

User Manual for Black Shark 6 Series Cooler

1. Safety Instructions

Read all safety instructions carefully before using the product to avoid personal injury or damage to the cooler and your device. Keep this manual for future reference.

- Do not use the cooler in humid environments (such as bathrooms, near water sources) to prevent short circuits and electric shock.
- Avoid dropping, impacting or disassembling the cooler. Unauthorized disassembly will void the warranty and may cause internal component damage.
- Keep the cooler away from high-temperature areas (such as near stoves, heaters) and flammable materials to prevent overheating and fire hazards.
- Do not touch the cooling plate directly with your hands when the cooler is in use, as the ultra-low temperature may cause frostbite.
- Use only the original or recommended power adapter. Using an incompatible adapter may damage the cooler or cause safety accidents.
- Children under 12 years old should use the product under adult supervision.
- If the cooler malfunctions (such as abnormal noise, overheating, or failure to start), stop using it immediately, disconnect the power supply, and contact after-sales service.
- For the Pro version with AI intelligent temperature control, do not block the temperature sensor to ensure accurate temperature detection and avoid condensation damage to the device.

2. Product Overview

2.1 Product Introduction

The Black Shark 6 Series Cooler is a professional mobile gaming cooling device designed for flagship smartphones, tablets, and gaming devices. It adopts the latest TEC semiconductor refrigeration technology and optimized heat dissipation structure, providing efficient cooling performance to solve the problem of device overheating during high-intensity gaming, ensuring stable device performance and extending battery life. The series includes four models to meet different user needs:

- Black Shark 6 Cooler: Entry-level model with lightweight design, 20% improved heat dissipation efficiency compared to the previous generation, and a single cooling capacity of up to 25°C, suitable for ordinary mobile game players.
- Black Shark 6 Pro Cooler: Equipped with AI intelligent temperature control system, dual NTC temperature sensors, and a 0.71-inch full-color smart screen, which can display real-time parameters and avoid condensation. The maximum single cooling capacity reaches 50°C, and the minimum temperature can drop to -25°C.
- Black Shark 6 Max Cooler: Customized for large-screen devices and tablets, with a 40W full-power output, a 50mm×50mm large TEC cooling chip, and a cooling contact surface of nearly 9cm in diameter, suitable for heavy tablet gamers.
- Black Shark 6 Ultra Cooler: The top model with aerospace-grade micro-pump and liquid cooling circulation system, "wind-liquid linkage" structure, maximum cooling capacity of 56°C, minimum temperature of -31°C, and excellent heat dissipation performance for extreme gaming scenarios.

2.2 Package Contents

Check whether all the following items are included in the package before use. If any item is missing or damaged, contact the seller immediately:

- 1 × Black Shark 6 Series Cooler (corresponding model)
- 1 × USB-C Power Cable
- 1 × User Manual (this document)
- 1 × Silicone Cooling Pad (for better heat conduction)
- 1 × Magnetic Adsorption Module (for magnetic models, if applicable)

2.3 Key Features

- High-efficiency Cooling: Adopts the latest TEC semiconductor refrigeration chip, with fast cooling speed and strong cooling capacity, effectively reducing device temperature during gaming.
- Intelligent Temperature Control: Pro and Ultra models are equipped with AI temperature control algorithm, which can dynamically adjust cooling power according to device temperature to avoid over-cooling and condensation.
- Smart Screen Display: Pro and Ultra models have a full-color smart screen, which can display real-time power, cooling gear, device temperature and other parameters, and support custom wallpapers.

- **Quiet Operation:** Optimized noise reduction air duct design and high-speed silent fan, the noise is as low as 30dB (for live broadcast models) to avoid interfering with gaming and daily use.
- **Lightweight and Thin Design:** The overall thickness is as low as 12.8mm (Ultra model), and the weight is as light as 69g (Ultra magnetic cold end), which is comfortable to hold and does not block hands during gaming.
- **APP Connection:** Supports connection with Black Shark Equipment Box APP, which can customize RGB light effects, adjust cooling gears, and monitor real-time temperature and frame rate.
- **Wide Compatibility:** Suitable for most smartphones, tablets and gaming devices, with magnetic adsorption or clip-on installation, easy to use.

3. Installation and Usage

3.1 Installation Steps

3.1.1 Clip-on Installation (for non-magnetic models)

1. Take out the cooler and the silicone cooling pad, and stick the silicone cooling pad on the cooling plate of the cooler (the side with the Black Shark logo) to enhance heat conduction and protect the device back cover.
2. Open the clip of the cooler, align the cooling plate with the center of the device's back cover (where the processor is located, usually the upper middle part), and clamp the cooler firmly on the device. Ensure that the clip is not too tight to avoid damaging the device.
3. Connect one end of the USB-C power cable to the cooler's power port, and the other end to a power adapter (it is recommended to use a 40W or higher power adapter for Pro and Ultra models to ensure optimal performance) or a USB port of a computer.

3.1.2 Magnetic Adsorption Installation (for magnetic models)

1. Stick the magnetic adsorption module on the back cover of the device (align with the processor position), and press firmly to ensure it is firmly attached.
2. Take out the cooler, align the magnetic part of the cooler with the magnetic adsorption module on the device, and 吸附 it firmly. Ensure that the cooling plate is closely attached to the device back cover.
3. Connect the power cable as described in 3.1.1 Step 3.

3.2 Usage Steps

- 1. Power on: After connecting the power supply, the cooler will automatically start, and the indicator light will turn on (the color of the indicator light varies according to the model and gear, please refer to the indicator light description below).
- 2. Gear Adjustment:
 - Manual adjustment: Press the gear button on the cooler to switch between low, medium and high gears. Each press switches once, and the indicator light color changes accordingly.
 - APP adjustment: Download and install the "Black Shark Equipment Box" APP on your device, connect the cooler via Bluetooth, and you can adjust the cooling gear, customize RGB light effects, and view real-time temperature data in the APP.
- 3. Intelligent Mode (Pro/Ultra models): The cooler will automatically enter intelligent temperature control mode after power on, dynamically adjusting the cooling power according to the device temperature to avoid condensation and ensure stable cooling.
- 4. Power off: Disconnect the power cable, and the cooler will automatically shut down. For models supporting APP control, you can also shut down the cooler in the APP.

3.3 Indicator Light Description

Indicator Light Color	Status Description
Blue	Low gear, low power consumption, suitable for daily light use
Green	Medium gear, balanced cooling effect and power consumption, suitable for general gaming
Red	High gear, strong cooling capacity, suitable for high-intensity gaming or high-temperature environments
Flashing Red	Low power supply, please replace with a higher power adapter; or abnormal temperature, please stop using and check

Flashing Blue	Bluetooth pairing mode (for models supporting APP connection)
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4. Daily Maintenance

- **Cleaning:** Turn off the power and disconnect the power cable before cleaning. Use a soft dry cloth to wipe the surface of the cooler and the cooling plate. Do not use water, alcohol, or other corrosive liquids to clean, to avoid damaging internal components.
- **Storage:** When not in use for a long time, store the cooler in a dry, cool, and well-ventilated place, away from direct sunlight and high-temperature environments. Disconnect the power cable and remove the silicone cooling pad for separate storage.
- **Silicone Cooling Pad:** Replace the silicone cooling pad regularly (it is recommended to replace it every 3-6 months) to ensure heat conduction efficiency. If the silicone pad is damaged or deformed, replace it with a genuine accessory.
- **Fan Maintenance:** If the fan is blocked by dust, use a soft brush to gently clean the fan blades to ensure smooth operation. Do not use sharp objects to pick the fan blades to avoid damage.
- **Firmware Update:** Connect the cooler to the Black Shark Equipment Box APP, and check for firmware updates regularly. Updating the firmware can optimize performance and fix potential bugs.

5. Troubleshooting

If the cooler fails to work normally, please refer to the following troubleshooting methods. If the problem cannot be solved, contact Black Shark after-sales service.

Fault Phenomenon	Possible Causes	Troubleshooting Methods
Cooler does not start	1. Power adapter is not connected properly; 2. Power adapter is incompatible; 3. Power port is damaged	1. Reconnect the power cable and adapter; 2. Replace with the original or recommended 40W+ power adapter; 3. Contact after-sales service to repair the power port
Poor cooling effect	1. Silicone cooling pad is not attached closely; 2. Cooling plate is dirty; 3.	1. Reattach the silicone cooling pad; 2. Clean the cooling plate; 3. Switch to medium or high gear; 4.

	Low gear is selected; 4. Power supply is insufficient	Replace with a higher power adapter
Abnormal noise	1. Fan is blocked by dust; 2. Cooler is not installed firmly; 3. Fan is damaged	1. Clean the fan blades; 2. Reinstall the cooler to ensure it is firm; 3. Contact after-sales service to replace the fan
Condensation on the cooling plate (Pro/Ultra models)	1. AI temperature control is turned off; 2. Temperature sensor is blocked; 3. Working in a high-humidity environment	1. Turn on AI temperature control mode in the APP; 2. Remove the obstruction of the temperature sensor; 3. Use the cooler in a dry environment
APP cannot connect to the cooler	1. Bluetooth is not turned on; 2. Cooler is not powered on; 3. APP version is outdated	1. Turn on the device's Bluetooth and ensure it is visible; 2. Power on the cooler and enter pairing mode; 3. Update the Black Shark Equipment Box APP to the latest version

6. Technical Specifications

Parameter	Black Shark 6	Black Shark 6 Pro	Black Shark 6 Max	Black Shark 6 Ultra
Cooling Technology	TEC Semiconductor Refrigeration	TEC Semiconductor + AI Temperature Control	Large-size TEC Semiconductor	TEC Semiconductor + Liquid Cooling Circulation
Maximum Cooling Capacity	25°C	50°C	45°C	56°C
Minimum Temperature	--	-25°C	--	-31°C
Power Consumption	--	Max 35W	Max 40W	--
Fan Speed	--	4515 Fan, PWM Speed Regulation	--	80mm 7-blade Fan, Max 3100rpm

Noise Level	--	≤34dB	--	--
Weight	75g	104g	150g	69g (Magnetic Cold End)
Thickness	27mm	--	24mm	12.8mm (Magnetic Cold End)
Interface	USB-C	USB-C	USB-C	USB-C
APP Support	Yes	Yes	Yes	Yes

7. Warranty Information

Black Shark provides a 12-month warranty for the Black Shark 6 Series Cooler from the date of purchase. During the warranty period, if the product has quality problems (non-human damage), Black Shark after-sales service will provide free repair or replacement services.

The warranty does not cover the following situations:

- Damage caused by improper use, disassembly, collision, or dropping by the user.
- Damage caused by using non-original accessories (such as power adapters, cables).
- Damage caused by natural disasters, man-made damage, or other force majeure factors.
- Normal wear and tear of accessories (such as silicone cooling pad, magnetic module).

For after-sales service, please contact the official customer service of Black Shark or the authorized seller, and provide the purchase invoice and product serial number.

8. Contact Information

Official Website: www.blackshark.com

Customer Service Email: support@blackshark.com

Note: This manual is for reference only. Black Shark reserves the right to modify the product parameters and functions without prior notice. The actual product shall prevail.

(注：文档部分内容可能由 AI 生成)