OUT

USB-C IN / OUT port for fast charging the battery pack or a mobile device

3 OUTPUT

Output port for powering a dash cam

4 DASHCAM

Output port for powering a dash cam with the Dash Cam Type-C Power Cable

5

Battery status

6

Charging status

7

Bluetooth status

8 ON / OFF

Press and hold for 2 seconds to power the BP60 on or off
Press and hold for 8 seconds to reset the BP60

LED Indicators

LED	Indicator	Indicator Status	Behavior
Battery		Solid green light	Battery level 80%-100%
		Solid yellow light	Battery level 21%-79%
		Solid red light	Battery level 5%-20%
		Flashing red light	Battery level below 5%
Charging		Flashing red light	Charging
		Solid red light	Discharging
Bluetooth		Flashing blue light	Bluetooth not connected
		Solid blue light	Bluetooth connected

Product Specifications

Input Power	Cigarette lighter plug power cable: 11.8 V ~ 28 V, 6.5 A Max Hardwiring power cable: 11.8 V ~ 28 V, 9 A Max
Output Power	OUTPUT port: 10.8 V ~ 14.2 V, 4 A Max DASHCAM port: 5 V, 3 A
USB-C IN / OUT Port	60 W Max
Charging Time	Cigarette lighter plug power cable: approx. 65 minutes Hardwiring power cable: approx. 45 minutes Type-C fast charging cable: approx. 85 minutes
Voltage / Capacity / Energy	12.8 V / 5000 mAh / 64 Wh
Available Runtime	Approx. 20 hours at 3 W consumption
Dimensions / Weight	130 mm (L) x 140 mm (W) x 35 mm (H) / 0.82 kg (1.81 lb)
Battery Type	LiFePO4
Charging Temperature	0°C to 50°C (32°F to 122°F)
Discharging Temperature	-20°C to 70°C (-4°F to 158°F)
Storage Temperature	-30°C to 90°C (-22°F to 194°F)

*Note: Actual runtime varies depending on dash cam model, settings, and operating conditions.

Product Features

- Use a VIOFO hardwire cable to enable parking mode on dash cams.
- The Hardwire Output Cable can replace the original dash cam hardwire cable.
- The BP60 supports two installation methods:

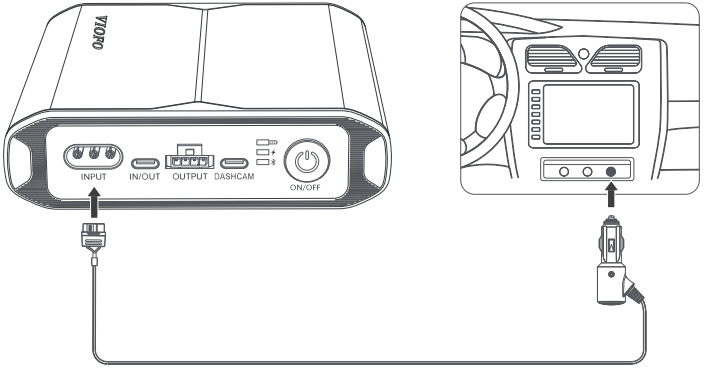
  Cigarette lighter installation: Plug the Cigarette Lighter Plug Power Cable into your vehicle's cigarette lighter socket.
  Fuse box installation: Connect the Hardwiring Power Cable to the vehicle's fuse box.
- After approximately 65 minutes of charging via the vehicle's cigarette lighter socket or approximately 45 minutes via the fuse box, the battery pack can power the dash cam for approximately 20 hours (at 3 W power consumption).
- Compatible with both passenger car (12 V) and heavy-duty commercial (24 V) electrical systems.
- While driving, the vehicle charges the BP60 and powers the dash cam simultaneously (pass-through charging).
- When the vehicle is turned off, the BP60 continues to power the dash cam without draining your vehicle's battery.
- With built-in Bluetooth, you can check the battery pack status in real time using the VIOFO Dashcam App.

- The built-in Battery Management System (BMS) regulates current, voltage, and cell balance, and prevents overcharge, over-discharge, and overcurrent of the BP60.
- The App will display a warning alert if BP60's internal temperature reaches 50°C (122°F), and the BP60 will automatically shut down if its internal temperature exceeds 70°C (158°F) to prevent overheating.
- Battery cycle life: Rated for 1,500 charge / discharge cycles before the battery capacity drops to 80% of the original capacity.
- The IN / OUT port of the battery pack supports fast charging to recharge the battery pack itself, and also delivers fast charging power to smartphones or other electronic devices.
- The DASHCAM port of the battery pack is only for powering a dash cam and is compatible with the Dash Cam Type-C Power Cable.

Installation

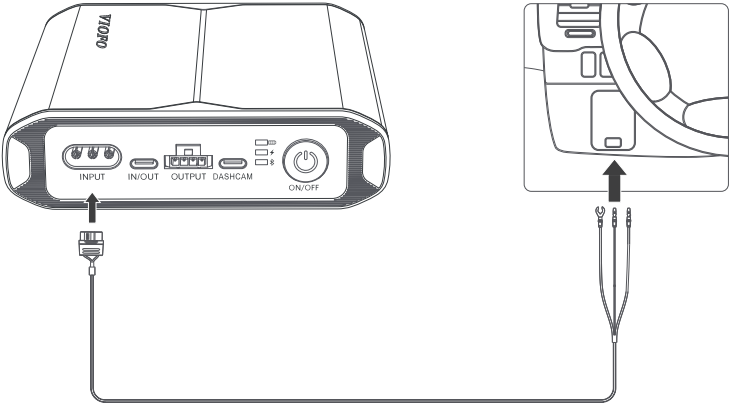
Via Cigarette Lighter Plug Power Cable

1. Turn off the battery pack before installation.
2. Plug the Cigarette Lighter Plug Power Cable into the INPUT port of the battery pack, and connect the other end of the power cable to the vehicle's cigarette lighter socket.



Via Hardwiring Power Cable

1. Turn off the battery pack before installation.
2. Plug the Hardwiring Power Cable into the INPUT port of the battery pack.



3. Locate your vehicle's fuse box.

Fuse boxes and fuse types vary not only by car model, but also by model year and trim. Check your vehicle owner's manual to find the fuse box location and confirm the fuse type.

4. Identify the ACC and Battery fuses.

- BAT wire (red constant power)

To identify a fuse for the battery connection, turn the ignition switch to the lock position. Look for a fuse that is live (allows electricity to flow) even when the ignition switch is in the off position. You can identify the fuse by using a circuit / voltage tester when the engine is off. Place the tip of the tester on the exposed metal part of the fuse.

- ACC wire (yellow accessory power)

To identify a fuse for the ACC connection, turn the ignition switch to the ACC (Accessory) position. Look for a fuse that is live when the ignition switch is in the ACC position but off when the ignition switch is in the off position.

5. Locate a ground point.

To identify a suitable ground point, use a circuit tester in continuity mode. Locate a screw or bolt that is directly connected to the vehicle chassis and check for a good continuity reading between the screw or bolt and the vehicle chassis. The resistance should be less than 0.1 Ω.

6. Connect an Add-A-Fuse kit to the Hardwiring Power Cable.

Use an Add-A-Fuse kit for a clean installation. Once the fuse slot and fuse type required for the Hardwiring Power Cable are determined, a suitable Add-A-Fuse kit can be crimped to the Hardwiring Power Cable ACC and BAT connections. Crimp the connector using a standard crimping tool. Needle-nose pliers may also be used if a crimping tool is unavailable.

7. Connect the fuses.

Yellow (ACC) accessory power supply — Connect to a fuse that turns on and off with the ignition / ACC circuit.

Red (Battery) constant power supply — Connect to a fuse slot that remains powered when the ignition is off; tap the load (downstream) side of the fuse.

Black (Ground) connection — Place the spade connector under the head of a ground point screw or bolt, ensuring a clean electrical contact, then tighten the screw.

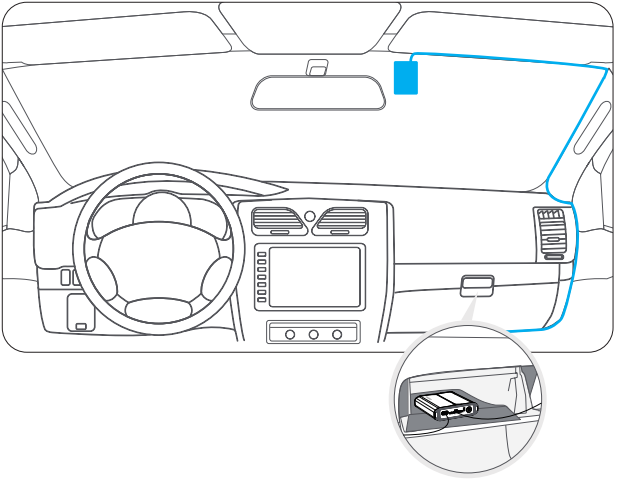
Note:

- Make sure each Add-A-Fuse tap is installed in the correct orientation and that the original vehicle fuse and the BP60 fuse are placed in the correct slots.
- If you are not familiar with automotive fuse boxes or electrical testing, have the BP60 installed by a qualified technician.

Install the Battery Pack

Secure the battery pack in a stable location inside the vehicle using the included velcro tapes. We recommend installing it in the glove compartment when space allows.

Note: Do not install the battery pack where it may interfere with pedals, steering, airbags, seat movement, or driver visibility.

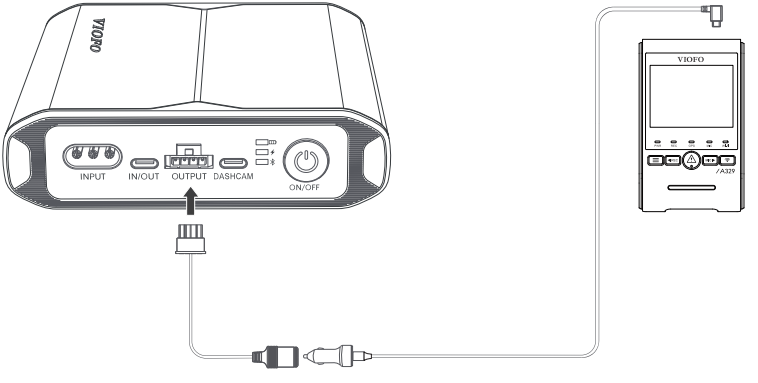


Connect the Dash Cam

- **Via Cigarette Lighter Output Cable (Sold Separately)**

1. Plug the Cigarette Lighter Output Cable into the OUTPUT port of the battery pack.
2. Plug your dash cam's car charger into the socket on the Cigarette Lighter Output Cable.

Note: Parking mode is not supported with this connection method.

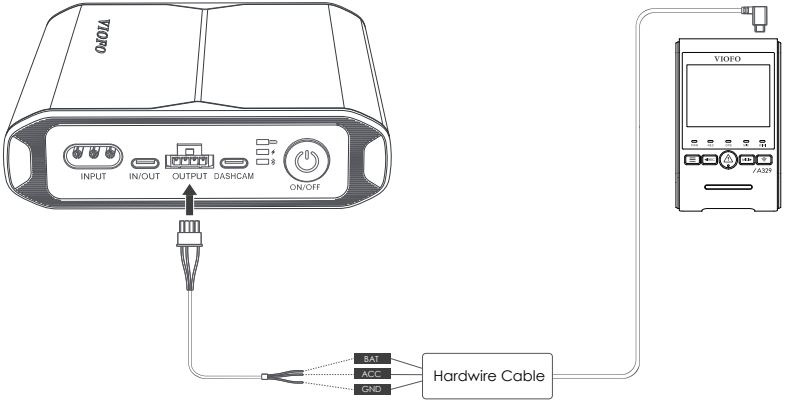


- **Via Hardwire Cable Adapter**

1. Plug the Hardwire Cable Adapter into the OUTPUT port of the battery pack.

2. Connect the ACC, ground (GND), and battery (BAT) wires of the Hardwire Cable Adapter to the corresponding wires of the dash cam's hardwire cable (sold separately for VIOFO models).

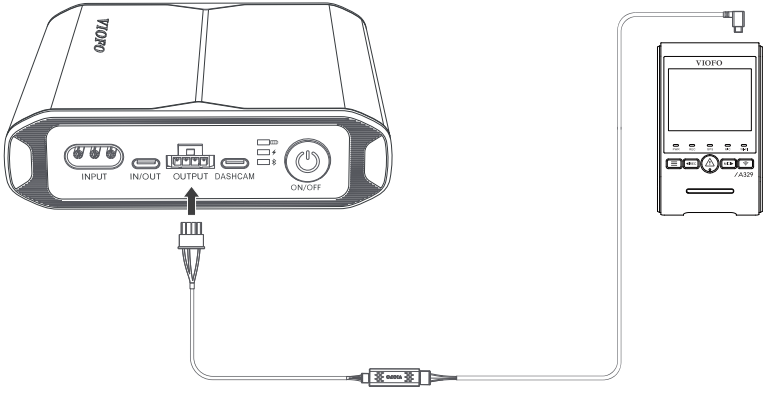
3. Connect the other end of the hardwire cable to the dash cam. When the vehicle is turned off, the battery pack continues to power the dash cam to enable parking mode on the dash cam.



- **Via Hardwire Output Cable**

1. Plug the Hardwire Output Cable into the OUTPUT port of the battery pack.
2. Connect the other end of the Hardwire Output Cable to your dash cam.

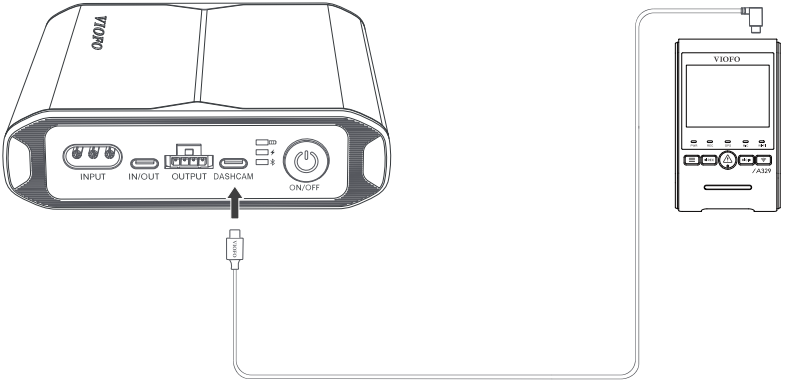
Note: This Hardwire Output Cable can replace the original hardwire cable to enable parking mode on the dash cam.



■ **Via Dash Cam Type-C Power Cable**

1. Plug the Dash Cam Type-C Power Cable into the DASHCAM port of the battery pack.
2. Connect the other end of the Dash Cam Type-C Power Cable to your dash cam.

Note: This Dash Cam Type-C Power Cable can enable parking mode on the dash cam.



VIOFO Dashcam App Guide

Connect to VIOFO Dashcam App

The VIOFO Dashcam App allows you to check the battery pack status in real time and manage device settings.

- **Download VIOFO Dashcam App**

iOS users can download the App from the App Store. Android users can download the App from Google Play.

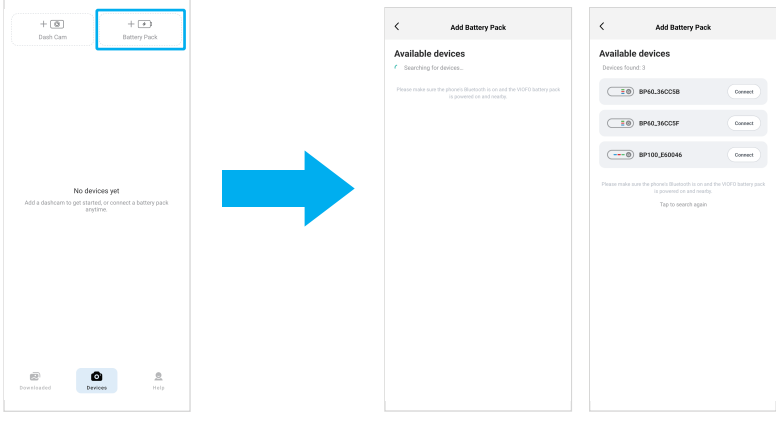
Scan the QR code to download the App.

Download on the **App Store**

GET IT ON **Google Play**

Connect via Bluetooth

1. Turn on the battery pack.
2. Enable Bluetooth on your smartphone.
3. Open the VIOFO Dashcam App. Tap "Add Battery Pack" to search for your BP60.
4. Tap "BP60_XXXXXX" to connect and start controlling it.



App Layout Overview



1 - Add Dash Cam

2 - Add Battery Pack

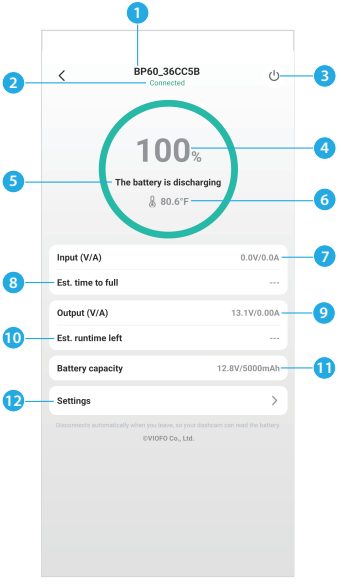
3 - Battery Pack Information

4 - Connected Dash Cam

5 - Dash Cam Connection Status

6 - Enter Dashcam

App Layout Overview



1 - Battery Bluetooth ID

2 - Connection Status

3 - Power Off the Battery Pack

4 - Battery Level

5 - Battery Charge / Discharge State

6 - Battery Temperature
(Double tap to switch between °F and °C)

7 - Input Voltage and Current to Battery

8 - Estimated Time to Full Charge

9 - Output Voltage and Current from Battery

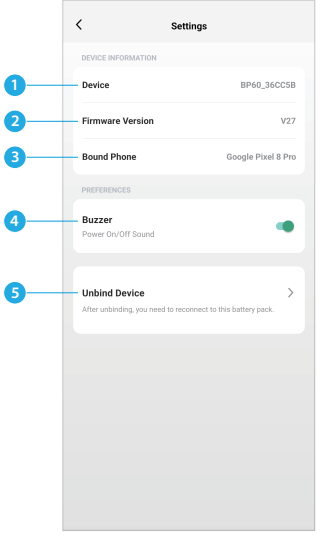
10 - Estimated Usage Time

11 - Battery Capacity

12 - Settings

Settings

Tap "Settings" on the battery pack information screen to view device information and manage preferences.



1 - Device
Displays the Bluetooth ID of the connected battery pack.

2 - Firmware Version
Displays the current firmware version of the battery pack.

3 - Bound Phone
Displays the phone model currently bound to the battery pack.

4 - Buzzer
Turn on or off the battery pack's power on / off sound.

5 - Unbind Device
Remove the binding between the current phone and the battery pack.

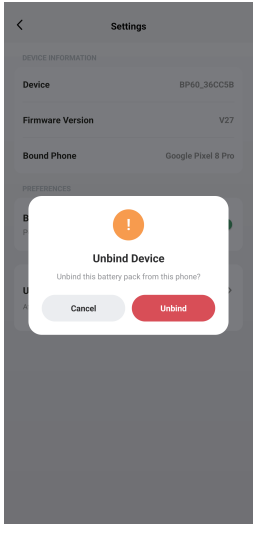
Unbind Device

If you need to replace your phone, unbind the device from the original phone first. If the original phone is lost or unavailable, press the power button on the battery pack 5 times consecutively to unbind the currently bound phone.

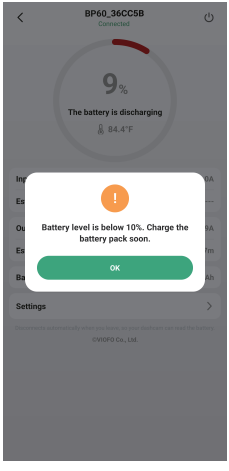
Tap "Unbind Device" on the Settings page to remove the binding between the current phone and the battery pack.

A confirmation window will ask you to confirm the unbinding. Tap "Unbind" to confirm, or tap "Cancel" to keep the current binding.

After unbinding, you need to reconnect to control the BP60.

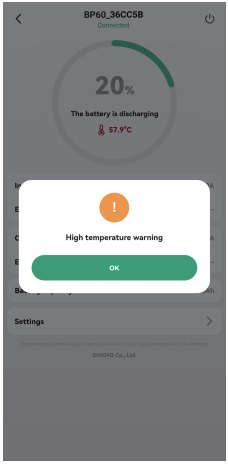


Warning Alerts



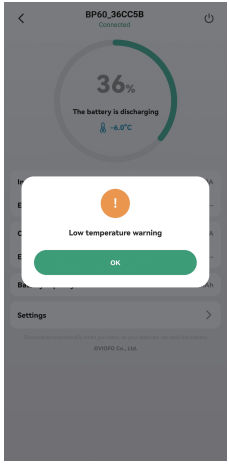
Low Battery Warning:

This warning alert will be displayed if the battery level drops below 10%.



High Temperature Warning:

This warning alert will be displayed if BP60's internal temperature reaches 50°C (122°F).



Low Temperature Warning:

This warning alert will be displayed if BP60's internal temperature drops below 0°C (32°F).

Customer Service

Thanks for choosing VIOFO!
From the date of purchase, this product is warranted for 18 months.
VIOFO offers lifetime technical support for all our users. We are committed to making sure that you are 100% satisfied with our products and services.

How to Contact Us?

Submit a ticket at viofo.com/support

Live chat at www.viofo.com

support@viofo.com

www.facebook.com/viofo

+1 323 505 9898 (USA)
+1 323 609 9898 (Global)

Mon-Fri 9am-6pm

Scan the QR code to submit a ticket

Notice

FCC Statement

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.

The device has been evaluated to meet general RF exposure requirements.
The device can be used under portable exposure conditions without restriction.

Caution:

Any changes or modifications to this device not explicitly approved by the manufacturer could void your authority to operate this equipment.
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.
(2) This device must accept any interference received, including interference that may cause undesired operation.

Scan to Access User Guide Videos

Scan to Access User Manual

V26.08.24