



# DS-MP1741 Mobile UPS

User Manual

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## **User Manual**

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### **About this Manual**

This Manual is applicable to DS-MP1741 Mobile UPS.

The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website (<http://overseas.hikvision.com/en/>).

Please use this user manual under the guidance of professionals.

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## Regulatory Information

### FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**FCC compliance:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

### FCC Conditions

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.

### EU Conformity Statement



This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, the LVD Directive 2014/35/EU, the RoHS Directive 2011/65/EU.






2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: [www.recyclethis.info](http://www.recyclethis.info)



2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: [www.recyclethis.info](http://www.recyclethis.info)

## Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 <b>NOTE</b>	Provides additional information to emphasize or supplement important points of the main text.
 <b>WARNING</b>	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 <b>DANGER</b>	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

# Chapter 1 Introduction

## 1.1 Product Feature

DS-MP1741 Mobile UPS is mainly used to extend the device working time, guarantee the recording is continuous and complete, and guarantee the device can power off normally in the condition that the main power input is cut off. The UPS has the following features.

- Power production

The UPS can eliminate the influence of instant high and low voltage caused by automobile battery, provide power supply of high quality for mobile device, and guarantee the mobile device can power off normally.

- Emergency power supply

The UPS is internally installed with Li-ion battery. It can provide power supply continuously for the mobile device in replace of the automobile battery if the main power input is cut off, reserving time for the mobile device to power off normally to guarantee the recording data integrity.

- Battery detection

The UPS features in battery detection. It can detect the battery is insufficient in voltage or not, convenient to control the UPS status.

## 1.2 Preventive and Cautionary Tips

Confirm the following tips when using the UPS.

- Read the user manual carefully before connecting the UPS. Ensure you have known the preventive and cautionary tips.
- Shut off all the related power supply before installing the UPS.
- The UPS is dedicated electronic equipment. Do not uninstall or install it personally. Do not use it in damp or high temperature environment beyond the standard.
- The UPS should be placed in a well-ventilated environment and prevented from direct sunlight.
- The UPS can only be used after being charged after a certain time period.
- Check and maintain the UPS regularly after use.
- Contact the technical support from Hikvision or authorized dealer if any problem or request during use.

## Chapter 2 Interface and Wiring

### 2.1 Interface Description

Refer to the figure and table below for the UPS interface description.

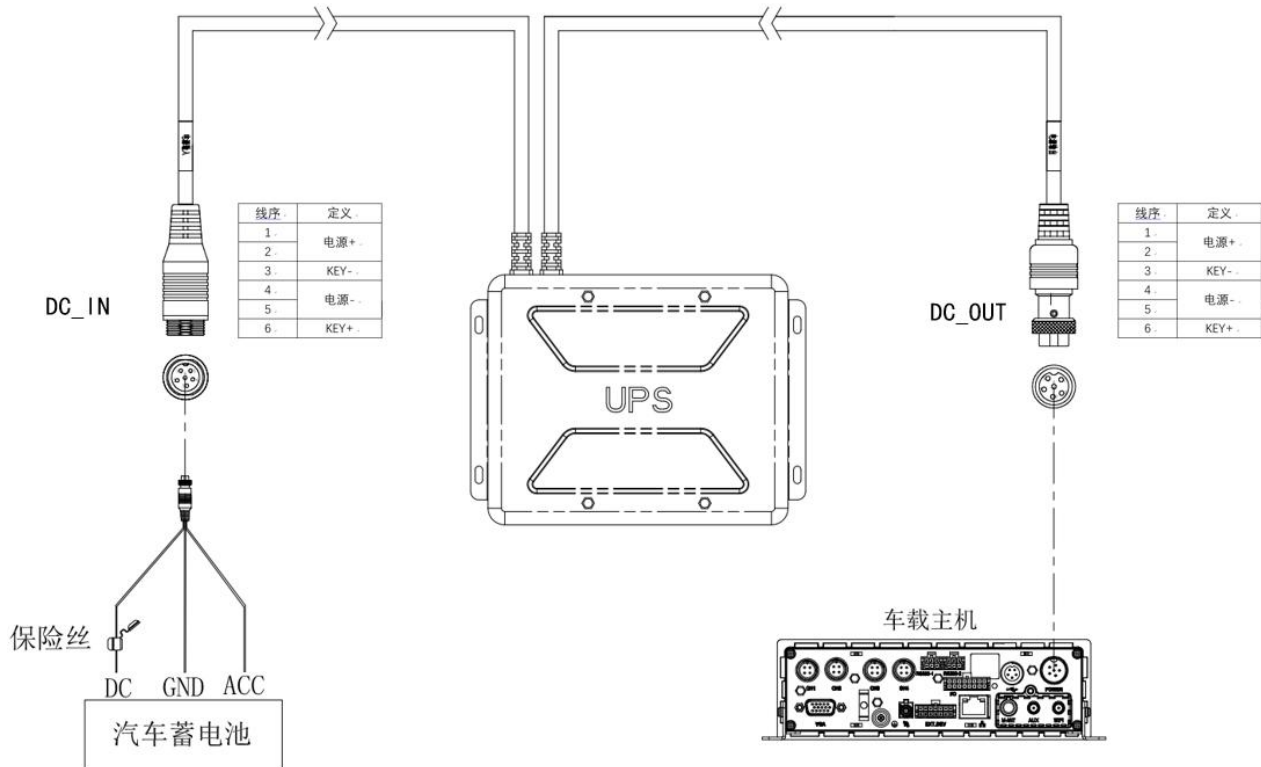


Figure 2-1 UPS Block Diagram

Table 2-1 UPS Interface Description

Interface	Description
DC_IN	Connects to automobile battery and ignition switch to provide power to UPS. 6-pin aviation connector, compatible with the power supply connectors of all series of DVR.
DC_OUT	UPS output. Connects to mobile device. 6-pin aviation connector.

### 2.2 Wiring

Mobile UPS connects to automobile battery and ignition switch via DC\_IN interface, and connects to power supply connector of mobile device via DC\_OUT interface. After the connection, the UPS can continue to provide power supply to mobile device when the connection with automobile battery is cut off. The wiring is shown as below.

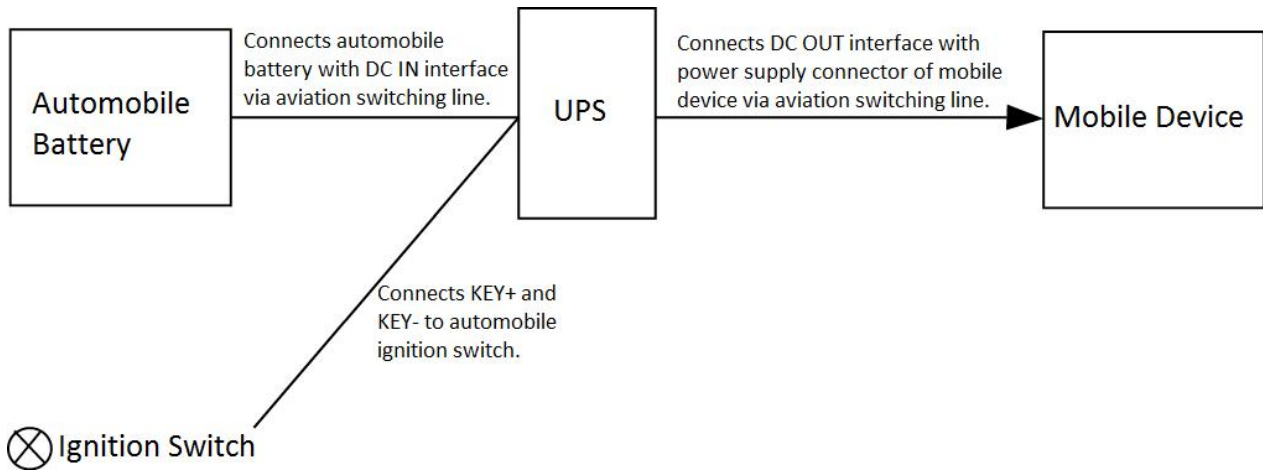


Figure 2-2 UPS Wiring Diagram

## FAQ

### **A1 Why does the mobile device fail to start up after connecting the UPS?**

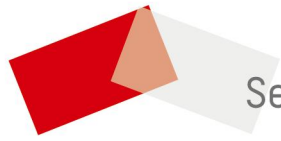
- Disconnect UPS with automobile battery. Press TEST button to check the UPS status. If the battery voltage is enough, check the voltage of the mobile device.

### **A2 Why does the mobile device fail to start up when connecting it during UPS discharge?**

- During UPS discharge, it does not provide power supply to KEY, which results in failed startup of mobile device. Connect the automobile battery to the mobile device to start it up normally, and then connect UPS.

## Appendix A Specification

<b>Model</b>	DS-MP1741
<b>Power Input</b>	DC 12~36V
<b>Power Output</b>	Automobile battery voltage or battery voltage
<b>Indicator</b>	BATTERY (indicates if the battery is out of voltage)
<b>Dimension</b>	201mm×150mm×42.5mm
<b>Charge Temperature</b>	0° C~45° C
<b>Discharge Temperature</b>	-20° C~60° C
<b>Working Humidity</b>	10% to 95%



See Far, Go Further