Temprium PAC016-12K

Temprium 12,000 BTU Portable Air Conditioner with Heater User Manual

Introduction

Product Overview

The Temprium 12,000 BTU Portable Air Conditioner with Heater (Model PAC016-12K) is a versatile 5-in-1 unit designed to provide year-round comfort. It offers cooling, heating, fan, dehumidifier, and sleep modes, suitable for spaces up to 550 sq.ft. Control options include an intuitive control panel, a long-range remote, and a WiFi-enabled app for smart operation.

This unit features a powerful 12,000 BTU cooling capacity and 450 CFM airflow, with a temperature range of 61–86°F (16–30°C). The built-in heating function extends its utility beyond summer, providing comfort during colder months. Its portable design with caster wheels and a hidden handle allows for easy movement between rooms.

This image illustrates the high-capacity cooling of the portable air conditioner in a living room setting.

Important Safety Information

Please read all instructions carefully before operating this appliance. Keep this manual for future reference. Failure to follow these instructions may result in electric shock, fire, or personal injury.

- Ensure the unit is placed on a stable, level surface.
- Do not operate the unit with a damaged cord or plug.

- Do not block air inlets or outlets. Maintain at least 12 inches (30 cm) clearance from walls and furniture.
- Always unplug the unit before cleaning or servicing.
- Do not use in wet areas such as bathrooms or laundry rooms.
- Keep children and pets away from the unit during operation.
- Use only the accessories provided or recommended by the manufacturer.
- The unit uses R-32 refrigerant. Servicing should only be performed by qualified personnel.

What's in the Box

Verify that all components are present and in good condition:

- Portable Air Conditioner Unit
- Air Vent Connector
- Air Exhaust Duct
- Flat Nozzle
- Drain Hose
- Remote Control
- AAA Batteries (2)
- Window Panel (A)
- Window Extension Panel (B)
- Window Extension Panel (C)
- Window Extension Panel (D)

1 x Air Vent Connector
1 x Air exhaust duct
1 x Flat Nozzle
1 x Drain Hose
1 x Remote Control
2 x AAA Battery

1 x Window Panel (A) 20 in/508 mm
1 x Window Extension Panel (B) 17.05 in/433 mm
1 x Window Extension Panel (C) 10.12 in/257 mm
1 x Window Extension Panel (D) 9.53 in/242 mm

This image displays the main portable air conditioner unit alongside all its accessories, including the exhaust hose, window kit components, remote control, and drain hose.

Setup and Installation

The Temprium portable air conditioner is designed for quick and easy DIY installation. No professional tools are required.

Window Kit Installation

The adjustable window panel kit is suitable for both sliding and double-hung windows with openings from 20 to 50 inches.

1. **Prepare the Window:** Open the window to the desired width.
2. **Assemble the Window Panel:** Connect the window panel (A) with the appropriate extension panels (B, C, D) to fit your window opening. Secure them together.
3. **Install the Window Panel:** Place the assembled window panel into the window opening and close the window securely against it.
4. **Attach the Exhaust Duct:** Connect the air vent connector to one end of the exhaust duct.
5. **Connect to Unit:** Attach the other end of the exhaust duct (with the flat nozzle) to the exhaust outlet on the back of the portable AC unit.
6. **Connect to Window Panel:** Insert the air vent connector into the opening on the window panel, ensuring a tight seal to prevent air leakage.

This image illustrates how to install the window kit for both horizontal (sliding) and vertical (double-hung) window types, showing the adjustable range of 20 to 50 inches.

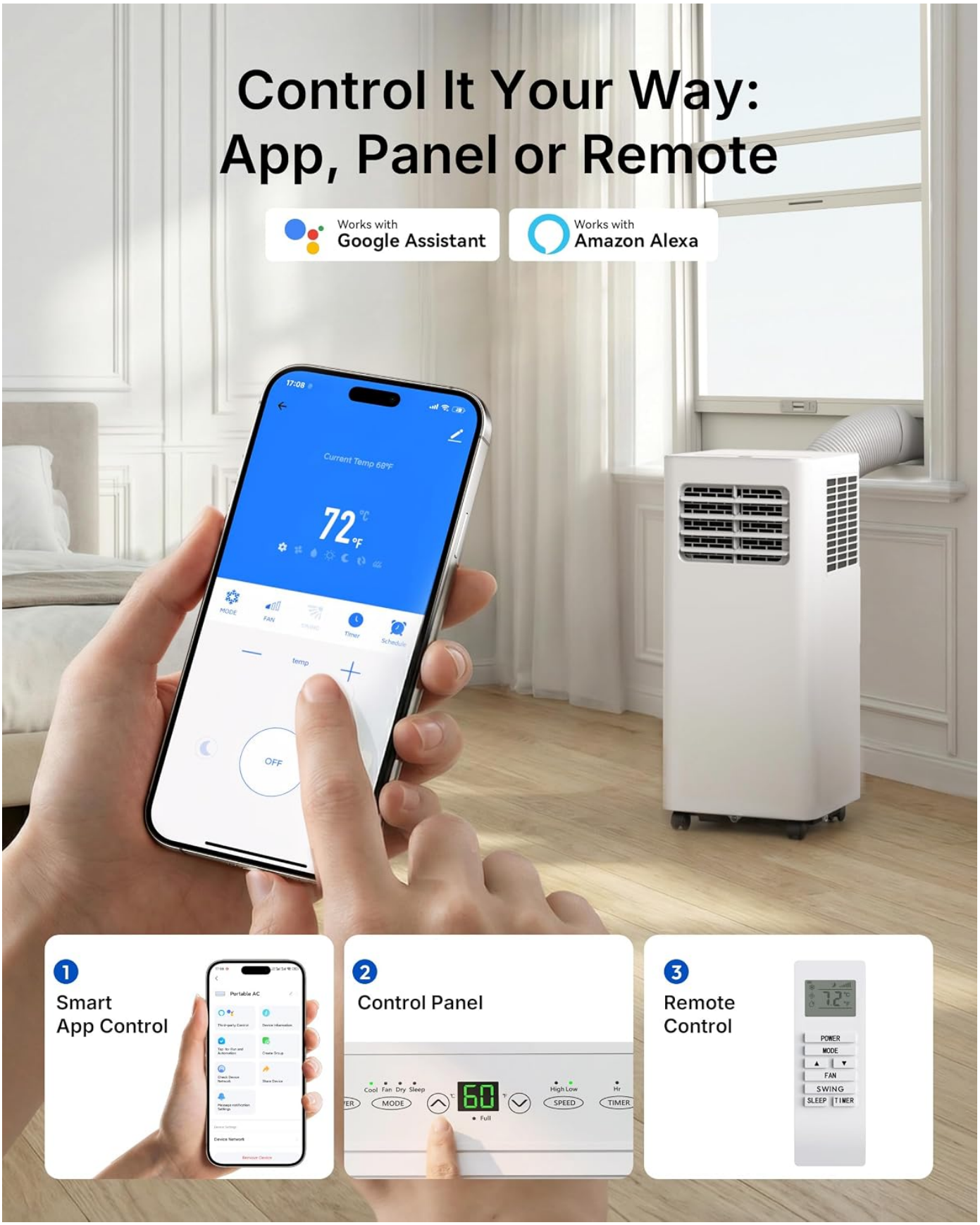
For detailed visual guidance, refer to the Installation Manual (PDF).

Operating Instructions

Your Temprium portable air conditioner offers multiple control methods and operating modes for optimal comfort.

Control Methods

- **Control Panel:** Use the buttons on the unit's top panel to adjust settings.
- **Remote Control:** The included remote control allows adjustment from up to 23 feet (7 meters). Insert the two AAA batteries into the remote.
- **Smart App Control:** Download the dedicated app to control the unit via Wi-Fi. This allows for remote temperature adjustment, mode switching, and scheduling. The unit is compatible with Google Assistant and Amazon Alexa for voice control.



This image demonstrates the three control options: smart app control on a smartphone, the physical control panel on the unit, and the remote control.

Operating Modes

The unit features 5-in-1 functionality:

- **Cool Mode:** Provides powerful cooling with adjustable temperatures from 61–86°F (16–30°C). Ideal for quickly lowering room temperature.
- **Heat Mode:** Built-in heating for use during colder seasons, offering year-round comfort.
- **Fan Mode:** Circulates air without cooling or heating. Select from low, medium, or high fan speeds.
- **Dry (Dehumidifier) Mode:** Removes up to 110 pints of moisture per day. The unit has two drain outlets to support continuous drainage.
- **Sleep Mode:** Designed for quiet operation and energy efficiency during sleep. This mode typically adjusts temperature gradually and operates at a lower fan speed.

Timer Function

Set a 24-hour timer to program the unit to turn on or off automatically. This helps optimize energy use and ensures comfort aligns with your schedule.

This image emphasizes the quiet operation of the unit in Sleep Mode and the convenience of the 24-hour timer function for energy saving.

Maintenance

Regular maintenance ensures optimal performance and longevity of your portable air conditioner.

Filter Cleaning

The air filter should be cleaned regularly, typically every two weeks, or more often depending on usage and air quality.

1. **Unplug the Unit:** Always disconnect the power supply before cleaning.
2. **Remove Filter:** Locate and remove the air filter from the back or side of the unit (refer to the user guide for exact location).
3. **Clean Filter:** Wash the filter under running water or use a vacuum cleaner to remove dust and debris. For heavy dirt, use a mild detergent and rinse thoroughly.
4. **Dry Filter:** Allow the filter to air dry completely before reinstalling. Do not expose to direct sunlight.
5. **Reinstall Filter:** Place the dry filter back into its slot.

Drainage

In Dry (Dehumidifier) mode or high humidity conditions, the unit will collect water. The unit features a no-water tank design with dual drain ports for stable operation.

- **Continuous Drainage:** For continuous operation in Dry mode, connect the included drain hose to one of the drain outlets and direct it to a suitable drain or container.
- **Manual Drainage:** If not using continuous drainage, the unit will indicate when the internal water tank is full. Turn off the unit, unplug it, and carefully move it to a drain location. Remove the drain plug and allow all water to empty. Replace the plug securely.

This diagram shows the internal evaporation process and the dual drain ports, explaining the unit's "No-Water Tank Design" for efficient moisture removal.

Storage

When storing the unit for an extended period:

1. Ensure all water is drained from the unit.
2. Clean the air filter.

3. Unplug the power cord and wrap it neatly.
4. Store the unit in a cool, dry place, away from direct sunlight and extreme temperatures.

Troubleshooting

Before contacting customer support, please refer to the following common issues and solutions. For more detailed troubleshooting, consult the Troubleshooting Guide (PDF).

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Power cord not plugged in; Circuit breaker tripped.	Ensure unit is plugged into a working outlet; Check circuit breaker; Try a different outlet.
Unit is not cooling effectively	Air filter is dirty; Exhaust hose is not properly installed or blocked; Room size exceeds capacity; Doors/windows open.	Clean air filter; Ensure exhaust hose is securely connected and unobstructed; Close all doors and windows; Verify room size is within 550 sq.ft.
Unit is noisy	Unit not on a level surface; Air filter dirty; Obstruction in fan.	Place unit on a flat, stable surface; Clean air filter; Check for and remove any obstructions.
Water leakage	Drain plug not securely closed; Drain hose improperly connected or blocked.	Ensure drain plug is tightly closed; Check drain hose for proper connection and clear any blockages.
Remote control not working	Batteries are dead or incorrectly inserted; Remote is too far from unit.	Replace batteries; Ensure batteries are inserted correctly; Move closer to the unit (within 23 ft / 7 m).

Specifications

Feature	Detail
Brand	Temprium
Model Name	TEMPAC012KH
Model Number	PAC016-12K
Cooling Power	12,000 BTU
Heating Power	(Integrated with 5-in-1 functionality)
Coverage Area	Up to 550 sq.ft.
Airflow	450 CFM
Temperature Range	61–86°F (16–30°C)
Dehumidification Capacity	Up to 110 pints/day
Noise Level	50 dB
Product Dimensions (D x W x H)	11.6"D x 12.8"W x 27.6"H
Item Weight	52.9 pounds

Feature	Detail
Voltage	110 volts
Wattage	1030 watts
Refrigerant	R-32
Control Method	App, Remote, Touch
Window Opening Max Width	50 inches
Window Opening Min Height	19.69 inches

Warranty and Support

Warranty Information

This Temprium 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.

Customer Support

For any questions, technical assistance, or warranty claims, please contact Temprium Customer Support. You can find contact information on the official Temprium website or through your purchase platform.

You may also refer to theUser Guide (PDF) for additional information.

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