

AstroAI JY16P160-18

AstroAI Air Hawk Pro Cordless 20V Rechargeable Air Compressor

Model: JY16P160-18

1. INTRODUCTION

Thank you for choosing the AstroAI Air Hawk Pro Cordless 20V Rechargeable Air Compressor. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your device. Please read this manual thoroughly before use and retain it for future reference.

This air compressor is designed for inflating various items such as car tires, bicycle tires, motorcycle tires, balls, and other inflatables. Its cordless design, fast inflation capabilities, and automatic shut-off feature make it a convenient tool for everyday use and outdoor activities.

2. SAFETY INFORMATION

WARNING: Read all safety warnings and instructions before operating this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Always wear eye protection when operating the air compressor.
- Keep children and bystanders away from the operating area.
- Do not over-inflate items. Follow the recommended pressure for the item being inflated.
- Do not leave the air compressor unattended while in use.
- Ensure the air hose and nozzles are securely attached before operation.
- Do not operate the compressor in wet conditions or near flammable liquids or gases.
- Allow the compressor to cool down after extended use to prevent overheating.
- Store the device in a dry, secure place, out of reach of children.

3. PACKAGE CONTENTS

- AstroAI Air Hawk Pro Cordless Air Compressor
- 20V Lithium-ion Rechargeable Battery
- Battery Charger
- DC12V Power Cable
- Air Hose with Snap-Button Nozzle
- 3 Additional Nozzles (e.g., needle adapter for balls, tapered adapter for inflatables, Presta valve adapter for bicycles)
- Storage Bag
- Instruction Manual



Image: AstroAI Air Compressor, battery, charger, and various nozzles neatly stored in the included bag.

4. PRODUCT FEATURES

- **Cordless and Portable:** Powered by a 20V Lithium-ion battery for maximum portability. Also includes a DC12V power cable for alternative power supply.
- **Fast Inflation:** Capable of inflating a 195/65 R15 car tire from 0 to 36 PSI in approximately 5 minutes using battery power, or 8 minutes using the 12V DC connection. Maximum pressure of 160 PSI.
- **Quick Charging:** The 20V 2.0Ah battery fully charges in approximately 1 hour. A single full charge can inflate up to four 195/65 R15 car tires.
- **Durable Metal Cylinder:** Features an internal metal cylinder design for enhanced durability, efficient heat dissipation, and a longer product lifespan.
- **Automatic Shut-off:** Automatically detects tire pressure and stops inflation once the preset pressure value is reached, preventing over-inflation.
- **Digital LCD Display:** Clear LCD screen displays both the preset and current pressure values.
- **Multiple Pressure Units:** Easily switch between BAR, KPA, and PSI units.
- **Integrated LED Light:** Provides illumination for use in low-light conditions or at night.
- **Versatile Adapters:** Includes various nozzles for inflating car tires, motorcycle tires, bicycle tires, sports balls, and other inflatables.



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Image: The AstroAI Air Compressor in use, demonstrating its versatility for various inflation needs.



Image: Cross-section view highlighting the durable metal cylinder for improved performance and longevity.



Image: Real-time digital display showing current and target pressure values.

5. SETUP

5.1 Charging the Battery

1. Connect the battery charger to a standard wall outlet.

2. Insert the 20V Lithium-ion battery into the charger.
3. The indicator light on the charger will show the charging status. A full charge typically takes about 1 hour.
4. Once fully charged, disconnect the battery from the charger.



Image: The 20V Lithium-ion battery connected to its charger, illustrating the fast charging capability.

5.2 Attaching the Air Hose and Nozzle

1. Screw the air hose securely onto the air outlet port of the compressor.
2. Select the appropriate nozzle for the item you wish to inflate.
3. Attach the selected nozzle to the end of the air hose.



Image: A selection of nozzles and adapters for diverse inflation needs.

6. OPERATING INSTRUCTIONS

6.1 Powering On and Connecting

1. Insert the charged 20V battery into the base of the air compressor. Alternatively, connect the DC12V power cable to your vehicle's 12V outlet and then to the compressor.
2. Remove the valve cap from the item to be inflated.
3. Firmly attach the air hose nozzle to the valve stem. Ensure a tight seal to prevent air leakage.

6.2 Setting Desired Pressure

1. Press the power button to turn on the compressor. The LCD screen will display the current pressure.
2. Use the 'M' button to cycle through pressure units (PSI, BAR, KPA). Select your desired unit.
3. Use the '+' and '-' buttons to set your target pressure.

6.3 Starting and Stopping Inflation

1. Once the target pressure is set, press the inflation button to start the compressor.
2. The compressor will automatically stop once the preset pressure is reached.
3. If you need to stop inflation manually, press the inflation button again.
4. Disconnect the nozzle from the valve stem and replace the valve cap.



Image: Step-by-step visual guide for operating the air compressor.

7. MAINTENANCE

- **Cleaning:** Wipe the exterior of the compressor with a damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure no water enters the internal components.
- **Storage:** Store the air compressor and its accessories in the provided storage bag in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, charge the battery fully before storing for extended periods and recharge every 3-6 months if not in use.
- **Hose and Nozzle Inspection:** Regularly check the air hose and nozzles for any signs of wear, cracks, or damage. Replace if necessary to ensure proper sealing and performance.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Compressor does not turn on.	Battery is not charged or not properly inserted. DC12V cable not connected.	Ensure battery is fully charged and securely inserted. Check DC12V cable connection.
Compressor runs but does not inflate.	Air hose or nozzle not securely attached. Leak in the hose or nozzle. Valve stem is faulty.	Check all connections for tightness. Inspect hose and nozzles for damage. Check the item's valve stem.

Problem	Possible Cause	Solution
Inflation is slow.	Low battery charge. Small leak in connection.	Recharge the battery. Ensure all connections are tight.
Compressor is noisy.	Normal operation for air compressors.	Air compressors typically produce noise during operation. This is generally not a fault. Consider using in an appropriate environment.
Compressor overheats and shuts off.	Extended continuous use.	Allow the compressor to cool down for at least 10-15 minutes before resuming operation. Avoid continuous use for more than 20 minutes.

9. SPECIFICATIONS

- **Brand:** AstroAI
- **Model Number:** JY16P160-18
- **Product Dimensions:** 17 x 8 x 24 cm
- **Product Weight:** 1.94 kg
- **Color:** Yellow
- **Power Source:** Battery Powered (20V Lithium-ion) / DC12V
- **Voltage:** 20 Volts
- **Max Pressure:** 160 PSI
- **Battery Type:** Lithium-ion
- **Special Features:** Quick Inflation, Cordless, Automatic Shut-off, LED Light
- **Recommended Use:** Tire pressure for cars, motorcycles, bicycles, balls, and other inflatables.

10. WARRANTY AND SUPPORT

AstroAI products are designed and manufactured to high-quality standards. For warranty information, please refer to the warranty card included with your product or visit the official AstroAI website. If you encounter any issues or have questions regarding your AstroAI Air Hawk Pro Cordless 20V Rechargeable Air Compressor, please contact AstroAI customer support for assistance.

You can find more information and contact details on the [AstroAI Store on Amazon](#).