

Model: AP1-P

1. Overview



The Pumteck Electric Ball Pump is a portable, rechargeable air pump designed for inflating sports balls. It features an automatic stop function, a digital pressure gauge with an LCD display, and a compact design.

This manual provides instructions for setup, operation, and maintenance.

2. Package Contents

- 1x Smart Ball Pump (Main Unit)
- 1x 10 cm Air Hose
- 2x Ball Needles
- 1x Type-C Charging Cable
- 1x Waterproof Storage Bag
- 1x User Manual (this document)



3. Product Features & Specifications

3.1 Key Features

- **Automatic Pressure Detection & Stop:** Inflates to a preset PSI and stops automatically.

- **Digital LCD Display & Gauge:** Shows target and current pressure. Allows pressure setting in 0.1 PSI increments.
- **Fast Inflation:** Air volume of 4 liters per minute (4L/M). Inflates a ball in 1-2 minutes.
- **Portable Design:** Dimensions: 6.29" x 1.57" x 1.57". Weight: 0.55 lb (0.25 kg).
- **Rechargeable Battery:** 2000 mAh capacity. Can inflate approximately 30 balls on a full charge. Charging time: about 2 hours via Type-C cable.
- **LED Work Light:** Illuminates the work area in low-light conditions.
- **Memory Function:** Remembers the last used pressure setting.

3.2 Technical Specifications

Specification	Detail
Maximum Pressure	15 PSI
Air Flow	4 Liters Per Minute
Battery	Rechargeable 2000 mAh, 3.7V
Charging Input	DC 5V 1A (Max), Type-C Port
Material	Aluminum
Power Source	Corded Electric (for charging) / Rechargeable Battery
Operation Mode	Manual (User sets pressure)

4. Control Panel & Components



Identify the following parts on your pump:

- **A. LCD Display:** Shows the target pressure (PSI) and operational status.
- **B. '+' and '-' Buttons:** Used to increase or decrease the target pressure setting.

- **C. Power Switch:** Sliding switch to turn the pump on and start inflation.
- **D. Air Outlet:** Connection point for the air hose or needle.
- **E. Type-C Charging Port:** For connecting the included charging cable.
- **F. LED Work Light:** Located near the air outlet.

5. Initial Setup & Charging

1. Before first use, fully charge the pump.
 - Connect the provided Type-C cable to the pump's charging port.
 - Connect the other end to a standard USB power adapter (5V 1A) or computer USB port.
 - The pump does not have a charging indicator light. A full charge takes approximately 2 hours.
2. Familiarize yourself with the included accessories: air hose and two ball needles.

Note: It is recommended to charge the pump before storage if it will not be used for an extended period.

6. How to Use

6.1 Connecting to a Ball

You can connect the pump to a ball using one of two methods:

Method A (Using Air Hose):

1. Screw one end of the 10 cm air hose onto the pump's air outlet.
2. Insert a ball needle into the other end of the hose.
3. Firmly insert the needle into the ball's inflation valve.

Method B (Direct Connection):

1. Screw a ball needle directly onto the pump's air outlet.
2. Firmly insert the needle into the ball's inflation valve.

Tip: Before inflation, check all connections for air leaks. If you hear hissing, reseal the connections.

6.2 Setting the Pressure & Inflating

1. **Set the Target Pressure:** Use the '+' and '-' buttons to set the desired PSI. Refer to the pressure guide below.
 - Volleyball: ~6 PSI
 - Basketball: 7-9 PSI

- Rugby Ball: 9-11 PSI
- Soccer/Football: 8-15 PSI

Calibration Note: Due to a possible 1 PSI sensor variance, it is recommended to set the target pressure 1 PSI higher than your desired final pressure for optimal results. You can test and adjust based on feel.

2. **Start Inflation:** Slide the power switch to the ON position. The pump will start, and the LCD will display the pressure building.
3. **Automatic Stop:** The pump will automatically stop when the preset pressure is reached.
4. **Disconnect:** Turn the pump off. Remove the needle from the ball's valve.

Important: Do not touch the power switch during inflation, as this will stop the pump prematurely. The pump has a memory function and will default to the last used pressure setting when powered on again.

7. Calibration & Troubleshooting

7.1 Pressure Calibration

If you notice a consistent deviation between the displayed pressure and the actual ball pressure, you can reset the calibration.

Steps:

1. Ensure the pump is ON but **not connected** to any ball or hose.
2. Press and hold the '+' and '-' buttons simultaneously for 3 seconds.
3. The display may reset. You will need to set your desired pressure again for the next use.

7.2 Common Issues

- **Pump does not turn on:** Battery may be depleted. Connect to charger.
- **Pump stops immediately or seems weak:** Check for air leaks at hose and needle connections. Ensure needle is fully inserted into the ball valve.
- **Pressure reading seems inaccurate:** Perform the calibration reset procedure described above.
- **Pump does not stop automatically:** Do not leave unattended. Turn off manually if it exceeds the target pressure. The automatic stop function may be impaired; contact support.

8. Care & Maintenance

- Store the pump and accessories in the provided waterproof bag when not in use.

- Keep the air outlet and needle clean from debris.
- Do not expose the pump to extreme heat, cold, or moisture.
- Do not attempt to disassemble the pump.
- Recharge the battery every few months if the pump is stored for a long time.

9. Safety Information & Warnings

- **INTENDED USE:** This pump is designed for inflating sports balls (soccer, basketball, volleyball, football, rugby) within its 15 PSI maximum pressure limit.
- **NOT SUITABLE FOR:** Bicycle tires, car tires, high-pressure items, yoga balls, large inflatable toys, or any item requiring more than 15 PSI. Using it for these purposes may damage the pump and void the warranty.
- Keep away from children. The ball needle is sharp.
- Do not block the air outlet while the pump is running.
- Use only the provided Type-C cable or a standard 5V 1A USB charger.
- If the pump is damaged, emits smoke, or behaves abnormally, stop use immediately and disconnect from power.

10. Warranty & Support

This product is covered by a **1-Year Manufacturer's Warranty** from the date of purchase.

For warranty service or product support:

Contact the seller through your Amazon purchase history or visit the Pumteck Store on Amazon for more information.

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Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.