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Owner's Manual

SRCOOL12K (120V, 60 Hz) SRXCOOL12K (230V, 50 Hz) Portable Air Conditioning Unit

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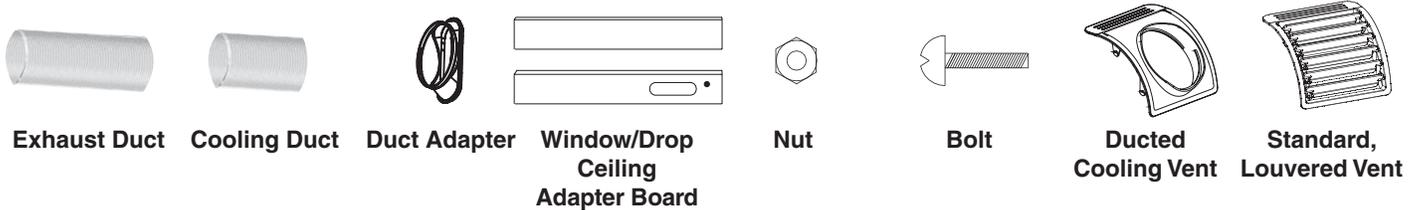
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Introduction

Tripp Lite's SRCOOL12K/SRXCOOL12K is a new generation, compact and portable air conditioner designed for specified area-cooling, emergency-cooling and off-hour cooling situations. It is ideal for use in data centers, server and wiring closets, IT environments, home and small business offices, conference rooms, warehouses, entertainment centers or in any location containing equipment that is heat-sensitive.

Providing 12,000 BTUs of cooling power, the SRCOOL12K/SRXCOOL12K was designed with practicality and convenience in mind. Not only does the unit adjust ambient room temperatures, but it can also dehumidify and filter the air, helping create better air quality and enhanced equipment performance conditions—all while minimizing noise and power consumption. Efficient, compact and mobile, the SRCOOL12K/SRXCOOL12K also provides easy-to-use features, easy installation and simple preventative maintenance operations.

The SRCOOL12K/SRXCOOL12K will include the following:



Important Safety Instructions



SAVE THESE INSTRUCTIONS

This manual contains instructions and warnings that should be followed during the installation, operation and storage of this product. Failure to heed these warnings will void your warranty.

Location Warnings

- Install your air conditioning unit indoors, away from conductive contaminants, dust or direct sunlight.
- Leave adequate space around all sides of the air conditioning unit for proper ventilation, with rear and vented sides not less than 20 inches (50 cm) from walls or other obstacles.
- Install the unit on a flat surface with a gradient no more than 10°.

Connection Warnings

- Connect your air conditioning unit directly to a properly grounded AC power outlet. Failure to do so may cause an electric shock or fire due to heat generation.
- Use the power cord that came with the air conditioning unit ONLY.
- Do not modify the air conditioner's plug, and do not use an adapter that would eliminate the unit's ground connection.
- Do not use extension cords to connect the air conditioner to an AC outlet.
- Do not share the air conditioner's outlet with other equipment. A risk of overloading the outlet exists that may cause electric shock or fire due to overheating.
- Do not operate the unit's ON/OFF function by pulling out or plugging in the air conditioner's power cord. A serious risk of electric shock can occur. Please use the unit's ON/OFF function properly.

Maintenance Warnings

- Be sure the unit is turned off and unplugged from the AC outlet before performing maintenance.
- Do not use thinners, alcohol, detergents or abrasive brushes to clean the air conditioners' cabinet. Using these items can damage the cabinet.
- Do not pour water over the unit to clean. This can cause a serious risk of shock and can damage electrical components of the unit.

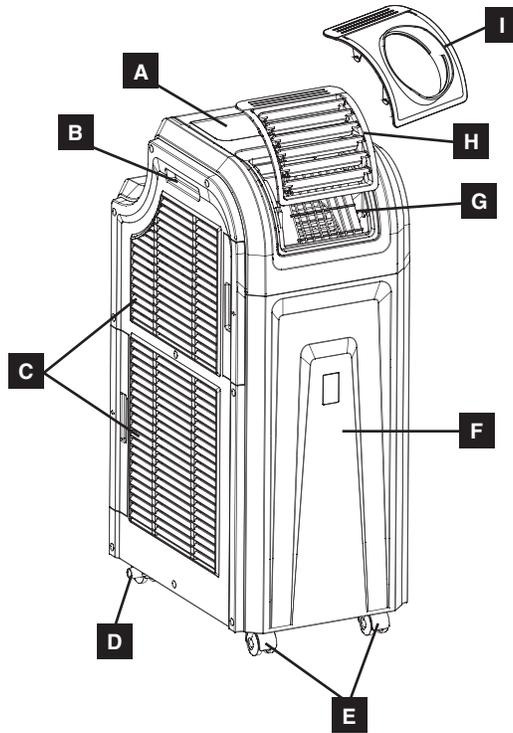
General Warnings

- Use of this equipment in life support applications where failure of this equipment can reasonably be expected to cause the failure of the life support equipment or to significantly affect its safety or effectiveness is not recommended. Do not use this equipment in the presence of a flammable anesthetic mixture with air, oxygen or nitrous oxide.
- Do not use the air conditioner in the presence of insecticides, heavy fumes, flammable gases or in extremely humid areas such as a green house.
- Do not operate this unit without the air filter. This can cause dust accumulation in the unit.
- Do not place objects on top of the air conditioning unit.

Features

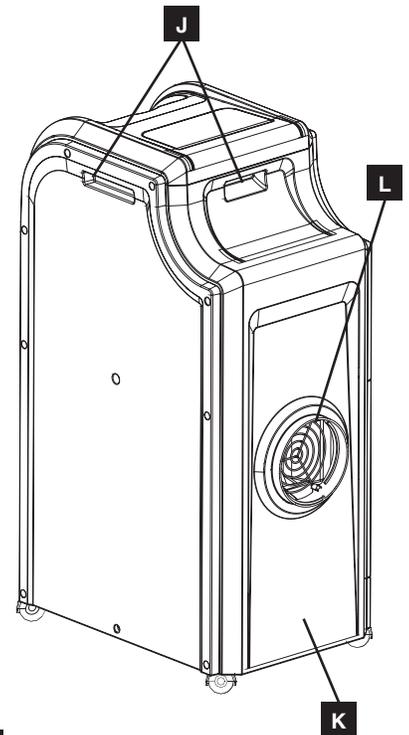
Front View

- A** Control Panel
- B** Recessed Handle
- C** Air Filter Covers
- D** Drainage Outlet
- E** Casters
- F** Front Panel
- G** Main Air Outlet
- H** Standard, Louvered Air Vent
- I** Ducted Cooling Vent



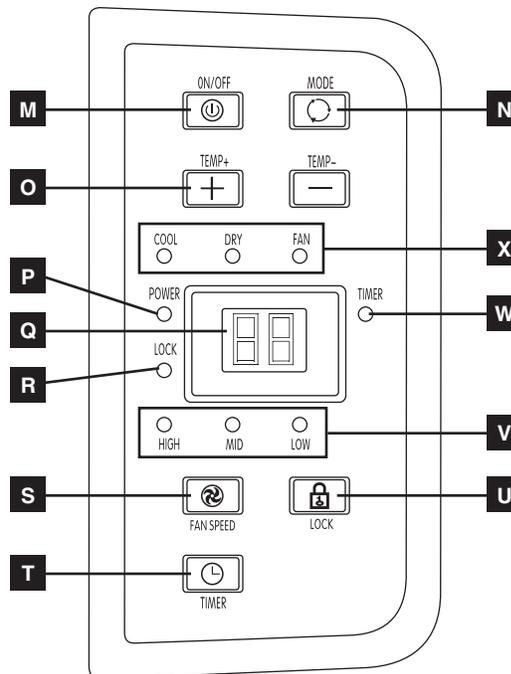
Rear View

- J** Recessed Handles
- K** Rear Panel
- L** Warm Air Exhaust Vent



Control Panel

- M** ON/OFF Button
- N** MODE Button
- O** TEMPERATURE CONTROL Buttons
- P** POWER LED
- Q** DISPLAY LCD
- R** LOCK LED
- S** FAN SPEED Button
- T** TIMER Button
- U** LOCK Button
- V** FAN SPEED LEDs
- W** TIMER LED
- X** MODE-FUNCTION LEDs



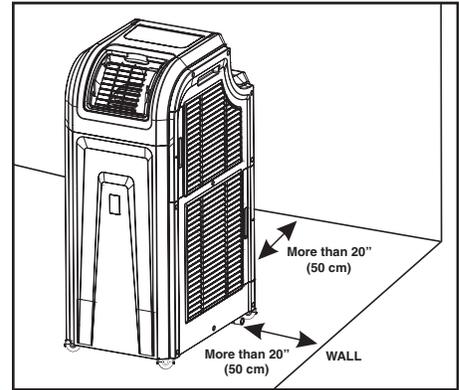
Installation

Upon removing the air conditioning unit from the box, check for any signs of shipping damage or missing parts (refer to parts list on page 2). If you notice signs of damage or missing parts, do not try to operate the unit. Visit www.triplite.com/support for service.

Select a Proper Location

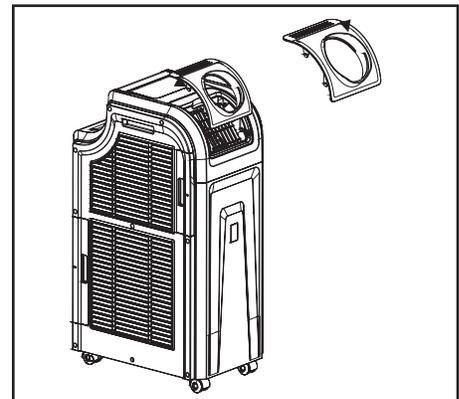
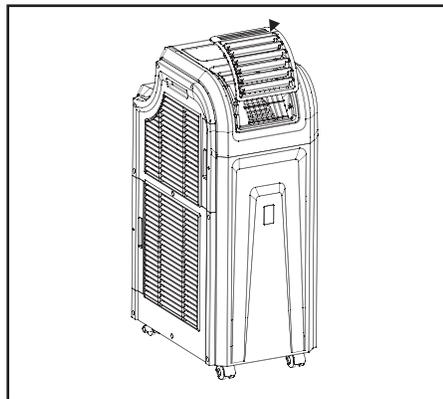
Install your portable air conditioner on a flat, level surface with rear and vented sides not less than 20 inches (50 cm) from walls or other obstacles (see diagram). Be sure to install the unit close to a properly grounded outlet. Also be sure the unit is placed near enough to a window, or in a convenient spot for Window/Drop Ceiling installation. Wall outlet should have a power supply consistent with that of the printed tag on the air conditioning unit, 90-110% of its rated voltage.

Note: Do not use an extension cord to plug in the unit. This appliance should be installed in accordance with national and local wiring regulations.



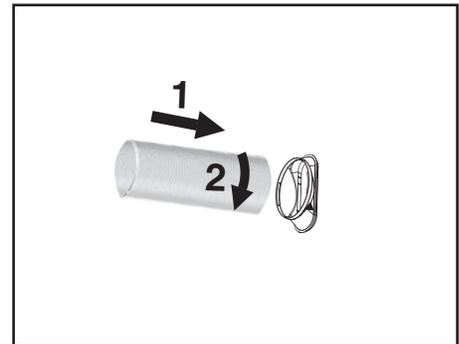
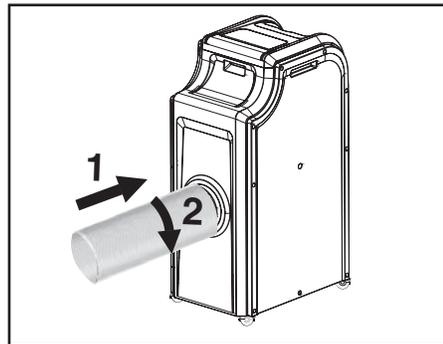
Installing Standard, Louvered Air/Ducted Cooling Vents

To remove, hold the upper portion of the selected vent (Standard, Louvered Air Vent for room cooling, Ducted Cooling Vent for ducted cooling), pull it outwards and upwards toward you. To install or replace, position the vent into the slot, and snap it down into place.



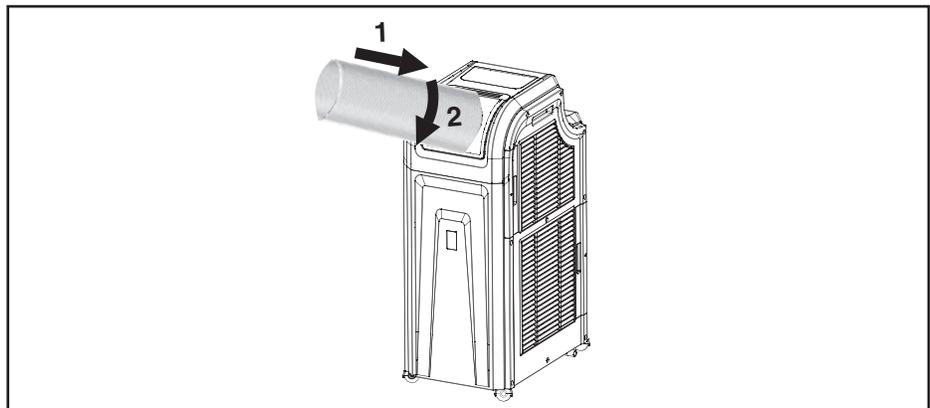
Exhaust/Cooling Duct Mounting Instructions

Affix one end of the duct (longer tube) to the Warm Air Exhaust Vent on the back panel of the unit. Pushing inward, turn the duct clockwise into the outlet as seen in the diagram, being sure the duct is connected solidly. Connect the Duct Adapter to the other side of the duct in the same manner. You are now ready for Window/Drop Ceiling Kit installation described in the next section.



For Ducted Cooling

Attach Ducted Cooling Vent to the unit's Main Air Outlet. Affix one end of the duct (shorter tube) to the Ducted Cooling Vent by pushing downwards and turning the duct clockwise into the vent as seen in the diagram, being sure the duct is connected solidly. The other end of the duct can now be placed in a specific location for isolated cooling, such as in a wiring closet or attached to a rack configuration.



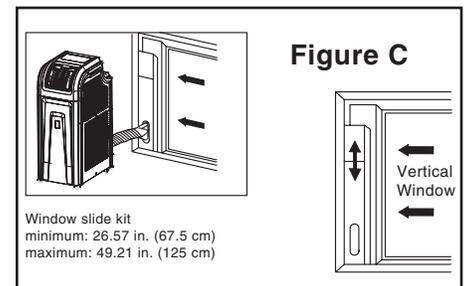
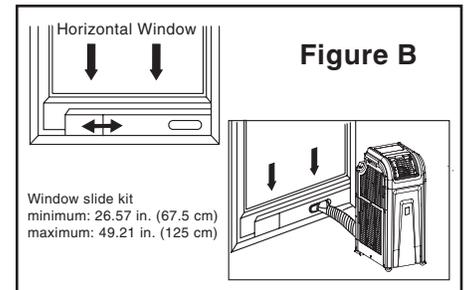
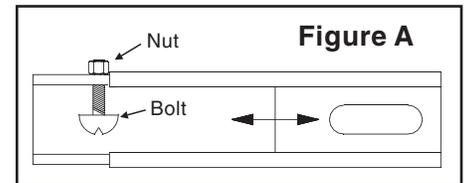
Installation

Window Kit Installation

Your portable air conditioner's Window/Drop Ceiling Kit has been designed to fit most standard vertical and horizontal window applications. It may be necessary to modify some aspects of the installation process for certain types of windows. In both typical and modified installations, the user must determine the fitness of hardware and procedures before mounting. The procedures described in this manual are for common window types and may not be appropriate for all applications.

The Window/Drop Ceiling Kit's Adapter Board can accommodate a minimum window opening of 26.57 inches (67.5 cm) and a maximum of 49.21 inches (125 cm).

1. Measure your window's opening and adjust the Adapter Board accordingly. When the correct measurement is determined, lock the board in place using the supplied nut and bolt (see Figure A).
2. Attach the Exhaust/Cooling Duct with the Duct Adapter into the oblong hole in the Window/Drop Ceiling Kit's Adapter Board. The adapter will snap into place.
3. Insert the Window/Drop Ceiling Kit's Adapter Board into your window's opening as seen in Figure B or C. Vertical or horizontal mounting will depend on your application.
4. Simply close the window appropriately, providing a tight seal against the Window Kit's Adapter Board. A tight seal will ensure the unit's efficiency.

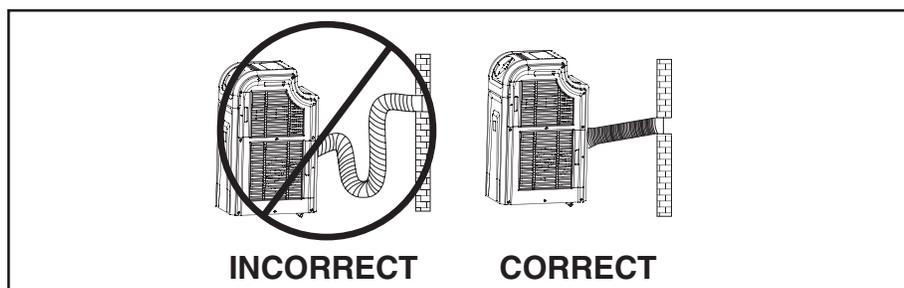
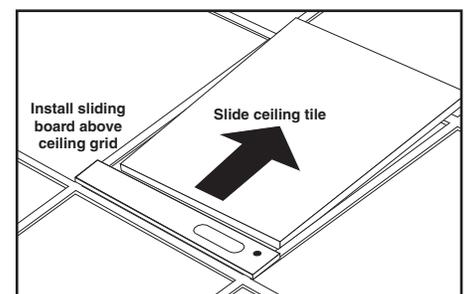
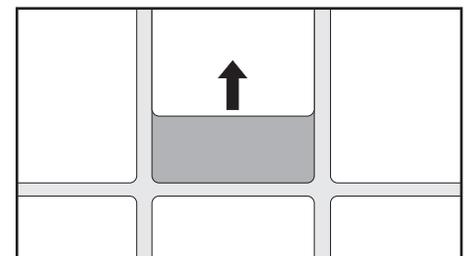


Drop Ceiling Installation

It may be necessary to modify some aspects of the installation process for certain types of ceilings. In both typical and modified installations, the user must determine the fitness of hardware and procedures before installing. The procedures described in this manual may not be appropriate for all applications.

1. Measure the dimensions of your ceiling grid and adjust the Adapter Board accordingly. The Adapter Board should measure slightly longer than the spacing in the grid so that it may rest directly on top of the grid panels. When the correct measurement is determined, lock the board in place using the supplied nut and bolt (see Figure A.)
2. Attach the Exhaust/Cooling Duct with the Duct Adapter into the oblong hole in the Window/Drop Ceiling Kit's Adapter Board. The adapter will snap into place.
3. Slide your ceiling tile out of the way and place the Adapter Board inside the ceiling space, on top of the grid panels as seen in the diagram. Note: There should be at least 10 to 15 inches of space above the Exhaust/Cooling Duct so that the duct is not blocked.
4. Slide your ceiling tile back into place as far as it will go. Be sure to slide the tile back as far as it can go to ensure the unit's efficiency.

Note: The Exhaust Duct (longer tube) can be stretched to a maximum length of 118 inches (300 cm). It is better to keep the duct's length to a minimum. Excessive stretching or bending of the duct will affect cooling efficiency.



Operation

Before beginning operating procedures, be sure your air conditioning unit is properly plugged into an appropriately grounded outlet and the Exhaust/Cooling Duct is properly installed for your application.

Note: Do not use an extension cord to plug in your unit.

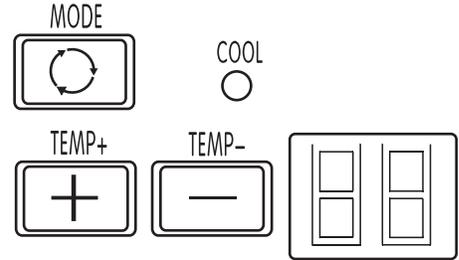
Power

Turn the SRCOOL12K/SRXCOOL12K on or off by pressing the ON/OFF Button.



Cool

Activate the Cool Mode by pressing the MODE Button. Pressing the MODE Button will sequentially cycle between Cooling, Dehumidifying and Fan Modes. You will know you have reached Cool Mode when the COOL LED illuminates.



To set the temperature in Cool Mode, press the TEMP+ and TEMP- Buttons. The temperature selected will display in the Display LCD.

To set the fan speed in Cool Mode, press the FAN SPEED Button. Pressing the FAN SPEED Button will sequentially cycle between High, Medium and Low. You will know which speed you have reached when the appropriate LED illuminates.



Dehumidify

Activate the Dehumidify Mode by pressing the MODE Button. As it cycles through modes, you will know when you have reached Dehumidify Mode when the DRY LED illuminates. In this mode, the fan will run at a fixed speed and temperature controls become irrelevant. Be sure to close all windows and doors for optimal performance in this mode.



Fan

Activate the Fan Mode by pressing the MODE Button. As it cycles through modes, you will know when you have reached Fan Mode when the FAN LED illuminates.



To set the fan speed in Fan Mode, press the FAN SPEED Button. Pressing the FAN SPEED Button will sequentially cycle between High, Medium and Low. You will know which speed you have reached when the appropriate LED illuminates.



Timer

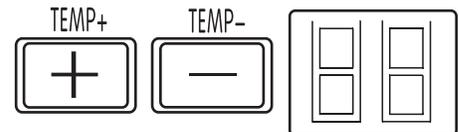
The TIMER Button allows you to set an automatic turn-on or shut-off function in a number of hours preset by the user. TIMER Mode will be indicated by the TIMER LED illuminating.



Timer On

Note: Unit must be OFF to activate the Timer On function.

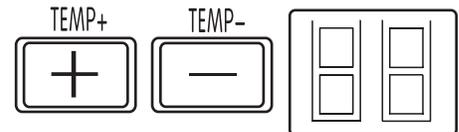
Activate the timer by pressing the TIMER Button. Press the TEMP+ and - Buttons to set the time (in hours) that you want the unit to turn on. The number of hours will display in the Display LCD. Press the TIMER Button again to confirm your time. Be sure that your Mode, Temperature and Fan Speed settings are all correct before accessing the Timer On function.



Timer Off

Note: Unit must be ON to activate the Timer Off function.

Activate the timer by pressing the TIMER Button. Press the TEMP+ and - Buttons to set the time (in hours) that you want the unit to turn off. The number of hours will display in the Display LCD. Press the TIMER Button again to confirm your time.



System Lock

Activate a System Lock function by pressing the LOCK Button. You will also see the LOCK LED illuminate. During a System Lock, all function buttons will be disabled, so as not to disturb settings. To Unlock, simply press the LOCK Button again.



Operation

Dealing with Condensation

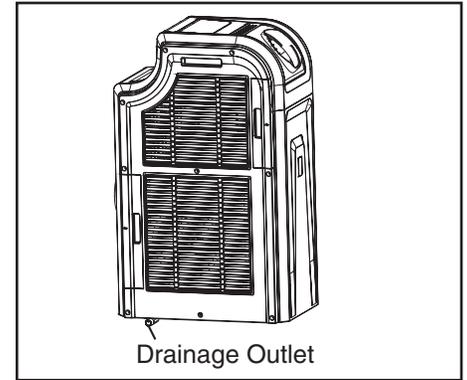
Over time, condensation will form when the SRCOOL12K/SRXCOOL12K is in Cool or Dehumidify Modes. This unit offers a built-in evaporator that takes this condensation and re-evaporates it back into the hot exhaust stream. The unit contains no user-removable tank that requires emptying.

A Drainage Outlet on the side of the unit exists for those wanting a dedicated drainage system instead of re-evaporation. Simply connect a draining tube to the Drainage Outlet and run the tube to your facility's drainage receptacle.

For those opting to use a dedicated drainage system, if the drainage system becomes clogged, there is a small internal reservoir that will collect the water until the system is cleared. If not cleared in time or if the reservoir fills, the unit will automatically shut down.



Before implementing a dedicated drainage system, be sure the power is off and the unit is unplugged! Failure to heed this warning may result in electrical shock!



General Maintenance

The SRCOOL12K/SRXCOOL12K has been designed to give you many years of dependable service. It is important, however, to care for the unit and practice routine maintenance procedures to insure proper and efficient functioning.

Cleaning the Air Filters

It is important to keep the air filters clean and free of dust. When the filters become dirty or covered in dust, it decreases the cooling effect and can threaten air quality. Tripp Lite recommends cleaning the filters at least once every two weeks.



Before cleaning the air filters, turn the unit off and be sure it is unplugged! Failure to heed this warning may result in electrical shock or other personal injury!

1. Slide out the Air Filter Covers as seen in the diagram.
2. Remove the air filters and wash it in warm water with a neutral detergent. **DO NOT** put the filters into a dishwasher or use harsh detergents or chemicals. Let the filters air dry completely. *Note: DO NOT use hot water over 104°F (40°C) to clean the filters.*
3. Replace the filters and slide the Air Filter Covers back into their original position. You are now ready to replace the unit to its original location and resume normal use.

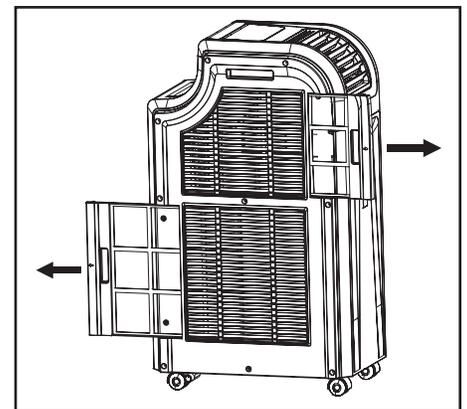
Cleaning the Cabinet

It is recommended that the cabinet be cleaned periodically to avoid excess dust build up.



Before cleaning the cabinet, turn the unit off and be sure it is unplugged! Failure to heed this warning may result in electrical shock or other personal injury!

1. Wipe down the unit with a dry, non-abrasive cloth. Do not use gasoline, benzene, thinners or other harsh chemicals as this can seriously damage the surface. Never pour water directly over the unit or into the working parts. This will cause deterioration of electrical components, wiring insulation and poses a threat of electrical shock.
2. In extreme cases, wipe down the unit with a damp cloth to remove residue.



Troubleshooting

To save time on service calls, please try the following suggestions if your unit does not appear to work properly. For any problems not covered, or if problems persist after troubleshooting, please visit www.tripplite.com/support for service.

Problem	Possible Cause	Solution
Unit does not start.	• Power is not on.	• Turn on the power.
	• Unit is not plugged in.	• Plug unit into the wall.
	• Main power is off.	• Check fuses or circuit breaker.
	• Condensate tank is full.	• Drain the unit.
Poor cooling performance.	• Air exhaust or intake is blocked.	• Check that all ducts and intake valves are clear of obstructions.
	• Temperature set too high/low.	• Adjust temperature setting.
	• Fan speed set too high/low.	• Adjust fan setting.
	• Dirty air filter.	• Clean the filter.
Unit leaks water.	• Drainage valve is open.	• Close drainage valve.
Excessive noise or vibration.	• Un-level surface.	• Move unit to a level, stable surface.

Storage and Service

Storage

Before storing the unit for any considerable length of time, be sure that the Exhaust Duct and all vents are secured or removed and cared for properly. Also be sure to drain the unit of condensation before storing.

Service

Your Tripp Lite product is covered by the warranty described in this manual. A variety of Extended Warranty and On-Site Service Programs are also available from Tripp Lite. For more information on service, visit www.tripplite.com/support. Before returning your product for service, follow these steps:

1. Review the installation and operation procedures in this manual to insure that the service problem does not originate from a misreading of the instructions.
2. If the problem continues, do not contact or return the product to the dealer. Instead, visit www.tripplite.com/support.
3. If the problem requires service, visit www.tripplite.com/support and click the Product Returns link. From here you can request a Returned Material Authorization (RMA) number, which is required for service. This simple on-line form will ask for your unit's model and serial numbers, along with other general purchaser information. The RMA number, along with shipping instructions will be emailed to you. Any damages (direct, indirect, special or consequential) to the product incurred during shipment to Tripp Lite or an authorized Tripp Lite service center is not covered under warranty. Products shipped to Tripp Lite or an authorized Tripp Lite service center must have transportation charges prepaid. Mark the RMA number on the outside of the package. If the product is within its warranty period, enclose a copy of your sales receipt. Return the product for service using an insured carrier to the address given to you when you request the RMA.

Warranty

1-YEAR LIMITED WARRANTY

Seller warrants this product, if used in accordance with all applicable instructions, to be free from original defects in material and workmanship for a period of 1 year from the date of initial purchase. If the product should prove defective in material or workmanship within that period, Seller will repair or replace the product, in its sole discretion. Service under this Warranty can only be obtained by your delivering or shipping the product (with all shipping or delivery charges prepaid) to: Tripp Lite; 1111 W. 35th Street; Chicago IL 60609; USA. Seller will pay return shipping charges.

THIS WARRANTY DOES NOT APPLY TO NORMAL WEAR OR TO DAMAGE RESULTING FROM ACCIDENT, MISUSE, ABUSE OR NEGLIGENCE. SELLER MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY EXPRESSLY SET FORTH HEREIN. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ALL IMPLIED WARRANTIES, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE; AND THIS WARRANTY EXPRESSLY EXCLUDES ALL INCIDENTAL AND CONSEQUENTIAL DAMAGES. (Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may have other rights which vary from jurisdiction to jurisdiction).

Tripp Lite; 1111 W. 35th Street; Chicago IL 60609; USA

WARNING: The individual user should take care to determine prior to use whether this device is suitable, adequate or safe for the use intended. Since individual applications are subject to great variation, the manufacturer makes no representation or warranty as to the suitability or fitness of these devices for any specific application.

WARRANTY REGISTRATION

Visit www.tripplite.com/warranty today to register the warranty for your new Tripp Lite product. You'll be automatically entered into a drawing for a chance to win a FREE Tripp Lite product!*

* No purchase necessary. Void where prohibited. Some restrictions apply. See website for details.

Regulatory Compliance Identification Numbers

For the purpose of regulatory compliance certifications and identification, your Tripp Lite product has been assigned a unique series number. The series number can be found on the product nameplate label, along with all required approval markings and information. When requesting compliance information for this product, always refer to the series number. The series number should not be confused with the marking name or model number of the product.

Tripp Lite follows a policy of continuous improvement. Product specifications are subject to change without notice.



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