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> [GeekPi Game5Pi Case for Raspberry Pi 5 with Armor Lite V5 Active Cooler User Manual](#)

GeekPi Game5Pi Case

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INTRODUCTION

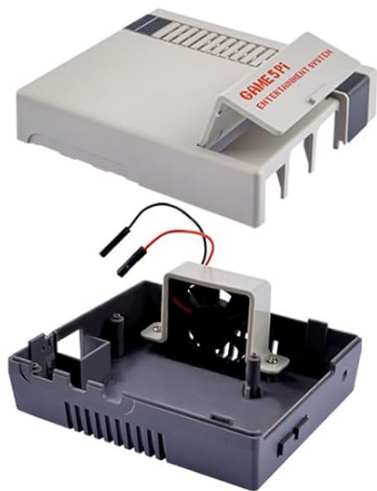
This manual provides detailed instructions for the installation, operation, and maintenance of your GeekPi Game5Pi Case for Raspberry Pi 5, which includes the Armor Lite V5 Active Cooler. Please read this guide thoroughly to ensure proper assembly and optimal performance of your device.

PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1 x ABS Upper case for Raspberry Pi 5
- 1 x ABS Button case for Raspberry Pi 5
- 1 x Armor Lite V5 Adjustable Speed Fan
- 6 x Thermal pads (various sizes)
- 1 x Screwdriver
- 4 x Anti-slipper pads
- 2 x M2.5 Screws
- 4 x Self-tapping screws

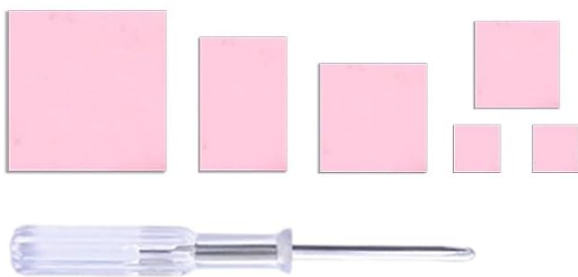
Package includes



1 x ABS Upper case for Raspberry Pi 5
1 x ABS Button case for Raspberry Pi 5



1 x Armor Lite V5
Adjustable Speed Fan



6 x Thermal pad
1 x Screw driver



4 x Anti-slipper pad
2 x M2.5 Screw
4 x Self-tapping screws

Image: Contents included in the GeeekPi Game5Pi Case package.

COMPATIBILITY

This Game5Pi case is designed exclusively for the **Raspberry Pi 5** models (8GB, 4GB, and 16GB versions). It is not compatible with other Raspberry Pi models.

SETUP AND INSTALLATION

Follow these steps to assemble your GeeekPi Game5Pi Case with the Raspberry Pi 5 and Armor Lite V5 Active Cooler:

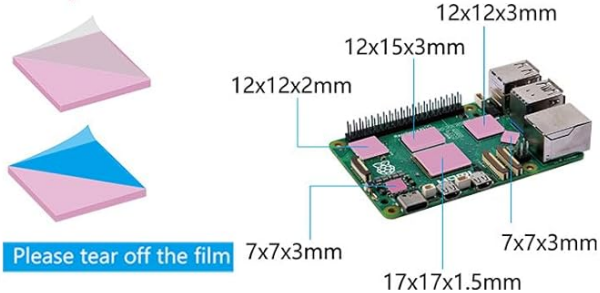
1. **Prepare Thermal Pads:** Carefully peel off the protective film from both sides of the thermal pads. Apply the appropriate sized pads to the designated areas on your Raspberry Pi 5 board as shown in the diagram.
2. **Install Armor Lite V5 Cooler:** Place the Armor Lite V5 Active Cooler onto the Raspberry Pi 5 board, ensuring the heatsink makes firm contact with the thermal pads. Secure it with the provided screws if necessary. Connect the

cooler's fan cable to the appropriate GPIO pins on the Raspberry Pi 5.

3. **Insert Raspberry Pi into Case:** Carefully place the assembled Raspberry Pi 5 with the cooler into the bottom part of the Game5Pi case. Ensure that the mounting holes of the Raspberry Pi are accurately inserted into the case's standoffs.
4. **Attach Upper Case:** Align the upper ABS case with the bottom part and gently press them together until they snap securely. Ensure all ports align with the case cutouts.
5. **Secure Case:** Use the provided self-tapping screws to secure the upper and lower case parts together, if applicable.

Installation Steps

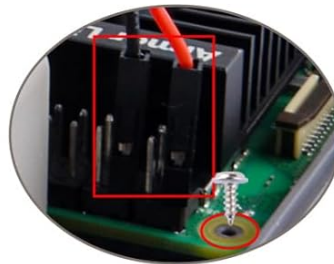
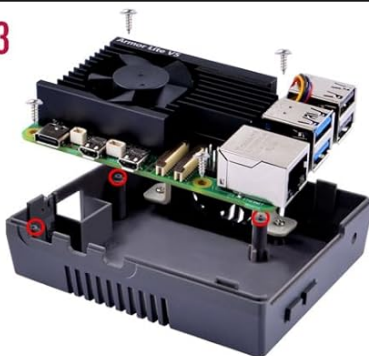
Step 1



Step 2



Step 3



Please make sure the mounting hole of Raspberry Pi has been accurate inserted to the case.

Step 4



Step 5



(Not include the Raspberry Pi 5 Board)

Image: Detailed installation steps for the Raspberry Pi 5 into the Game5Pi case with the Armor Lite V5 cooler.

Easy to install

The shell is composed of upper and lower cover plates, which is easy to install.

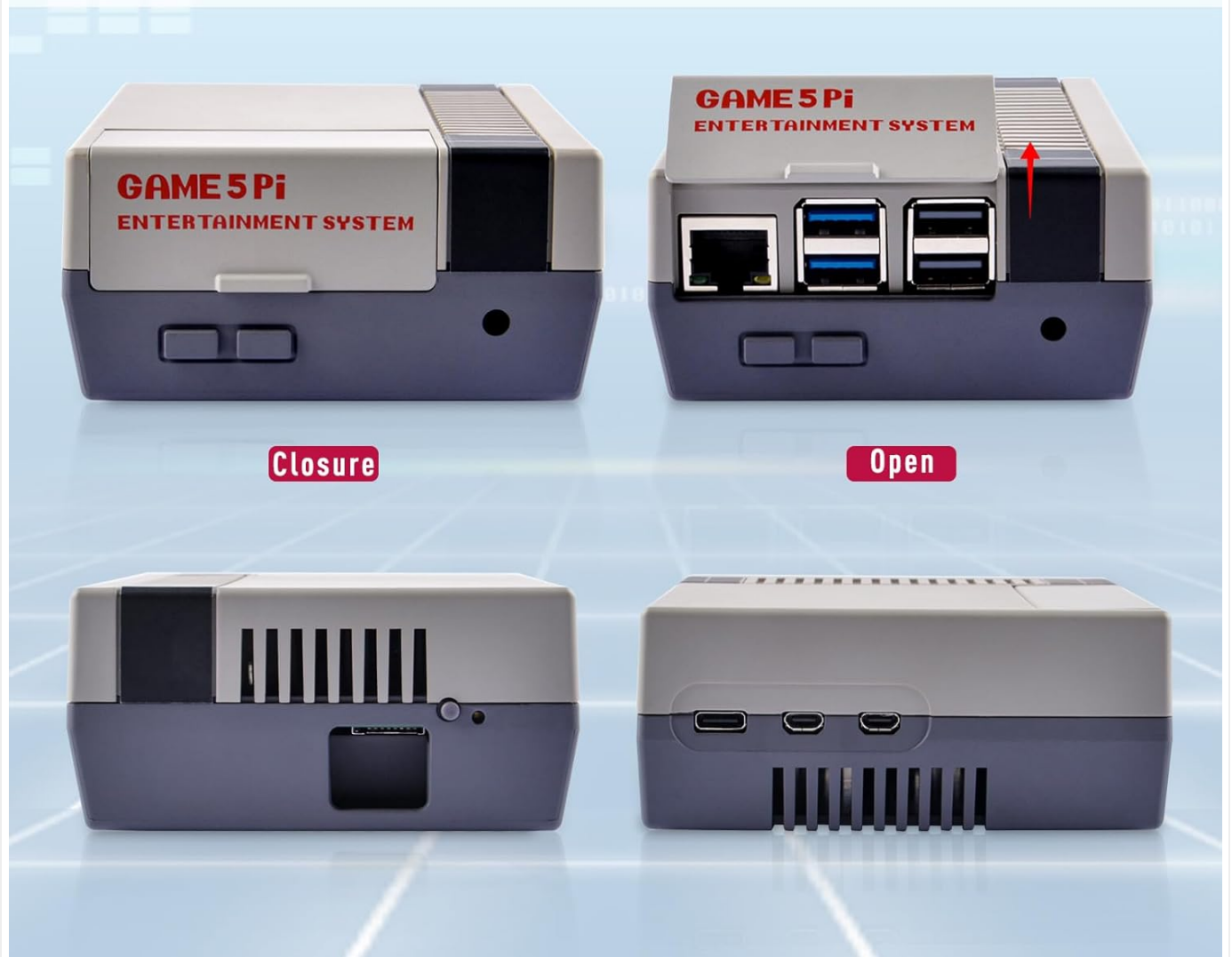


Image: The two-part design of the case facilitates easy installation of the Raspberry Pi 5.

OPERATION

Once assembled, the Game5Pi case provides full access to all necessary ports and features of your Raspberry Pi 5:

- **Port Access:** The case offers accurate access to the USB-C power jack, micro HDMI ports (HDMI0, HDMI1), USB ports (USB 3.0 x2, USB 2.0 x2), Gigabit Ethernet jack, and 4-lane MIPI DSI/CSI connectors.
- **SD Card Slot:** The SD card slot is easily accessible from the outside of the case, allowing for convenient insertion and removal of the SD card without disassembling the case.
- **Power Button:** A dedicated power button hole is provided for the Raspberry Pi 5's power button functionality.
- **Active Cooling:** The integrated Armor Lite V5 Active Cooler works to dissipate heat from the Raspberry Pi 5 board, maintaining optimal operating temperatures.

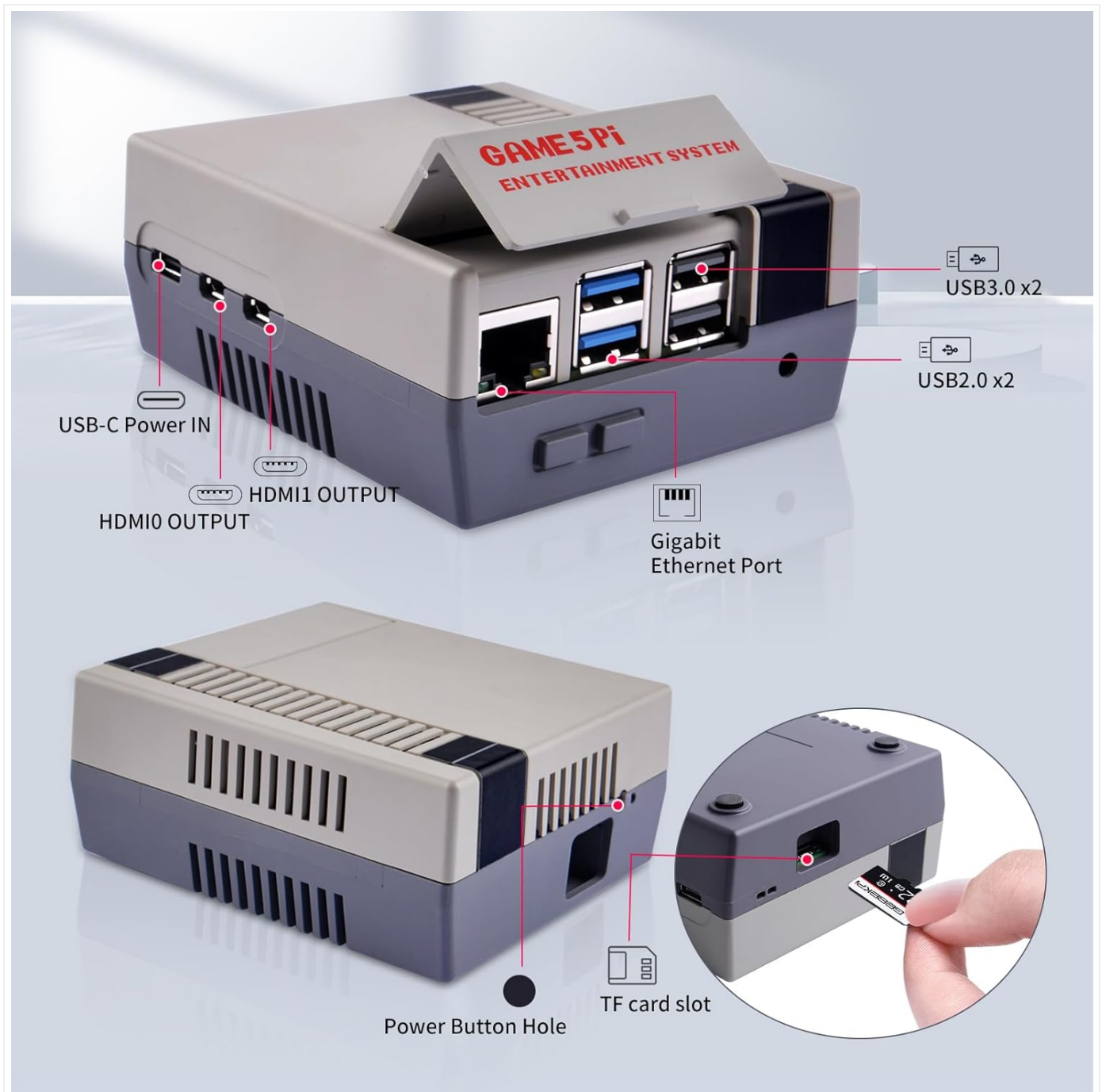


Image: Overview of accessible ports on the Game5Pi case.

Easy to remove and insert SD card from outside.



Image: The design allows for easy insertion and removal of the SD card.

Dual cooling

3510 radiator and cooling fan work together to accelerate heat dissipation.



Image: The dual cooling system, featuring a radiator and fan, works to accelerate heat dissipation.

MAINTENANCE

To ensure the longevity and optimal performance of your Game5Pi Case and Raspberry Pi 5:

- **Cleaning:** Periodically clean the exterior of the case with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- **Airflow:** Ensure that the ventilation grilles on the case are not obstructed to allow for proper airflow and efficient cooling by the Armor Lite V5.
- **Dust Removal:** If dust accumulates on the cooler's fan or heatsink, carefully use compressed air or a soft brush to remove it. Disconnect power before cleaning internal components.

TROUBLESHOOTING

- **Issue: Micro HDMI cable does not fit securely or causes unstable connection.**

Solution: Ensure the micro HDMI cable is fully inserted and properly aligned with the port. Some users have reported that the plastic around the HDMI port may be slightly thick, requiring careful insertion or minor adjustment to the case opening for a snug fit.

- **Issue: Auxiliary fan runs continuously.**

Solution: The Armor Lite V5 fan is designed to connect to the Raspberry Pi's GPIO pins and will operate continuously as long as the Raspberry Pi receives power. This is expected behavior for active cooling. If continuous operation is not desired, the fan can be disconnected from the GPIO pins, though this may impact cooling performance.

- **Issue: Case screws do not fit or damage mounts.**

Solution: Verify that you are using the correct screws for each part as indicated in the installation steps. Ensure screws are not overtightened, which can damage plastic mounts.

- **Issue: Case lid does not attach firmly.**

Solution: Ensure that the Raspberry Pi board and the Armor Lite V5 cooler are correctly seated within the bottom half of the case and that no cables or components are obstructing the closure. Align the upper and lower case parts carefully before snapping them together.

SPECIFICATIONS

Brand	GeekPi
Model Name	Game5Pi Case
Product Dimensions (LxWxH)	1.69 x 1.69 x 1.57 inches (4.29 x 4.29 x 3.99 cm)
Item Weight	5 ounces (141.75 grams)
Color	Grey
Material	Aluminum (cooler), ABS (case)
Cooling System	Armor Lite V5 Active Cooler (Heatsink + Fan)
Connectivity Technology	USB, micro HDMI, Ethernet, MIPI DSI/CSI (via Raspberry Pi 5)



Image: Physical dimensions of the Game5Pi case and the Armor Lite V5 cooler.

WARRANTY INFORMATION

Specific warranty details for the GeekPi Game5Pi Case are not provided in the product information. Please refer to the seller's return policy or contact GeekPi directly for warranty inquiries.

CUSTOMER SUPPORT

For further assistance, technical support, or product inquiries, please visit the official GeekPi store or contact their customer service department.

GeekPi Store: [Visit the GeekPi Store on Amazon](#)

OFFICIAL PRODUCT VIDEOS

Based on the provided product data, no official seller-created videos with m3u8 format are available for embedding in this manual.

