SEi11 PRO

Generic Mini PC Fan Instruction Manual

Model: SEi11 PRO Series Compatible

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your new Generic Mini PC Fan. This fan is designed as a replacement component for specific Beelink SEi11 PRO series mini PCs, including models SEi11 PRO, SEi11 PRO-G, and SEi11 PRO-G16500O10W64PRO. Please read this manual thoroughly before proceeding with installation to ensure proper function and to prevent damage.

IMPORTANT SAFETY INFORMATION

- Always disconnect power from the mini PC before attempting any installation or maintenance.
- Handle electronic components with care to avoid electrostatic discharge (ESD) damage. Consider using an anti-static wrist strap.
- Ensure the replacement fan's specifications (voltage, current, connector type) match the original fan or the PC's requirements.
- Verify the wire sequence of the fan connector before connecting it to the motherboard. Incorrect wiring can cause damage.
- If you are unsure about any step, consult a qualified technician.

PRODUCT OVERVIEW

The Mini PC Fan is a 4-pin DC5V 0.5A cooling component. It is designed to dissipate heat from the internal components of compatible Beelink SEi11 PRO series mini PCs, ensuring stable operation and preventing overheating.

Figure 1: The 4-pin connector of the Mini PC Fan. Note the arrangement of the colored wires (red, yellow, blue, black) which is crucial for compatibility. Different wire sequences may exist, requiring careful verification before connection.

SPECIFICATIONS

Model Compatibility	Beelink SEi11 PRO, SEi11 PRO-G, SEi11 PRO-G16500O10W64PRO
Connector Type	4-Pin
Voltage	DC 5V
Current	0.5A
Material	Plastic
Dimensions	Approximately 11.81 x 7.87 x 3.94 inches (Product Package)
Item Weight	Approximately 7 ounces

SETUP AND INSTALLATION

Replacing a mini PC fan requires careful attention to detail. Follow these general steps:

1. **Preparation:** Power off your Beelink mini PC and disconnect all cables (power, display, peripherals). Place the PC on a clean, static-free surface.

2. **Access Internal Components:** Carefully open the mini PC casing according to the specific instructions for your Beelink model. This usually involves removing screws and gently prying open panels.

3. **Locate Old Fan:** Identify the existing cooling fan. Note its position and how it is mounted.

4. **Disconnect Old Fan:** Gently disconnect the old fan's 4-pin connector from the motherboard. Observe the orientation and wire sequence.

5. **Remove Old Fan:** Unscrew or unclip the old fan from its mounting points.

6. **Install New Fan:** Place the new Generic Mini PC Fan into the designated area. Secure it with the original screws or clips.

7. **Connect New Fan: CRITICAL STEP:** Before connecting, carefully compare the wire sequence of the new fan's 4-pin connector with the original fan's connector and the motherboard's fan header. The order of wires (e.g., red, yellow, blue, black) can vary between manufacturers and models. If the wire sequence does not match, do NOT force the connection. Contact the seller for guidance. Once verified, gently plug the new fan's connector into the motherboard header, ensuring it is fully seated.

8. **Reassemble:** Carefully close the mini PC casing, ensuring all screws are tightened and panels are properly secured.

9. **Test:** Reconnect all cables and power on the mini PC. Verify that the fan spins correctly and that the system reports normal temperatures.

Note: Due to variations in mini PC designs, specific disassembly and reassembly steps may differ. Refer to your Beelink mini PC's official service manual or support resources for detailed instructions on accessing internal components.

OPERATING INSTRUCTIONS

Once correctly installed, the Mini PC Fan operates automatically. Its speed is typically controlled by the mini PC's BIOS/UEFI or operating system based on internal temperature sensors. No manual intervention is usually required for its operation.

- Ensure proper airflow around the mini PC to allow the fan to function efficiently.
- Avoid blocking the air intake and exhaust vents of the mini PC.

MAINTENANCE

Regular maintenance helps prolong the life of your fan and ensures optimal cooling performance.

- **Dust Removal:** Periodically (e.g., every 3-6 months, depending on environment) power off and unplug the mini PC. Use compressed air to gently blow dust out of the fan blades and heatsink fins. Hold the fan blades to prevent them from spinning rapidly during cleaning, which can damage the bearings.

- **Visual Inspection:** During dust removal, visually inspect the fan for any signs of damage, loose wires, or excessive wear.

- **Environmental Factors:** Operate the mini PC in a clean, well-ventilated environment to minimize dust accumulation.

TROUBLESHOOTING

If you encounter issues with your fan, consider the following:

- **Fan Not Spinning:**
  - Ensure the 4-pin connector is securely seated on the motherboard.
  - Verify the wire sequence was correct during installation. Incorrect wiring can prevent operation or cause damage.
  - Check if the fan blades are obstructed by dust or cables.
  - Confirm the mini PC is receiving power.

- **Excessive Noise:**
  - Dust accumulation on fan blades can cause imbalance and noise. Clean the fan as described in the Maintenance section.
  - Ensure the fan is securely mounted and not vibrating against other components.
  - If the noise is a grinding or rattling sound, the fan bearings may be failing, indicating a need for replacement.

- **Overheating Warnings:**
  - Confirm the fan is spinning.
  - Ensure the mini PC's vents are not blocked.
  - Clean the heatsink and fan thoroughly.
  - Verify that thermal paste between the CPU/GPU and heatsink is still effective (advanced users only, requires reapplication).

If troubleshooting steps do not resolve the issue, contact customer support.

WARRANTY

This product comes with a **90-day warranty** from the date of purchase. This warranty covers manufacturing defects and material faults under normal use. It does not cover damage caused by improper installation, misuse, accidents, unauthorized modifications, or normal wear and tear. Please retain your proof of purchase for warranty claims.

SUPPORT

For technical assistance, warranty claims, or further inquiries, please contact the seller or retailer from whom you purchased this product. When contacting support, please provide your purchase details and a clear description of the issue.

To ensure you receive the correct goods and support, please check your registered email after payment for any specific instructions or contact details provided by the seller.