

Flysight®

PB03 User Manual



## 1 Safety

### Warning

- To reduce the risk of fire, electric shock or damage to the product, please do not let the machine in the rain, exposure or moisture.
- Please only use the recommended accessories.
- Please do not disassemble this product, need professional persons for maintenance.

### Note

- Please do not install or put the product in the bookcase, closet and other closed space, so as to avoid overheating caused by electric shock or fire hazards.
- Please do not put the product near the open flame.
- This machine is not dust-proof, waterproof, please pay attention when using.
- This product can not charge and discharge at the same time.
- When the product is not used for a long time, please charge at least once in 2-3 months to ensure the normal use of the product.

## 2 Product Use

### Suitable equipment

Automotive emergency start

Can be used for all USB charging equipment, such as mobile phones, PSP, IPOD, MP3, MP4, PMP, GPS, Bluetooth, digital cameras and so on

## 3 Packing List



Main body



(black) (red)  
intelligent ignition cable



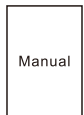
Power adapter(optional)



AC power cable



Car charging cable

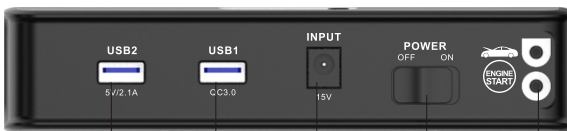
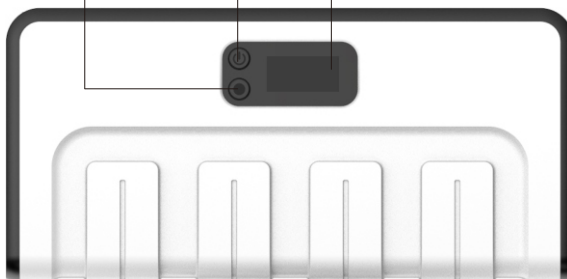


Manual

## 4 Function Chart

### Interface definition of the product:

FUNC button Start USB out OLED screen



USB2 5V/2.1A output  
USB1 QC3.0 input (5V/2.1A, 9V/2A)  
Power INPUT (15V)  
Power switch  
ENGINE START (10.6-12.6V)  
LED light

### Interface definition of the intelligent ignition cable:



Reset button

Red and blue light

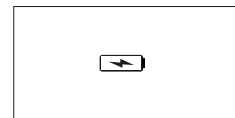
Battery clamp positive electrode (red)

Battery clamp negative electrode (black)

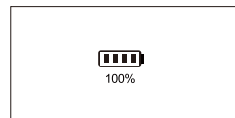
## 5 Instructions

### 一、 Battery charging

Please put the power switch to "ON", one end of the power adapter (15V) is connected to the product, the other end is connected to the AC power outlet; the LCD screen shows the battery charging percentage, when it shows 100% , which indicates the battery is fully charged , please put the total power switch to "OFF" to close the power supply. For example:



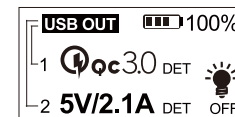
During charging



Full charging

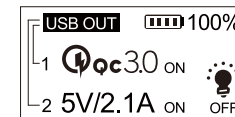
### 二、 Power display and USB discharge

Please switch the power switch to "ON", the LCD screen shows the battery charging percentage and the product status information.



1. Power display: LCD screen displays the percentage of electricity, when the power is lower than 3%, electricity power display flashing prompts insufficient electricity, please recharge in time; otherwise, it automatically shuts off the screen and the USB power output after 30 seconds, if so, please put the power switch to "OFF" in time.

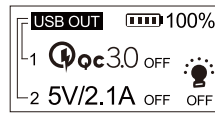
2. Discharge output: discharge equipment accesses to the USB interface via the connection cable, press the "USB\_ON" button to open the USB power output.



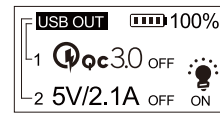
At this point the corresponding output is displayed "DET". When there is a load, the corresponding port output shows "ON" state; if there is no load ,it will turn off the output automatically after 30 seconds, showing "OFF".

### 三、 LED light switch

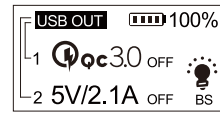
press "FUNC" button to switch between "OFF" "ON" "BS" "SOS""WARN", "OFF" is the light off mode, "ON" is a flashlight mode, "BS" is the flash mode, "SOS" is SOS mode, WARN is the white red warning mode.



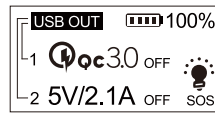
Light off mode



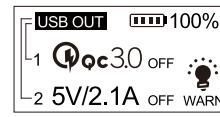
Flashlight mode



Flash mode



SOS mode



White red warning mode

### 四、 Automotive emergency start

Intelligent ignition cable instructions: please switch on the motherboard power switch to the "ON" state, in order to adapt to different models, to ensure that the electricity power display on the screen is 3 or more than 70%.

- Please insert the plug of the intelligent ignition cable into the PB03 auto start port, and the positive electrode of the intelligent ignition wire is connected to the positive electrode of the car battery, so is the negative electrode.
- Long red light indicates that the battery is not enough, please charge and then start.
- The red and blue lights flashing alternately indicate that the system is being detected.
- Red light is on for long time and accompanied by continuous alarm sound, which indicates the connection is not correct, please reconnect.
- Hear the buzzer with a long blue light on, meaning the connection is correct, you can start the car. (After the blue light is on for 30 seconds, the power will be switched off automatically. The red and blue light will be bright. If you need to start the car again, please restart the reset button on the ignition cable) .

- When you hear the buzzer and a blue light is on for 3 seconds, the red and blue lights are long on, which indicates that the battery voltage is normal.

**Note:** When the blue light is long on, prohibit to remove the clip to short circuit, do not resupinately clamp the positive and negative poles to the battery, do not use the intelligent ignition cable to continuously start the car, please start the middle repeatedly interval 1 minutes above, more than 1 minute between two start-up.

## 6 Specifications

Electric ore	polymer lithium battery
Battery capacity	12600mAH, 12.6V
Input	15V/1A
USB1 output	QC3.0 agreement(5V/2.1A , 9V/2A)
USB2 output	5V/2.1A
Auto start output interface	10.6-12.6V /(Instantaneous current)300A
Charging time	4-5 hours
Using time	4-6 hours, the specific time is up to the use of different equipment
Cycle life	>400 times
Working temperature	-10 ℃-40℃
Storage temperature	-20℃-50℃
Main body size	168x81x37mm
Main body weight	500g

Flysight®

PB03智能汽车应急启动电源使用说明书

## 一 安全

### 警告

- 为了减少火灾、触电或产品损坏的危险，请勿让本机淋雨、暴晒或受潮。
- 请仅使用推荐的附件。
- 请勿拆卸本产品, 应该由合格的人员进行维修。

### 注意

- 请勿将本机安装或置于书柜、壁橱等其他密闭的空间里，以免因过热而造成触电或火灾等危险。
- 请勿让本机置于诸如点燃的明火附近。
- 本机不防尘，不防水，使用时请注意。
- 该产品不能同时充放电。
- 当产品长时间不使用时，请在2-3个月内至少充一次电，以保证产品能正常使用。

## 二 产品用途

### 适用设备

#### 汽车应急启动

可以给所有带USB充电的设备使用，如手机，PSP，IPOD，Mp3，Mp4，PMP，GPS，蓝牙，数码相机等。

## 三 附件



主机



智能点火线



电源适配器(选配)



AC电源线



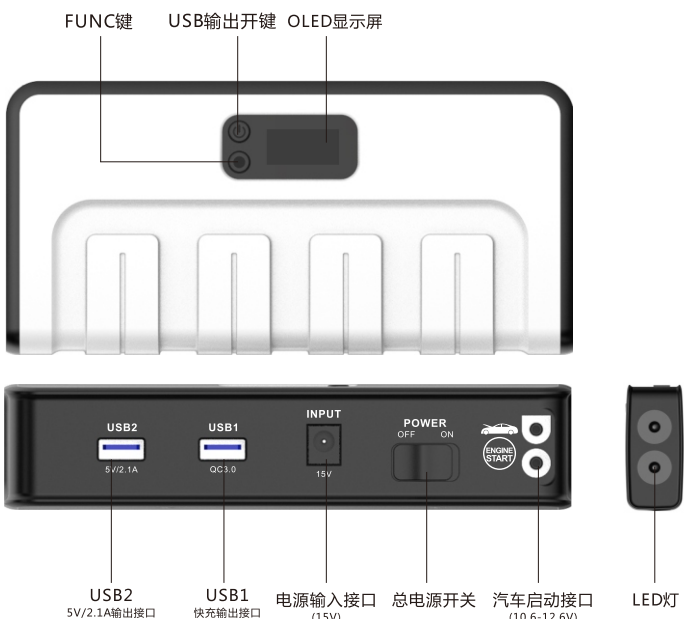
车充线



说明书

## 四 功能图

### PB03产品照片按产品图片标示接口定义:



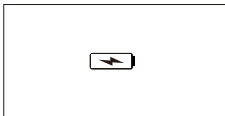
### 智能点火线按产品图片标示接口定义:



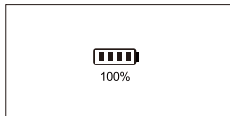
## 五 使用说明

### 一、电池充电

请把**总电源开关**打到 "ON", 电源适配器（15V）一端连接到充电宝，另一端接入AC电源插座，充电宝LCD屏显示电池充电百分比，当电池显示100%表示电池已充满，请把总电源开关打到"OFF", 关闭产品电源。如图:



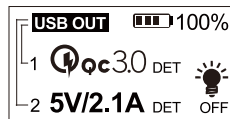
正在充电



充电完成

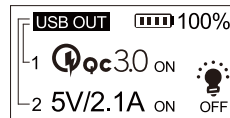
### 二、电量显示及USB放电

请把总电源开关打到 "ON", LCD屏显示电池充电百分比和充电宝的状态信息, 如下图:



1. 电量显示: LCD屏显示电量百分比，当电量低于3%，电量显示闪烁提示电量不足请及时充电，30秒后自动关显示屏和USB电源输出，请及时把总电源开关打到“OFF”。

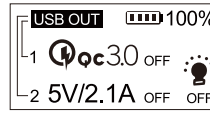
2. 放电输出: 放电设备通过连接线接入USB接口，按“USB\_ON”键开USB电源输出。如图:



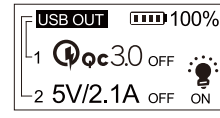
此时相应的输出是显示“DET”。当有接负载，相应的端口输出显示“ON”状态，如无接负载30秒自动关闭输出，显示“OFF”。

### 三、LED灯开关

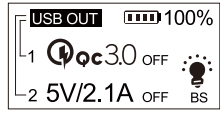
按“**FUNC**”，功能键在“OFF” “ON” “BS” “SOS” “WARN” 之间切换，附图: “OFF” 是关灯模式，“ON” 是开手电筒模式，“BS” 是爆闪模式，“SOS” 是SOS模式，“WARN” 是白红警示模式:



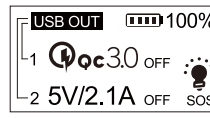
关灯模式



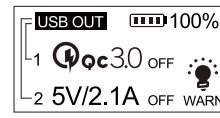
开手电筒模式



爆闪模式



SOS模式



白红警示模式

### 四、汽车应急启动

智能点火线使用说明: 请把主板上的电源开关打到“ON”状态，为了适应不同的车型，确保显示屏上的电量显示3格或者70%以上。

- 请先将智能点火线的插头插入PB03汽车启动端口，智能点火线的正极连接到汽车电瓶正极，智能点火线的负极连接到汽车电瓶负极。
- 红灯长亮表示电量不足，请充电后再启动。
- 红蓝灯交替闪烁表示系统正在检测中。
- 红灯长亮并伴随连续报警声，表示连接不正确，请重新连接。
- 听到蜂鸣器“嘀”的一声并蓝灯长亮，表示连接正确，可启动汽车。（蓝灯亮30秒后自动断开电源，红蓝灯常亮，如需再次启动汽车请按智能点火线上的复位按键重新启动。）
- 听到蜂鸣器“嘀”的一声并蓝灯亮3秒后红蓝灯常亮表示汽车电瓶电压正常。

**注意事项：**在蓝灯长亮时，禁止取下夹子短路、禁止将夹子正负极反夹到电瓶上，请不要使用该智能点火线连续启动汽车，多次启动中间请间隔1分钟以上。

## 六 规格参数

电芯	聚合物锂电池
电池容量	12600mAh, 12.6V
输入	15V/1A
USB1输出	QC3.0协议(5V/2.1A, 9V/2A )
USB2输出	5V/2.1A
汽车启动输出接口	10.6-12.6V /（瞬间电流）300A
充电时间	4-5小时
使用时间	4-6小时, 具体的时间与不同的使用设备而定。
循环寿命	>400次
工作温度	-10℃-40℃
存储温度	-20℃-50℃
主机尺寸	168x81x37mm
主机重量	500g