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› AYA NEO FLIP KB/DS User Manual

AYA NEO RM

AYA NEO FLIP KB/DS User Manual

Model: RM

INTRODUCTION

Welcome to the AYA NEO FLIP KB/DS user manual. This guide provides essential information for setting up, operating, maintaining, and troubleshooting your AYA NEO FLIP handheld gaming PC. The AYA NEO FLIP is a high-performance Windows handheld device designed for an immersive gaming experience, featuring a unique flip design and advanced control mechanisms.



Front view of the AYA NEO FLIP KB/DS handheld gaming PC with its screen open, showcasing the main display and control layout.

SETUP

1. Initial Charging

Before first use, fully charge your AYA NEO FLIP using the provided USB-C charger. Connect the charger to the USB4 Type-C port on the device. The charging indicator will show the charging status.

2. Powering On

Press and hold the Power Button (located on the side, often integrated with fingerprint recognition) for a few seconds until the screen illuminates and the device begins to boot up.

3. Initial Windows Setup

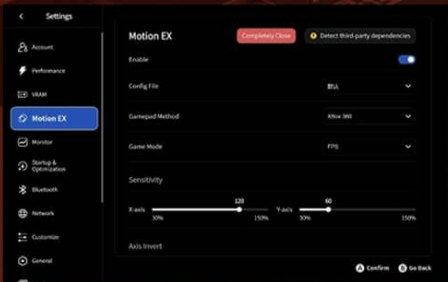
Follow the on-screen prompts to complete the Windows operating system setup. This includes selecting your language, region, connecting to a Wi-Fi network, and creating a user account.

4. AYA Space 2.0 Installation/Update

Once Windows is set up, ensure AYA Space 2.0 is installed and updated. AYA Space is your central hub for managing game libraries, performance settings, and device configurations. It provides features like Sense EX, Quick Setting Window, and FPS Thunder.

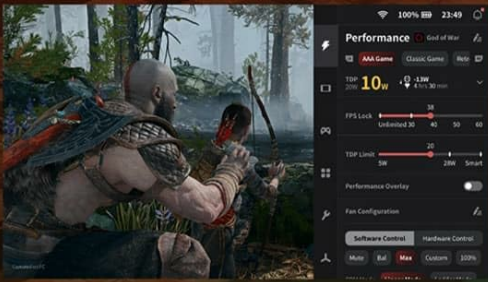
AYASpace 2.0 – Intimate Handheld Manager

AYASpace 2.0, with a new underlying architecture, continuously evolves, with comprehensive compatibility across multiple devices. It provides complete handheld and system settings, constantly enhancing the Windows handheld software experience.



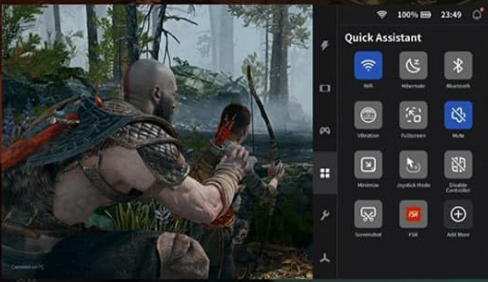
Sense EX Feature

Optional simulation and motion modes, set X/Y axis sensitivity, easily call the gyroscope, providing an immersive gaming experience.



Performance Scene Mode

Quickly switch performance modes according to different needs.



Quick Setting Window

One-click access covering all scenes, quickly completing the required function settings.



FPS Thunder

Intuitively monitor and display performance parameters, freely define themes and styles.

The AYA Space 2.0 interface, a comprehensive handheld manager for system and game settings.

5. Connecting Peripherals (Optional)

The AYA NEO FLIP supports external peripherals via its various ports. For enhanced graphics performance or a desktop experience, utilize the OCuLink SFF-8612 interface or the full-feature USB4 Type-C port with compatible docking stations or eGPUs.

OCuLink Interface Makes a Powerful Entrance, Expanding Performance to the Max

For the first time, AYA NEO handhelds are equipped with the OCuLink SFF 8612 interface, PCIe 4x4 direct connection, offering an effective bandwidth of up to 64Gbps. The mini size conceals an unimaginable data transfer capability.



Utilize the OCuLink interface / full-featured USB4 interface in conjunction with a graphics expansion dock / multifunctional docking station to transform it into a professional workstation.

Actual transfer bandwidth can exceed 7.8GB/s, a more than 50% improvement compared to direct USB4 connections. This enables full-blooded performance for external graphics card outputs, effortlessly handling more demanding AAA games and productivity requirements.

It is recommended to connect both OCuLink and USB4 ports simultaneously, with the OCuLink interface delivering comprehensive external graphics card performance and the USB4 interface serving for power supply and data transmission.

Note: The OCuLink interface does not support hot-swapping. Please connect the cables and devices before turning on the device. Graphics card docking stations and cables needed for OCuLink interface must be purchased separately.

Illustration of the OCuLink interface and its capability to connect to external graphics expansion and docking stations for enhanced performance.

OPERATING INSTRUCTIONS

1. Controls Overview

The AYA NEO FLIP features a comprehensive set of controls for gaming and navigation:

- **Hall Sensing Joysticks:** Provide high-precision, drift-free input.
- **Hall Triggers:** Offer dynamic feedback and precise input for racing and shooting games.
- **D-Pad and Face Buttons:** Standard gaming controls for various actions.
- **Shoulder Buttons (L1/R1) and Triggers (L2/R2):** Located on the top edge for additional in-game actions.

- **Function Buttons:** Dedicated buttons for system functions and AYA Space shortcuts.

Master All-in-One Control for Maximum Gaming Enjoyment



No Drift, High-precision Joysticks



Trigger Sensitivity Adjustment



Joystick Sensitivity Adjustment



Motor Vibration Intensity Adjustment



Zero Power Consumption Standby



Button Rapid Fire Function



Gyroscope Aiming Assist



A-B X-Y Key Swapping

Key control features of the AYA NEO FLIP, including Hall Sensing Joysticks and Triggers, and various adjustment options.



Hall Sensing Joystick

Zero-contact electromagnetic induction drive, high-precision with no drift.

Detailed view of the Hall Sensing Joystick, highlighting its zero-contact electromagnetic induction drive for high precision.



Hall Trigger

Zero-contact electromagnetic induction drive for higher input precision and stable feel. Emulates throttle-like experience, providing dynamic feedback at different force levels.

Close-up of the Hall Trigger, designed for higher input precision and dynamic feedback.

2. Display Usage

The AYA NEO FLIP features a vibrant 7-inch 120Hz display. The flip mechanism allows for various viewing angles, optimizing comfort and visibility during gameplay or productivity tasks.



The 7-inch 120Hz display of the AYA NEO FLIP, offering smooth visuals.

3. Performance Modes

Utilize AYA Space 2.0 to switch between different performance modes (e.g., Balanced, Performance, Power Saving) to optimize battery life or maximize gaming frame rates based on your needs. These modes adjust CPU/GPU power limits and fan speeds.

4. Connectivity

- **Wi-Fi 6E:** Connect to high-speed wireless networks for online gaming and downloads.
- **Bluetooth 5.2:** Pair wireless headphones, controllers, and other Bluetooth accessories.
- **USB Ports:** Use the USB4 Type-C and USB 3.2 Gen2 Type-C ports for data transfer, charging, and connecting external devices.

MAINTENANCE

1. Cleaning

Regularly clean the device with a soft, dry, lint-free cloth. For stubborn smudges on the screen, use a screen-specific cleaning solution applied to the cloth, not directly to the screen. Keep vents clear of dust and debris to ensure proper airflow.



Rear view of the AYA NEO FLIP KB/DS, highlighting the ventilation system.

2. Software Updates

Periodically check for Windows updates and AYA Space 2.0 updates to ensure optimal performance, security, and access to new features. Updates can be managed through Windows Settings and the AYA Space application.

3. Battery Care

To prolong battery life, avoid fully discharging the device frequently. Store the device in a cool, dry place when not in use for extended periods, ideally with the battery charged to around 50-70%.

TROUBLESHOOTING

Device Not Powering On

- Ensure the device is fully charged. Connect the charger and wait a few minutes before attempting to power on again.
- Perform a hard reset by holding the power button for 10-15 seconds.

Poor Performance in Games

- Check your performance mode in AYA Space 2.0 and ensure it's set to a higher performance profile.
- Ensure the device is not overheating. Check for blocked vents.
- Update graphics drivers and game patches.
- Lower in-game graphics settings.

Wi-Fi/Bluetooth Connectivity Issues

- Restart the device and your router/Bluetooth accessory.
- Check for updated network or Bluetooth drivers in Windows Device Manager.
- Forget and re-add the network or Bluetooth device.

SPECIFICATIONS

Feature	Description
Model Number	RM
Display	7-inch, 120Hz refresh rate
Storage Expansion	M.2 2230 PCIe 4.0 Interface (Supports up to 2TB)
External Graphics Interface	OCuLink SFF-8612 (PCIe 4x4 Protocol, 64Gbps Effective Bandwidth)
USB Ports	Full-feature USB4 Type-C (Up to 40Gbps, DP 1.4 4K@144Hz Video Output, PD Charging), USB 3.2 Gen2 Type-C (Up to 10Gbps)
Memory Card Slot	UHS-II High-speed TF Card Slot (Up to 300MB/s Read Speed)
Audio	3.5mm Headphone Jack
Security	Power Button with Fingerprint Recognition
Wireless Connectivity	WiFi 6E, Bluetooth 5.2

High-speed Transfer, On-demand High-energy Experience



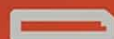
M.2 2230 PCIe 4.0 Interface

Supports up to 2TB



OCuLink SFF-8612 Interface

PCIe 4x4 Protocol, 64Gbps Effective Bandwidth



Full-feature USB4 Type-C Interface*1

Up to 40Gbps Speed | Supports DP 1.4 Protocol 4K@144Hz Video Output | PD Charging



USB 3.2 Gen2 Type-C Data Interface*1

Up to 10Gbps Speed



UHS-II High-speed TF Card Slot

Up to 300MB/s Read Speed



3.5mm Headphone Jack

Immersive Game Audio



Power Button with Fingerprint Recognition

One-key Access to the Gaming World



WiFi 6E and Bluetooth 5.2

High-speed and Stable Connectivity



Overview of the high-speed transfer and connectivity options available on the AYA NEO FLIP.

WARRANTY AND SUPPORT

Warranty Information

Your AYA NEO FLIP KB/DS comes with a limited manufacturer's warranty. Please refer to the warranty card included in your product packaging or visit the official AYA NEO website for detailed terms and conditions regarding coverage, duration, and claim procedures.

Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact AYA NEO customer support through their official website or the contact information provided in your product documentation. Ensure you have

your product model number (RM) and purchase details ready when contacting support.
Official AYA NEO Store: [Visit the AYA NEO Store on Amazon](#)

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question