

waykar

USER MANUAL

Portable Tent Air Conditioner

THG45A >

Please read the manual carefully before operating the device and keep it for future reference.

Message from WAYKAR

Thank you for choosing Waykar. Established in 2014 with a commitment to enhancing indoor air quality, Waykar has evolved into a leading brand for premium dehumidifiers and portable air conditioners.

Before you start exploring this product, read this manual carefully for necessary instructions first. It's advised to keep it for future reference.

24/7 Full-Time Response

Upon receipt of the tent air conditioner, kindly inspect the package contents immediately for any potential missing or damaged parts. In case of issues, we would appreciate your prompt contact with Waykar support for solutions before initiating a return.

support@waykar.com



Important: Please Read Before Usage

Ensure the air conditioner is always kept in an upright position, whether in transit or stationary, to avoid internal damage. After unpacking the air conditioner each time, it is recommended to set it upright and let it sit for **24 HOURS** before plugging it in.

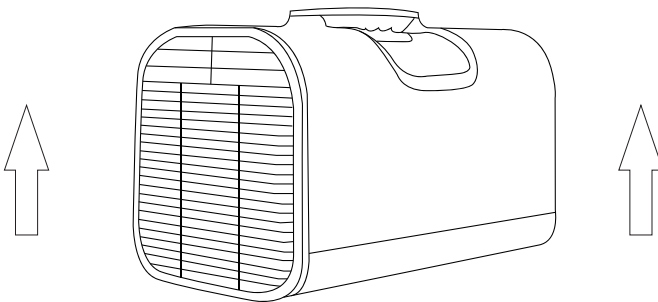


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SAFETY PRECAUTIONS

Placement and Setup	Device Operation	User Safety	Servicing and Repair	Cleaning & Storage	Disposal & Recycling
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The portable tent air conditioner is designed for small to mid-sized confined spaces, including small rooms, RVs, camping tents, fishing tents, emergencies, and tented weddings. Usage outside of these contexts is not recommended.

Set it on solid and even ground to prevent vibration and movement during operation.

Do not use any parts or accessories other than those provided in the package for installation. Doing so may cause malfunctions, water leakage, or potential safety hazards.

Verify that the air conditioner's voltage matches your electrical supply and plug it into grounded outlets. If you're away from an outlet, you can power the air conditioner using a portable power station, a solar panel charger, or a portable fuel generator.

Avoid installing the air conditioner in a humid environment to prevent circuit shortages.

Placement and Setup	Device Operation	User Safety	Servicing and Repair	Cleaning & Storage	Disposal & Recycling
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Keep doors and windows closed for optimal temperature control efficiency.

Avoid sitting, standing, spraying water, or placing heavy objects on the device.

Keep it away from heat-generating devices, including stoves, electric kettles, etc.

Ensure the the air inlets/outlets of the air conditioner are kept clear of objects. Do not cover them with clothes or other items for drying purposes.

No pesticide sprays or flammable liquids and gases are allowed near the device.

Placement and Setup	Device Operation	User Safety	Servicing and Repair	Cleaning & Storage	Disposal & Recycling
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Be sure to unplug the air conditioner during outdoor camping in thunderstorms.

Put the power cable away to prevent tripping hazards.

Do not insert fingers, rods, or other thin objects into the air inlet and outlet, as doing so may pose a risk of product damage and personal injury.

Children aged 8 and above, as well as individuals with reduced physical, sensory, or mental capabilities, should only operate the device under supervision. Children under the age of 8 should not tamper with the portable air conditioner.

SAFETY PRECAUTIONS

Placement and Setup	Device Operation	User Safety	Servicing and Repair	Cleaning & Storage	Disposal & Recycling
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Immediately stop and unplug the device at any indication of malfunction or damage.

For damaged cords, contact the manufacturer or certified technicians for replacement. Servicing or dismantling of the device without certification may pose safety hazards.

It is strictly prohibited to dismantle and modify the device without professional certification. Such actions may lead to safety hazards and void the warranty.

Placement and Setup	Device Operation	User Safety	Servicing and Repair	Cleaning & Storage	Disposal & Recycling
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Be sure to unplug the air conditioner first before cleaning, packing, or servicing the device.

Use soft, damp cloth and neutral detergent to clean the air conditioner. Alcohol, gasoline, benzene, and other chemical solvents are strictly prohibited for cleaning purposes.

If the air conditioner is not going to be used for an extended period, please remember to unplug it and store it properly in a well-ventilated place.

Placement and Setup	Device Operation	User Safety	Servicing and Repair	Cleaning & Storage	Disposal & Recycling
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The air conditioner contains R134a refrigerant. Please dispose of the device properly in accordance with local regulations regarding the safe disposal of refrigeration and air-conditioning equipment.

If the air conditioner is beyond repair, please separate it from other solid waste and reach out to the local recycling center to safely reclaim and recycle refrigerants to prevent environmental damage.

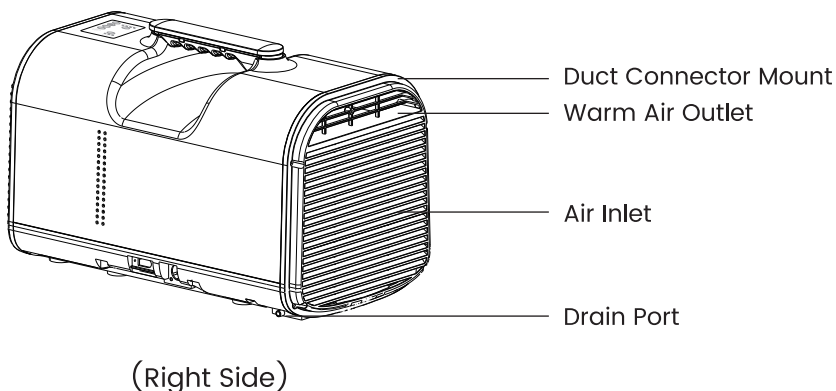
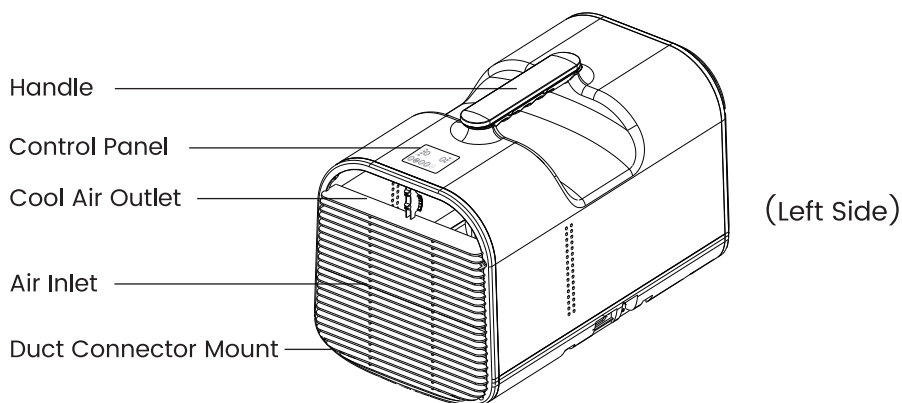


Read the manual carefully for operation safety and keep it for future reference.

Follow local regulations for safe disposal of home appliances.

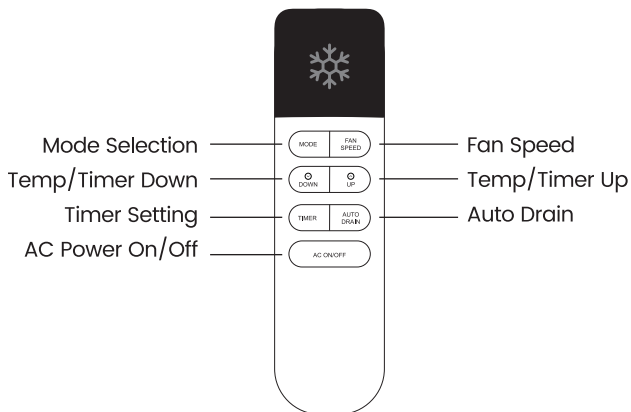
Refrigerant under high pressure. Handled by professionals ONLY.

PARTS ILLUSTRATION



Note:
This drawing is for demonstration purposes only. The actual product may vary slightly in appearance.

Remote Control



PACKAGE CONTENTS

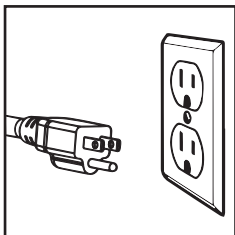
The package of this portable tent air conditioner includes:

- 1 x Portable Tent Air Conditioner
- 2 x Dual Duct Connectors
- 3 x Extendable Exhaust Hoses
- 1 x Drain Hose (Ø7mm)
- 1 x Drain Plug
- 4 x Screws
- 1 x Screw Driver
- 1 x Remote Control (with mount holder and 3M tape)
- 1 x User Manual

POWER SUPPLY

Air Conditioner

The power requirements of the portable air conditioner are 110V/60Hz, AC only. It's equipped with a built-in power connector to plug directly into a standard 110V AC outlet.



Note: ONLY use the provided original AC power plug to connect the air conditioner to power. It is forbidden to extend the power cord on your own.

In the event of a damaged power plug, please contact the manufacturer for assistance.

Plug it into household grounded outlets if you have access to the power grid. If you are away from a wall outlet, the portable tent air conditioner can be powered by a portable power station, a solar panel charger, or a portable fuel generator for outdoor usage.

NOTE: The aforementioned power station, solar panel charger, and portable fuel generator are NOT included in this package.

Remote Control

The remote controller is powered by two AAA batteries (not included).

Press against the compartment cover and slide it downward to remove.

INSTALLATION GUIDE



This portable air conditioner is designed to function straight out of the box, without the troublesome installation process of traditional AC units. Simply connect it to power, and it will start cooling down the space. However, for optimal performance, please follow the instructions below to properly position the device and attach the exhaust hose.

Attaching exhaust hoses

1. Attach the provided dual duct connectors to the Duct Connector Mount on the two sides of the AC unit, and secure them with the included screws and screwdriver. Press firmly on all corners to ensure they are tightly secured.
2. Extend the exhaust hose and hold it in alignment with a duct connector. Then, rotate the exhaust hose clockwise until it is securely mounted onto the duct connector.
3. Unfold the exhaust hose to your preferred length.

Note: Three pieces of exhaust hoses are included in the package. You can attach them to the cool air outlet or warm air outlet as needed.

Positioning the AC unit

The portable air conditioner can be used in various spaces to create a comfortable environment. Since one side of the AC outlet emits cool air (marked with the  symbol) while the other side expels warm air (marked with the ) symbol), it's important to position the exhaust hoses correctly to achieve the most efficient cooling effect.

1. AC unit placed inside a tent

- Position it in a tent with the cool air outlet facing inward;
- Connect exhaust hose(s) to the warm air outlet, directing them outside the tent through a suitable opening or flap.

2. AC unit placed outside a tent

- Place the unit with the warm air outlet facing away from the tent;
- Attach exhaust hoses to cool air outlet and direct cooling air into the tent through suitable opening or flap.

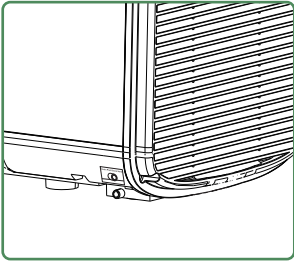
INSTALLATION GUIDE

3. AC unit placed indoors or in an RV

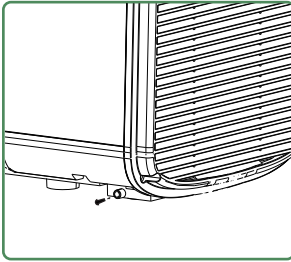
- Connect two exhaust hoses to the warm air outlet of the AC unit and extend them to the proper length.
- Guide the hose through your window to direct warm air out of the room.

Connecting to a drain hose

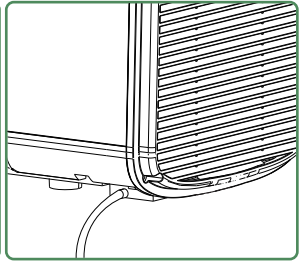
In most cases, the portable air conditioner doesn't need a drain hose attached. Just ensure that the Auto Drain is activated and the drain plug is in place. If you want to dehumidify the space, switch to Dry mode and connect the unit to a drain hose.



Step One: Locate the drain port on the AC unit.



Step Two: Remove the drain plug and store it properly.



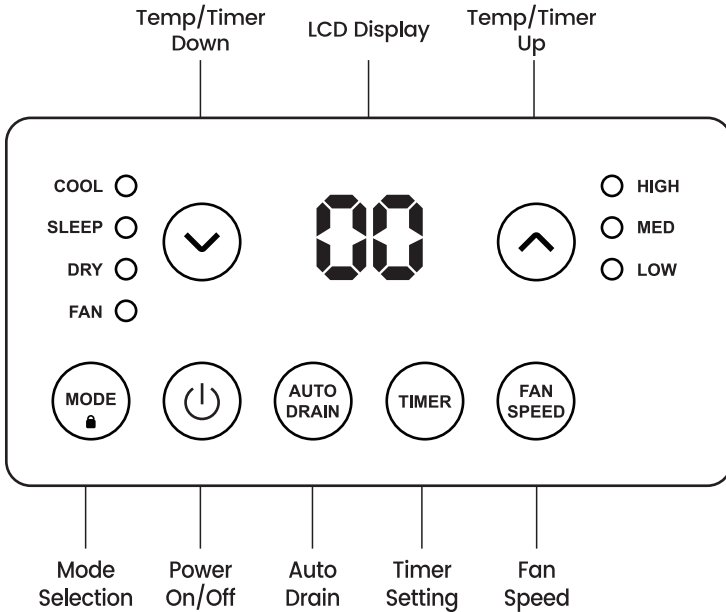
Step Three: Insert the drain hose into the drain port.

Mounting the remote on the AC unit

1. Ensure the unit surface is smooth and dry, free from dust or debris.
2. Peel off the protective backing from one side of the included 3M double-sided tape, and apply the tape to the matching position on the back of the mount holder, ensuring they are firmly attached.
3. Peel off the other side of the tape backing, and press the entire mount holder firmly against your desired spot on the unit surface.
4. Let the 3M tape set and bond with the air conditioner surface for about 24 hours until it's securely in place. Then, you can place the remote control into the mount holder.

FUNCTION OVERVIEW

Control Panel Illustration



Features

Celsius to Fahrenheit Conversion

The temperature setting on the air conditioner is initially configured in Celsius by default. To convert it to Fahrenheit, press and hold the [↶] and [↷] buttons on the AC unit simultaneously for 3 seconds.

Please be aware that this conversion is only applicable in Cool and Sleep modes. Furthermore, it is not possible to switch the scale of temperature using the remote control.

24-Hour Timer

Use the timer to schedule your air conditioner to automatically turn on or off within a maximum duration of 24 hours. It helps conserve energy and prevent feeling too cold at night during sleep.

Please note that the 24-hour timer is for one-time operation only; it cannot be set to repeat. You'll need to manually set the timer each time for the same duration.

FUNCTION OVERVIEW

Automatic Screen Lock

After 60 seconds of inactivity on the control panel, it will automatically lock, rendering buttons unresponsive.

To unlock the control panel, press and hold the [MODE] button for 3 seconds. Alternatively, you may use the remote control to operate the AC unit, and the panel will unlock automatically.

Four Modes Available

This portable tent air conditioner offers 4 modes to customize your space comfort to your preference. The flexible four-in-one design allows you to enjoy all the fun of outdoor adventures in a much more comfortable way.

Mode	Cool	Sleep	Dry	Fan
Application Scenario	Cool down your space in summer	Enjoy a cool night's sleep efficiently	Dehumidify your living space	Works as a fan to dry your clothes
Temperature	16-32°C/60-89°F Adjustable	16-32°C/60-89°F Adjustable	HO No Temperature	Fixed at 25°C and Only in Celsius
Fan Speed	High, Medium, Low	Low	High, Medium, Low	High, Medium, Low
Timer	Applicable	Applicable	Applicable	Applicable
Water Drain	Auto Drain	Auto Drain	Drain Hose	Auto Drain

Child Lock Protection

The integrated child lock design keeps children from tampering with the AC unit, reducing the risks of accidents at the presence of children. Hold down the [MODE] button for 3 seconds to enable child lock protection. To disable the child lock, simply repeat the process.

Power-off Memory Function

The convenient power-off memory function allows the air conditioner to operate seamlessly after unexpected power failure.

In the event of an unexpected power failure or the need to terminate the device during a program cycle, it will autonomously preserve the current settings and resume operation upon being powered on again.

FUNCTION OVERVIEW

However, if the air conditioner is manually turned off or switched off on a timer, it will not restore the previous settings upon re-connection. Instead, it will solely transition to standby mode upon being re-plugged.

Auto Drain

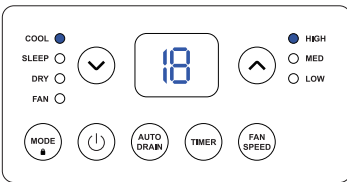
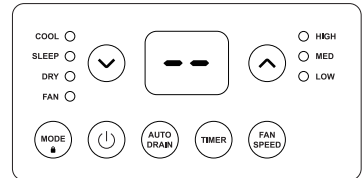
The AC unit functions by circulating refrigerant through a closed system to remove heat and humidity from indoor air, during which moisture will accumulate inside the device. The THG45A offers the Auto Drain function to automatically vaporize and expel the collected condensation water through exhaust hoses. No drain hose connection is required.

In instances where the Dry Mode is selected to dehumidify the space, or in conditions of excessive humidity, you can deactivate Auto Drain and connect the drain hose to the drain port to prevent water overflow.

OPERATION INSTRUCTIONS

Power On/Off & Standby Mode

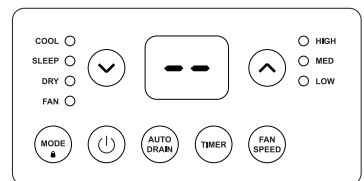
Plug in the air conditioner via the built-in AC power connector. After being connected to power, it will enter standby mode and the control panel will display as showed:



Next, press the power button on the AC unit or on the remote control to turn on the air conditioner. The default setting is the Cool mode at 18°C/64°F, with High fan speed.

The temperature display defaults to Celsius with each power cycle. To switch to Fahrenheit, if needed, press and hold the [^] and [v] buttons on the AC simultaneously for 3 seconds.

When the AC unit is running, press the power button to enter standby mode. The compressor will stop working immediately, but the airflow through the warm air outlet will not stop until later.



OPERATION INSTRUCTIONS

NOTE: After 60s of inactivity on the control panel, it will automatically lock, rendering buttons unresponsive (though the target temperature value will flash on the display with each press). Press and hold the [MODE] button for 3 seconds until it emits two beeps to unlock.

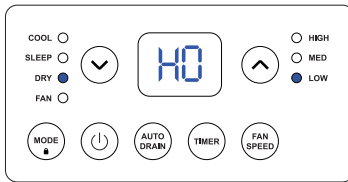
Mode Selection

Press the [MODE] button to cycle through the 4 modes: Cool, Sleep, Dry, and Fan. When a mode is chosen, its matching indicator will illuminate.

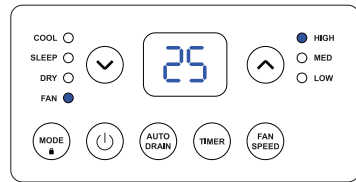
Temperature Adjustment

In Cool and Sleep modes, the target temperature is adjustable from 16°C/60°F to 32°C/89°F. Press the [▲] or [▼] button to change the temperature in increments of 1°C/2°F. The default setting is 18°C/64°F.

In Dry or Fan mode, the [▲] and [▼] buttons will not be functional for temperature adjustment. The display will indicate [HO] for minimal temp protection in Dry mode and [25] for fixed temp level in Fan mode.



Temperature Display in Dry Mode



Temperature Display in Fan Mode

Fan Speed Setting

The fan speed can be adjusted from High, Medium, to Low levels in Cool, Dry, and Fan modes, with High Speed as the default setting. Simply press the [FAN SPEED] button to select your desired airflow speed.

In Sleep mode, the default fan speed is set to Low and remains fixed.

Timer Setting

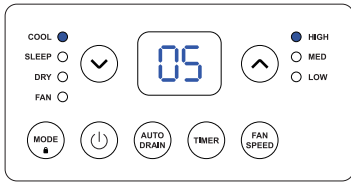
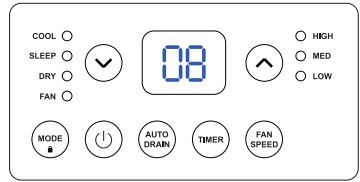
The 24-hour timer function allows you to run the air conditioner for your desired period of time, making operation more convenient.

Programmed Start-up: While the AC is in standby mode, it can be programmed to commence operation at specified times.

OPERATION INSTRUCTIONS

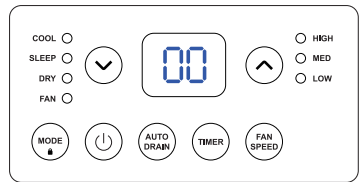
Programmed Shut-down: During AC operation in any mode, it can be scheduled to automatically turn off and enter standby mode when the timer reaches its endpoint.

Press the [TIMER] button, and the timer length will flash on the display (After 3s of inactivity, the timer setting will auto exit).



Press the [\uparrow] or [\downarrow] buttons to set your desired duration time in 1-hour increments. The selected number will flash three times before auto exiting the timer setting.

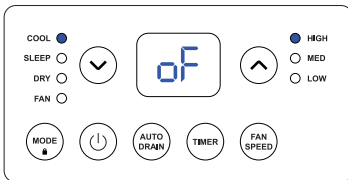
To cancel a timer, press and hold the [TIMER] button for 3s until the display shows "00," accompanied by two beeps emitted simultaneously by the device.



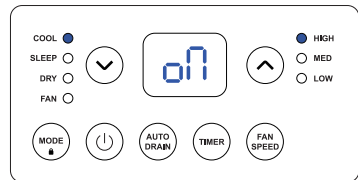
When the timer ends, the AC unit will stop working and emit two beeps as a reminder. It will then enter standby mode.

Auto Drain

The Auto Drain function is activated by default upon powering on the AC unit. Under this setting, accumulated moisture is vaporized and expelled through exhaust hoses. Thus, you only need to ensure that the drain plug is tightened, and no drain hose needs to be attached.



"of" symbol for Auto Drain enabled



"on" symbol for Auto Drain disabled

In Cool, Sleep, and Fan modes, the Auto Drain can remain activated by default. In Dry mode, please deactivate the Auto Drain. Then, remove the drain plug and connect it to the provided drain hose.

OPERATION INSTRUCTIONS

Error Code Explanation

Error Code	Meaning	Recommended Actions
HO	Compressor min. temperature protection	Minimum temp reached. Please set the temp higher.
E0	Communication error between the circuit board and driver board	Contact maintenance personnel.
E1	Temp sensor fault: loose connection or short circuit	Contact maintenance personnel.
E2	Overvoltage protection	Ensure that the power supply matches the required voltage.
E3	Under-voltage protection	Ensure that the power supply matches the required voltage.
E4	Compressor phase failure protection	Contact maintenance personnel.
E5	Compressor motor stall protection	Contact maintenance personnel.
E6	Phase current abnormal protection	Contact maintenance personnel.
E7	Software overcurrent protection	Contact maintenance personnel.
E8	Hardware overcurrent protection	Contact maintenance personnel.

MAINTENANCE & CLEANING

It's advisable to clean the air conditioner surface and its filter regularly to keep it in good condition and ensure efficient operation. However, remember to unplug the portable air conditioner before cleaning it.

Exterior Cleaning

Use a soft, damp cloth to wipe clean the dust buildup on the surface of the AC unit. Neutral detergents are acceptable for cleaning, but avoid abrasive cleaners or harsh chemicals as they may damage the finish.

Pay special attention to the air inlets and outlets to remove any dust or debris buildup that could obstruct airflow.

MAINTENANCE & CLEANING

Filter Cleaning

The filter is recommended to be cleaned once a month. Given that dismantling the unit is necessary to access the filter, it's advisable to have a certified technician handle the cleaning process. Alternatively, you can follow the steps below to remove the filter from the AC unit.

1. Place the unit on a table for easy handling without tilting the device.
2. Use a screwdriver to loosen the securing screws located on the four corners of the Duct Connector Mount. Then, pull out the Mount, remove the filter, and soak it in warm water.
3. Brush off dust and debris from the filter and rinse it thoroughly.
4. Allow the filter to air dry completely after wiping it with a clean cloth. Avoid drying it under direct sunlight to prevent deformation.
5. Once dry, reinsert the filter and secure it with the screws.

Device Storage

You can follow these steps for proper storage during long periods of non-use to preserve performance and lifespan of the portable AC unit.

- Firstly, unplug the unit and allow it to cool.
- Detach the drain hose, if attached. Tilt the unit slightly to the drain port side to remove the remaining condensation water inside the device.
- Clean and dry the filter.
- Wrap the power cord neatly around the handle.
- Store it in a dry and well-ventilated place, away from direct sunlight.

TROUBLESHOOTING

If your portable air conditioner malfunctions, we recommend trying the following troubleshooting steps before contacting the manufacturer. This can help you save time and potentially resolve the issue.

The listed problems are common issues that may occur with general portable air conditioner. It's important to note that this doesn't imply that this portable air conditioner is prone to defects over time.

If the problem persists after following the recommended actions, please unplug the portable air conditioner and contact Waykar Customer Service as soon as possible for assistance.

Problems	Possible Causes	Solutions
Failure to power on	Loose cable connection	Ensure the portable AC is securely plugged into power.
Unusually slow cooling	Dirty or clogged air filter	Clean the filter.
	Blocked air inlets/outlets	Make sure the air inlets/outlets are kept clear of objects.
	Poor insulation	Check for open windows, doors, or curtains.
	Presence of other heat sources	Identify and remove the heat sources.
	Detached exhaust hoses	Reattach the exhaust hoses.
Water leakage	Uneven device placement	Position the air conditioner on a flat surface.
	Loose or missing drain plug (for Auto Drain).	Put the drain plug back into place and ensure it's tightened.
	Blocked drain port or hose	Clean the drain port or drain hose.
	Accumulation of condensed water	Attach the included drain hose to the drain port.
Device vibration with tittering sound	Refrigerant flowing sound	Normal phenomenon. No action required.
Strange Noise	Device malfunction.	Unplug it and contact Waykar support for repair and maintenance.

SPECIFICATIONS

Model	THG45A
Rated Voltage/Frequency	110V/60Hz
Cooling Capacity	4500BTU/h
Rated Current	1.8A
Rated Power	400W
Max. Input Current	2.2A
Max. Input Power	500W
Airflow Volume	150 m ³ /h or 5297 ft ³ /h
Refrigerant/Charge	R134a/160g
Maximum Working Pressure (MWP)	Suction: 0.6MPa Discharge: 2.6MPa
Maximum Allowable Pressure (MAP)	Suction: 0.6MPa Discharge: 2.6MPa
MWP of Heat Exchanger	2.6MPa
Noise Level	≤60dB(A)
Product Dimensions	19.7" × 11" × 11.8" / 50 × 28 × 30 cm
Net Weight	14 kg/31 lbs

Note:

1. Recommended working temperature for the air conditioner: 41°F to 104°F. The device may experience malfunctions outside this range.
2. Waykar reserves the right to modify the size and shape of this tent air conditioner without formal notice to the public.

WARNING

We are required by the laws of the State of California to disclose that this appliance may expose you to Styrene and its compounds, which are known to cause cancer, birth defects, and other reproductive harm in case of significant exposure over an extended period of time.

WARRANTY & CONTACT

Warranty

All Waykar products are covered under our 12-month warranty. Customers, whether purchasing directly from Waykar or through an authorized retailer, can reach out to Waykar for support. An order invoice or proof of purchase will be appreciated.

Please note that product damage caused by regular wear and tear will not be covered under warranty, and the warranty will be voided for these behaviors (including but not limited to):

1. Failing to follow the instructions in the manual.
2. Purposeful mishandling of the device.
3. Damaging the device through violent impact.
4. Exposing the device to liquids or infiltrating foreign particles.
5. Unauthorized modification or overhauling of the device.

These are our general terms for warranty service. Customers are more than welcome to contact us for any feedback or advice.

Extend Your Warranty by 1 Year

Register your product at www.waykar.com to extend your 1-year warranty by an additional year.

*Please fill out all required fields and include your Order ID and Date of Purchase if applicable.

Customer Support

For any product-related queries, kindly contact our support team at Waykar. In case of missing, displaced, or damaged dehumidifier parts, you can always reach out to Waykar support for assistance.

WAYKAR Office

🏠 805 Victory Trail Rd, Gaffney, SC 29340 USA

✉ Email: support@waykar.com

💬 Live Chat: www.waykar.com

🕒 24/7 Full-Time Response

*Have your Order Number ready before contacting customer support.

waykar



Scan the QR code
for Live Chat



@ Waykar

We hope our products will make your living space healthier and more comfortable.

Your satisfaction is our top priority.

Feel free to tag us when you share a snap on your social media.

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