

Upstreman PI16

Upstreman PI16 Smart Inverter Portable Air Conditioner User Manual

Model: PI16

- Overview
- Setup & Installation
- Operating
- Instructions
- Maintenance
- Troubleshooting
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- Warranty & Support

1. PRODUCT OVERVIEW

The Upstreman PI16 is a 16000 BTU Smart Inverter Portable Air Conditioner designed to provide efficient cooling, fan, and dehumidification for spaces ranging from 350 to 750 square feet. Featuring a dual-hose design, it enhances cooling speed and efficiency by preventing negative pressure. This unit offers smart control via a mobile app, a touch panel, and a remote control, making it suitable for various home and office environments.



How to install it



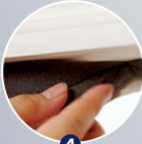
1
Pre-install Wing Bolts onto Windows Boards



2
Measure the size of Windows Boards.



3
Install window board assembly on window.



4
Seal gaps with non-adhesive foam



5
Fit hose adapter & exhaust clips to window board



6
Clamp hose to portable AC

Image: Upstreman PI16 Portable Air Conditioner in a living room, highlighting its compact design and portability.

Key Features:

- **16000 BTU Cooling Power:** Effective for rooms 350-750 sq.ft.
- **3-in-1 Functionality:** Cooling, Fan, and Dehumidifier modes.
- **Dual Hose Design:** Improves cooling efficiency and prevents negative room pressure.

- **Smart Inverter Technology:** Provides stable cooling, energy efficiency, and quiet operation (as low as 42dB).
- **WiFi App Control:** Remote adjustment of temperature, modes, and sleep settings via mobile app.
- **Self-Evaporating System:** Reduces the need for frequent manual drainage.
- **Washable Filter:** Easy to clean for consistent air quality.
- **Portable Design:** Equipped with 360° universal rolling casters for easy movement.

2. SETUP AND INSTALLATION

Included Components:

Before beginning installation, ensure all components are present:

- Upstreman PI16 Portable Air Conditioner Unit
- Hoses with Adapters (2)
- Drain Pipe
- Sealing Foam
- Window Boards (A, B, C, D, E)
- Remote Control
- Batteries for Remote Control
- Exhaust Hose Retaining Clips
- Wing Bolts
- User Manual (this document)

Compact Design & Easy to Move

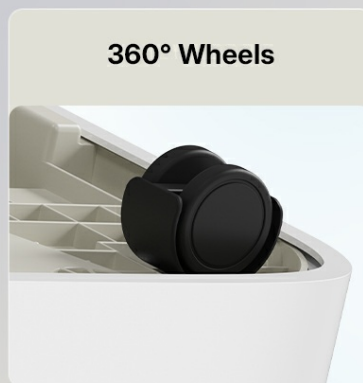


Image: Detailed view of all components included in the installation kit for the Upstreman PI16.

Installation Steps:

1. **Prepare Window Boards:** Pre-install the wing bolts onto the window boards. The window adapter is compatible with most vertical and horizontal windows measuring 18 to 67 inches in width.
2. **Measure Window:** Measure the size of your window opening to determine the correct combination of window boards.
3. **Install Window Board Assembly:** Place the assembled window board into the window opening, ensuring a secure fit.

4. **Seal Gaps:** Use the provided non-adhesive sealing foam to seal any gaps around the window board for optimal insulation.
5. **Connect Hoses to Window Board:** Align and install the hoses with their adapters onto the window board.
6. **Secure Hoses:** Install the exhaust hose retaining clips in place to firmly secure the hoses to the window board.
7. **Connect Hoses to AC Unit:** Clamp the hoses to the portable AC unit. Ensure both intake and exhaust hoses are properly connected.

Modern Cooling, On the Move

Instant, powerful airflow tailored for your living room, bedroom, office, and garage.

The scenes/characters: potentially co-created by our team and AI.

Image: Step-by-step visual instructions for installing the Upstreman PI16 portable air conditioner.

Installation Video:

Video: Official guide on how to install the PI16 dual hose Portable AC unit. This video demonstrates the process of setting up the hoses and window kit.

3. OPERATING INSTRUCTIONS

Control Methods:

The Upstreman PI16 offers multiple ways to control its functions:

- **Touch Panel:** Located on the top of the unit for direct control.
- **Remote Control:** A full-function remote control is included for convenient operation from a distance.
- **WiFi App Control:** Use the dedicated mobile application for comprehensive remote management.

Operating Modes:

The unit features three primary operating modes:

- **Cooling Mode:** Provides powerful cooling for your space. Adjust temperature settings as desired.
- **Fan Mode:** Circulates air without cooling. Features 3-speed settings (High, Mid, Low).
- **Dehumidifier Mode:** Removes excess moisture from the air, with a capacity of 116.5 Pints/Day (2.3 L/H).

	Our Inverter Portable AC	Single Hose Portable AC
Working principle	✓ One tube pulls in outdoor air to cool itself, and the other tube vents the hot air back out.	✗ It draws air from indoors to cool itself, then discharges the heated air to the outdoors.
Indoor pressure	✓ Pressure stays largely balanced, similar to exhaling.	✗ Creates negative pressure, similar to inhaling
Main consequences	✓ Keeps indoor air intact, no hot backflow, cool air stays in the room.	✗ Indoor cool air is pulled out, hot air seeps in through gaps — influence cooling performance suffers
Cooling efficiency	✓ More efficient, no energy waste	✗ Lower — some cool air is lost offsetting hot air drawn in by negative pressure.

Image: Visual representation of the 3-in-1 functionality (Cool, Fan, Dry) of the portable air conditioner.

Smart Features and WiFi Connectivity:

The PI16 can be controlled remotely via the Upstreman App and is compatible with Google Home for voice control.

- **WiFi Connection:** To connect the unit to your home WiFi, turn on the AC and hold down the "Timer" button for 5 seconds. The WiFi indicator will light up and start blinking, indicating it's ready for connection via the Upstreman App.
- **Sleep Mode:** Activates ultra-quiet operation (as low as 42dB), auto-dimming display, and gentle airflow for undisturbed rest.
- **Timer Function:** Set specific operating times for convenience and energy saving.

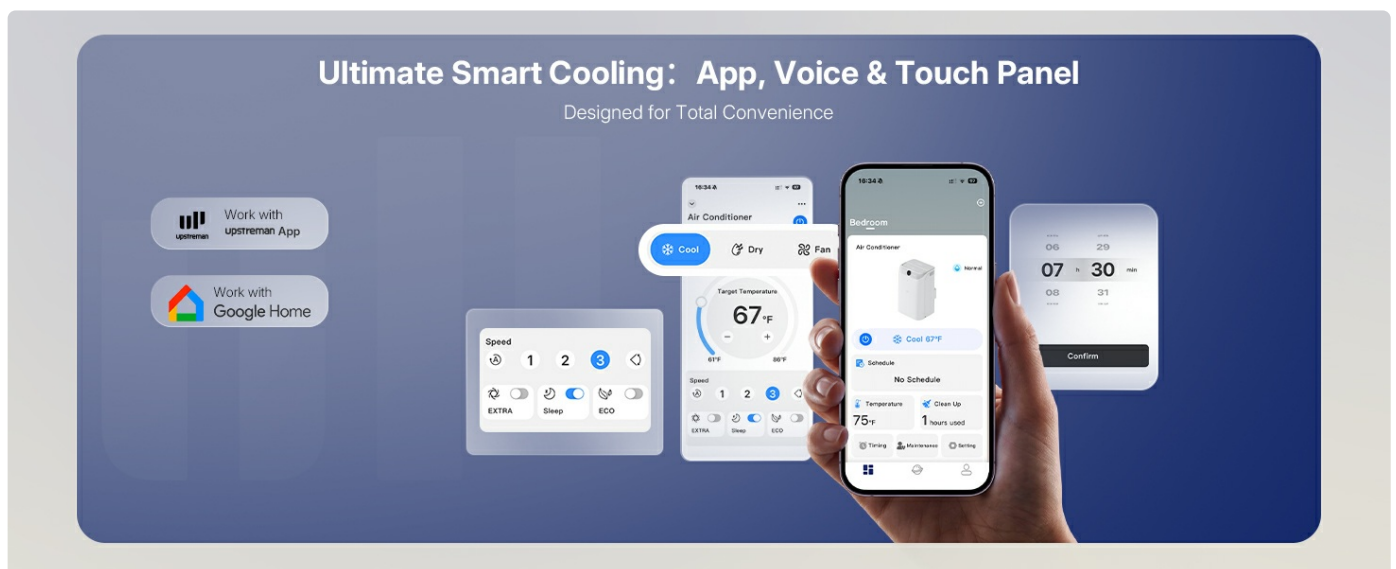


Image: Demonstrates the smart control capabilities via the Upstreman mobile app and Google Home integration.

WiFi Connection Video:

Video: Official instructions on how to connect the PI16 Portable AC to Wi-Fi using the Upstreman app.

4. MAINTENANCE

Self-Evaporating Condensation System:

The PI16 features a self-evaporating system that utilizes a built-in water-splashing wheel. This mechanism sprays most condensed water onto the condenser for automatic evaporation, significantly reducing the frequency of manual water tank emptying. In extremely humid rooms (such as basements) or when using dehumidifier mode, continuous drainage may still be required.

Cool
61°F–86°F

Fan
3 Speeds

Dry
6.38L/h

12000 BTU

Inverter

Eco

Sleep

Swing

Timer

Child Lock

Why choose Inverter Portable AC

Image: Diagram illustrating the self-evaporating condensation system, showing how collected water is recycled for evaporation.

Filter Cleaning:

The unit is equipped with a quick-disassemble mesh filter for easy maintenance. Regular cleaning of the filter is essential to block airborne dust, ensure clean airflow, and maintain optimal performance.

- **Removal:** Gently pull out the mesh filter from its designated slot.
- **Cleaning:** Wash the filter with mild soap and lukewarm water. Rinse thoroughly.
- **Drying:** Allow the filter to air dry completely before reinserting it into the unit. Do not expose to direct sunlight or high heat.
- **Frequency:** Clean the filter every two weeks or more frequently depending on usage and air quality.

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On the Move

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Image: Close-up of the washable and removable filter being cleaned under water.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Upstreman PI16 portable air conditioner.

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply.	Ensure the power cord is securely plugged into a working electrical outlet. Check the circuit breaker.
Insufficient cooling.	Dirty air filter. Window kit not properly sealed. Room size exceeds capacity.	Clean the air filter. Ensure the window kit is installed correctly and all gaps are sealed. Verify the room size is within the recommended 350-750 sq.ft. range.
WiFi connection fails.	Incorrect pairing mode. App not installed or configured.	Ensure the unit is in pairing mode (hold "Timer" button for 5 seconds until WiFi indicator blinks). Download and install the "Upstreman" app from your device's app store. Follow in-app instructions for device addition.
Remote control not working.	Dead batteries. Obstruction between remote and unit.	Replace the batteries in the remote control. Ensure there is a clear line of sight between the remote and the unit's sensor.
Water leakage.	Continuous drainage required in high humidity.	Connect the drain pipe for continuous drainage, especially in very humid conditions or when using dehumidifier mode. Ensure the drain pipe is not blocked.

6. PRODUCT SPECIFICATIONS

Feature	Detail
Model Name	PI16
Cooling Power	12000 BTU (SACC), 16000 BTU (ASHRAE)
Coverage Area	350-750 sq.ft. (18-29)
Functions	Cooling, Fan, Dehumidifier
Dehumidifier Capacity	116.5 Pints/Day (2.3 L/H)
Noise Level	As low as 42 dB (Sleep Mode)
Control Methods	App, Remote, Touch Panel
Voltage	115 volts
Wattage	1660 watts
Refrigerant	R-32
Filter Type	Mesh Filter (Washable)

Feature	Detail
Product Dimensions (D x W x H)	18.11" x 15.59" x 34.06"
Item Weight	54.6 pounds
Window Opening Compatibility	Width: 18 to 67 inches; Minimum Height: 20 inches
Annual Energy Consumption	731 kWh

7. WARRANTY AND SUPPORT

Warranty Information:

The Upstreman PI16 Portable Air Conditioner comes with a **1-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

Extended protection plans may be available for purchase separately. Please refer to the retailer or manufacturer's website for details on available protection plans.

Customer Support:

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Upstreman customer support. Contact information can typically be found on the official Upstreman website or on the product packaging. When contacting support, please have your product model (PI16) and purchase date readily available.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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