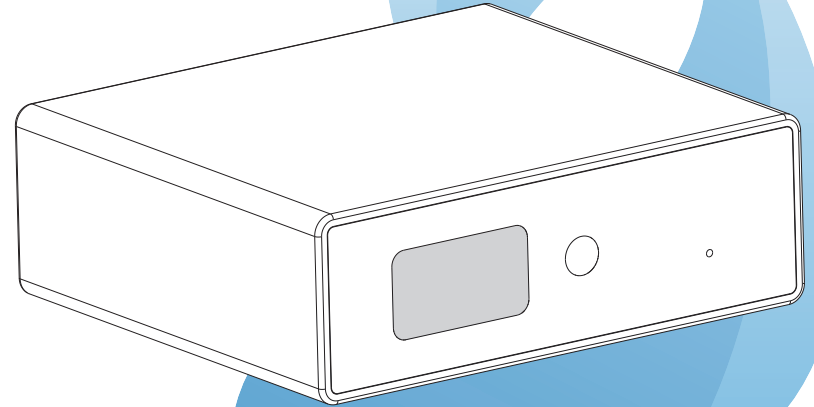


WalleCube Smart UPS Manual

Customer Service

Email: hi@wallecube.com
Website: <https://www.wallecube.com>



Please read this manual thoroughly and inspect the device before connecting or operating.

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Read Before Operating

Important Note

Before connecting, operating, and maintaining the device for the first time, please power the device first.

Safety Precautions

Not suitable for and must not be used in the following situation:

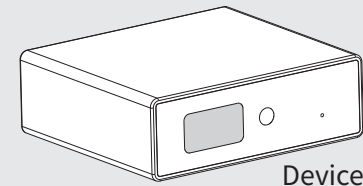
1. Environments with hazardous gases
2. Environments with moisture, dust, dirt, steam, or extreme humidity
3. Environments that are prone to mold, insects, or parasites
4. Environments with salty air or cooling water, smoke, acid, or other contaminants
5. Environments with a pollution level higher than 2 according to IEC 60664-1
6. Environments with abnormal vibration, heat sources, or strong electromagnetic interference

Warning

1. This device is designed for indoor use only.
2. Do not use this device in areas exposed to direct sunlight, liquids, excessive dust, or high humidity.
3. Do not use a transformer or voltage regulator to power the device, as this may cause damage to the device.

4. The UPS does not have a transformer function; do not use it across voltage ranges. Do not use an adapter with a voltage that does not match the device's power requirements, as this may cause damage to the device.
5. Please set the adapter's voltage and current correctly. Incorrect settings may cause the UPS to fail to charge or damage the NAS.
6. In case of connecting multiple devices, ensure that the total power output of the power supply adapter exceeds the combined maximum power requirements of all connected devices. The maximum power of each device should be based on the power rating specified on the original power adapter.

Packing List



Device



USB



DC5525



DC5521 Male to
DC5525 Male



4PIN Power Female
(Short Cable)



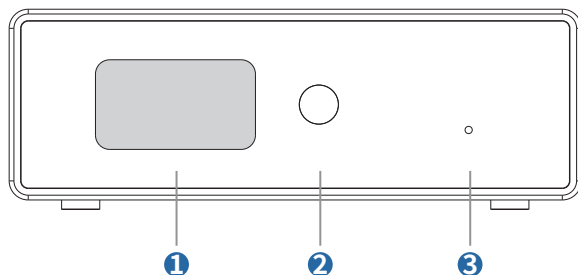
4PIN Power Male
(Long Cable)



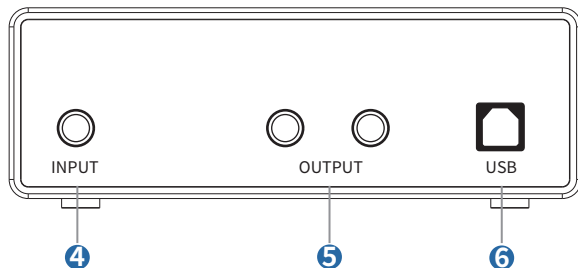
DC5521 Female to
DC5525 Male

Appearance

FRONT



BACK



- 1 Screen
- 2 Power and wake-up button
- 3 Reboot
- 4 Power input
- 5 Power output (non differential)
- 6 USB port

Instructions

Important Note

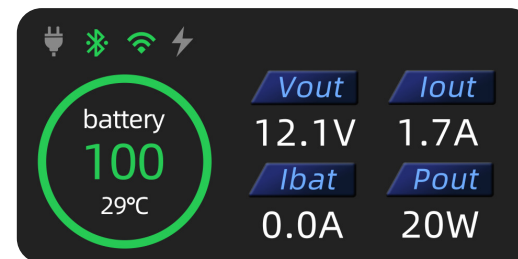
Before connecting, operating, and maintaining the device for the first time, please power the device first.

Operating

• Power On and Power Off

Power on: Press and hold the power button until you hear a beep.

Power off: Disconnect all inputs and outputs from the UPS, press and hold the power button for 15 seconds to turn it off.



	Adapter plugged in.
	Adapter not plugged in.
	WIFI connected
	WIFI not connected
	Bluetooth connected
	Bluetooth not connected
	Charging
	Not charging

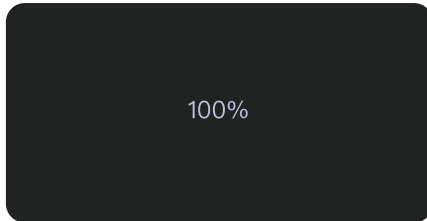
Vout	Current output voltage
Iout	Current output current
Ibat	Current battery current
Pout	Current output power
29°C	Current battery temperature
Battery	Time remaining at current power

- **Screen Off, Sleep Mode and Transport Mode**

UPS Screen Off: When powered on, the system defaults to screen off mode after approximately 5 minutes.

UPS Sleep Mode: When not powered on, the system defaults to sleep mode after 10 minutes.

UPS Transport Mode: After 72 hours in sleep mode, the UPS enters transport mode.



- **UPS Wake Up**

UPS wake-up: After screen off sleep mode, press the power button once to wake up the UPS.

- **UPS Restart**

UPS restart: Press the device reboot button to restart the UPS.

- **Device Information**

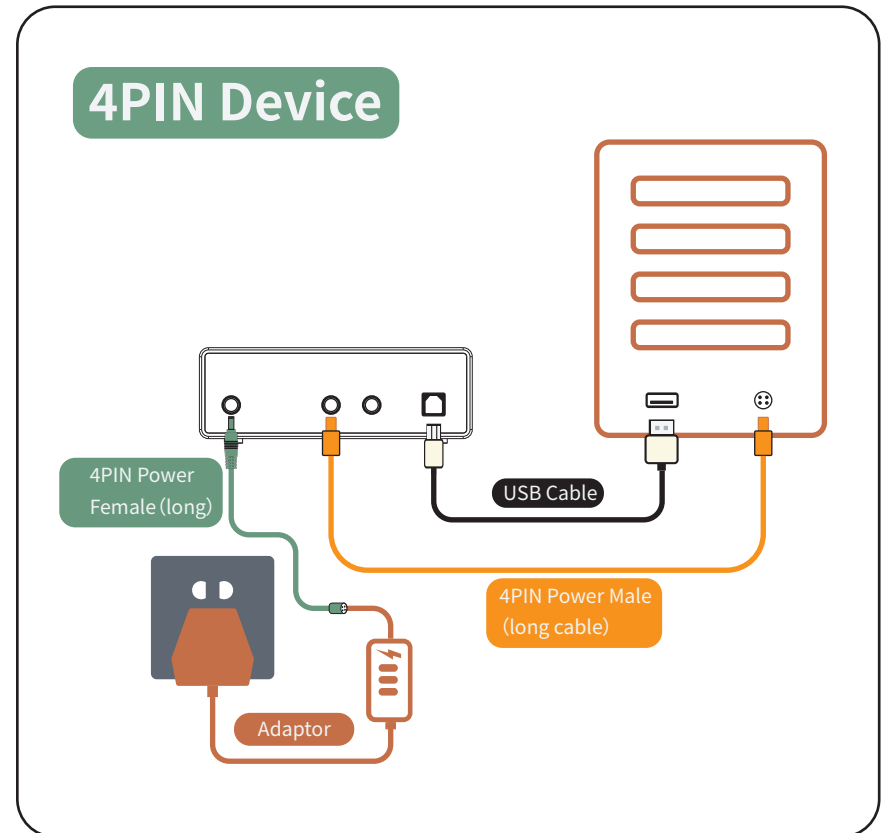
View device information: Press and hold the power button for 5 seconds to display device information, including the device's IP address, IMEI number, and the QR code corresponding to that IMEI number.



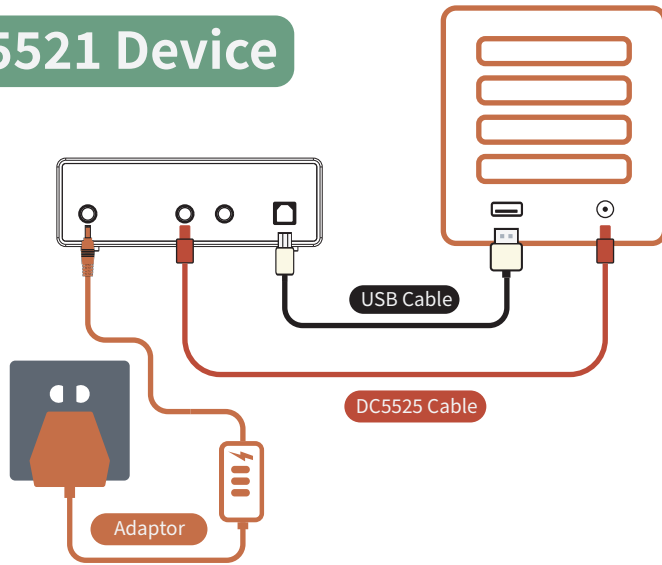
Connecting

Important Note

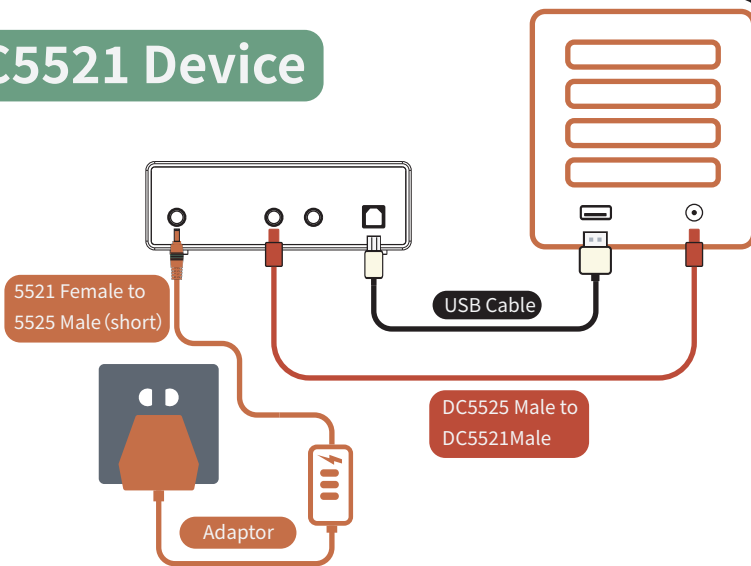
Before connecting, make sure to select the right cables according to the adaptor and NAS, check the instruction of the NAS if not sure.



DC5521 Device



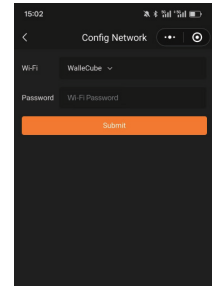
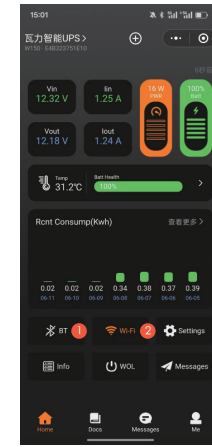
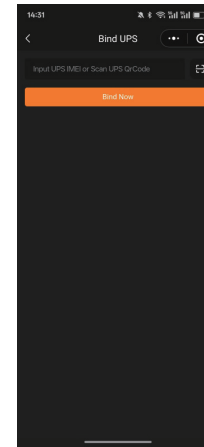
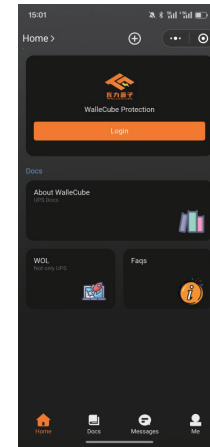
DC5521 Device



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Binding and Network

1. Scan the QR code for the APP (Android), or search WalleCube in APP Store (iPhone).



- Click Add UPS, scan the device QR code, or enter the device IMEI.
- While the screen is on, press and hold the button for 5s to display a QR code. Scan it and click "Bind." The APP will return to the device data page.
- Click BT ① and connect Bluetooth, then click WIFI ② to configure the network, enter the WIFI password and connect to the WIFI.

Cautions

- Connecting Bluetooth needs location, Bluetooth, and nearby devices (local network) permissions, please turn on the phone's location and Bluetooth.
- Only supports 2.4G WIFI. If 2.4G WIFI and 5G WIFI are combined and no IP address can be assigned, please separate.
- When configuring WIFI, be close to the router, disconnect the phone from WIFI, and use mobile data for configuration.
- If it fails to assign an IP, you can try to restart the device by poking the reset button and check the router's WIFI encryption type.

8

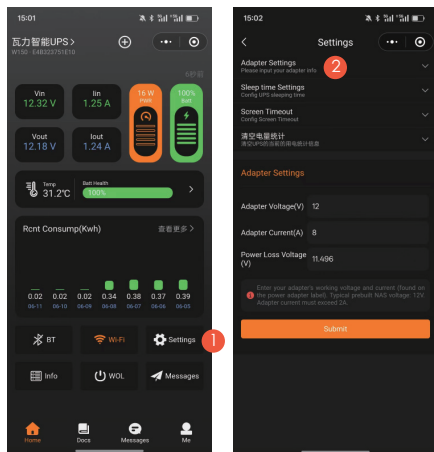
Adapter and Parameter

PURPOSE

The UPS needs to know its operating conditions - the voltage and the maximum current the adapter need to be provided, so that the UPS can know when the power is off, when to power the NAS, and when the power is restored.

How

Connect to Bluetooth, click Setting ❶ Adapter Settings ❷
Set the voltage and the current according to the power adapter.



Example: For this adapter, the power adapter voltage is set to 12 and the current is set to 7.5.

- The UPS does not work as a converter. When the power adapter is powered, the input voltage and output voltage are the same. Please do not choose a power adapter that is not suitable for the connected equipment.

NAS Configuration

- Please check the UPS connection status in the NAS system in 5 minutes after connecting to the NAS.
- The check paths for some NAS are as follows. If not mentioned, you can check in the manual of the NAS.

Synology	Control Panel > Hardware & Power > UPS
QNAP	Control Panel > System > External Device > UPS
UGREEN	Control Panel > Hardware and Power > UPS
TerraMaster	Control Panel > Hardware and Power > UPS
ZSpace	Setting > UPS
fnOS	Setting > UPS

If you encounter any configuration issues within NAS, please consult the customer service of the NAS, check the online manual in WalleCube APP or send us email:

hi@wallecube.com

FAQ

- Please use the voltage and current setting accordingly. Incorrect configuration may cause the UPS to not power or damage the connected equipment.
- If the power adapter does not reach the specified voltage, please lower the power adapter voltage in the settings accordingly.

Advanced Settings

WalleCube UPS has OAT online upgrade function, and we will strive to update and provide more advanced functions. Please view the online document within the APP to get more advanced function instructions.

Specifications

MODEL	WalleCube Smart UPS W150
INPUT	Voltage:9V - 20V Current 2A - 10A
OUTPUT	Voltage:9V - 20V Maxium Power:120W (12V-15V Mode) 150W (15V Mode) 145W (15V-20VMode) Input Port:DC 5.5*2.5 X1 Output Port:DC 5.5*2.5 X2
NETWORK	Configuration:APP Network Type:2.4G WIFI
BATTERY	Battery Type:Lithium Iron Phosphate Capacity:57.6Wh (18000mAh)
COMM PORT	USB Port X1
ENVIRONMENT	Operating Temperature:-20°C - 60°C Relative humidity:0 - 90% (No Frost)
DIMENSION	Dimension:120x106x40 (mm) Weight:780 (g)
SCREEN	1.47 Inch TFT Screen
SYSTEM	Synology DSM7.0+ QNAPQTS5.0+ TerraMasterTOS5.0+ ZSpaceZOS UGREEN UGOS & Pro fnOS TrueNAS Scale & Core Unraid UNAS Hikvision

Warranty

This product provides a one-year standard warranty service from the date of purchase. For specific warranty policies, please refer to the sales platform.

Warranty NOT Included

1. The warranty of this product has expired;
2. Damage caused by misuse, maintain or keep the product in inappropriate environment according to the manual;
3. Damage caused by the user's own disassembly and modification;
4. Product damage caused by unexpected factors or behavior;
5. Damage caused by the use of pirated or other illegally authorized software;

FCC Warning

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Statement

To maintain compliance with FCC'S RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm between the radiator and your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.