



USER MANUAL

For **in-house support & response within 24 hours**, please contact info@blackboxmycar.com with any questions.



Available on the
App Store



GET IT ON
Google Play

Download the **IT'S CELL App** (YKLab) to get started

IT'S CELL BATTERY PACK

FCC COMPLIANCE

FCC Part 15.19 Statements

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.

FCC Part 15.105 Statement (Class B)

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:

- 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

FCC Part 15.21 Statement

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

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MODEL DETAILS



It's cell LED indication

	Status	B	C/F		4	3	2	1
		Blue	Red	Green	White			
Switch on	Switch off							
	Switch ON(Continue for 3 seconds)	LED turns on for 3 seconds then LED turns off sequentially						
	Display storage capacity (Continue for 2 seconds)				Led 1~4 capacity display			
	Waiting state							
	Bluetooth connected	ON						
	Bluetooth searching	Blink						
Charging	ACC1 input (5 seconds blink)		ON					Blink
	ACC2 input (5 seconds blink)		ON				Blink	
	ACC1+ACC2 input (5 seconds blink)		ON				Blink	Blink
	CAR BATT input (5 seconds blink)		ON			Blink		
	Charging (capacity display)		ON		Led 1~4 capacity display			
	Fully charged			ON	ON	ON	ON	ON
Error indication	Battery high temp.		Blink		ON	ON	ON	ON
	Battery low voltage/output off		Blink		ON			
	Input ACC1 low voltage		Blink					ON
	Input ACC2 low voltage		Blink				ON	
	Input ACC1 + ACC2 low voltage		Blink				ON	ON
	Input CAR BATT/B+ low voltage		Blink			ON		
	Output failure		Blink		Blink			
	Charger_1 failure		Blink					Blink
	Charger_2 failure		Blink					
	Bluetooth connection error	Blink	Blink					

•Blink : 1 sec. on/off

Basic accessory



ACC Input cable



Output cable



Velcro



Manual

IT'S CELL BATTERY PACK

FEATURES



Fast Charging

Charge faster with dual charging and maintain a low product temperature



Expansion Battery

Connect additional batteries into one, control them all from one application



Self-Diagnosis

If error occurs, self-check through LED indicator on device



Bluetooth App

Check the battery status with the app & change battery settings



Dual USB Ports

Two 5V USB outputs available. Charge your phone without starting your car

Input			Cigar jack : 12V ~17V 5A MAX Fuse box : 12 ~17V 7A MAX/1 input (2 input: 14A) MAIN BATT. : 12 ~17V 14A MAX			
Output			OUTPUT 11~14.5V, 2A / USB 5V 3A MAX			
Charging mode (Ampere)	H/W Control (H/OFF/L)		High mode(H) (Input 13.5 Volts Reference)			Limit mode(L)
	App Current Control		High	Normal	Low	-
	Single	ACC1 or ACC2	6	5	4	3
		CAR BAT	6	5	4	3
	Dual	ACC1 or ACC2	Unapplicable	5+5	4+4	3+3
		CAR BAT	12	10	8	6
Model			Bi450		Bi750	
Estimated Time of Discharge (power consumption based on 3W)			19hr.		32hr.	
Capacity			12.8V 4500mA, 57.6Wh		12.8V 7500mA, 96Wh	
Charging time	Single mode		55~70min.		80~100min.	
	Dual mode		28~35min.		50~60min.	
Battery cell			Lithium iron phosphate (LiFePO4)			
Size, weight			144(W)X139(L)X30(H) / 0.84kg		144(W)X212(L)X30(H) / 1.32kg	
Remarks			※ Dual mode operates above 13 volts input and can only be changed software in our app. ※ Dual mode stops charging if the input Plus voltage during charging falls below the set low voltage stop condition. ※ Dual mode of the Bi450 applies only to expansion pack connections and conditions with a total capacity of 7500 mA or higher.			

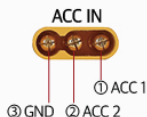
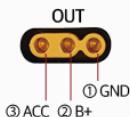
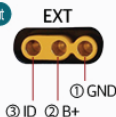
•The factory default mode. Use cigar jack as the limite mode.

IT'S CELL BATTERY PACK

FRONT VIEW

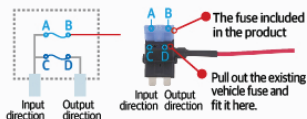


Connector Ray-out



- 1 Power Switch**
 - (L)** Power ON & charge on LOW
Cigarette adapter only mode
 - (H)** Power ON & charge current on HIGH
- 2 ACC Input**
 For connecting your ACC1, ACC2 to your vehicle fuse box
- 3 Car Battery Input**
 For connecting your vehicle's main battery
- 4 Dash Cam Connection Output**
 For connecting your dash cam cables
- 5 LED Indicator**
 For indicating charge status & for troubleshooting
- 6 Expansion Pack Connection**
 For connecting your battery expansion pack
 * Automatically calculate capacity and charge current when connected to your smartphone
- 7 USB Outputs**
 USB 5V Charging Terminals (3A Max)
- 8 COM Input**
 Firmware Upgrade Portal (for administrators only)

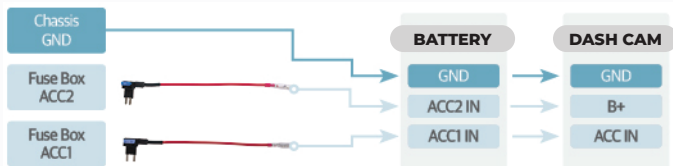
How to use the Add-A-Fuse



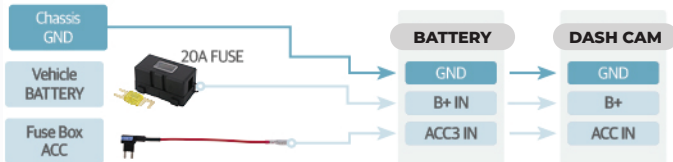
IT'S CELL BATTERY PACK

INSTALLING YOUR BATTERY

ACC1+2 Connection



Vehicle's Main Battery Connection



• Connect the chassis GND to the bolts fixed to the metal part of the chassis

- 1 Switch off the battery and connect INPUT Cable and OUTPUT Cable to each terminal
- 2 Locate your fusebox and identify the ACC Fuse(s)
- 3 Insert ACC INPUT Cable(s) into Add-a-Fuse and crimp it with a crimper
ACC Fuse only has power when vehicle's on
- 4 Connect Add-a-Fuse(s) back to the Fusebox and locate a secure ground
Note: Do not use the same ACC fuse
- 5 If B+ install is preferred, connect to the vehicle's main battery via 20A Fuse Block

Optional Accessories



Main Input cable



Fuse Block, 20A FUSE



Fuse & the add a fuse 3 types
ATO , MINI, MICRO02

IT'S CELL BATTERY PACK

BATTERY DISPOSAL

To properly dispose of this battery:

- (1) Do not throw away used batteries:
- (2) Do not incinerate batteries when disposing, as heat may cause explosion and fire.
- (3) Laws related to battery disposal may vary by country and region.

Warranty

This battery is a consumable product, and the warranty period is 12 months from the date of purchase. If the product is damaged due to negligence or other carelessness during the warranty period, the user may be charged a fee for service.

Caution

Careless handling of battery may cause problems such as deterioration of performance, ignition and explosion. Please check the following below:

1. When installing in a vehicle, please use the original cable supplied by the manufacturer.
2. When the battery swells up, do not use the battery and replace it with a new one.
3. Avoid direct sunlight and keep the battery in a place where it will not be exposed to cold temperatures.
4. Be careful not to allow conductive objects such as metal to touch the connection terminal of the battery charging cable.
5. Do not place the battery in a microwave oven or a high pressure area.
6. Do not drop the battery or otherwise subject it to strong impact.
7. Do not attempt to repair or modify the battery yourself.
8. Do not disassemble the battery or puncture it with a sharp or pointed object.
9. Do not use the product if it has a strange smell. Replace it with a new one.
10. Do not use the product in a place where it may cause static electricity as this may affect the performance of the protection circuit of the battery.
11. Do not use this product for any purpose other than dash cam use. Any disassembly, modification or alteration of the product will void the warranty.
12. Be careful not to allow children or pets to touch the battery.
13. Do not allow the battery to contact water or other liquids.

How to Install the Bluetooth App

Search and install **ItsCell** from Google Play or the Apple App Store. (Bluetooth apps and product usage instructions can be found in "Apps - Help".)

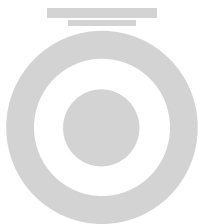


Adding Expansion Packs

When you add an expansion pack, the application will automatically recalculate the capacity and usage time. There are two types of expansion packs: 4,500 mAh and 7,500 mAh. Please inquire with the BlackboxMyCar support team if you have any questions or comments.

Manufacturer Information

Manufacturer: YKLabs Inc.
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Email: itscell@yklab.co.kr



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