



Powerology

**8800mAh Jump Start
Air Compressor**

SKU: PPBCHA47

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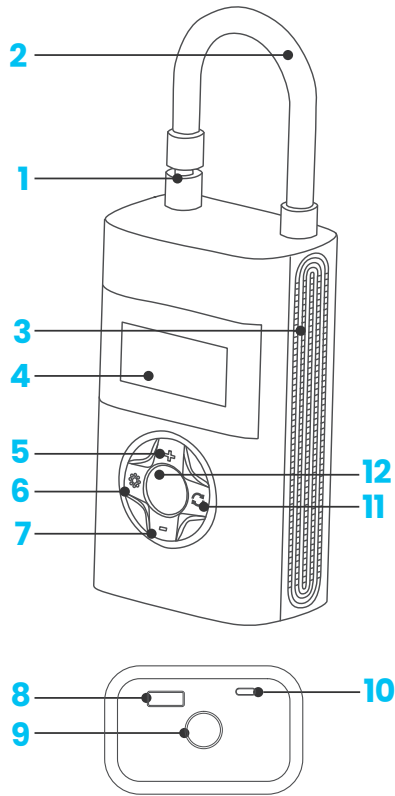
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Safety Precautions

1. Please review this manual thoroughly before utilizing the product and keep it for future reference.
2. The device operates at sound levels exceeding 75dB. We recommend using hearing protection to mitigate risk during operation.
3. Continuous operation may lead to increased temperatures of both the device and its components. Ensure adequate cooling time before reusing.
4. Keep the device out of children's reach.
5. Avoid exposure to rain, snow, moisture, or fire hazards.
6. Do not operate the device if it has sustained significant impact, been dropped, or appears damaged in any way. Consult a qualified service technician for evaluation and repair.
7. Do not disassemble the device. Improper reassembly may lead to risks of electric shock or fire.
8. Avoid using the device underwater or submerging it in water.
9. Misuse Warning: Misuse may result in injury from escaping gases, liquids, or explosions.
10. Adhere strictly to these guidelines to guarantee safe and effective operation of the product.

Schematic View

- | | |
|------------------------|--------------------------|
| 1. American Air Nozzle | 7. "-" Button |
| 2. Tube | 8. USB Output |
| 3. Heat Emission Holes | 9. LED Light |
| 4. LED Display | 10. USB-C Charging Input |
| 5. "+" Button | 11. Mode Button |
| 6. Light Button | 12. Start/stop Button |



Package Contents

Air Compressor

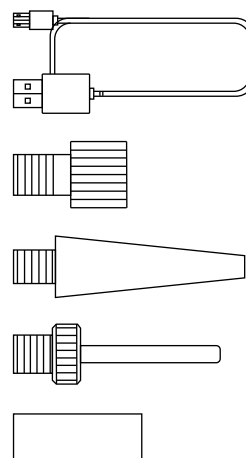
Charging Cord

French Air Nozzle Adapter

Long Air Needle

Ball Air Needle

PE Bag



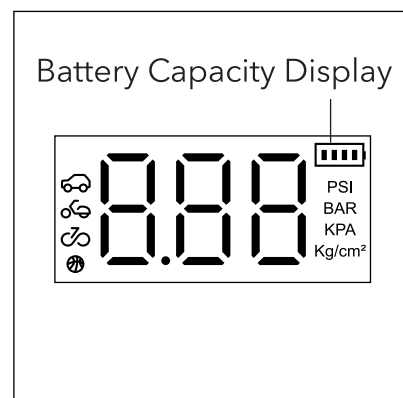
Operation Instructions

[A] Battery Indicator

Battery Capacity Display

The length of the power indicator reflects the remaining battery charge:

1. Four bars indicate 100% battery power.
2. Three bars indicate 75% battery power.
3. One bar signifies less than 25% battery power. In this case, charge the device promptly.



Charging Instructions

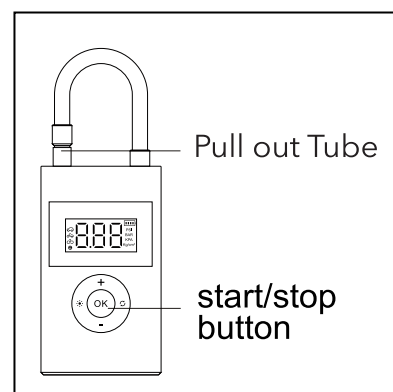
Prior to initial use, ensure the device is fully charged. Connect the device to a 5V USB charger using the provided charging cable.

Note: The adapter is not included in the package.

Indicator Light

1. Flashing light: Charging is currently underway.
2. Four bars are turned on: Charging is complete.

Note: The device cannot be operated while it is charging.



[B] Power On/Off

To Start

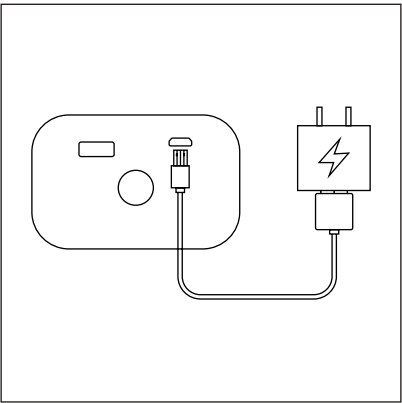
- 1. Pull out the tube.
- 2. Hold the Start/Stop button for three seconds to activate.

To Stop (Power Off)

When the device is on, hold the Start/Stop button for three seconds to power off.

Restart

To restart the device after extending the tube, press and hold the Start/Stop button.



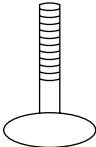

Connecting the Air Nozzle

American Air Nozzle

The American air nozzle is provided for use with mountain bikes, electric bikes, motorcycles, and cars.

Inflation: Attach the American air nozzle directly to the device to inflate.

Deflation: To release gas, employ a suitable tool to depress the gas needle within the nozzle.

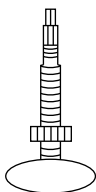

| Type | Connector |
|---|---|
|  |  |

French Air Nozzle Adapter

For road bikes and specific mountain bikes, the French air nozzle adapter is essential.

Inflation:

- 1. Attach the French air nozzle by screwing it onto the tire valve.

| Type | Connector |
|---|---|
|  |  |

2. Connect it to the air supply for inflation.
3. After inflating, secure the connection by tightening the screw on the tire valve.

Deflation: To deflate, unscrew the French air nozzle and press the valve stem to release air.


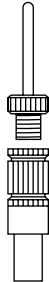
Air Needle

Utilize the air needle for inflating items such as basketballs, footballs, or other types of balls.

Inflation:

1. Secure the air needle to the American air nozzle.
2. Insert the needle into the inflation port of the ball.

Deflation: For deflation, directly insert the air needle into the ball's air hole.

| Type | Connector |
|---|---|
|  |  |

Air Pressure Detection

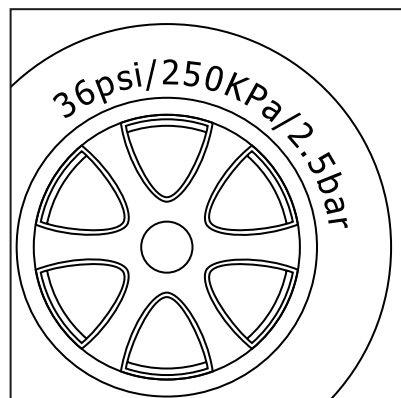
Upon powering on the device, connect the tube to a tire or ball intended for inflation. The display will then show the current air pressure.

Checking Air Pressure

Important Note: For safety, consult the instruction manual of your car, bike, or basketball to ascertain the recommended inflation pressure prior to inflating. This precaution helps prevent personal injury from overinflation.

[A] Tires

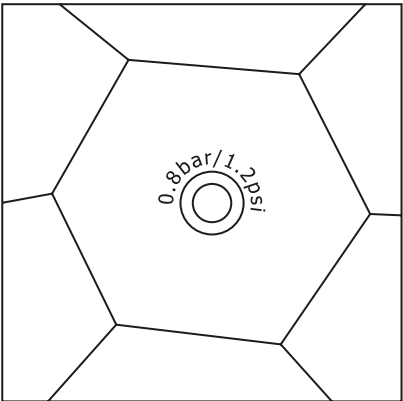
The pressure range for automobile, bicycle, and motorcycle tires is indicated on the tire's sidewall. For automobiles, the recommended tire pressure



is typically located near the inner wall of the driver's side door. Keep in mind that inflation pressure depends on the vehicle's load weight, so consult the car manual for detailed instructions.

[B] Balls

The inflation pressure for footballs, basketballs, volleyballs, and other inflatable balls is typically indicated near the air valve on the ball itself.



Recommended Pressure Table

| Object | Category | Pressure |
|------------|--|-------------|
| Bicycle | Bicycle, Electrical bicycle tire | 45-50psi |
| | 12 ,14 ,16 inch bicycle tire | 30-50psi |
| | 20 ,22 ,24 inch bicycle tire | 40-50psi |
| | 26 ,27.5 ,29 inch mountain bike tire | 45-65psi |
| | Electric Scooter Tire | 45-50psi |
| | 700C Clincher Bicycle Tire | 100-130psi |
| Motorcycle | Motorcycle or Electronic Motorcycle Tire | 1.8-3.0 bar |
| Car | Car tire | 2.2-2.8 bar |
| Balls | Basketball | 7-9 psi |
| | Soccer Ball | 8-16 psi |
| | Volleyball | 4-5 psi |
| | Rugby Ball | 12-14 psi |

Note: The recommended pressure range is provided as a reference only. Always refer to the instruction manual of the specific product being inflated to ensure proper inflation guidelines are followed.

Inflation Modes

Mode Switch

1. Press the "Mode" button to cycle through the five available modes.
2. To select your preferred air pressure units, press and hold the "Mode" button to toggle between "PSI", "BAR", "KPA", and "Kg/cm²".

[1] Zero Mode:

Adjustable pressure range from 3 to 150 psi.

[2] Bicycle Mode:

Default: 45 psi.

Adjustable Range: 30 to 65 psi.

[3] Motorcycle Mode:

Default: 2.4 bar.

Adjustable Range: 1.8 to 3.0 bar.

[4] Car Mode:

Default: 2.5 bar.

Adjustable Range: 1.8 to 3.5 bar.

[5] Ball Mode:

Default: 8 psi.

Adjustable Range: 4 to 16 psi.

Default Value Adjustment

Once the desired mode is selected, briefly press the "+" or "-" buttons to adjust the preset pressure value. For quicker changes, press and hold either the "+" or "-" button. The flashing number indicates the adjustable preset pressure, while the non-flashing number displays the current real-time pressure.

LED Light Guide

1. Press the "LED Light" button to switch the light on or off.
2. The light is designed to aid in nozzle attachment and other tasks in low-light environments.

Inflation Instructions

[A] Start Inflating

1. Press the "Power" button after selecting the desired mode.
2. The LED display will indicate the current air pressure.

Caution: During inflation, the device produces noise (approximately 75dB). Avoid contact with the tube as it may become hot after extended use.

[B] Stop Inflating

1. The device will automatically stop inflating when the air pressure reaches the preset value.
2. To stop the inflation manually, press the "Start/Stop" button during the process.

[C] Important Reminder

1. Use caution when inflating smaller items like balloons, toy balls, or swimming rings, as their maximum pressure is lower than the device's range.
2. Manually stop inflation once the target pressure is reached, as the device will not automatically stop for such products.

[D] Battery and Standby

When fully charged, the device can operate continuously for approximately 25 minutes without load at 25°C.

Note: The device's operating time decreases with increased pressure demands and lower temperatures.

Removing the Nozzle

Be aware that the air pipe may be hot following inflation. Exercise caution when detaching the air nozzle. Expect minor air leakage during removal. Promptly remove the nozzle to reduce air loss.

Switch Off

Return the tube to its storage position and power off the device. When the air compressor is on, press and hold the Start/Stop button to turn it off manually, or the device will automatically shut down after 30 seconds of inactivity.

Specifications

| | |
|-----------------------|----------------------------------|
| Battery Capacity | 8800mAh (2200mAh*4) |
| USB-C Input | 5V/2A, 9V/2A, 12V/1.8A, PD 20W |
| USB-A Output | 5V/2A, 9V/2A, 12V/1.8A, 21.6W |
| Recharge Time | 2H |
| Inflation Pressure | 4PSI (Minimum), 150PSI (Maximum) |
| Pressure Accuracy | ±0.1 Bar |
| Inflation Speed | 31.4L/Min |
| Jump Start Car Volume | 5L Petrol, 3L Diesel |
| Start Current | 500A |
| Peak Current | 1000A |
| Working Temperature | -20 to 50°C |
| Product Weight | 740g |
| Product Dimension | 41×157×136mm |

Troubleshooting

| Problem | Solution |
|--|---|
| Slow inflation speed | <ol style="list-style-type: none">1. Ensure the battery is fully charged.2. Check for any air leakage in the air tube.3. Inspect the inflated object for potential air leaks.4. Verify that all connections at both ends of the tube are securely tightened. |
| Not inflating | <ol style="list-style-type: none">1. Confirm that the tube is fully extended, as inflation can only begin with the tube pulled out.2. Ensure the battery is fully charged.3. Check if the current tire pressure exceeds the preset default pressure. |
| Unable to increase or decrease the default pressure | Verify if the incorrect inflation mode is selected, or choose the zero mode and adjust the pressure within the allowed range of 3 to 150 psi. |
| Pressure reading is zero during inflation | Low-pressure inflatable items, such as balloons, may be outside the measurable range of the air compressor. |
| Device automatically shuts down after the air nozzle is attached | Press and hold the start/stop button to restart the device. |
| Air leakage | Ensure the nozzle is tightened securely. |
| Device will not charge | <ol style="list-style-type: none">1. Check that the charging cable is properly connected.2. If the battery has been uncharged for an extended period, it may require some time on charge before the charging status is displayed. |

Disposal

This symbol on the product or within the instructions indicates that your electrical and electronic equipment should be disposed of separately from household waste at the end of its life.



Notes for Battery Disposal:

The batteries used in this product contain chemicals that are harmful to the environment. To protect the environment, dispose of used batteries according to local laws or regulations. Batteries should not be discarded with regular household waste. For more information, please contact local authorities.

Warranty

Products that you buy directly from our **Powerology** website or shop come with a 24-month warranty.

The 24-month warranty applies to products purchased directly from our **Powerology** website or store. If **Powerology** products are bought from any of our verified retailers, then the product is eligible for only a 12-month warranty. To extend your product's warranty, visit our website **powerology.me/warranty** and fill in your details in the provided form along with an uploaded picture of the product to process your request. Once approved, you will receive a confirmation email of the extended product warranty. Upload the required information within 48 hours of purchase to be eligible for a 24-month warranty period.

For more info, please check:
powerology.me/warranty

Contact Us

If you have any questions about this Privacy Policy, please contact us at: **hey@powerology.me**

Website: **powerology.me**

Instagram: **[powerology_official](https://www.instagram.com/powerology_official)**

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