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Black Shark BR40

Black Shark FunCooler 4

OFFICIAL INSTRUCTION MANUAL

Introduction

Welcome to the Black Shark FunCooler 4 instruction manual. This guide provides essential information for setting up, operating, maintaining, and troubleshooting your new mobile phone cooling fan. The FunCooler 4 is designed to enhance your mobile gaming and streaming experience by effectively dissipating heat from your smartphone, ensuring stable performance and preventing overheating.

Product Overview

The Black Shark FunCooler 4 is a wired mobile phone cooling fan featuring high-performance semiconductor refrigeration technology and RGB lighting effects. It is designed for universal compatibility with smartphones between 2.67-3.45 inches wide.

Package Contents:

- Black Shark FunCooler 4
- Instruction Manual
- (Note: USB-C power cable is not included and must be provided by the user.)

Key Features:

- **15W Power Ultra-Fast Cooling:** Utilizes semiconductor refrigeration for rapid temperature drop, up to 32°C.
- **Oversized Semiconductor Cooler:** Features a 1.2 x 1.2-inch semiconductor cooler for efficient heat dissipation.
- **Vertical Air Duct Design:** Directs hot air away from hands for comfortable grip.
- **RGB Lighting Effects:** Dazzling lighting to enhance gaming atmosphere.
- **Compact and Lightweight:** Weighs only 90g, providing comfortable hand operation.
- **Quiet Operation:** Noise-reducing design operates at less than 40dB.
- **Universal Compatibility:** Extends to fit smartphones 2.67-3.45 inches wide.
- **Bolt Design:** Allows attachment to handheld gimbals or camera stands.

Product Diagram:



Figure 1: Black Shark FunCooler 4 attached to a smartphone. The cooler clamps onto the back of the phone, with the fan facing outwards and the cooling plate against the phone's back.

Detailed Feature Illustrations:

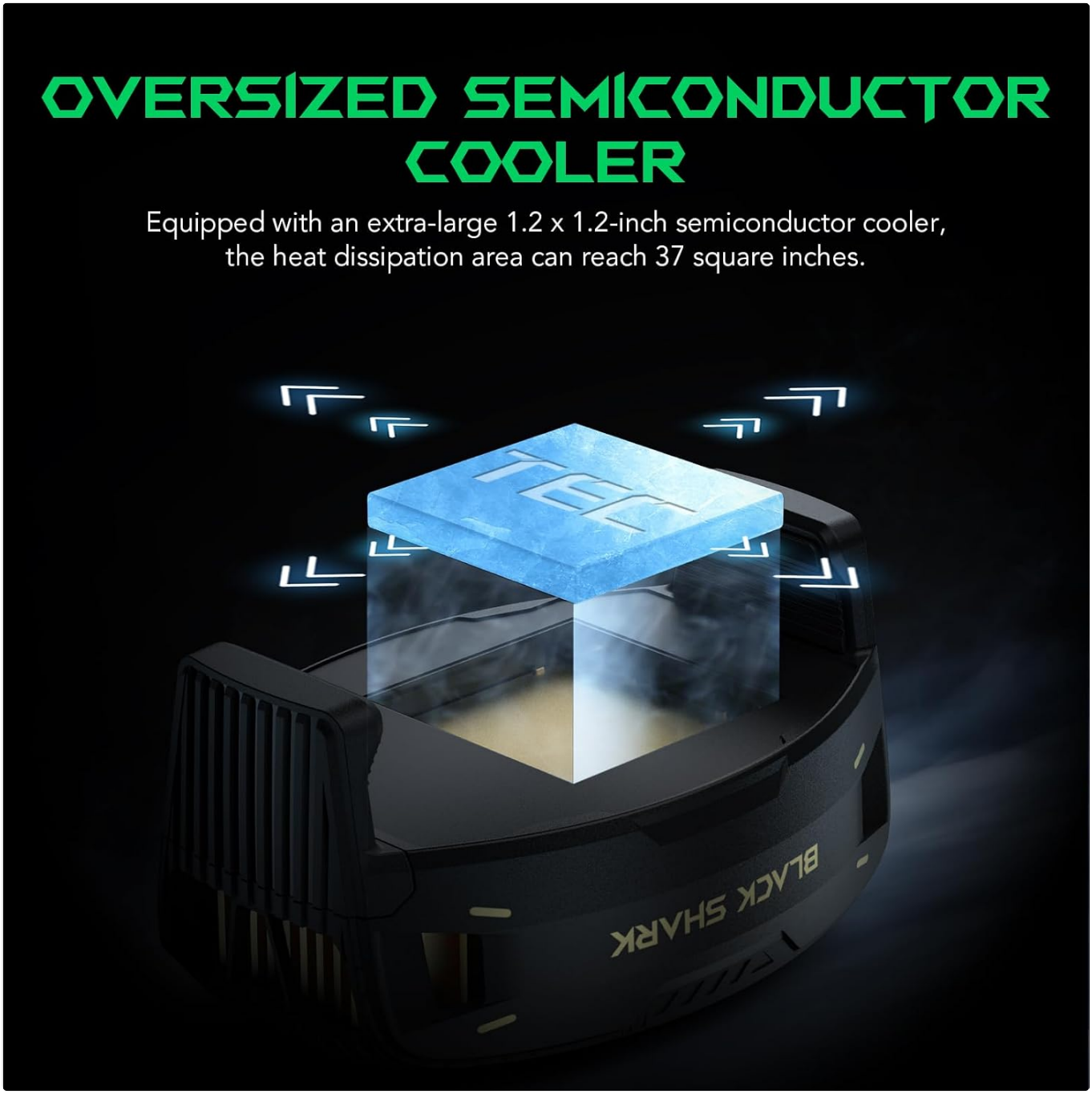


Figure 2: Illustration of the oversized 1.2 x 1.2-inch semiconductor cooler, highlighting its large heat dissipation area.



Figure 3: The vertical air duct design ensures hot air is directed away from the user's hands, providing a comfortable grip.

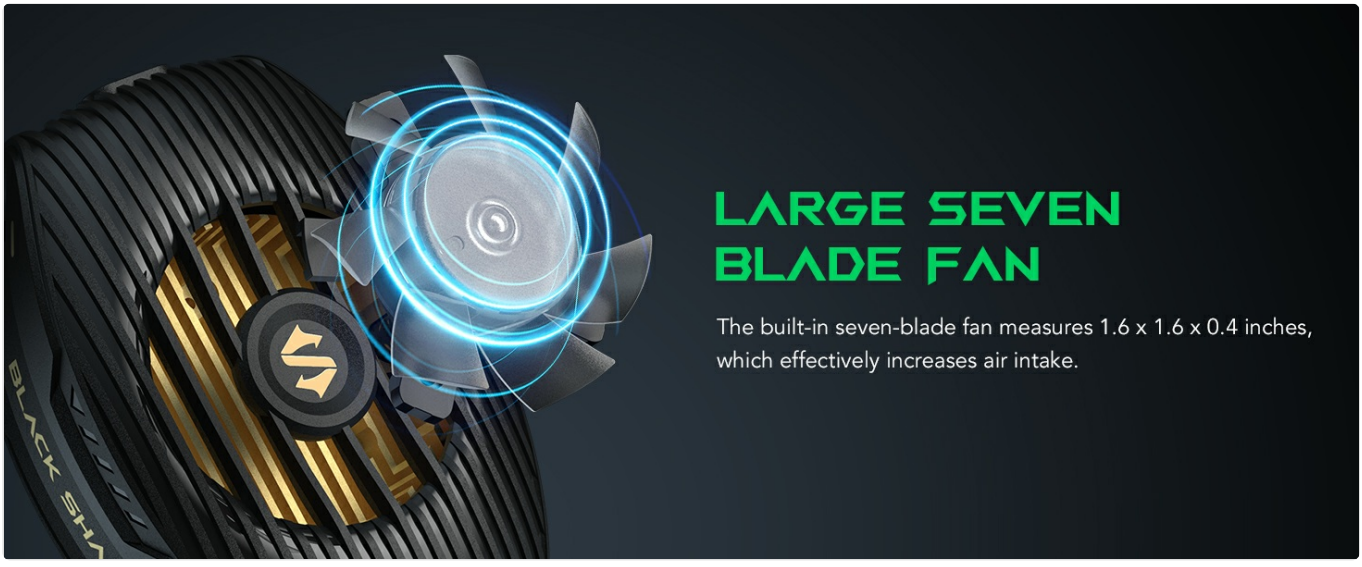


Figure 4: The built-in seven-blade fan, measuring 1.6 x 1.6 x 0.4 inches, effectively increases air intake for enhanced cooling.



Figure 5: The cooler ensures continuous cooling and frame rate stabilization, preventing lag and black screens due to overheating during gaming.

Setup Guide

1. **Attach the FunCooler 4 to your smartphone:**

   Gently extend the cooler's clamp to fit your smartphone. Ensure the cooling plate on the back of the FunCooler 4 makes direct contact with the back of your phone for optimal heat transfer. The cooler is designed to extend in one direction to accommodate various phone sizes (2.67-3.45 inches wide).



Figure 6: The FunCooler 4 features a unidirectional stretch design for broad compatibility and a retaining bolt for mounting on gimbals or camera stands.

2. **Connect to Power:**

   The FunCooler 4 requires external power to operate. Connect a USB-C power cable (not included) to the Type-C interface on the cooler. Plug the other end of the cable into a suitable power source (e.g., a USB wall adapter, power bank, or computer USB port). A 15W or higher power source is recommended for ultra-fast cooling performance.



Figure 7: The FunCooler 4 features a simple physical switch for power on/off, located near the USB-C port.

Operation

Power On/Off:

Once connected to a power source, the FunCooler 4 will automatically power on. Use the physical switch located on the side of the device to toggle the cooling function on or off. The RGB lights will illuminate when the cooler is active.

Cooling Performance:

The semiconductor refrigeration technology provides instant cooling, with a maximum temperature drop of up to 32°C. The large contact surface and whisper-quiet 7-blade fan work together to maintain optimal phone temperature during intensive use, such as gaming or live streaming.



Figure 8: Cooling performance graph illustrating rapid temperature reduction by the 15W high-power cooling system.

RGB Lighting Effects:

The FunCooler 4 features dynamic RGB lighting that activates when the device is powered on. These lights enhance the aesthetic appeal and gaming ambiance. While the manual switch controls power, advanced lighting customization may be available through a dedicated Black Shark app (check the official Black Shark website or app stores for availability and features).



Figure 9: The fan features vibrant RGB lighting effects, adding to the gaming experience.

Video Demonstration:

Your browser does not support the video tag.

Video 1: Official Black Shark FunCooler 4 Phone Cooler demonstration. This video showcases the cooler's features, including its cooling capabilities, air duct design, and compatibility with gimbals and camera mounts.

Maintenance

- **Cleaning:**

  Periodically wipe the exterior of the FunCooler 4 with a soft, dry cloth to remove dust and debris. Ensure the fan blades and cooling plate are free from obstructions to maintain optimal performance. Do not use liquid cleaners or abrasive materials.

- **Storage:**

  When not in use, store the FunCooler 4 in a cool, dry place away from direct sunlight and extreme temperatures. Avoid placing heavy objects on top of the cooler.

Troubleshooting

Problem	Possible Cause	Solution
FunCooler 4 does not turn on.	No power, insufficient power, or faulty cable.	Ensure the USB-C cable is securely connected to both the cooler and a power source. Use a power adapter that provides at least 15W. Try a different USB-C cable or power source. Check if the physical switch is in the 'On' position.
Cooling performance is poor.	Poor contact with phone, obstructed fan, or low power.	Ensure the cooling plate is in full contact with the phone's back. Clear any obstructions from the fan area. Verify the power source provides sufficient wattage (15W recommended). Remove any phone cases that might hinder contact.
Unusual noise from the fan.	Obstruction in fan blades or internal issue.	Check for any foreign objects obstructing the fan blades. If the noise persists and there are no visible obstructions, contact customer support.
RGB lights are not working.	Device not powered on or internal issue.	Ensure the FunCooler 4 is powered on. If the cooling function works but lights do not, contact customer support.

If issues persist after attempting these solutions, please contact Black Shark customer support for further assistance.

Specifications

Brand	Black Shark
Model	BR40 (FunCooler 4)
Dimensions (LxWxH)	2.24 x 1.09 x 3.15 inches
Item Weight	3.17 ounces (90 Grams)
Power Source	Wired (AC)
Voltage	5 Volts
Cooling Technology	Semiconductor Refrigeration
Noise Level	Less than 40dB
Compatibility	Smartphones 2.67-3.45 inches wide
Material	Plastic, Metal

Warranty and Support

Black Shark products typically come with a limited manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Black Shark website.

For technical support, troubleshooting assistance, or warranty claims, please contact Black Shark customer service through their official website: global.blackshark.com.

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Product Model: BR40

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