SCYTHE SCBSK-2100

Scythe SCBSK-2100 BIG Shuriken 2 Rev. B CPU Cooler User Manual

Model: SCBSK-2100

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Scythe SCBSK-2100 BIG Shuriken 2 Rev. B CPU Cooler. Please read this manual thoroughly before proceeding with installation to ensure correct setup and optimal performance. This CPU cooler is designed to provide efficient cooling for various Intel and AMD processor sockets, featuring a low-profile design suitable for compact PC builds.

Safety Information

- Always disconnect power from your computer before installing or removing any components.
- Handle the CPU cooler and other components with care to avoid damage.
- Be aware of sharp edges on heatsink fins.
- Ensure proper grounding to prevent electrostatic discharge (ESD) damage to sensitive components.
- Keep out of reach of children.

Package Contents

Verify that all components are present before beginning installation:

- Scythe BIG Shuriken 2 Rev. B CPU Cooler (Heatsink with pre-installed fan)
- Mounting hardware for Intel LGA sockets (2011, 1366, 1156, 1155, 1150, 775)
- Mounting hardware for AMD sockets (FM1, AM3+, AM3, AM2+, AM2)
- Thermal grease/compound
- Installation manual (this document)

Compatibility

The Scythe SCBSK-2100 BIG Shuriken 2 Rev. B CPU Cooler is compatible with the following CPU sockets:

- **Intel:** LGA 2011, LGA 1366, LGA 1156, LGA 1155, LGA 1150, LGA 775
- **AMD:** Socket FM1, AM3+, AM3, AM2+, AM2

Ensure your motherboard and case have adequate clearance for the cooler's dimensions. Refer to the specifications section for detailed measurements.

Setup and Installation

Before installation, ensure your system is powered off and unplugged. It is recommended to install the CPU cooler with the motherboard removed from the PC case for easier access, especially for backplate installations.

General Pre-Installation Steps

1. Unpack all components and verify against the package contents list.
2. If replacing an existing cooler, carefully remove it and clean any old thermal paste from the CPU surface using isopropyl alcohol and a lint-free cloth.
3. Apply a small amount of thermal paste (pea-sized drop or thin line) to the center of the CPU's integrated heat spreader (IHS).

Intel LGA Socket Installation

1. Identify the correct mounting brackets and screws for your specific LGA socket type.
2. Attach the appropriate mounting studs to the cooler's base.
3. Position the cooler over the CPU, aligning the mounting holes.
4. Secure the cooler to the motherboard using the provided screws, tightening them in a diagonal pattern until snug. Do not overtighten.

AMD Socket Installation

1. Utilize the existing AMD backplate and retention module on your motherboard.
2. Attach the AMD mounting clips to the cooler's base.
3. Hook one side of the cooler's mounting clip onto the retention module.
4. Apply gentle pressure and hook the other side of the clip onto the retention module. Ensure the cooler is firmly seated and makes good contact with the CPU.

Final Steps for All Sockets

1. Connect the 4-pin PWM fan cable from the cooler to the CPU_FAN header on your motherboard.
2. Double-check all connections and ensure no cables are obstructing the fan blades.
3. If the motherboard was removed, reinstall it into the PC case.



Image: Example of the Scythe BIG Shuriken 2 Rev. B CPU Cooler installed on a motherboard, showing its low-profile design and mounting mechanism.

Operating Instructions

The Scythe BIG Shuriken 2 Rev. B CPU Cooler features a 4-pin PWM fan. This allows your motherboard to automatically control the fan speed based on CPU temperature, optimizing for both cooling performance and noise levels. Ensure the fan is connected to the CPU_FAN header on your motherboard for proper PWM functionality.

- **BIOS/UEFI Settings:** Access your motherboard's BIOS/UEFI settings to configure fan curves if desired. Most motherboards have automatic fan control settings that work well by default.
- **Monitoring:** Use system monitoring software to check CPU temperatures and fan speeds to ensure optimal operation.

Maintenance

Regular maintenance helps ensure the longevity and performance of your CPU cooler.

- **Dust Removal:** Periodically clean dust from the heatsink fins and fan blades using compressed air or a soft brush. Ensure the fan is held stationary while cleaning with compressed air to prevent over-spinning and potential damage.
- **Thermal Paste:** The thermal paste typically lasts for several years. If you notice a significant increase in CPU temperatures, consider reapplying fresh thermal paste. This requires removing the cooler, cleaning both the CPU and cooler base, and applying new thermal paste.
- **Fan Replacement:** In the event of fan failure or excessive noise, the fan can be replaced. The cooler uses a standard 120mm slim fan.

Troubleshooting

Issue	Possible Cause	Solution
High CPU Temperatures	◦ Improper thermal paste application ◦ Loose cooler mounting ◦ Insufficient airflow in case ◦ Dust buildup on heatsink/fan ◦ Fan not spinning or spinning too slowly	◦ Reapply thermal paste ◦ Re-seat and tighten cooler mounting screws ◦ Improve case airflow (add case fans, clean filters) ◦ Clean heatsink and fan ◦ Check fan connection to CPU_FAN header; adjust BIOS fan settings
Fan Not Spinning	◦ Fan cable disconnected ◦ Faulty fan header on motherboard ◦ Defective fan	◦ Ensure fan cable is securely connected to CPU_FAN ◦ Try connecting to another fan header (if available) ◦ Replace the fan
Excessive Fan Noise	◦ Fan spinning at high RPMs ◦ Dust buildup ◦ Fan bearing issue	◦ Adjust fan curve in BIOS/UEFI to lower RPMs at idle/low load ◦ Clean fan blades ◦ Replace the fan

SPECIFICATIONS

Model Number	SCBSK-2100
Brand	SCYTHE
Dimensions (LxWxH)	Approximately 4.92 x 5.31 x 2.28 inches (125 x 135 x 58 mm)
Item Weight	14.4 ounces (approx. 408 grams)
Compatible Sockets	Intel: LGA 2011, 1366, 1156, 1155, 1150, 775 AMD: FM1, AM3+, AM3, AM2+, AM2
Cooling Method	Fan
Fan Type	Slip Stream 120 Slim PWM Fan
Power Connector	4-Pin PWM
Voltage	12 Volts
Wattage	5.64 watts
Noise Level	Up to 33.67 Decibels
Maximum Rotational Speed	2500 RPM



Image: Angled view of the Scythe BIG Shuriken 2 Rev. B CPU Cooler, highlighting the fan and heatsink structure.

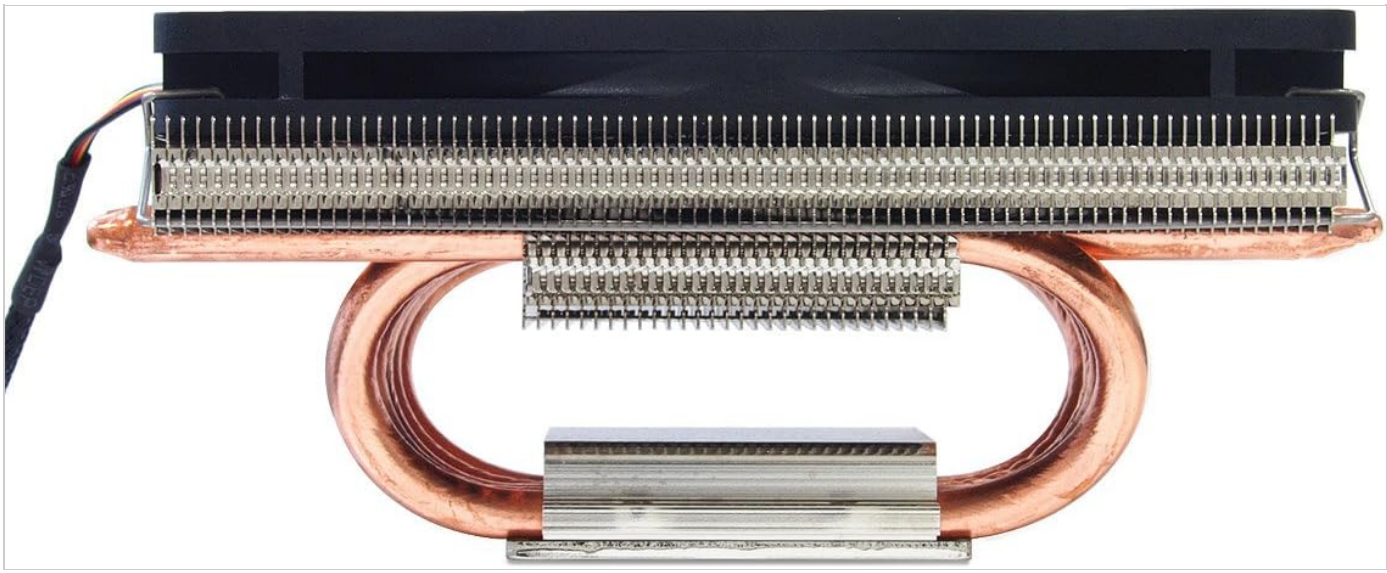


Image: Side profile of the Scythe BIG Shuriken 2 Rev. B CPU Cooler, illustrating its low-profile design and heatpipe arrangement.

Warranty and Support

For warranty information and technical support, please refer to the official Scythe website or contact your local retailer. Keep your proof of purchase for warranty claims.

Official Scythe Website: www.scythe-eu.com

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