Kingwin CF-012LB

Kingwin CF-012LB 120mm Silent Fan Instruction Manual

Model: CF-012LB

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Kingwin CF-012LB 120mm Silent Fan. Designed for computer cases and CPU coolers, this fan features a long-life bearing for quiet and efficient cooling, ensuring excellent ventilation for your PC system.



Figure 1: Kingwin CF-012LB 120mm Silent Fan

2. Safety Information

- Always disconnect power from your computer before installing or performing maintenance on any internal components.
- Handle the fan by its frame to avoid damaging the blades.
- Ensure proper grounding to prevent electrostatic discharge (ESD) damage to sensitive components.
- Keep fingers and loose objects away from rotating fan blades.

3. Package Contents

Verify that all items are present in the package:

- Kingwin CF-012LB 120mm Silent Fan (x1)
- Mounting Screws (x4)

4. Installation

Follow these steps to install the Kingwin CF-012LB fan:

1. **Prepare your computer:** Power off your computer and disconnect it from the power outlet. Open your computer case to access the fan mounting locations.
2. **Determine airflow direction:** The fan has an arrow on its side indicating the direction of airflow. Install the fan to push air in or out of your case as desired for optimal cooling.

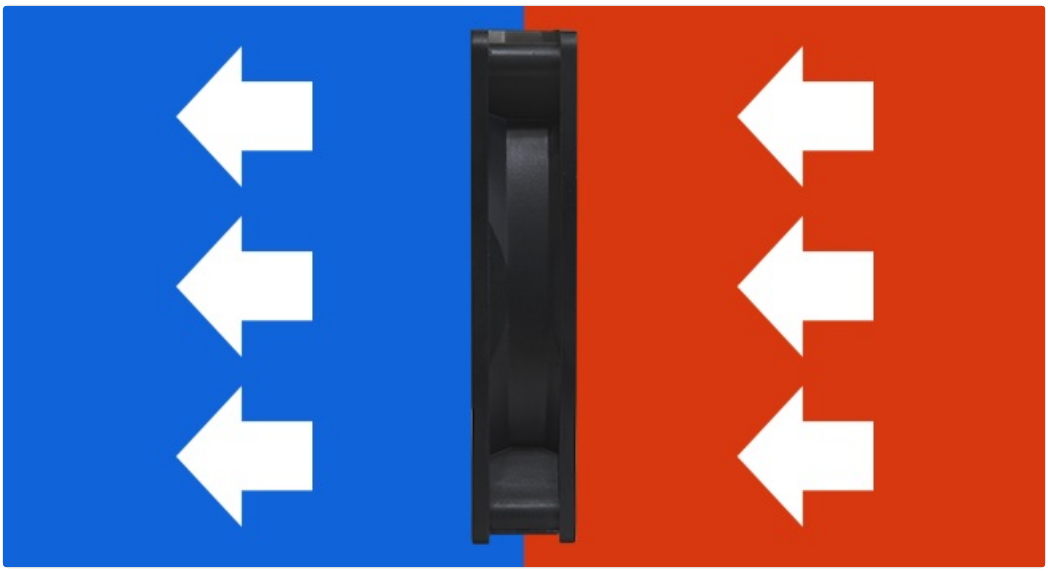


Figure 2: Airflow direction is indicated by an arrow on the fan frame.

3. **Mount the fan:** Position the fan in the desired mounting location (e.g., front, rear, top, or side of the case). Secure the fan using the four included mounting screws. Ensure the screws are tightened firmly but do not overtighten.

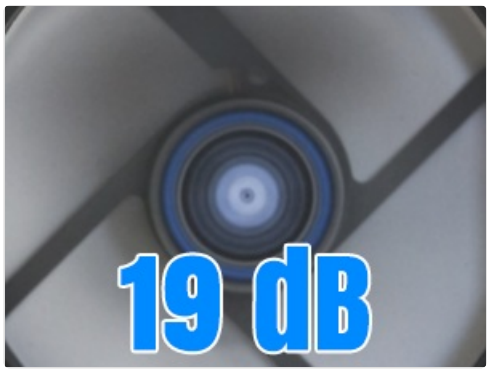


Figure 3: Securing the fan to the computer case.

4. **Connect the power cable:** The Kingwin CF-012LB fan uses a 3-pin power connector. Locate an available 3-pin fan header on your motherboard (often labeled "SYS_FAN" or "CHA_FAN"). Carefully align the connector and plug it in. If a 4-pin Molex adapter is needed, use the provided adapter to connect directly to your power supply.

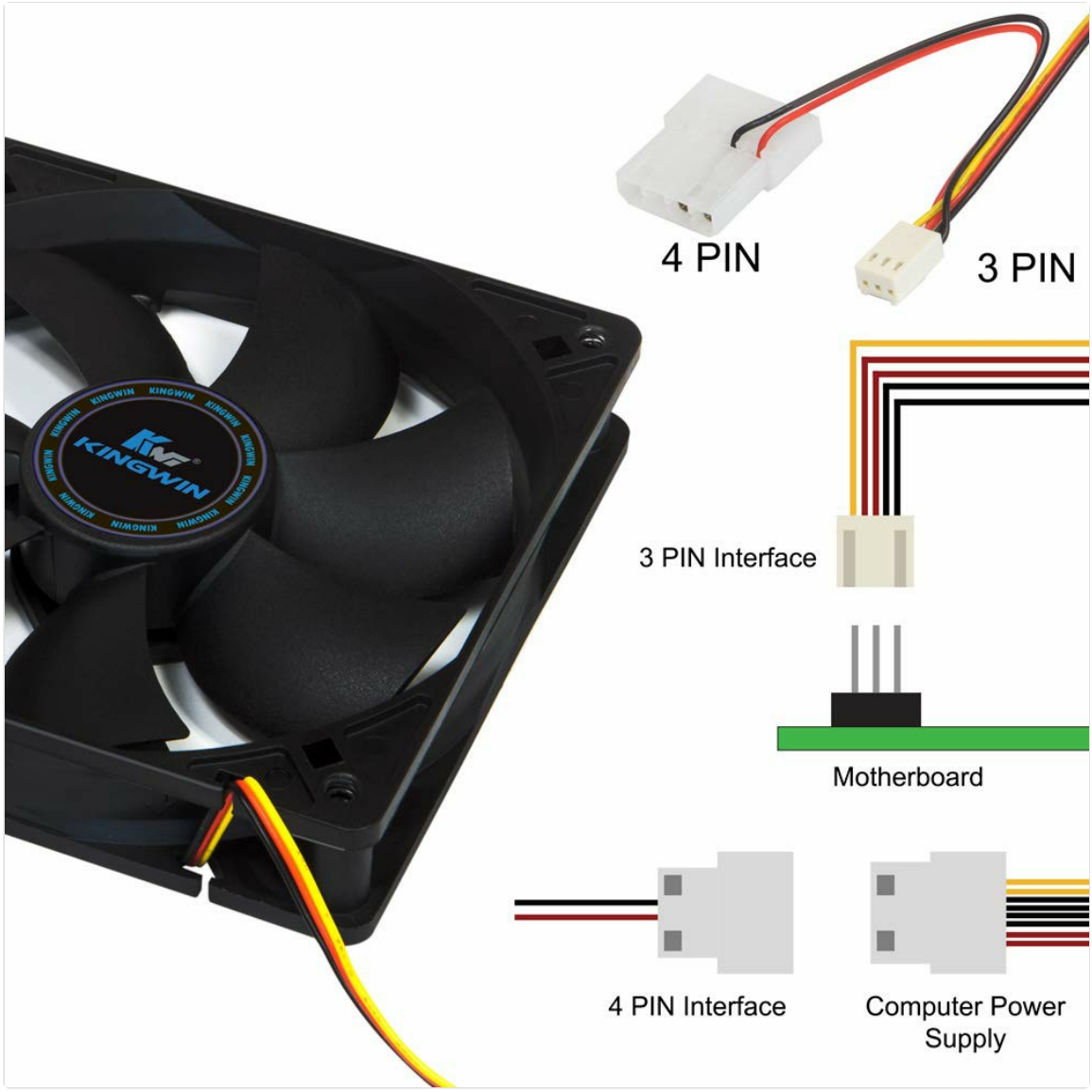


Figure 4: 3-pin fan connector for motherboard and 4-pin Molex adapter for power supply.

5. **Close the case:** Once the fan is securely mounted and connected, close your computer case and reconnect the power.

5. Operation

Upon powering on your computer, the Kingwin CF-012LB fan will begin to operate, providing consistent airflow to cool your system components. This fan is designed for quiet operation, with a typical noise level of 19 decibels, ensuring minimal acoustic disturbance.



Figure 5: The CF-012LB fan operates at a low noise level of 19 dB.

6. Maintenance

To ensure optimal performance and longevity of your Kingwin CF-012LB fan, periodic maintenance is recommended:

- **Cleaning:** Every 3-6 months, or as needed, power off your computer and disconnect it from the power source. Use compressed air to gently remove dust buildup from the fan blades and frame. Avoid touching the fan blades directly with your hands or tools.
- **Inspection:** Periodically check the fan for any signs of damage or wear. Ensure the power cable is securely connected.

7. Troubleshooting

If you encounter issues with your Kingwin CF-012LB fan, refer to the following troubleshooting guide:

- **Fan not spinning:**
  - Ensure the power cable is securely connected to the motherboard fan header or power supply.
  - Check your motherboard's BIOS/UEFI settings to ensure the fan header is enabled and configured correctly.
  - Test the fan on a different fan header or with a different power source if possible.
- **Excessive noise:**
  - Verify that no cables or obstructions are interfering with the fan blades.
  - Ensure the fan is securely mounted and screws are tightened. Loose mounting can cause vibrations.
  - Clean any dust buildup from the fan blades.
- **Difficulty connecting power plug:**
  - Some power plugs may require careful alignment. Ensure the pins are straight and align correctly with the header before applying gentle, even pressure. Avoid forcing the connection.

8. Specifications

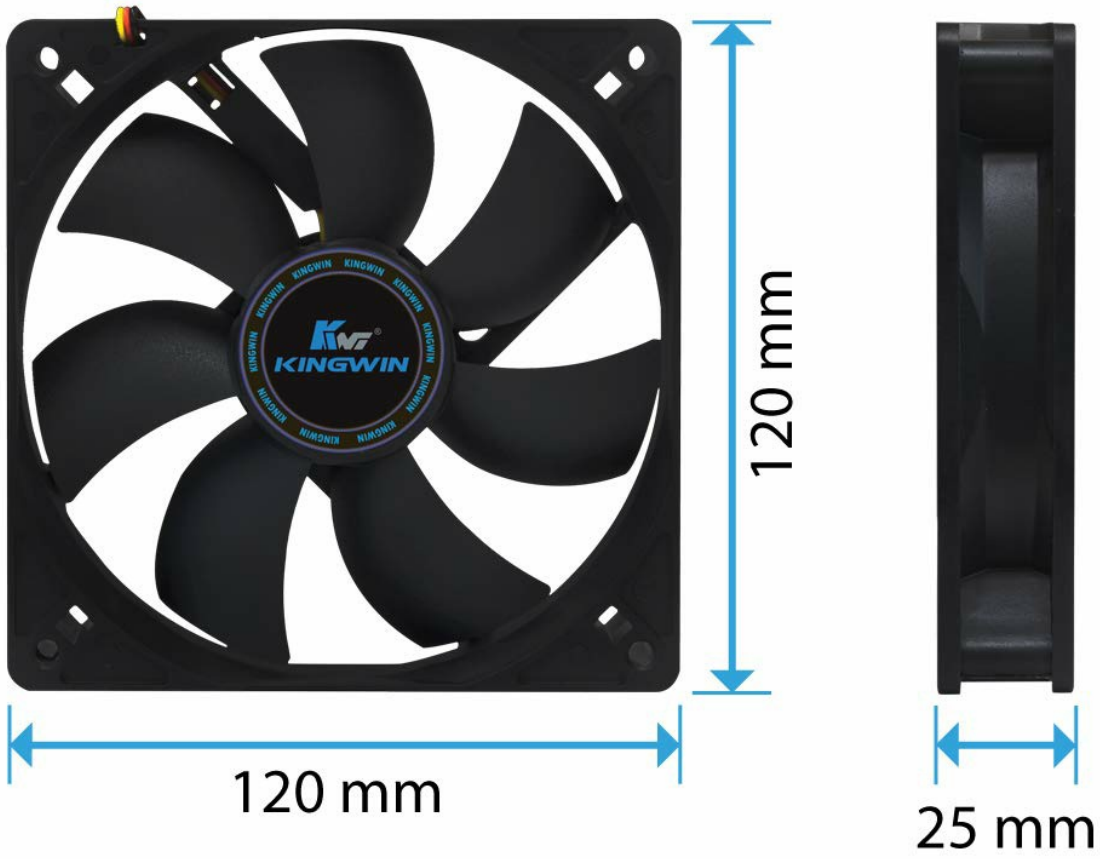


Figure 6: Kingwin CF-012LB Fan Dimensions.

Feature	Specification
Model Number	CF-012LB
Fan Dimensions	120mm x 120mm x 25mm
Noise Level	19 Decibels
Maximum Rotational Speed	950 RPM
Air Flow Capacity	40 Cubic Feet Per Minute (CFM)
Power Connector Type	3-Pin
Voltage	12 Volts
Wattage	3 Watts
Bearing Type	Long Life Bearing
Material	Polyvinyl Chloride

Feature	Specification
Compatible Devices	Desktop Computers
Item Weight	113 Grams

9. Warranty and Support

Warranty: This Kingwin CF-012LB fan comes with a 1-year manufacturer's warranty from the date of purchase. Please retain your proof of purchase for warranty claims.
Support: For technical assistance or warranty inquiries, please contact Kingwin customer support. Manufacturer contact information: WALNUT, CA, 91789 US.

© 2026 Kingwin. All rights reserved.