

PHILIPS

Car Jump Starter

JS7310

User Manual

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JS7310 model name and serial number are printed on the product label.

English

Warranty and service

Lumileds is the warrantor of this product. The limited warranty applies, provided that:

- The product is within the warranty period, which is 1 year from the date of purchase;
- The product is used properly and in line with its intended purpose;
- The product is handled in accordance with its operating instructions;
- The original purchase receipt is presented with the product.

The Lumileds warranty excludes, or does not apply, if:

- The proof-of-purchase document has been altered in any way, or is made illegible;
- The model number, serial number or production date code on the product have been altered, removed, or made illegible;
- The product has been dismantled, repaired, or modified by an unauthorized service provider or person;
- The product does not function properly because it was not originally designed, manufactured or approved for use in the country where you used the product;
- The defect is caused by abuse of the product, or by environmental conditions that do not conform with guidance contained within this user manual (including but not limited to lightning, abnormal voltage, fire, natural disaster, transportation, or water), or by normal wear and tear.

Important: please read

Please only use the items and accessories supplied in this package to install the device. Please avoid high temperatures and direct sunlight exposure when operating this product outdoors.

For more information and assistance, or for any problem with the product, please visit the Philips website at www.philips.com/automotive, or contact the retail outlet where you purchased the product.

Alternatively, you can also call the customer service hotline:

For China: 400 690 8826

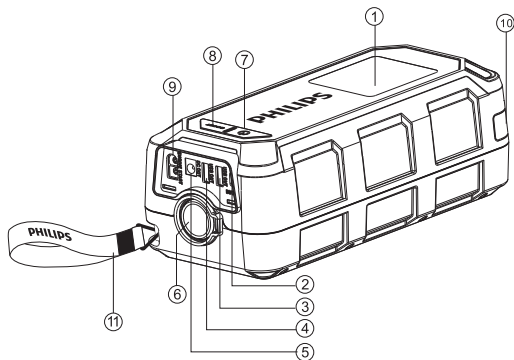
For Japan: 0570-080-123

For Korea: +82-31-620-1600

For Taiwan: 0800 700 168

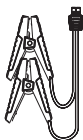
Manufacturer: Lumileds (Shanghai) Management Co., Ltd.
No. 19-20, Lane 299, Wenshui Road, Jian'An District, Shanghai
Postal code: 200072

1. Product Overview:



- | | |
|-------------------------------------|--------------------------|
| 1. LED screen | 7. Power button |
| 2. USB-C In/out port (PD100W Max) | 8. BOOST button |
| 3. USB1 out port (QC3.0, 5V/9V/12V) | 9. 12V jump start output |
| 4. USB2 out port (5V/2.4A) | 10. LED flashlight |
| 5. DC out port (15V/10A, Max 150W) | 11. Wrist lanyard |
| 6. 15V/10A | |

Included accessories:



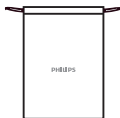
Clamps



PD100W
Charging Cable



Hook

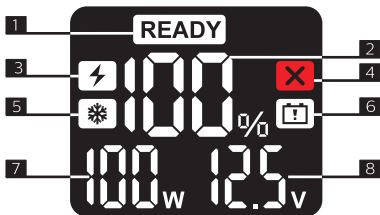



Carrying
Bag



User Manual

2. Display Screen Instructions



1. **READY solid:** indicates the device is ready for jumpstarting the vehicle.
READY blinks: indicates the car battery voltage is too low and need to activate the BOOST mode.
2. **Battery power percentage:** Battery storage level.
3. **Small current mode:** with this mode, it can charge devices that require a small current, such as headphones and smart watches, to turn on this mode, please press hold the  button and BOOST button simultaneously for 2 seconds.
4. **Reverse connection indicator.**
5. **Low temperature warning:** indicates that temperature of the product battery is below 0°C/32° F.
6. **Vehicle battery diagnosis :**When the vehicle battery's voltage is detected to be low or abnormal, a warning icon will flash on screen, notifying you to charge or double check that battery.
7. **Input/output wattage.**
8. **Vehicle battery voltage.**

3. Operational Guideline

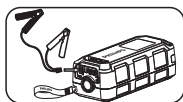
1. Steps to Jump Starter Vehicles(12V only)

Note:

1. Suggest the battery power is higher than 75% before jump start the vehicle.
2. Ensure the vehicle is in PARK gear and all accessories (head lights, audio, etc) are turned off.
3. Ensure the battery terminals are free of corrosion.
4. **DO NOT** press the BOOST button before connecting the vehicle battery correctly.
5. Ensure two clamps are connected to proper terminals.

Steps

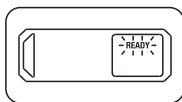
1. Connect the plug of the clamp into the device (make sure it is fully connected).
 2. Connect the red clamp to the vehicle's positive(+) battery terminal first, and then connect the black clamp to the negative (-) battery terminal.
 3. If the READY icon becomes on, start the vehicles directly.
 4. When the vehicles starts, leave the engine running and remove the jump starter clamps from the vehicle battery in the order of negative(-) first and then positive(+).
- * If other messages appear on the screen, please follow the corresponding steps in the following table.



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④



⑤

Error Message on Screen



Beeping



Beeping



Beeping



Beeping




Beeping



Beeping



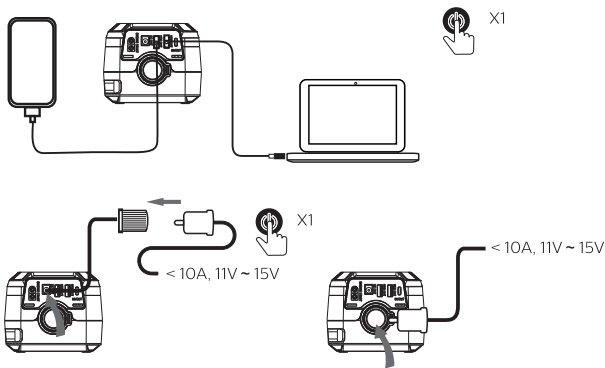
Error Message/ Cause/ Solution

Error Message	Cause	Error Solution
X + Beeping	Reverse connection.	Please correct the connection between clamps and battery terminals.
READY (blinks)+Beeping	Vehicle battery dead.	Manual override, Press BOOST button for 2 seconds, when "READY" icon is solid, start the vehicle within 30 seconds.
"E1" + Beeping	The temp of jump starter is too low or high.	Restore the temp of jump starter to 32°F - 113°F.
"E2" + Beeping	Over current protection enabled.	Wait 30 seconds for jump starter to reset.
"E3" + Beeping	Over heat protection enabled (exceeded 4 jump start attempts within 10 minutes).	Wait 10 minutes for jump starter to reset.
"E4" + Beeping	Internal circuit is abnormal.	Stop using and contact the service team.
	Internal battery temperature is lower than 32 °F/ 0 °C	1. Outputs can work normally. 2. The input is forbidden, please move the unit to the indoor temperature and recharge it again.

2.How to charge phones , tablets and 12V electronic devices

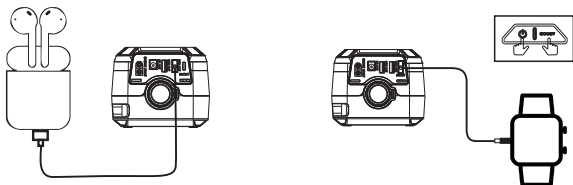
1. Select a suitable connection cable for the device.
2. Connect the end of the cable to the device's output port.
3. Press the power button to start charging the mobile phones, tablets or other 12V electronic devices.

*12V extension cable is not included



3. How to charge small current device, such as headphones and smart watches

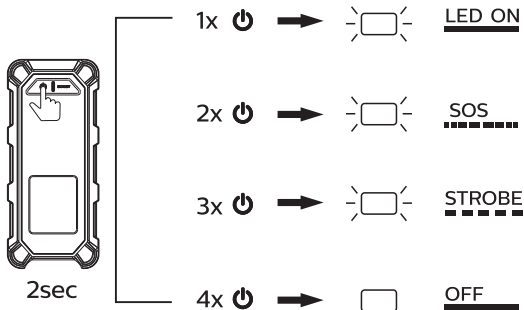
1. Select a suitable connection cable for the device.
2. Connect the end of the cable to the device's output port
3. Press hold the POWER button and BOOST button simultaneously for 2 seconds to start charging



4. How to use the LED flashlight

1. Press and hold the Power button for 2 seconds to turn on LED light
2. The LED light has 4 modes, appearing in the following order: normal ,SOS,stroke and OFF. Toggle between these modes by pressing the "Power" button lightly

* The light will automatically switches off after 12 hours of inactivity



4. Technical Specification

Battery Capacity	216Wh
Starting Current	500A
Peak Current	1100A
USB-C In/Out	PD100W Max (5V/3A, 9V/3A, 12V/3A,15V/3A, 20V/5A);
USB1 Out	Quick Charge 18W Max (5V/3A, 9V/2A, 12V/1.5A)
USB2 Out	5V/2.4A
DC Out	15V/10A;15V/10A (150W Max) (DC Output)
Discharge Temp	-20 °C ~ 55 °C / -4 °F ~ 131 °F
Charge Temp	0 °C ~ 45 °C / 32 °F ~ 113 °F
Life time	> 1000 Cycles
Full Charge Time	About 2.5hours charged by PD100W .

5. FAQ

Q1: How to turn off the jump starter?

A1: This device is equipped with an intelligent power saving system, it will automatically shut down when there is no load. Or you can press and hold the power button for 10 seconds to force it to shut down.

Q2:How many times can this JS7310 start a car after a full charge?

A2: Approximately 40 times to start the gasoline 2.0L vehicle

Q3:What should I do if this unit can't start a vehicle?

A3: Recharge this unit fully, then press the "BOOST" button after connecting jump cables with your car battery. After READY(solid) appears on the screen, start your car engine within 30 seconds.

6. Warning

01. Please be cautious when using it.
02. Please read the instructions carefully before use.
03. The product can only be used for starting 12V vehicles. It is prohibited to use it on equipment such as aircraft and ships.
04. Please do not use it if the clamp or the unit has any damage.
05. Do not use it as a car battery.
06. Do not use it as a car battery charger.
07. Please remove the unit from your car battery in time after cranking your car successfully.
08. Please use the equipped jumper cables, and other accessories come with it only.
09. Please make sure that the blue end of the jumper cable is fully inserted into the jumper cable interface. Otherwise, the blue end may melt.
10. Before use, make sure all battery connectors are clean and the clamps are connected right. It will weak the starting performance if the battery poles are dirty or corrosive.
11. Please do not use more than three times in a row. Or it can be overheated and damaged. It's better to let it cool down for 2 minutes after using three times in a row.
12. Please remove the product from the car battery within the 30s after use, or it may cause damage.
13. Do not connect the positive and negative clamps when the power is on.
14. Please make sure that the electricity is more than 25% when you use it to start your car.
15. Please keep this product away from children.
16. Do not play it as a toy.
17. Do not wet the product.
18. Do not immerse the product in water.
19. Do not operate the product in an explosive atmosphere like the presence of flammable liquids, gases, or dust.
20. Do not remodel or disassemble the product. Professional technicians are allowed to repair.
21. Do not expose the product to extreme heat or fire.
22. To avoid the risk of short-circuiting caused by metals falling into the hole, please remove your jewelry such as rings, bracelets, and necklaces before using the product.
23. Do not drop the product. If the product is impacted or damaged, it must be tested by a qualified battery technician.
24. Do not place the product in an environment where the temperature exceeds 70°C/158°F.

25. Please charge at room temperature not exceeding 45°C/113°F,
Only charge when the ambient temperature is between 0°C and 55°F.
26. Please use the charger delivered with the power pack to charge it only.
27. Do not use the device to start the car when it is being charged.
28. If the host leaks, please immediately recycle it with proper equipment.
29. Under extreme conditions, battery leakage may occur. If the liquid comes out of the product, it cannot be handled directly by hand. In the case of skin contact, wash immediately with soap and water. If the liquid comes in contact with your eyes, rinse your eyes with cold tap water for at least 10 minutes and seek medical attention immediately.
30. Lithium-ion battery-based products should be disposed of under local regulations at the end of their life.

简体中文

保修和服务

亮锐公司为此产品提供保修。亮锐公司保修适用范围：

该产品在保修期内，即购买日期后的1年。

该产品严格按照指定用途操作。

该产品按照操作说明使用。

发票原件与产品一起出示。

亮锐公司的保修不包括或不适用于以下情况：

购买凭证被更改或难以辨认。

产品上的型号、序列号或生产日期代码被更改、删除或难以辨认。

产品被未经授权的服务机构或人员拆解、修理或改装。

该产品不能正常使用，因为它原本不是为您使用该产品的国家设计、制造或批准使用的。

产品的损坏是因滥用产品或不符合产品用户手册的环境条件造成的，包括但不限于雷电、异常电压、火灾、自然灾害、运输或水，正常磨损。

1 △ 重要事项

请只使用本包装中提供的物品和配件来安装设备。

在户外操作本产品时，请避免高温和阳光直射。

如果您需要更多信息和帮助，或者对该产品有疑问，可以访问飞利浦网站：

www.philips.com/automotive,

或联系您购买产品的零售店。

另外，您也可以拨打客户服务热线：

中国：400 690 8826

日本：0570-080-123

韩国：+82-31-620-1600

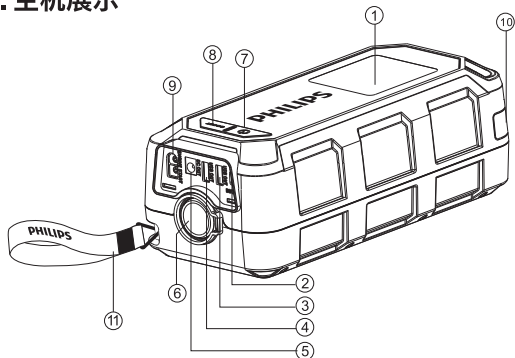
台湾：0800 700 168

生产商：亮锐（上海）管理有限公司

上海市静安区汶水路299弄19-20号

邮编：200072

1. 主机展示



1. 显示屏

2. USB-C 输入/输出口 (最大 PD100W)

3. USB1 输出口 (QC3.0, 5V/9V/12V)

4. USB2 输出口 (5V/2.4A)

5. DC 输出口 (15V/10A, Max 150W)

6. 15V/10A

7. 电源按键

8. BOOST按钮

9. 12V启动端口输出

10. LED手电筒

11. 手提绳

配件:



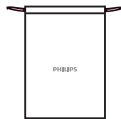
启动电瓶夹



USB充电线



挂钩

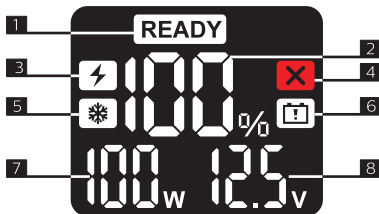


布袋



说明书

2. 显示屏说明



1.READY常亮: 表示设备已准备好, 可正常启动车辆。

READY闪烁:表示电池电量过低, 需要激活BOOST模式。

2.电池电量百分比:电池的电量水平。

3.小电流模式:支持对充电电流要求小的电子设备进行充电, 同时按住电源/BOOST按钮2秒打开此模式。

4.反接指示灯。

5.低温警告:表示产品电池温度低于0℃。

6.汽车电池低压指示灯:汽车电池电压低于12V。

7.输入/输出功率。

8.汽车电池电压。

3. 操作指引

1. 12V汽车启动

注意:

1.建议电池电量高于75%后再启动车辆。

2.确保车辆处于P档, 并关闭所有设备(车头灯、音响等)。

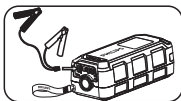
3.确保电池端子无腐蚀。

4.在正确连接汽车电池之前, 不要按BOOST按钮。

5.确保启动夹连接到汽车电瓶正确的电极。

步骤：

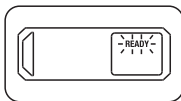
1. 连接启动夹到设备（确保完全插入设备）。
 2. 先连接启动夹红色夹子到汽车电瓶正极，再连接启动夹黑色夹子到汽车电瓶负极。
 3. 如果READY图标常亮，直接启动车辆。
 4. 车辆成功启动后，请尽快从汽车电瓶上取下启动夹，先取黑色夹子，再取红色夹子。
- * 如果显示屏有其他显示，请根据如下表格内容进行操作。



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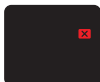


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错误信息



🔊 哔哔声



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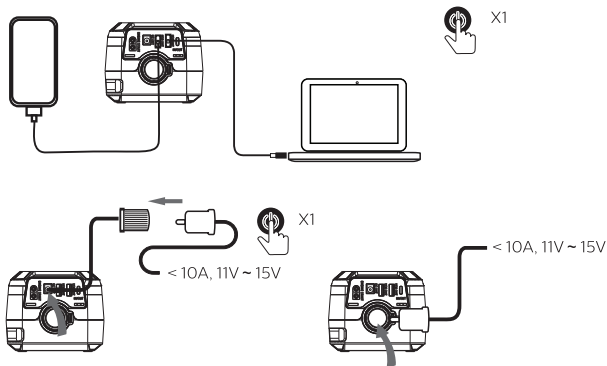
错误信息/原因/解决方法

错误信息	原因	解决办法
✕ + 哔哔声	反向连接	请纠正电瓶夹和汽车电瓶端之间的连接
READY (闪烁) + 哔哔声	车辆电池完全没电	长按“BOOST”2s, 当“READY”图标亮时, 30s内启动车辆
“E1”+ 哔哔声	启动电源的温度太低或太高	将启动电源的温度恢复到0°C ~ 45°C
“E2”+ 哔哔声	过流保护	30秒后恢复正常
“E3”+ 哔哔声	如果主机在 10 分钟内启动车辆超过 4 次, 则进入安全模式。	10分钟恢复正常
“E4”+ 哔哔声	内部电路异常。	请停止使用并联系服务团队。
❄️	电池内部温度低于 32°F/0°C	1. 输出能正常工作。 2. 禁止输入, 请将本机移至室内, 待温度回升后再充电。

2. 如何给手机, 平板电脑和12V电子设备充电

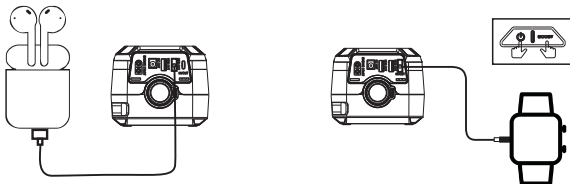
1. 选择合适的充电线。
2. 将充电线连接到设备的输出端口。
3. 按下POWER按键开始给手机, 平板电脑或12V电子产品充电。

* 12V扩展线不包含在产品包装里



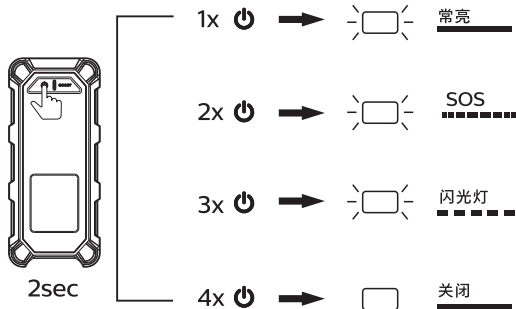
3. 如何给耳机或电子手表等小电流产品充电

1. 选择合适的设备充电线。
2. 连接充电线到设备的输出端口。
3. 同时按住POWER和BOOST按键2秒启动充电。



4. 如何使用LED手电筒功能

1. 按住POWER按键2秒打开LED灯。
 2. LED灯4种显示模式：常亮，SOS，闪光灯，关闭。通过按POWER按键切换不同模式。
- * LED灯会在没有任何操作12小时后自动关闭。



4. 产品参数

容量	216Wh
启动电流	500A
峰值电流	1100A
USB-C 输入/输出	PD100W Max (5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/5A);
USB1 输出	最大18W快充 (5V/3A, 9V/2A, 12V/1.5A)
USB2 输出	5V/2.4A
DC 输出	15V/10A (150W Max) DC点烟口: 15V/10A
放电温度	-20 °C ~ 55 °C / -4 °F ~ 131 °F
充电温度	0 °C ~ 45 °C / 32 °F ~ 113 °F
充电时间	如果使用PD100W快充大约 需要2.5小时

5. 常见问题

Q1: 如何关闭启动电源?

A1: 本设备配有智能省电系统, 无负载时会自动关机。或者你也可以长按电源键10秒强制关机。

Q2: 这款JS7310在一次充满电后可以启动几次汽车?

A2: 2.0L汽油车大约可以启动40次。

Q3: 如果这个启动电源不能启动车辆, 我该怎么办?

A3: 将本电源重新充满电, 在连接夹子与汽车电瓶后按下“BOOST”按钮。屏幕出现READY显示后, 在30秒内可以启动汽车。

6. 警告

01. 使用时请谨慎。
02. 使用前请仔细阅读使用说明书。
03. 本产品只能用于启动12V车辆，禁止在飞机、船舶等设备上使用。
04. 如果电瓶夹或本机有任何损坏，请不要使用。
05. 请勿将其用作汽车电池。
06. 请勿将其用作汽车电池充电器。
07. 启动汽车成功后，请及时将电瓶夹从汽车电池中取出。
08. 请使用配套的电瓶夹和其他配件。
09. 请确保电瓶夹的蓝色端口完全插入启动端口，否则可能会导致蓝色端口熔化。
10. 在使用前，请确保电池连接器是干净的，夹子正确连接。如果电池端子脏污或被腐蚀，会减弱启动性能。
11. 请勿连续使用超过三次，否则可能导致产品过热或损坏。连续使用三次后，最好冷却2分钟。
12. 使用后请在30秒内将产品从汽车电池中取出，否则可能造成损坏。
13. 接通电源时，请勿连接正负极夹子。
14. 使用本产品启动汽车时，请确保电量超过75%。
15. 请将本产品远离儿童。
16. 请勿将其作为玩具玩耍。
17. 请勿弄湿本产品。
18. 请勿将本产品浸入水中。
19. 请勿在爆炸性环境中操作本产品，如有易燃液体、气体或灰尘的情况下。
20. 请勿改装或拆卸本产品。只有专业技术人员才能维修。
21. 请勿将产品置于极热条件或火下。
22. 使用产品前，摘掉佩戴的金属饰品，如戒指，手链，项链。
23. 如果产品受到撞击或损坏，必须由合格的电池技术人员进行测试。
24. 请勿将本产品置于温度超过70°C/158°F的环境中。
25. 请勿在超过45°C/113°F的室温下充电。仅在环境温度介于0°C和45°F之间时充电。
26. 请仅使用随电源包提供的充电器充电。
27. 请勿在主机充电时启动汽车。
28. 如果主机漏液，请立即使用适当的设备进行回收。
29. 在极端条件下，电池可能会漏液。不可用手或者皮肤直接接触漏液，在有接触的情况下，应立即用肥皂和水冲洗。若不慎进入眼睛，请用冷自来水冲洗眼睛至少10分钟，并立即就医。
30. 锂离子电池产品在使用寿命结束后应按照当地法规进行处理。

7. 产品中有毒有害物质或元素的名称及含量

产品名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
多功能汽车应急启动电源	0	0	0	0	0	0

O: 表示该有害物质在该部件所有均质材料中的含量均在2002/95/EC(RoHS)标准规定的限量要求以下。



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