Dreo AC516S Black

Dreo Portable Air Conditioner User Manual

Model: AC516S Black

Introduction

Thank you for choosing the Dreo Portable Air Conditioner. This 14,000 BTU (ASHRAE) unit is designed to provide powerful and efficient cooling, dehumidification, and air circulation for spaces up to 400 sq.ft. With advanced features like drainage-free cooling, quiet operation, and smart control via app and voice commands, your Dreo AC unit offers unparalleled comfort and convenience. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your appliance.

Important Safety Instructions

Always read and follow all safety instructions before using this appliance to reduce the risk of fire, electric shock, or injury. Keep this manual for future reference. Ensure the unit is placed on a stable, level surface and is not obstructed. Do not operate the unit with a damaged cord or plug. Always unplug the unit before cleaning or servicing. For detailed safety guidelines, please refer to the full user manual PDF.

Package Contents

Your Dreo Portable Air Conditioner package includes all necessary components for immediate setup and operation. Please verify that all items listed below are present and undamaged upon unboxing.

- Dreo Portable Air Conditioner Unit
- Remote Control (with batteries)
- Window Mount Kit (adjustable sliding panel kit)
- Exhaust Hose
- Drain Hose

- Insulation Foam (adhesive and non-adhesive)



Image: The Dreo Portable Air Conditioner unit shown with its remote control and a smartphone displaying the companion app interface.

Setup Guide

Window Installation

The adjustable sliding panel kit (17"-53" range) is designed for universal compatibility with double-hung, sliding, and casement windows. Achieve an airtight seal using the reinforced brackets and dual-layer insulation foam for maximum energy efficiency. Installation can typically be completed in under 30 minutes.

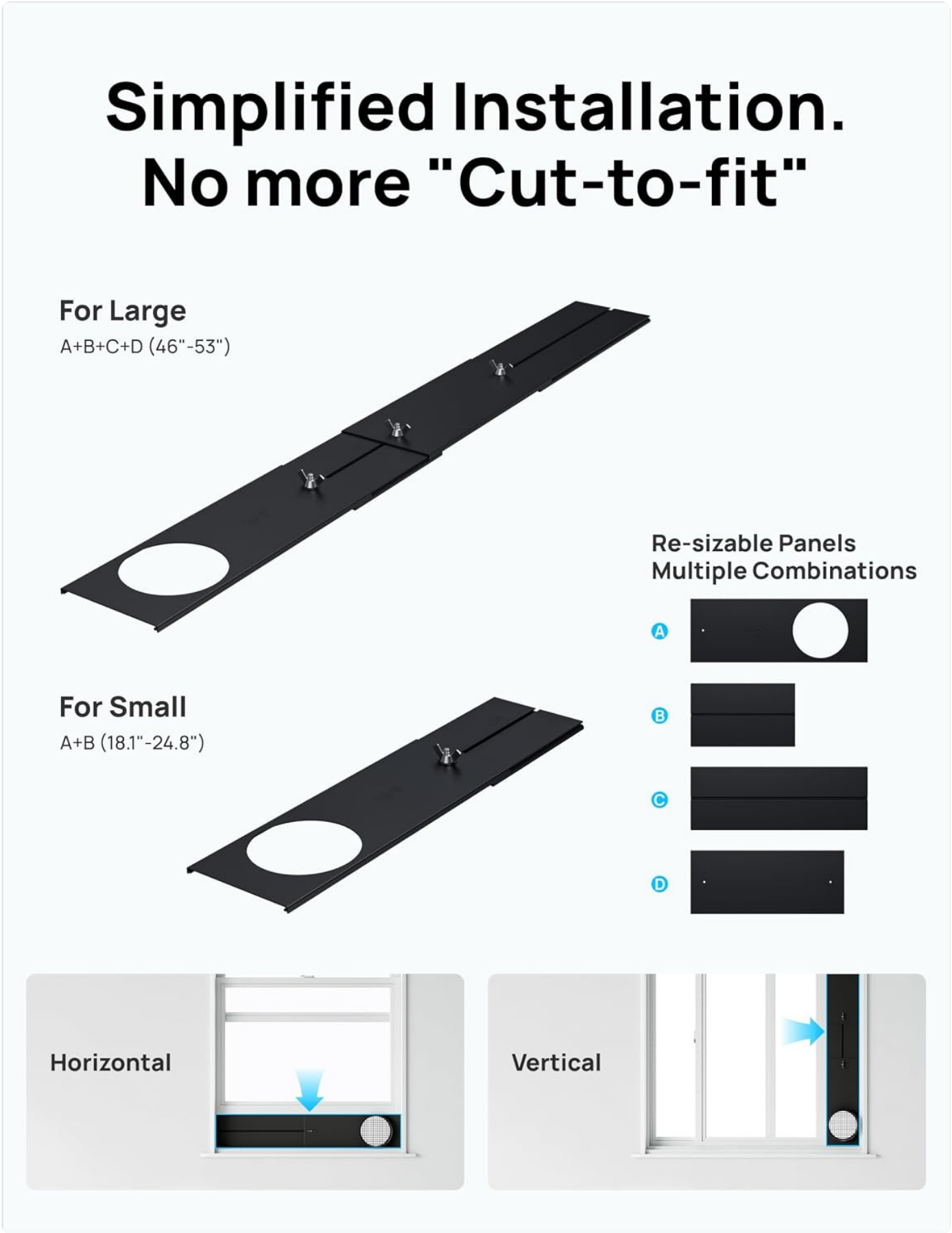


Image: A visual guide illustrating the assembly of the adjustable window panel kit for both horizontal and vertical window types.

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Video: A quick start guide demonstrating the installation process for the Dreo Portable Air Conditioner, including window kit setup.

Exhaust Hose Connection

Connect the exhaust hose to the designated outlet on the back of the unit. Ensure a secure fit to prevent air leakage. The other end of the hose should be connected to the window panel kit to vent hot air outside.



Image: This image illustrates the dimensions of the Dreo AC unit and provides a close-up of the exhaust hose connection point.

Operating Modes

The Dreo Portable Air Conditioner offers versatile 3-in-1 functionality to optimize your environment for various needs:

- **Cool Mode:** Provides precision cooling with adjustable temperatures from 65°F to 86°F. Ideal for combating summer heatwaves.
- **Dry Mode (Dehumidifier):** Effectively removes excess moisture from the air, perfect for high-humidity days. Humidity settings can be adjusted from 30% to 80%.
- **Fan Mode:** Circulates air with 4 adjustable fan speeds, offering gentle airflow for year-round comfort without cooling.

Control your unit effortlessly using the intuitive touchpad, included remote control, or through the smart DREO App and voice commands.



Image: A visual representation of the Dreo AC's 3-in-1 modes: Cool, Dry, and Fan, highlighting their functions and settings.

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Video: An overview of the Dreo Smart Portable Air Conditioners AC515S, showcasing its various modes and features.

Smart Features

Experience seamless control with the Dreo AC516S's smart capabilities:

- **DREO App Control:** Manage settings, adjust cooling modes, customize fan speeds, program schedules, and monitor performance remotely from any location using the DREO app on your smartphone.
- **Voice Control:** Compatible with Amazon Alexa and Google Home, allowing you to adjust settings with simple voice commands.
- **24h Timer:** Program the unit to turn on or off automatically according to your schedule, enhancing energy efficiency and convenience.



Image: Multiple smartphone screens displaying the intuitive Dreo app, allowing users to control various aspects of the air conditioner, including scheduling and mode selection.

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Video: A tutorial on how to connect the Dreo Smart Portable Air Conditioner to your smartphone app for remote control.

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Video: Instructions on how to download and set up the DREO app on your mobile device.

Maintenance

Drainage

The Dreo AC516S features a drainage-free system in Cool Mode, combining an evaporator and high-capacity pump to reduce drainage needs by 90% (when humidity is below 85%). This allows for continuous cooling without frequent manual draining. However, in high humidity environments or when using Dry Mode, manual drainage may still be required. The unit is equipped with two drainage points: a main drain outlet for continuous drainage (recommended for Dry Mode) and a bottom drain cap for intermittent drainage when the internal reservoir is full.

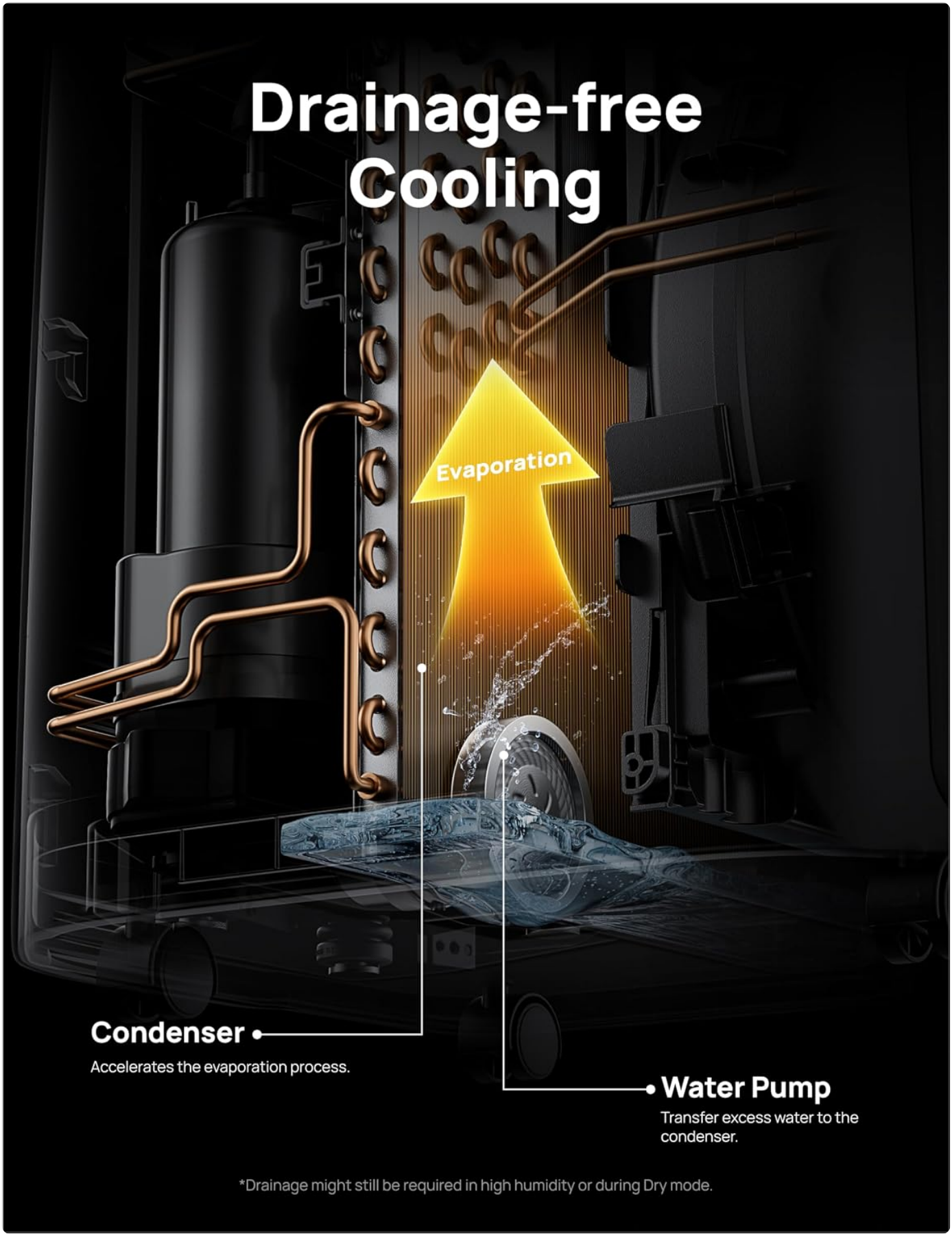


Image: An internal diagram illustrating the drainage-free cooling mechanism, showing how excess water is transferred to the condenser for evaporation.

Air Filter Cleaning

Regular cleaning of the air filters is crucial for maintaining optimal performance and air quality. It is recommended to clean the filters at least once every two weeks. To clean, gently remove the filter grilles from the back of the unit. You can vacuum any lint and debris from the filters. If heavily soiled, rinse them under warm water. Ensure the filters are

completely dry before re-attaching them to the unit.

Troubleshooting

If you encounter any issues with your Dreo Portable Air Conditioner, please refer to the following common troubleshooting tips:

- **Unit not turning on:** Check if the power cord is securely plugged into a functioning outlet. Ensure the GFI (Ground Fault Interrupter) on the plug has not tripped.
- **Insufficient cooling:** Verify that the exhaust hose is properly installed and vented outside. Check for any obstructions in the air intake or exhaust vents. Ensure the room size is within the recommended cooling capacity (up to 400 sq.ft. for 14,000 BTU).
- **Water leakage:** In Dry Mode or high humidity, ensure the continuous drainage hose is properly connected and directed to a suitable drain or bucket. Check that the bottom drain cap is securely closed if not using continuous drainage.
- **Unusual noise:** Ensure the unit is placed on a flat, stable surface. Check for any foreign objects in the air vents. The unit features an advanced noise-isolation system to keep operation quiet (46dB).

For more detailed troubleshooting steps and error codes, please consult the comprehensive user manual available in PDF format.

Product Specifications

Specification	Value
Cooling Power (ASHRAE)	14,000 BTU
Floor Area Coverage	Up to 400 sq.ft.
Product Dimensions (D x W x H)	14.37" x 17.32" x 28.13"
Item Weight	1.05 ounces (Note: This weight seems incorrect for an AC unit, likely a data error in source.)
Noise Level	46 dB
Voltage	103 - 125V
Current	12-14.5A
Power Output	1290-1625W
Refrigerant	R-32

Note: Actual values may vary with ambient conditions and voltage.

Warranty and Support

Your Dreo Portable Air Conditioner comes with a 1-year standard warranty. For any technical assistance, product inquiries, or warranty claims, Dreo offers a dedicated technical support network. Access 24/7 assistance from Dreo's U.S.-based HVAC specialists via phone, live chat, or video call.

For a complete guide and additional information, please download the official User Manual (PDF)

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.

Name

Anonymous

Email

you@example.com

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