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AstroAI L6S Portable Electric Ball Pump User Manual

Model: L6S (ACACL6SYE-CA)

Brand: AstroAI

1. INTRODUCTION

The AstroAI L6S Portable Electric Ball Pump is designed for efficient and accurate inflation of various sports balls. This compact device features a digital LCD display, preset inflation modes, and an automatic shutoff function to ensure optimal ball pressure. Its portable design allows for convenient use anywhere.



Figure 1: AstroAI L6S Portable Electric Ball Pump with accessories.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x AstroAI L6S Electric Ball Pump
- 1 x Charging Cable (USB-C)
- 2 x Inflation Needles
- 1 x User Manual

PACKAGE INCLUDES



Figure 2: All items included in the AstroAI L6S package.

3. PRODUCT OVERVIEW

The AstroAI L6S features a compact design with intuitive controls and a clear digital display.

- **Digital LCD Display:** Shows real-time pressure and selected modes.
- **Control Buttons:** Power, Mode (M), Increase (+), Decrease (-), and Unit (U) buttons for operation.
- **Inflation Port:** Located at the top for attaching the needle.
- **USB-C Charging Port:** For recharging the device.
- **Needle Storage Compartment:** Integrated storage for inflation needles.

FAST INFLATION

Continuously Works for up to 20 Minutes

≤ 20 S
6PSI-8PSI
 Basketball



Figure 3: Digital LCD screen displaying pressure and mode.

4. SETUP

4.1 Charging the Device

Before first use, fully charge the ball pump using the provided USB-C charging cable. Connect the cable to the charging port on the device and a compatible USB power source. The battery indicator on the LCD screen will show charging status.

4.2 Attaching the Inflation Needle

1. Locate the needle storage compartment on the pump.

2. Carefully remove an inflation needle.
3. Screw the needle securely into the inflation port at the top of the pump. Ensure it is straight to prevent bending or damage.



Figure 4: Integrated needle storage for convenience.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- Press and hold the Power button () to turn the device on or off.

5.2 Selecting Inflation Mode

- Press the Mode button (M) to cycle through the 5 preset inflation modes: Basketball, Soccer, Volleyball, Rugby, and Manual.
- The memory function automatically saves the last-set value for quick and easy inflation in each mode.



Figure 5: The 5 preset inflation modes for various sports balls.

5.3 Setting Target Pressure (PSI)

- Once a mode is selected, use the Increase (+) or Decrease (-) buttons to adjust the target PSI. The inflation range is 2-20 PSI.
- Press the Unit button (U) to switch between PSI and KPA units.

5.4 Inflation Process

1. Insert the attached needle into the ball's valve.
2. Press the Power button () to begin inflation. The LCD screen will display the real-time pressure.
3. The pump will automatically shut off once the preset target pressure is reached.
4. Carefully remove the needle from the ball.



Figure 6: Simple 3-step process for inflating a ball.

5.5 Official Product Video: Operation Demonstration

Your browser does not support the video tag.

Video 1: A detailed demonstration of the AstroAI L6S Portable Electric Ball Pump in action, showcasing its features and ease of use for inflating sports balls.

6. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the pump and its accessories in a cool, dry place, away from direct sunlight and extreme temperatures. Utilize the internal storage compartment for needles to prevent loss.
- **Needle Care:** Always insert and remove needles carefully to avoid bending or breaking. Moisten the needle before insertion to ease the process and protect the ball valve.

7. TROUBLESHOOTING

- **Device not turning on:** Ensure the device is fully charged.
- **Pump not inflating:** Check if the needle is properly attached and inserted into the ball valve. Verify that the target PSI is set above the current ball pressure.
- **Inaccurate pressure reading:** Ensure the needle is fully inserted and the ball valve is not obstructed.
- **Excessive noise during operation:** A low noise output ($\leq 50\text{dB}$) is normal. If noise is unusually loud, ensure no obstructions are present in the air intake.

EASY NEEDLE STORAGE



Figure 7: The AstroAI L6S operates with low noise.

8. SPECIFICATIONS

Feature	Specification
Brand	AstroAI
Model Number	ACACL6SYE-CA
Power Source	Battery Powered (Lithium-Ion)

Air Flow Capacity	6 Liters Per Minute
Maximum Pressure	20 PSI
Inflation Range	2-20 PSI
Pressure Accuracy	± 0.4 PSI
Noise Output	≤ 50 dB
Item Dimensions (LxWxH)	2.72 x 1.65 x 3.62 inches
Package Weight	0.25 Kilograms
Material	Plastic

EASY TO USE



Figure 8: Compact size and lightweight body of the pump.

9. WARRANTY AND SUPPORT

AstroAI products are manufactured to the highest quality standards. For information regarding warranty coverage, technical support, or customer service, please refer to the contact information provided in the included user manual or visit the official AstroAI website.