

airdome 40



READ AND SAVE THESE INSTRUCTIONS

About this manual

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This user manual describes how to safely use and maintain your product. Please keep this manual in a safe place for future reference. If you transfer ownership of this product to another party, please ensure this manual is included.

Failure to observe the guidelines and warnings in this manual may result in injury or damage to the product.

WARNING

Strict adherence to this user manual is required. Failure to follow instructions may cause product damage or physical injury.

BEFORE FIRST USE

Please retrieve the Power Adapter from the packaging box.

Specifications

Adapter Input	AC 100-240V, 50/60Hz
Power Supply	24V = 2A
Rated Voltage	24V DC
Rated Power	48W
Standby Power	< 1W
Operating Conditions	Temperature: -4°F ~ 140°F (-20°C ~ 60°C)
Humidity	30%~80% RH
Dimensions	11.7 x 6.9 x 15.2 in (29.7 x 17.5 x 38.6cm)
Weight	11.7 ± 1.1 lbs (5.3 ± 0.5 kg)
Wi-Fi Module	WBR3
FCC ID	2ANDL-WBR3

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Package Contents

- 1 x Airdome™ Purifier
- 2 x Pre-Filter
- 2 x AirCAGE™ Filter
- 1 x Power Adapter
- 1 x User Manual

Important Safety Instructions

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⚠ WARNING: To reduce the risk of fire, electric shock, or other injury, please follow all instructions and safety guidelines.

General Safety

- **Only** use your air purifier as described in this manual.
- **Do not** use without removing the plastic wrap from the filter. The air purifier will not filter air, and may overheat, causing a fire hazard.
- **Do not** use the air purifier outdoors.
- **Do not** use in excessively humid areas.
- **Do not** use where combustible gases, vapors, metallic dust, aerosol (spray) products, or fumes from industrial oil are present.
- **Do not** place anything into any opening on the air purifier.
- **Do not** sit or place heavy objects on the air purifier.
- **Do not** use the air purifier if it is damaged or not working correctly, or if the cord or plug is damaged. Do not try to repair it yourself. Contact Customer Support.
- Keep away from water, and wet or damp areas. Never place in water or liquid.
- Keep away from heat sources.
- Supervise children when they are near the air purifier. Do not allow children to play with the device.
- Always unplug the air purifier before servicing.
- Not for commercial use. Household use only.

⚠ WARNING: To Reduce The Risk Of Fire Or Electric Shock, Do Not Use This Fans With Any Solid-State Speed Control Device.

⚠ WARNING: To Reduce The Risk Of Fire, Electric Shock Or Injury To Persons, Do Not Use Replacement Parts That Have Not Been Recommended By The Manufacturer (e.g.Parts Made At Home Using A 3D Printer).

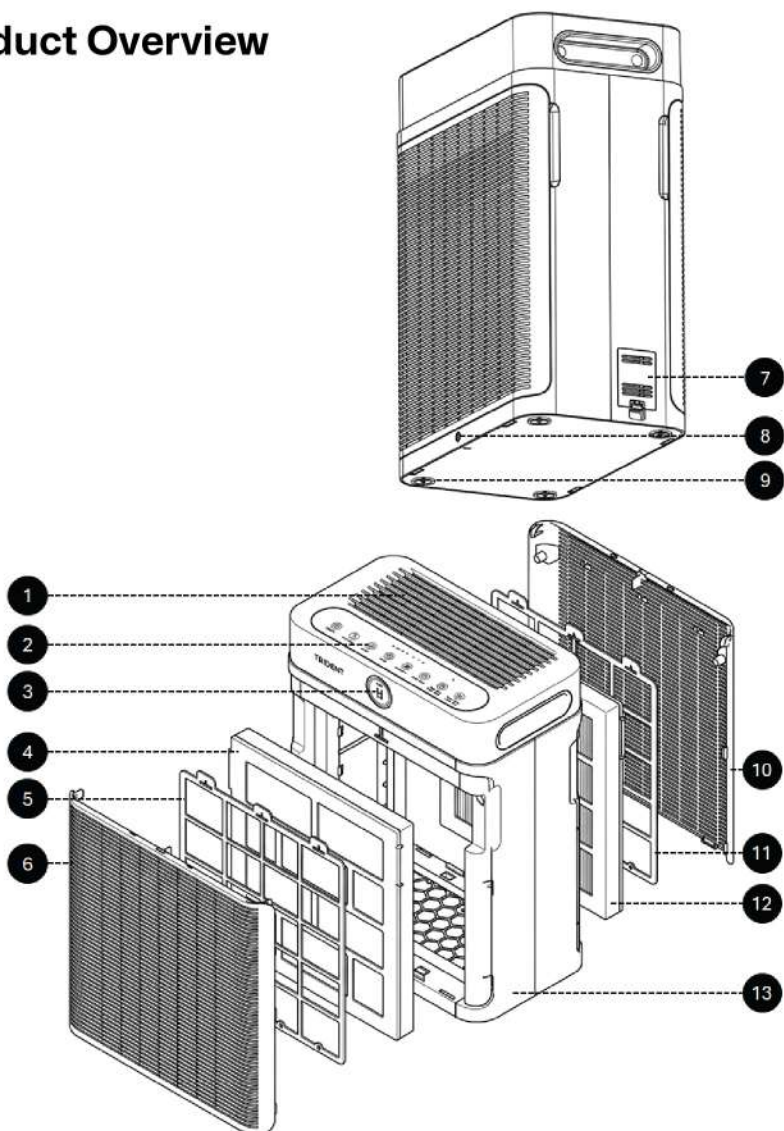
Power & Cord

- Keep the air purifier near the outlet it is plugged into.
- Never place the cord near any heat source.
- Do not cover the cord with a rug, carpet, or other covering. Do not place the cord under furniture or appliances.
- Keep the cord out of high-traffic areas. Arrange the cord so that it will not be tripped over.
- Voltage: This air purifier is rated for AC 100-240V, 50/60Hz.
- Damaged Cord: If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard.

Electromagnetic Fields (EMF)

Your air purifier complies with all standards regarding electromagnetic fields (EMF). If handled properly and according to the instructions in this user manual, the appliance is safe to use based on scientific evidence available today.

Product Overview



- | | | |
|-------------------|----------------------|--------------------|
| 1 Air Outlet | 6 Front Inlet Grille | 11 Pre-Filter |
| 2 Control Panel | 7 Sensor Compartment | 12 AirCAGE™ Filter |
| 3 Display Screen | 8 DC Input Port | 13 Main Body |
| 4 AirCAGE™ Filter | 9 Anti-Skid Feet | |
| 5 Pre-Filter | 10 Rear Inlet Grille | |

Getting Started

Step-by-Step Instructions

Step 1: Open the Unit

Pull the release handles (pull-tabs) located at the top of the Front Inlet Grille and Rear Inlet Grille to detach them from the main body.

CDNOTE: This unit has two sets of filters, one on the front and one on the back. Both grilles need to be removed.



Step 2: Remove Packaging (IMPORTANT):

Check the two AirCAGE™ filters (Front & Rear) from the main body and remove their protective plastic packaging, if any.

Step 3: Connect Power

Connect the power adapter to the DC Input Port on the unit, then plug it into an electrical outlet. All indicators on the display panel will light up for 1 second and a beep will sound. The Power Button will then glow Red, indicating the unit is in Standby Mode.

Step 4: Turn On

Tap the Power Button to turn the AirDome 40 on. When powered on, the unit defaults to Auto Mode.

Wi-Fi & App Setup



Download the App

Search for "TridentAir" or "SmartLife" in the Apple App Store or Google Play Store. Download and install the app.



Preparation

- Ensure the AirDome40 is plugged in and turned on.
- Connect your smartphone to your home Wi-Fi network.

⚠ Important: Ensure your smartphone is connected to a 2.4GHz Wi-Fi network. (This device does not support 5GHz Wi-Fi networks).

Managing Wi-Fi

You can manually enable, reset, or disable the Wi-Fi connection directly on the unit.

• Enable / Reset Wi-Fi

connect to a new network or reset the connection, press and hold the Light/Wi-Fi Button for 2 seconds while the unit is on. The Wi-Fi Indicator will flash rapidly, indicating the device is in **Pairing Mode**.

• Disable Wi-Fi

To turn off the Wi-Fi function completely, you can choose either of the following methods:

- Method 1: Press and hold the Light/Wi-Fi and Filter Reset buttons simultaneously for 3 seconds until the Wi-Fi indicator goes dark.
- Method 2: Enter Pairing Mode and do not connect any device. After 3 minutes of inactivity, the Wi-Fi function will automatically turn off and the indicator will go dark.

App Connection Steps

1. Enter Pairing Mode: Follow the **"Enable / Reset Wi-Fi"** instruction above. Ensure the Wi-Fi Indicator is flashing rapidly.
2. Add Device: Open the App. Tap the "+" icon in the top right corner.
3. Connect: Follow the on-screen prompts in the App to detect the device and enter your Wi-Fi password.
4. Complete: Once connected, the Wi-Fi Indicator will stay solid on.

Note:

- **App Version:** If you already have the App installed, please ensure it is updated to the latest version.
- **Manual Add:** If the app does not automatically detect the device, follow the in-app instructions to add the device manually.
- **Reset:** If you need to connect to a new phone, perform the "**Enable / Reset Wi-Fi**" step again. This will disconnect the current phone and re-enter Pairing Mode.

Indicator Status	Meaning
Flashing Rapidly	Pairing Mode (Ready to connect)
Solid On	Connected successfully
Off	Not connected / Connection failed

Using Your Air Purifier



Function		
 ON/OFF	Power Button	Press: Turns the AirDome 40 On or to Standby.
 Full Auto	Auto Mode	Press: Enters Auto Mode. The fan speed automatically adjusts based on real-time PM2.5 levels: • < 50 (Blue/speed I) • 51-120 (Orange/speed I) • >120 (Red/Speed III)
 Sleep	Sleep Mode	Press: Enters Sleep Mode (Quiet operation,dimmed lights). NOTE: Press any button to wake up the display.
 Timer	Timer	Press: Cycles through timer settings: 1H → 2H → 4H → 8H → Cancel.
 Fan Speed	Fan Speed	Short Press: Manually cycles through: Speed I → Speed II → Speed III
 Child Lock	Child Lock	Long Press (2s): Locks or unlocks the control panel to prevent accidental changes.
 Light Set (♥ Press 2 Sec.)	Light / Wi-Fi	Short Press: Turns the display lights On or Off. Long Press (2s): Activates Wi-Fi Pairing Mode (Indicator flashes).
 Filter Reset (Press 3 Sec.)	Filter Reset	Long Press (2s): Resets the filter replacement timer. Use this after installing new filters to turn off the alert light.

Indicator		
	Power Indicator	In Standby mode, the Power indicator glows Red; when On, it glows White.
	Timer Indicators	Illuminates to show the selected auto-off time: 1h, 2h, 4h, or 8h.
	Fan Speed Indicators	1/2/3: Illuminates corresponding to the selected fan speed.
	Wi-Fi Indicator	• Flashing: Pairing Mode (Ready to connect). • Solid On: Successfully connected to Wi-Fi. • Off: Wi-Fi is disabled or not connected.
	Filter Life Indicator	Reminder to Clean Filters • Yellow: Used 3-4 months

Display Screen		
	PM2.5 Digital Display	Shows the real-time concentration of PM2.5(particulate matter) in the air (unit: $\mu\text{g}/\text{m}^3$). NOTE: The sensor takes about 1 minute to warm up and stabilize after the unit is turned on.
	Air Quality Indicator Ring	The ring around the display changes color according to the PM2.5 value: • Blue: Good ($0-50 \mu\text{g}/\text{m}^3$) • Orange: Moderate ($51-120 \mu\text{g}/\text{m}^3$) • Red: Poor ($> 120 \mu\text{g}/\text{m}^3$) NOTE: In Auto Mode, the fan speed changes automatically according to these colors.

Additional Features

Mute Mode

You can enable Mute Mode via the Smart Apps. When enabled, the buzzer will be disabled, and the unit will not beep when buttons are pressed.

Cleaning & Maintenance

Please strictly follow these instructions to prevent hazards during cleaning and user-maintenance:

- **Electric Shock Hazard:** Never handle the power plug or the appliance with wet hands. Do not immerse the appliance, power cord, or plug in water or other liquids. Do not allow moisture to enter the motor housing, air vents, or control panel. Always ensure all parts are completely dry before plugging the appliance back into the power outlet.
- **Fire Hazard:** Do not use flammable liquids, abrasive chemicals, aerosols, or alcohol to clean any part of the appliance. Use only a soft, dry or slightly damp cloth for wiping the exterior. Never operate the appliance with a wet filter.
- **Injury Prevention:** Always ensure the appliance is turned off and the internal fan blades have come to a complete stop before opening the cover or replacing the filter. Never insert fingers or foreign objects into the air vents. Do not attempt to repair or adjust any electrical or mechanical functions on this unit yourself.

Cleaning the AirDome 40 Purifier

WARNING

- **Always unplug** the AirDome purifier before cleaning.
- **Do not** use water to clean the unit directly or spray water onto it.
- **Do not** use abrasive chemicals, flammable cleaning agents, or solvents (such as alcohol, thinner, or gasoline).

Cleaning the Exterior (Every 2-4 Weeks)

- Wipe the outside of the air purifier with a soft, dry cloth.
- For stubborn dirt, wipe with a slightly damp cloth, then immediately dry with a soft, dry cloth.

Cleaning Inlet Grilles & Pre-Filter 1 (Every 3-4 Months)

- Remove the Grilles: Pull the handles on the Front and Rear Inlet Grilles to remove them.
- Wash with mild detergent then rinse off with water.
- Wipe dry with a soft, dry cloth, then leave to air-dry completely.



Cleaning the Particle Sensor (Every 3-4 Months)

- Open the Sensor Compartment cover on the side of the unit. Use a damp cotton swab to clean the lens, then dry it with a dry cotton swab.



Cleaning the AirCAGE™ Filters (Every 3-4 Months)

- These filters are washable. Clean as necessary based on air quality and usage, using mild detergent and water. Ensure they are fully air-dried before reinstalling.
- Rinse all AirCAGE™ filters under cool water.
- Use caution when cleaning the equipment because harsh detergents that are corrosive will scratch the surface.
- Always use soft cloths to gently wipe machine surfaces.
- Avoid using alcohol or other organic solvents to clean the device because doing so could cause machine damage, electric shocks, fire, etc.
- Please unplug the machine from the electrical outlet while cleaning or when machine is unused, as doing so could result in an electric shock or a fire from a short circuit.
- Reassemble once all parts are dry.

Troubleshooting

Before contacting customer support, please check the following common issues and solutions.

Problem	Possible Solution
The air purifier will not turn on or respond to button presses.	• Plug the air purifier into a working outlet. • Check if the power cord is damaged. • Check the Filter Covers (Side Grilles): This unit has a safety shut-off feature. Ensure both the Front and Rear Inlet Grilles are completely closed and clicked into place. • Check if Child Lock is on.
Wi-Fi connection failed.	• Ensure your router is using a 2.4GHz network (5GHz is not supported). • Make sure the Wi-Fi password entered is correct. • Ensure the unit is in Pairing Mode (Wi-Fi indicator flashing rapidly).
Airflow is significantly reduced.	• Tap the Fan Speed Button to increase the fan speed. • Ensure there is at least 15 inches (38 cm) of clearance on all sides of the air purifier. • Check if the plastic packaging has been removed from BOTH filters. • The filter may be clogged. Replace the filter.
The air purifier makes an unusual noise.	• Place the air purifier on a hard, flat, level surface. • There may be a foreign object inside. Unplug the unit, remove the filters, and shake out any objects. • If the noise persists, replace the filters.
The Filter Indicator turned on too early or too late.	• The filter indicator is based on actual runtime and fan speed, not just calendar days. • Frequent high-speed use will cause the light to turn on sooner. • Infrequent use will extend the time.
High PM2.5 reading or Air Quality Ring stays Red persistently.	• Sensor Cleaning: The dust sensor lens may be dirty. Open the sensor cover and gently clean the lens with a dry cotton swab. • Humidity Interference: High humidity or nearby humidifiers can cause false high readings. Move the unit to a drier room to test.

Warranty

Applicability

This Limited Warranty applies only to new TridentAir products purchased by the original end-user purchaser from TridentAir or a TridentAir - authorized seller. This Limited Warranty is non-transferable.

Warranty Period

TridentAir warrants that the main unit will be free from defects in materials and workmanship under normal household use for two (2) years from the original date of purchase.

Proof of purchase is required for warranty service.

Coverage

This Limited Warranty covers defects in materials and workmanship under normal household use and in accordance with TridentAir's user manual, safety instructions, and product warnings.

Exclusions

This Limited Warranty does not cover normal wear and tear, cosmetic damage, discoloration, consumable parts, damage caused by misuse, abuse, neglect, improper cleaning, improper storage, mineral buildup, mold, operation without required filters, failure to follow instructions, commercial or non-household use, unauthorized repair or modification, products with removed or altered serial numbers, products purchased from unauthorized sellers, or damage caused during return shipment due to inadequate packaging by the customer.

Customer Support

Warranty:

Enjoy a two-year standard warranty, with specific terms for on-site service during the first 30 days followed by carry-in service.

Contact Details:

For assistance, email or call

- techsupport@tridentair.com
- +65 9457 3681

This manual aims to provide detailed yet clear instructions for the setup and maintenance of your Trident AirDome™ 40 Purifier, leveraging advanced AirDome™ technology for superior air quality.

For additional support, refer to the customer service section or visit the Trident Air website at www.tridentair.com/support



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Please refer to our website for the latest updates and instruction manual editions.

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