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> [Alphacool Eisblock Aurora Plexi GPX-A AMD Radeon 5700 XT Sapphire Nitro+ \(11753\) Instruction Manual](#)

Alphacool 1017642

Alphacool Eisblock Aurora Plexi GPX-A Instruction Manual

For AMD Radeon 5700 XT Sapphire Nitro+ Graphics Cards (Model 11753)

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Alphacool Eisblock Aurora Plexi GPX-A water block, designed specifically for the AMD Radeon 5700 XT Sapphire Nitro+ graphics card. This product is engineered to provide superior cooling performance for your GPU, enhancing stability and potentially extending the lifespan of your hardware. Please read this manual thoroughly before proceeding with installation.

The Alphacool Eisblock Aurora Plexi GPX-A features a nickel-plated copper cooling block, a durable plexiglass top cover, and integrated digital RGB lighting for aesthetic customization. Its design focuses on efficient heat transfer and improved flow rate.

2. SAFETY INFORMATION

Warning: Improper installation or handling of this product can lead to damage to your graphics card, other computer components, or personal injury. If you are unsure about any step, seek professional assistance.

- Always disconnect power from your computer before beginning any installation or maintenance.
- Wear anti-static gloves or use an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to sensitive components.
- Ensure all fittings are securely tightened to prevent leaks. Use appropriate tools and do not overtighten.
- Perform a leak test with distilled water or a dedicated leak testing solution before powering on your system.
- Use only compatible coolants in your liquid cooling loop. Mixing incompatible coolants can lead to corrosion and system failure.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Please verify that all items listed below are present in your package. If any items are missing or damaged, contact your retailer or Alphacool support immediately.

- Alphacool Eisblock Aurora Plexi GPX-A Water Block
- Mounting Screws and Spacers
- Thermal Pads (pre-cut or sheet)
- Thermal Paste
- G1/4" Stop Plugs
- Digital RGB Adapter Cable (3-Pin, 5V)
- Instruction Manual (this document)

4. SETUP & INSTALLATION

Follow these steps carefully to install your Alphacool Eisblock Aurora Plexi GPX-A water block onto your AMD Radeon 5700 XT Sapphire Nitro+ graphics card.

4.1. Preparation

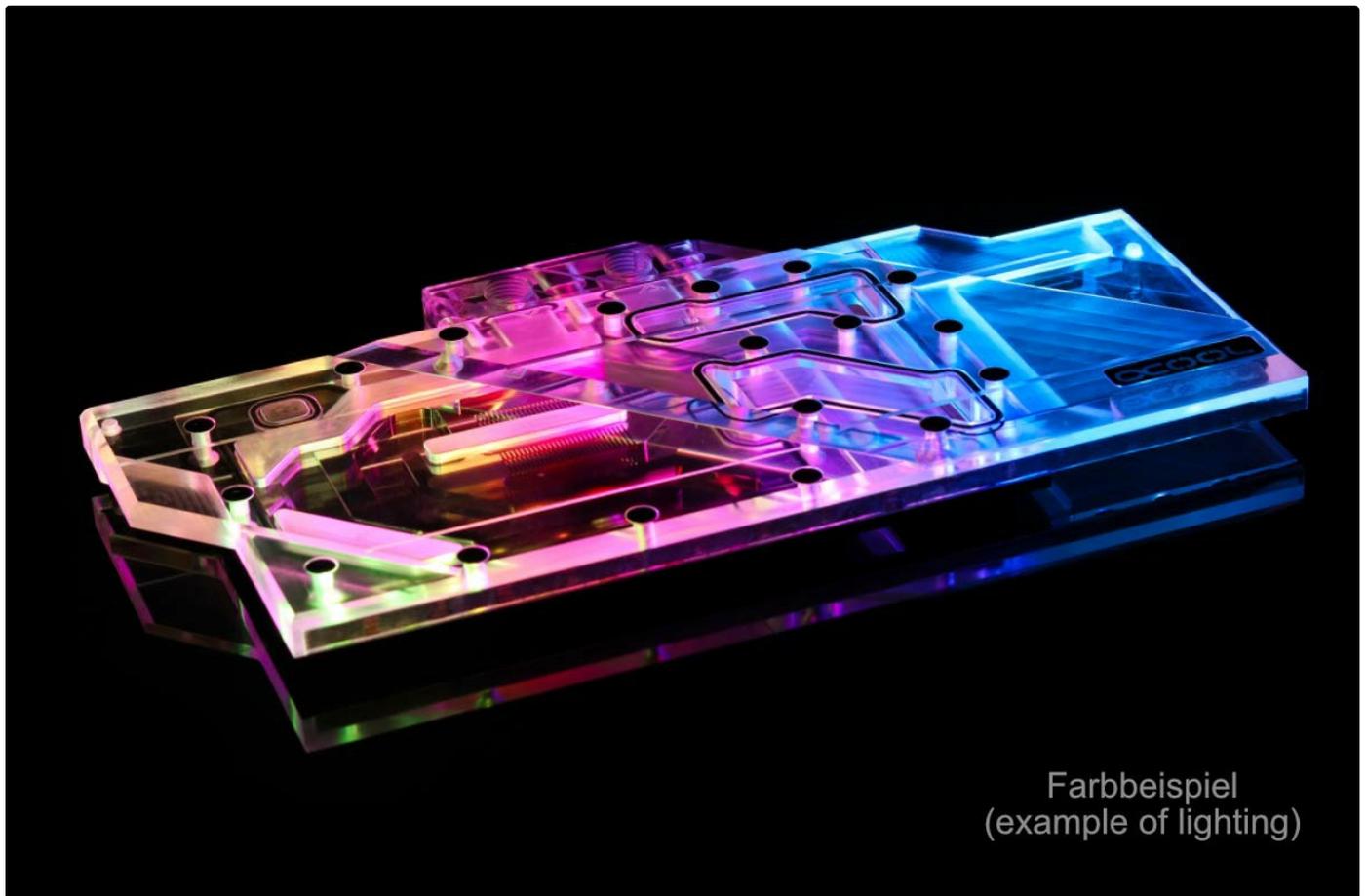
1. **Gather Tools:** You will need a small Phillips head screwdriver, a clean microfiber cloth, isopropyl alcohol, and anti-static protection.
2. **Disconnect Power:** Ensure your computer is completely powered off and unplugged from the wall.
3. **Remove Graphics Card:** Carefully remove your AMD Radeon 5700 XT Sapphire Nitro+ graphics card from your computer.
4. **Disassemble Stock Cooler:**
 - Place the graphics card on an anti-static surface.
 - Locate and remove all screws securing the stock cooler to the PCB. Pay attention to any screws on the backplate or around the GPU die.
 - Gently detach the stock cooler. Be mindful of any fan or RGB cables connected to the PCB. Disconnect these carefully.
 - Clean the GPU die and memory chips thoroughly with isopropyl alcohol and a microfiber cloth to remove all traces of old thermal paste and thermal pad residue.

4.2. Applying Thermal Materials

5. **Apply Thermal Pads:** Refer to the included diagram (if provided with your specific product) for the correct placement of thermal pads on the VRM components, memory modules, and other designated areas of the graphics card PCB. Ensure good contact.
6. **Apply Thermal Paste:** Apply a small amount of the provided thermal paste to the center of the GPU die. A pea-sized dot or a thin line is usually sufficient. The pressure from the water block will spread it evenly.

4.3. Mounting the Water Block

7. **Position Water Block:** Carefully align the Alphacool Eisblock Aurora Plexi GPX-A water block with the mounting holes on the graphics card PCB. Ensure the GPU die makes direct contact with the copper base of the water block.
8. **Secure Water Block:** Insert the provided mounting screws through the PCB and into the water block. Tighten them in a diagonal pattern (e.g., top-left, bottom-right, top-right, bottom-left) gradually until snug. Do not overtighten.
9. **Install Stop Plugs:** Screw the G1/4" stop plugs into any unused port on the water block. Ensure they are finger-tight, then use a tool to gently snug them up.
10. **Connect Digital RGB:** Connect the 3-Pin 5V Digital RGB cable from the water block to a compatible header on your motherboard or RGB controller.



Farbbeispiel
(example of lighting)

Image: Alphacool Eisblock Aurora Plexi GPX-A water block showcasing its digital RGB lighting effects. This image illustrates the aesthetic potential of the installed block.



Image: Underside view of the Alphacool Eisblock Aurora Plexi GPX-A water block, highlighting the mounting screw holes and the contact areas for the GPU and other components.

4.4. Leak Testing

11. **Integrate into Loop:** Connect the water block to your existing or new liquid cooling loop using appropriate fittings and tubing.
12. **Fill Loop:** Fill your liquid cooling loop with distilled water or a recommended coolant.
13. **Perform Leak Test:**
 - Power on only the pump (using a PSU jumper or dedicated pump power supply) without powering on the rest of the system.
 - Allow the pump to run for at least 12-24 hours, carefully inspecting all connections and the water block for any signs of leaks. Place paper towels under components to easily spot drips.
 - Only proceed to power on your full system once you are absolutely certain there are no leaks.

5. OPERATING INSTRUCTIONS

Once installed and leak-tested, your Alphacool Eisblock Aurora Plexi GPX-A water block operates as part of your custom liquid cooling loop. Ensure your pump is always running when the system is powered on.

- **Monitor Temperatures:** Use monitoring software to keep an eye on your GPU temperatures to ensure optimal cooling performance.
- **RGB Control:** If connected to a compatible RGB header, you can control the lighting effects using your motherboard's software or a dedicated RGB controller.
- **System Shutdown:** Always shut down your system properly. Avoid sudden power cuts to prevent potential issues with the cooling loop.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and performance of your liquid cooling system.

- **Coolant Replacement:** It is recommended to replace the coolant in your loop every 6-12 months, depending on the coolant type and usage.
- **System Flush:** When replacing coolant, consider flushing the entire loop with distilled water or a dedicated cleaning solution to remove any buildup.
- **Inspect Components:** Periodically inspect the water block, tubing, and fittings for any signs of wear, corrosion, or leaks.
- **Clean Radiators/Fans:** Keep your radiators and fans clean from dust buildup to ensure efficient heat dissipation.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

No RGB Lighting:

- Ensure the 3-Pin 5V Digital RGB cable is correctly connected to a compatible header.
- Check your motherboard's BIOS or RGB software for proper configuration.
- Verify the RGB header on your motherboard is enabled and functioning.

High GPU Temperatures:

- Confirm the pump is running and coolant is flowing.
- Check for air bubbles trapped in the loop; tilt your system to help dislodge them.

- Ensure thermal paste and pads are correctly applied and making good contact.
- Verify radiator fans are spinning and not obstructed.
- Check for blockages in the water block or other loop components.

Leaks Detected:

- Immediately power off the system and disconnect from power.
- Identify the source of the leak.
- Tighten fittings or replace faulty components/tubing as necessary.
- Clean up any spilled coolant thoroughly.
- Perform another leak test before powering on the system.

8. SPECIFICATIONS

Product Name:	Alphacool Eisblock Aurora Plexi GPX-A
Model Number:	1017642 (11753)
Compatibility:	AMD Radeon 5700 XT Sapphire Nitro+
Dimensions (L x W x H):	260 x 143 x 23 mm (10.24"L x 5.63"W x 0.91"H)
Net Weight:	Approx. 800 g (2.54 pounds)
Cooler Material:	Nickel Plated Copper
Top Cover Material:	Plexiglass
Threads:	4 x G1/4"
Digital RGB Power:	3-Pin 5V (0.5A)
Max Working Temperature:	60 °C

9. WARRANTY & SUPPORT

Alphacool products are manufactured to high quality standards. For specific warranty terms and conditions, please refer to the warranty information provided with your purchase or visit the official Alphacool website.

For technical support, troubleshooting assistance, or inquiries regarding replacement parts, please contact Alphacool customer service through their official website or your retailer.

Online Resources:

- Official Alphacool Website: www.alphacool.com
- Product Page (if available): [Amazon Product Page](#)