

ASTRUM A91507-Q

Astrum PB070 Mini UPS Power Bank User Manual

Model: A91507-Q

1. INTRODUCTION

The Astrum PB070 Mini UPS Power Bank is designed to provide an uninterruptible power supply for various electronic devices, ensuring continuous operation during power outages. With a 10400mAh capacity and multiple output options, it serves as a reliable backup power source for Wi-Fi routers, modems, security cameras, smartphones, and other compatible gadgets.

2. PRODUCT OVERVIEW

2.1 Key Features

- **High Capacity Battery:** Equipped with a 10400mAh rechargeable Lithium-Ion battery for extended backup.
- **Multi-Voltage Output:** Provides 5V, 9V, 12V DC outputs, and selectable 15V/24V for Power over Ethernet (PoE) devices.
- **USB Charging Port:** Features a 2A USB port for charging smartphones and other USB-powered devices.
- **Uninterruptible Power Supply (UPS) Function:** Automatically switches to battery power during outages, ensuring seamless operation for connected devices.
- **Intelligent Protection:** Built-in smart IC provides overvoltage, overcharge, electrostatic, short circuit, and temperature protection.
- **LED Indicators:** Displays battery status and operational mode.

2.2 Components and Ports

Familiarize yourself with the various ports and indicators on your Astrum PB070 Mini UPS Power Bank.

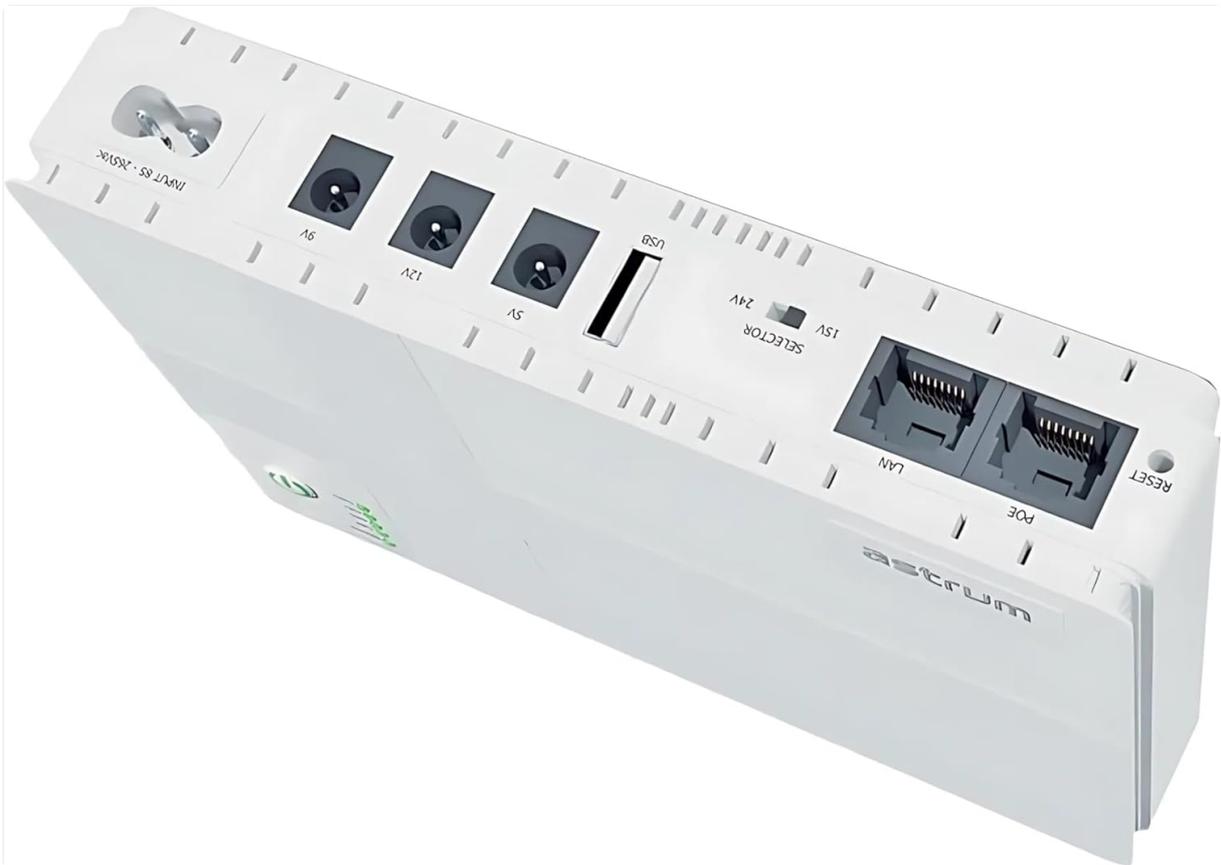


Image: Top-down view of the Astrum PB070 Mini UPS, highlighting the input (85-265V), DC output ports (9V, 12V, 5V), USB port, 15V/24V selector, LAN, POE ports, and Reset button.

- **AC Input (85-265V):** Connect the power adapter to charge the UPS and provide pass-through power.
- **DC Output Ports (5V, 9V, 12V):** For connecting devices requiring specific DC voltages.
- **USB Output Port:** Standard USB port for charging mobile devices.
- **Voltage Selector (15V/24V):** Switch to select the output voltage for the POE port.
- **LAN/POE Ports:** For connecting network devices, with POE providing power over Ethernet.
- **Reset Button:** Used to reset the device if necessary.
- **LED Indicators:** Display power status, battery charge level, and selected voltage.



Image: Illustrates key features of the Astrum PB070, including 18W output, USB port, LED indicators, 10400mAh capacity, and its function as a UPS backup battery.

3. SETUP INSTRUCTIONS

3.1 Initial Charging

1. Connect the provided AC power adapter to the 'INPUT 85-265V' port on the Astrum PB070.
2. Plug the AC power adapter into a wall outlet.
3. The LED indicators will illuminate to show the charging status. Allow approximately 6 hours for a full charge before first use.

3.2 Connecting Devices

The Astrum PB070 supports various devices. Ensure you select the correct voltage and port for your device.



Image: Demonstrates the Astrum PB070 providing backup power to a Wi-Fi router and a security camera, highlighting its application for essential home and office electronics.

1. For DC-powered devices (e.g., routers, modems):

- Identify the voltage requirement of your device (e.g., 5V, 9V, 12V).
- Select the corresponding DC output port on the PB070.
- Use the appropriate DC cable (often included with the UPS or your device) to connect the PB070 to your device.

2. For PoE-powered devices (e.g., some IP cameras, VoIP phones):

- Determine if your device requires 15V or 24V PoE.
- Set the 'SELECTOR' switch to the correct voltage (15V or 24V).
- Connect an Ethernet cable from the PB070's 'POE' port to your PoE-compatible device.

3. For USB-powered devices (e.g., smartphones, tablets):

- Connect your device's USB charging cable to the 'USB' port on the PB070.

Important: Always verify the voltage requirements of your devices before connecting them to the Astrum PB070 to prevent damage.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- To power on the device, press the power button. The LED indicators will light up.
- To power off, press and hold the power button until the LEDs turn off.

4.2 UPS Functionality

When the Astrum PB070 is connected to both an AC power source and your devices, it acts as an uninterruptible power supply.

- Under normal conditions, the PB070 will pass AC power through to your devices while simultaneously charging its internal battery.
- In the event of a power outage, the PB070 will automatically switch to its internal battery power, providing continuous power to your connected devices without interruption.
- When AC power is restored, the PB070 will seamlessly switch back to AC power and resume charging its battery.

4.3 LED Indicators

The LED indicators provide visual feedback on the device's status:

- **Power LED:** Indicates if the unit is powered on.
- **Battery Level LEDs:** Show the remaining battery capacity (e.g., 25%, 50%, 75%, 100%).
- **Charging LED:** Illuminates when the unit is charging.
- **Voltage Selector LED:** Indicates the currently selected voltage for the POE port (15V or 24V).

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Astrum PB070 Mini UPS Power Bank.

- **Battery Care:** To prolong battery life, avoid completely discharging the unit frequently. Recharge the unit fully at least once every three months if not in regular use.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or abrasive materials.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the battery is partially charged (around 50-75%) before long-term storage.
- **Ventilation:** Ensure the ventilation slots are not blocked to prevent overheating.

6. TROUBLESHOOTING

If you encounter issues with your Astrum PB070, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device not powering on.	Battery fully discharged; Power button not pressed correctly.	Connect to AC power and charge for several hours. Press and hold the power button firmly.
Connected device not receiving power.	Incorrect voltage selected; Loose cable connection; Device not compatible.	Verify device voltage and adjust PB070 selector. Ensure cables are securely connected. Check device compatibility.
Short backup time.	Battery not fully charged; High power consumption of connected devices; Battery degradation.	Ensure full charge before use. Reduce number of connected devices. Battery life naturally decreases over time.
LED indicators not working.	Unit is off; Malfunction.	Power on the unit. If still not working, contact support.

If the problem persists after trying these solutions, please contact Astrum customer support.

7. SPECIFICATIONS

Feature	Specification
Model Number	A91507-Q
Battery Capacity	10400mAh
Battery Type	Lithium Ion
AC Input	85-265V
DC Output	5V, 9V, 12V
PoE Output	15V / 24V (selectable)
USB Output	5V 2A
Charging Time	Approximately 6 hours
Dimensions (L x W x H)	160D x 32W x 105H centimetres
Weight	0.37 Kilograms
Material	Plastic

8. WARRANTY AND SUPPORT

8.1 Limited Warranty

The Astrum PB070 Mini UPS Power Bank comes with a **12 Months Limited Warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or natural disasters.

8.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your Astrum PB070, please contact Astrum customer support through their official website or the retailer where the product was purchased. Please have your model number (A91507-Q) and proof of purchase ready when contacting support.