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› [TRIPP LITE](#) /

› [Tripp Lite SRCOOL12K 12000 BTU Spot Cooler Air Conditioner User Manual](#)

TRIPP LITE SRCOOL12K

Tripp Lite SRCOOL12K 12000 BTU Spot Cooler Air Conditioner User Manual

Model: SRCOOL12K | Brand: TRIPP LITE

1. INTRODUCTION

The Tripp Lite SRCOOL12K is a self-contained, portable air conditioning unit designed to provide 12,000 BTU (3.5kW) of cooling power. This unit is ideal for managing heat in IT environments such as server rooms, network closets, and data center hot spots. It helps prevent equipment shutdowns, malfunctions, and failures caused by overheating or fluctuating temperatures. The SRCOOL12K also features dehumidification and air filtration capabilities to enhance equipment performance and air quality.

This manual provides essential information for the safe and efficient operation of your SRCOOL12K unit, including setup, operation, maintenance, and troubleshooting.

2. SAFETY INFORMATION

- **Electrical Safety:** Always connect the unit to a properly grounded 120V, 15-amp dedicated outlet. Do not use extension cords or adapters. Ensure the power cord is not damaged or pinched.
- **Placement:** Position the unit on a stable, level surface. Ensure adequate clearance around the unit for proper airflow. Do not block air intake or exhaust vents.
- **Handling:** Use caution when moving the unit due to its weight (73.9 lbs). Utilize the built-in casters for portability.
- **Maintenance:** Disconnect power before performing any maintenance or cleaning.
- **Water Drainage:** While the unit features a built-in evaporator, monitor for any potential water overflow, especially in high-humidity environments. If necessary, connect an optional drain hose.
- **California Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- Tripp Lite SRCOOL12K Portable Air Conditioning Unit
- Flexible Cold Air Output Hose (71-inch)

- Directional Cold Air Output Nozzle
- Exhaust Ducting Kit (for hot air expulsion)
- Owner's Manual



Figure 3.1: SRCOOL12K unit with included accessories, including the flexible hose and nozzle.

4. SETUP

4.1 Unit Placement

Place the SRCOOL12K unit on a flat, stable surface. The built-in casters allow for easy positioning. Ensure the unit is near a dedicated 120V, 15-amp electrical outlet.



Figure 4.1: Proper placement of the SRCOOL12K next to a server rack.

4.2 Power Connection

Plug the unit's power cord directly into a dedicated 120V, 15-amp grounded electrical outlet. Avoid using power strips or extension cords.

4.3 Air Output and Exhaust Setup

The SRCOOL12K offers flexible options for directing cold air and expelling hot air:

1. **Direct Cooling:** For general room cooling, the unit can operate with its louvered vent directing cold air into the space.
2. **Spot Cooling:** Attach the flexible cold air output hose and directional nozzle to target specific hot spots, such as an overheated rack enclosure or equipment.
3. **Hot Air Exhaust:** Utilize the included ducting exhaust kit to vent hot air away from the cooled area. This is crucial for efficient operation, especially in enclosed spaces. The exhaust can be directed into a drop ceiling or an adjacent room.



Figure 4.2: SRCOOL12K with the hot air exhaust tube for expelling heat.



Figure 4.3: Flexible cold air output hose directing cool air into a server rack.

4.4 Condensate Management

The SRCOOL12K features a built-in evaporator that expels condensed water through the directional exhaust duct, generally eliminating the need for a drain tube or water collection tank. However, in environments with exceptionally high humidity, it may be necessary to connect an optional drain hose to prevent potential overflow. Consult the manufacturer's guidelines for

specific recommendations regarding drain hose installation if required.

4.5 Optional Remote Management (SRCOOLNET2LX)

For advanced monitoring and control, the optional SRCOOLNET2LX network card (sold separately) can be installed. This accessory transforms the SRCOOL12K into a network-manageable device, allowing you to monitor temperatures, receive alerts, review logs, and control settings remotely via SNMP, web browser, SSH, or Telnet.

Your browser does not support the video tag.

Video 4.1: Overview of the SRCOOLNET accessory for remote management of the SRCOOL12K unit.

5. OPERATING INSTRUCTIONS

5.1 Control Panel Overview

The control panel is located on the top of the unit and features several buttons and a digital display.



Figure 5.1: SRCOOL12K Control Panel.

5.2 Basic Operation

1. **Power On/Off:** Press the **POWER** button to turn the unit on or off.
2. **Set Temperature:** Use the **TEMP+** and **TEMP-** buttons to adjust the desired temperature. The digital display will show the set temperature.
3. **Select Function:** Press the **FUNCTION** button to cycle through operating modes: Cooling, Dehumidifying, and Fan.
4. **Adjust Fan Speed:** Press the **SPEED** button to select fan speed: Low, Mid, High, or Auto.
5. **Set Timer:** Use the **TIMER** button to program unattended shutdown and startup times. Refer to the detailed owner's manual for specific timer programming instructions.

5.3 Automatic Restart

The SRCOOL12K is programmed to automatically restart with its previous settings after a power failure, ensuring

continuous operation without manual intervention.

6. MAINTENANCE

6.1 Air Filter Cleaning

Regular cleaning of the air filter is essential for maintaining optimal performance and air quality. A dirty filter can reduce cooling efficiency and increase energy consumption.

1. Disconnect the unit from the power outlet.
2. Locate and remove the air filter (refer to the detailed owner's manual for exact location).
3. Clean the filter using a vacuum cleaner or by washing it with warm, soapy water. Ensure the filter is completely dry before reinstallation.
4. Reinstall the clean, dry filter and reconnect power to the unit.

6.2 Exterior Cleaning

Wipe the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

7. TROUBLESHOOTING

If you experience issues with your SRCOOL12K unit, refer to the following common troubleshooting steps:

- **Unit does not turn on:** Ensure the power cord is securely plugged into a dedicated 120V, 15-amp outlet. Check the circuit breaker.
- **Insufficient cooling:** Verify that the hot air exhaust is properly vented away from the cooled area. Clean the air filter. Ensure the room temperature is within the unit's operating range. Check for obstructions to airflow.
- **Water overflow:** In high humidity conditions, the internal evaporator may not be able to process all condensate. Consider connecting an optional drain hose to a suitable drain.
- **Unusual noises:** Check for any loose parts or obstructions in the fan area. If unusual noises persist, contact technical support.

For more detailed troubleshooting or issues not covered here, please refer to the complete owner's manual or contact Tripp Lite technical support.

8. SPECIFICATIONS

Feature	Specification
Model Number	SRCOOL12K
Cooling Capacity	12,000 BTU (3.5kW)
Voltage	120 Volts
Item Weight	73.9 pounds
Product Dimensions (D x W x H)	12.6" x 19.69" x 32.68" (32.0cm x 50.0cm x 83.0cm)
Noise Level	57 Decibels
Form Factor	Portable
Included Components	Cooling Unit

Feature	Specification
Seasonal Energy Efficiency Ratio (SEER)	15
Color	Black



Figure 8.1: SRCOOL12K Product Dimensions.

9. WARRANTY INFORMATION

The Tripp Lite SRCOOL12K is covered by a **2-year limited warranty**. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, including limitations and exclusions, please refer to the warranty documentation included with your product or visit the official Tripp Lite website.

10. SUPPORT

For technical assistance, product inquiries, or warranty claims, please contact Tripp Lite customer support. Contact information can typically be found on the Tripp Lite website or in the documentation provided with your unit.

Online Resources: Visit the [Tripp Lite Store on Amazon](#) for additional product information and accessories.