

AstroAI

EN



USER MANUAL

PORTABLE CAR AIR PUMP

AIRUN H2 Pro

ENGLISH

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INTRODUCTION

Thank you for purchasing the AstroAI 150PSI Portable Car Air Pump.

This product features two power options: a lithium battery and a DC supply, providing you with unmatched versatility. It also features a digital display and programmable air pump that allows real-time tire pressure monitoring during operation. Once the preset pressure is reached, the air pump will automatically shut off. For optimal performance and safety, please read and follow all the instructions before operating the equipment. We hope you enjoy your new Portable Car Air Pump!

Thank you again for choosing AstroAI. If you have any questions or concerns about the product, please contact us at support@astroai.com.



Please fully read and understand this manual before using this product. Keep this manual for future reference.

WARNING

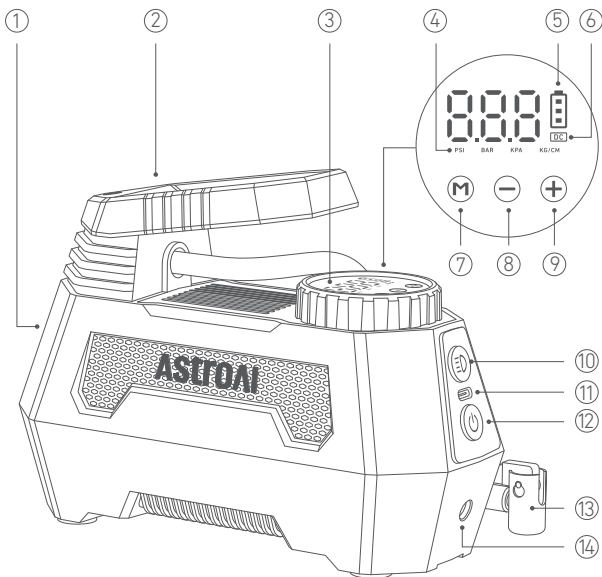
- Please read the instructions carefully before use. Incorrect use may damage the product.
- Please check the preset pressure value before use. The preset pressure value should match the object to be inflated.
- PSI, KPA, BAR, and KG/CM² are units of pressure, not pressure levels.
- Do not use this product in the rain or where liquids are present.
- This product contains small parts that may pose a choking hazard to young children; do not allow children to use it.
- Do not point the nozzle at any part of the human body.
- Do not connect the product to a DC power source while it is charging.
- Do not use the product while it is charging.
- There is a risk of electric shock if the air pump is damaged or if its wires are exposed; if either of these occur, do not use it.
- Keep the device away from fire, corrosive gases, liquids, and strong magnetic fields.
- Do not store the air pump in high-temperature or humid environments.
- Do not power this device with a 24V car power supply. Connect the air pump to a DC 12V, 15A cigarette lighter socket.
- After prolonged use, allow the air pump to rest for at least 10 minutes before using it again.

- When not in use, disconnect all power sources from the air pump.
- The air pump will heat up during use and remain hot for some time afterward; except for the switch and handle, do not touch other parts of the air pump while it is hot.
- The quick connector is compatible with all standard Schrader Valves, making it suitable for inflating tires of cars, SUVs, motorcycles, and bicycles. Included accessories are suitable for inflating swimming rings, basketballs, footballs, etc.; not for large-capacity items.
- Do not use harsh chemicals to clean the air pump. Clean its plastic parts using mild soap and a cloth dipped in warm water.

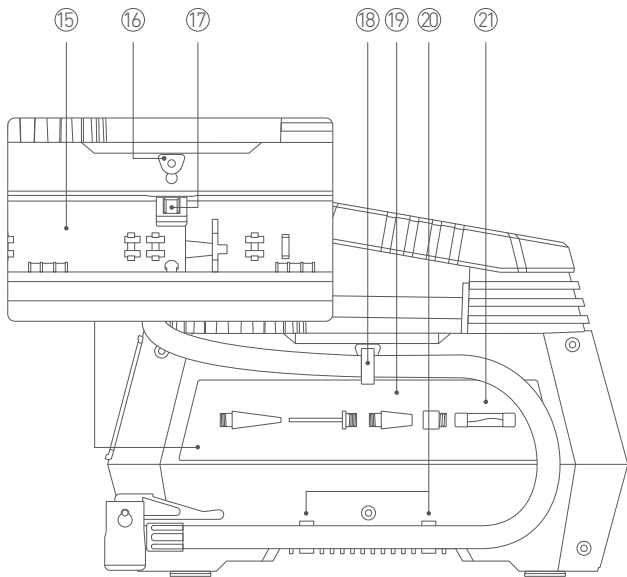
PACKAGE INCLUDES

AstroAI Air Pump	× 1	User Manual	× 1
Air Nozzles	× 2	DC 12V Power Cord	× 1
Needle Valve Adapter	× 1	Data Cable	× 1
Presta to Schrader Adapter	× 1	Storage Bag	× 1
Replacement Fuse	× 1		

DIAGRAM



- | | | |
|----------------------|---------------------|------------------------|
| ① LED Light | ⑥ DC Status Icon | ⑪ Type-C Charging Port |
| ② Handle | ⑦ M Button | ⑫ Power Button |
| ③ Screen | ⑧ "-" Button | ⑬ Quick Connector |
| ④ Unit | ⑨ "+" Button | ⑭ DC Cable Port |
| ⑤ Battery Level Icon | ⑩ Flashlight Button | |



⑮ Accessory Storage Slot

⑲ Accessory Compartment

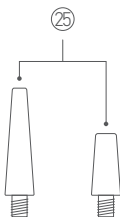
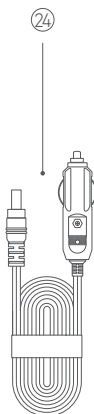
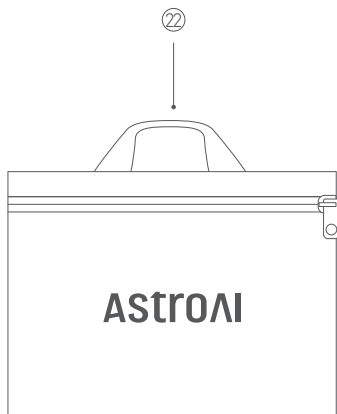
⑯ Rubber Clip Position

⑳ Storage Slot

⑰ Compartment Door Latch

㉑ Accessory Silk Screen Mark

⑱ Rubber Clasp



②② Storage Bag

②③ USB Data Cable

②④ DC 12V Power Cord

②⑤ 2 × Air Nozzles

②⑥ Needle Valve Adapter

②⑦ Replacement Fuse

②⑧ Presta-to-Schrader Adapter

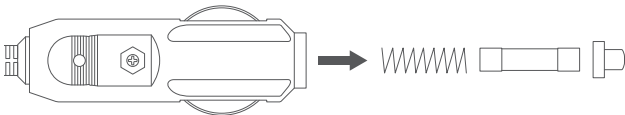
HIGHLIGHTS

- **Automatic Shutoff:** The air pump automatically shuts off when the preset pressure is reached.
- **LED Digital Display:** Provides accurate measurements. Easy to operate, read, and understand.
- **Longer Power Cord:** A 9.8ft (3m) power cord easily reaches the rear tires of a car.
- **Portable Design:** Easy to carry and store in a vehicle.
- **Two Power Options:** DC 12V and lithium battery.
- **Integrated Accessory Storage:** A compartment that neatly organizes all accessories.

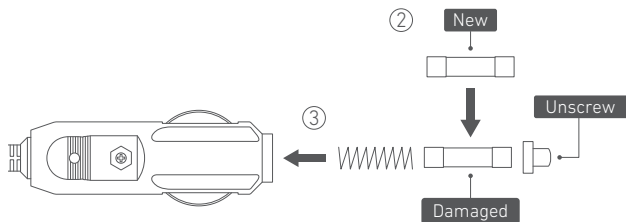
PREPARATION

Replacing the Cigarette Lighter Fuse

1. Unscrew the nut on the cigarette lighter.

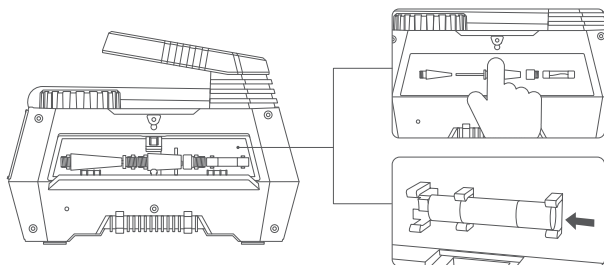


2. Remove the fuse inside and replace it with a new 15A fuse.
3. Assemble the parts in order, then tighten the nut.



Accessory Storage

1. Press the compartment door latch to open the door.
2. Accessories are neatly stored in the compartment, easily and quickly accessible when needed.

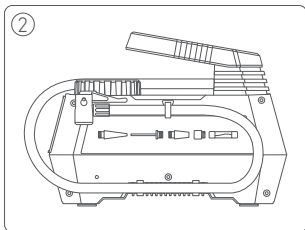
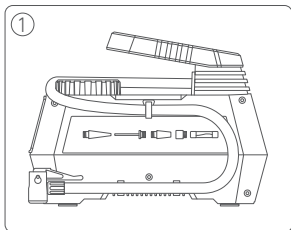


Note: If the fuse is stuck in its slot, do not forcefully remove it. Instead, gently slide the fuse to the left for easy removal.

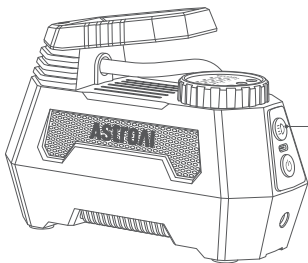
3. After using the accessories, store them and close the compartment door.

Hose Storage

Move the rubber buckles to their appropriate position on the quick connector hose. Bend the hose and position the rubber buckles so that they fit into their slots. To complete the storage process, fasten the hose to the bottom of the two storage slots.



Flashlight Control



First, press and hold the LED ON/OFF Button to turn it on.

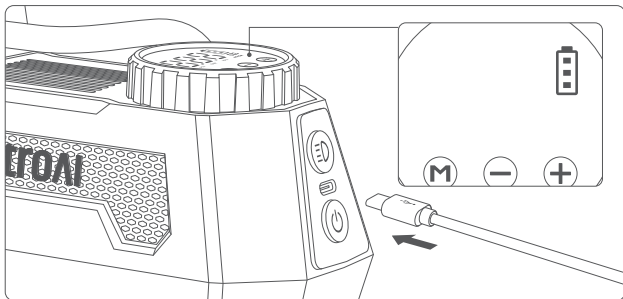
Press the LED ON/OFF Button a second time; the light will flicker slowly.

Press ON/OFF of the LED light for a third time; it will flicker quickly.

Finally, press the button a fourth time to turn it off.

Charging

Please use the included USB data cable to charge the product; the screen will display the charging status. While charging, the battery icon will flash; it will stay lit when fully charged.



Note:

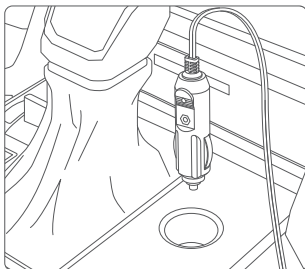
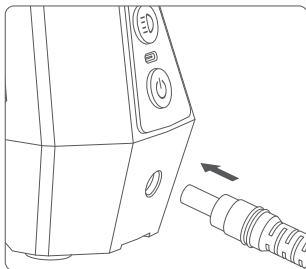
- Power adapter not included, please purchase separately.
- Do not use this product while it's in charging mode, or while its DC cord is plugged in.
- The DC power cord cannot be used to charge the product.
- Do not charge an overheated product. Wait for it to cool before charging.

USAGE INSTRUCTIONS

1. Power selection:

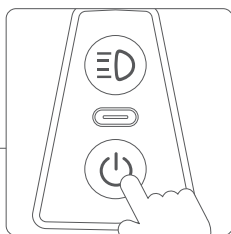
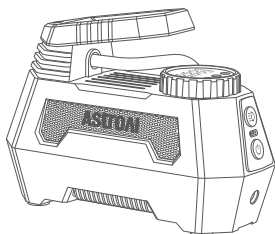
- Using lithium battery:** Charge the product before use to ensure the battery is fully charged.

- b. **Using DC power:** Firmly insert the cigarette lighter power cable into the product's DC power socket; Ensure the car's engine is running, and secure the connection to the car's 12V power socket.

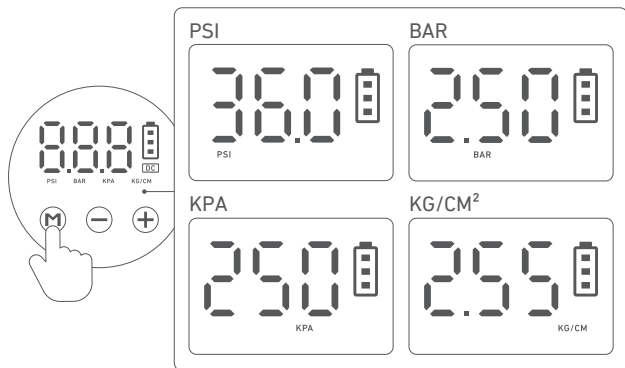


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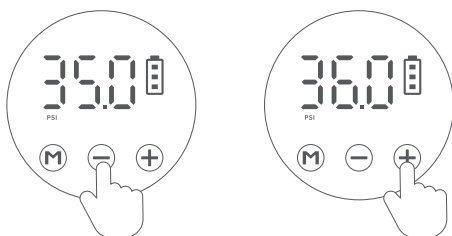
- If the pump is connected to a DC power source, it will default to using DC power.
 - In lithium battery mode, the product automatically shuts off after 90 seconds of inactivity.
2. Press and hold the Power Button to turn the pump on, the screen will illuminate; while powered on, you can long press the Power Button again to turn off the pump.



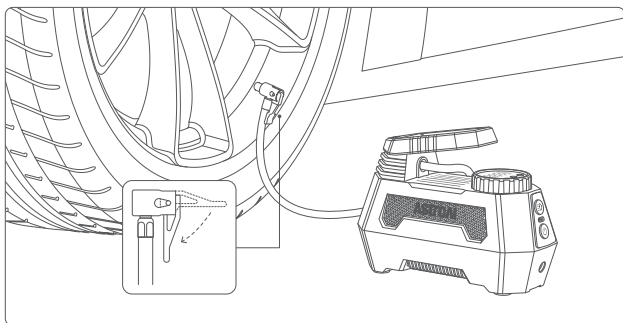
3. Press the "M" Button to set the desired pressure unit
(4 options: KPA, PSI, BAR, KG/CM²).



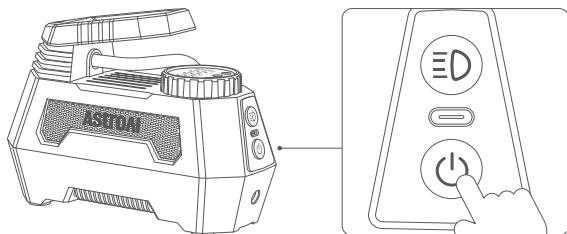
4. Use the "+" and "-" buttons to set the pressure value, or hold them down for quick setting. After selecting the pressure value, it will blink three times and be set.



5. Remove the valve cap from the tire valve stem, then connect the quick connector to the valve stem; the screen will display the real-time pressure of the object being measured.



6. Briefly press the Power Button to start the product. It will automatically stop upon reaching the preset value; press the Power Button again at any time to stop it.



7. After inflation, remove the quick connector from the tire valve stem and screw the valve cap back onto it. Then, properly store the product.

TROUBLESHOOTING/FAQ

The Air Pump Does Not Inflate

- Ensure the fuse is correctly inserted, replace the fuse if necessary.
- Check the fuse in the car's cigarette lighter; it should be rated at 15A or higher.
- Ensure that the power cord and the car's 12V socket are securely connected.
- When using lithium battery power, ensure the battery has enough charge to complete the desired job.
- If the preset tire pressure is lower than the current tire pressure, increase the preset to the manufacturer-recommended level.

Air Pump Operation is Abnormal

- The quick connector is not properly attached to the tire's valve stem.
- The 12V socket connection is not secure.
- When using lithium battery power, the battery charge is too low.
- If the preset tire pressure is lower than the current tire pressure, increase the preset to the manufacturer-recommended level.

Inflation Speed Reduced

- The quick connector is not correctly connected to the tire's valve stem.
- When using lithium battery power, the battery charge is too low.
- Excessive use can reduce the inflation speed of the air pump; allow it to cool for 10 minutes.

Air Leaking at Hose Joint

Ensure a secure connection between the quick connector and the tire valve stem.

Pressure Out of Range

Code: E1

Problems: When the pressure of the connected tire exceeds 150PSI, the screen cannot display the current pressure value; it will display the "E1" code.

Solutions: It will return to normal status when the tire pressure is below 150PSI.

Instantaneous Current Protection

Code: E2

Problems: The instantaneous starting current exceeds the preset limit, triggering the protection mechanism and displaying error code "E2" on the screen.

Solutions: Wait a few seconds before restarting, it will function normally again.

Overvoltage Protection

Code: E3

Problems: In DC mode, if the connected voltage is too high, overvoltage protection will be triggered and the screen will display error code "E3".

Solutions: Wait until the pressure becomes normal.

Dual Power Supply Safety Protection

Code: E4

Problems: When a DC power supply is connected to the device while it is charging (with power on), the product will become non-functional, displaying error code "E4" on the screen.

Solutions: It will function normally after removing one power supply status.

Undervoltage Protection

Problems: In DC mode, if the connected voltage is too low, undervoltage protection will be triggered and the screen will go black.

Solutions: It will function normally after returning to the normal pressure.

High -Temperature Protection During Discharging

Problems: The air pump stops operating and the motor automatically shuts off during inflation when the battery temperature becomes excessively high.

Solutions: Place the product in an ambient temperature environment. Once it returns to normal temperature, restart it manually.

High - Temperature Protection During Charging

Problems: If the battery cell temperature becomes too high, the product will trigger its charging protection. While this protection is active, the device cannot be charged (but the charging indicator may keep flickering).

Solutions: Place the product in an ambient temperature environment. Once the temperature returns to normal, the temperature protection function will turn off; after this, you will be able to charge the device as normal. Recommended charging temperature: 32-104°F (0-40°C)

Low - Temperature Protection During Charging

Problems: If the battery cell temperature drops too low, the product will activate its charging protection. While this protection is active, the device cannot be charged (but the charging indicator may continue to flash).

Solutions: Place the product in an ambient temperature environment. Once the temperature returns to normal, the temperature protection function will turn off; after this, you will be able to charge the device as normal. Recommended charging temperature: 32-104°F (0-40°C)

SPECIFICATIONS

Model	AIRUN H2 Pro
Working Voltage	DC 12V
Maximum Current	10A
Rated Power	120W
Inflation Speed	23L/Min
Maximum Working Pressure	150PSI
Display Units	PSI, Bar, kPa, kg/cm ²
Maximum Working Time in DC Mode	60-Min Maximum
Battery Capacity	11.1V 2000mAh
Type-C Input	5V = 2A
Battery Life	18Mins
Inflation Hose Length	2.13ft (0.65m)
Power Cord Length	9.8ft (3m)
Data Cable Length	3.3ft (1m)
Product Size	8.1 × 5.9 × 3.7in (206 × 150 × 94mm)
Use Temperature	32-113°F (0-45°C)
Charging Temperature	32-104°F (0-40°C)

RECYCLING

You may dispose of the product when its service life has ended, please recycle the recyclable parts according to local guidelines.

WARRANTY PERIOD

AstroAI offers a 2-year warranty on this product.

Each AstroAI portable car air pump is free from material and workmanship defects. The warranty does not cover the damages caused by neglect, misuse, pollution, alternatio, accident, abnormal operation, or processing. The warranty applies to the original purchaser only and shall not be transferred.

AstroAI strives to provide our customers with excellent products and customer service.

If you have any questions or concerns, please contact us via support@astroai.com. We are happy to help!

FCC STATEMENT

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.

Web: www.astroai.com

E-Mail: support@astroai.com

AstroAI

V3.0.0