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> AYA NEO Pocket DMG Handheld Gaming Console User Manual

AYA NEO Pocket DMG

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1. INTRODUCTION

Welcome to the AYA NEO Pocket DMG user manual. This document provides essential information for setting up, operating, maintaining, and troubleshooting your AYA NEO Pocket DMG handheld gaming console. The Pocket DMG is a high-performance portable device designed for gaming enthusiasts, featuring a vibrant OLED display, powerful Snapdragon G3x Gen 2 processor, and an Android 13 operating system.

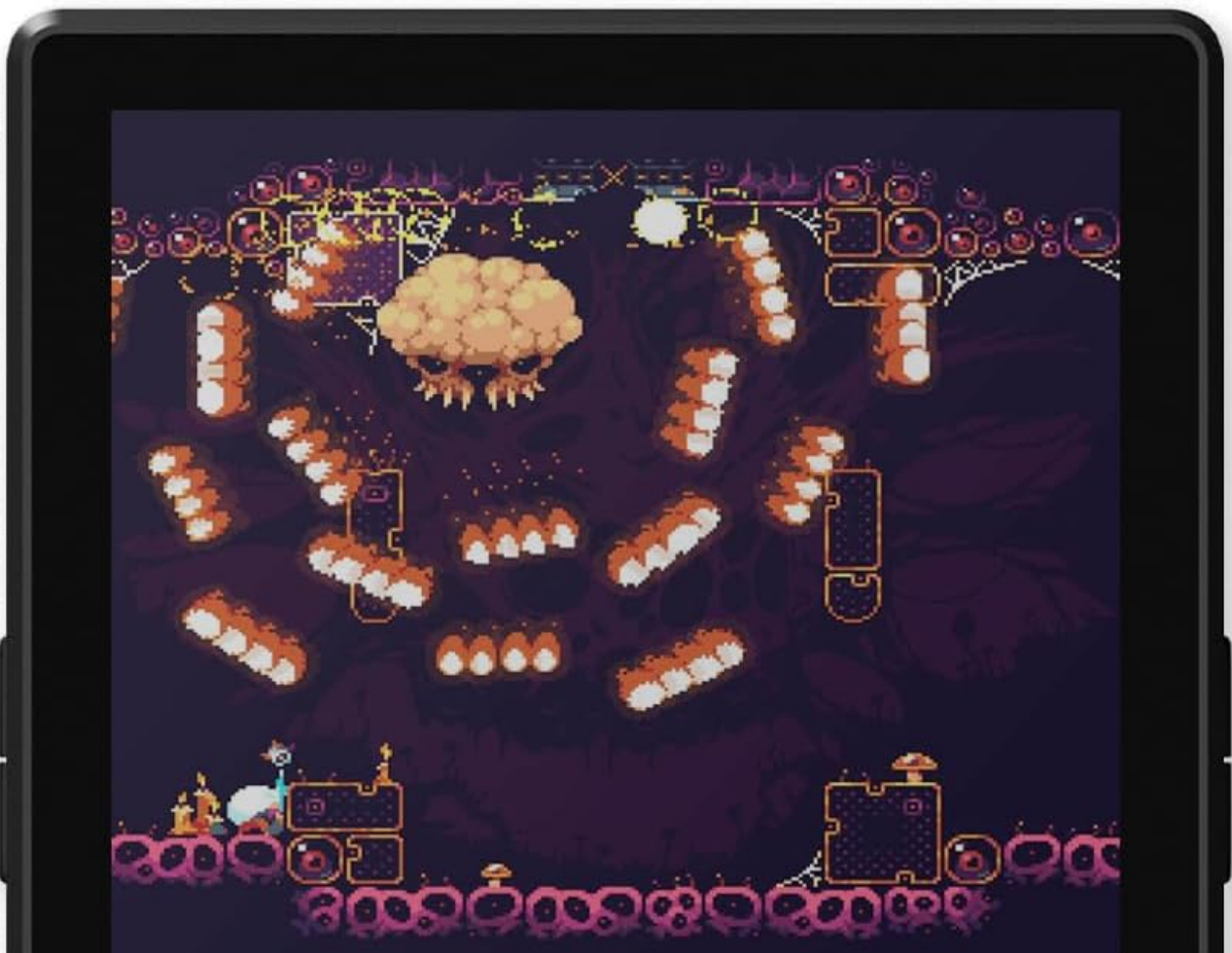




Image 1.1: The AYA NEO Pocket DMG handheld gaming console.

2. PRODUCT OVERVIEW AND FEATURES

The AYA NEO Pocket DMG combines classic handheld design with modern technology to deliver a robust gaming experience. Key features include:

- **Powerful Performance:** Equipped with the Snapdragon G3x Gen 2 Gaming Platform, featuring a 3.36 GHz Kryo Prime Ultra Octa-Core CPU and Adreno A32 GPU, ensuring smooth performance for a wide range of games.
- **Vibrant OLED Display:** A 3.92-inch OLED screen with a resolution of 1240x1080 pixels and 419 PPI, offering deep blacks and vivid colors.
- **Ample Memory and Storage:** 16GB LPDDR5X RAM and 512GB UFS 4.0 internal storage, expandable via microSD card.
- **Innovative Controls:** Features a left joystick with Hall Effect technology, a dual-mode touchpad, D-pad, ABXY buttons, and coastline shoulder buttons for precise and versatile control.
- **Long Battery Life:** A 6000mAh battery supports extended gaming sessions, with 25W PD fast charging capability.
- **Advanced Connectivity:** Supports Wi-Fi 6 (802.11ax) and Bluetooth 5.3 for stable wireless connections, along with a full-featured USB 3.2 Gen 2 Type-C interface.
- **Android 13 Operating System:** Provides access to a vast library of Android games and applications.

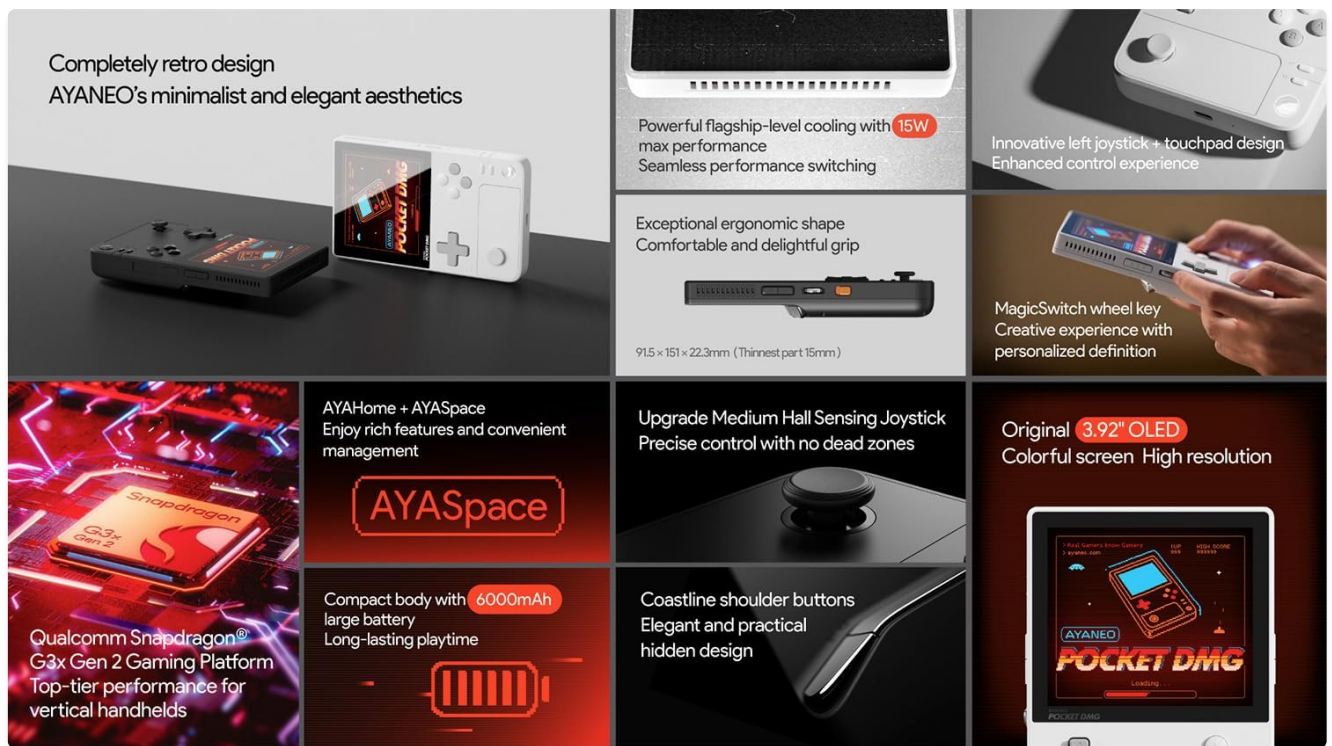


Image 2.1: Overview of the AYA NEO Pocket DMG's design and core features.

3. SETUP GUIDE

3.1 Initial Charging

Before first use, fully charge your AYA NEO Pocket DMG. Connect the included USB Type-C cable to the device's charging port and the other end to a compatible 25W PD fast charger. The charging indicator will show the charging status.

3.2 Powering On/Off

- **To Power On:** Press and hold the Power button located on the device until the screen illuminates.
- **To Power Off:** Press and hold the Power button until the power options appear on the screen. Select 'Power Off' to shut down the device. A short press will put the device into sleep mode.

3.3 Initial Android Setup

Upon first power-on, you will be guided through the standard Android 13 setup process. This includes selecting your language, connecting to a Wi-Fi network, and logging into your Google account. A stable internet connection is recommended for this process.

3.4 Connecting to Networks and Devices

- **Wi-Fi:** Navigate to Settings > Network & internet > Wi-Fi to connect to available wireless networks.
- **Bluetooth:** Navigate to Settings > Connected devices > Connection preferences > Bluetooth to pair with Bluetooth accessories such as headphones or external controllers.

4. OPERATING INSTRUCTIONS

4.1 Navigation and Controls

The Pocket DMG features a comprehensive control layout:

- **Left Joystick:** Hall Effect technology for precise analog input.
- **D-Pad:** For directional input in games and menu navigation.
- **ABXY Buttons:** Standard action buttons.
- **Shoulder Buttons:** Located on the top edge for additional in-game actions.
- **Dual-Mode Touchpad:** Offers versatile control options.
- **MagicSwitch Wheel Key:** Provides personalized function definition.



Vertical handheld console enjoys ultra-fast interconnection

Supports new WiFi technology and BT 5.3.

The theoretical maximum speed can reach 30Gbps, and the wireless connection experience of the vertical handheld console has never been so smooth. The high-energy gaming world is always stable online.



Full-featured USB 3.2 Gen 2 Type-C interface

Maximum transmission rate of 10Gbps | Support DP 1.4 protocol screen casting | Support PD fast charging



Micro SD card slot

SD 3.0 standard | Read speed up to 100MB/s



Note: Some functions need to be implemented with a router that supports this technology. Please refer to the actual situation.

Image 4.1: Advanced controller functions of the AYA NEO Pocket DMG.

4.2 Gaming and Software

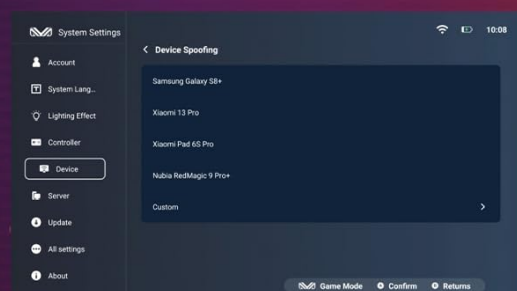
The Pocket DMG runs on Android 13, allowing access to the Google Play Store for downloading games and applications. The device also integrates with AYASpace and AYAHome for enhanced features and management.

- **AYASpace/AYAHome:** Utilize these applications for managing your games, system settings, and accessing exclusive features.
- **Game Database:** The device includes a game database for quick management of locally downloaded or imported games. Note that AYA NEO does not provide game resource downloads.

- **Button Mapping:** The device supports flexible button mapping, allowing you to adjust controls for different games.

Device camouflage

Disguise as a mainstream phone model to unlock high image quality and high frame rate options. Provide one-click disguise for common models. Set parameters by yourself to disguise more models.



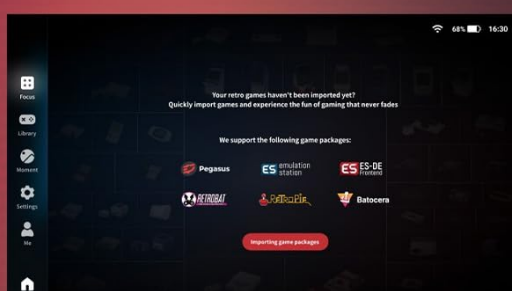
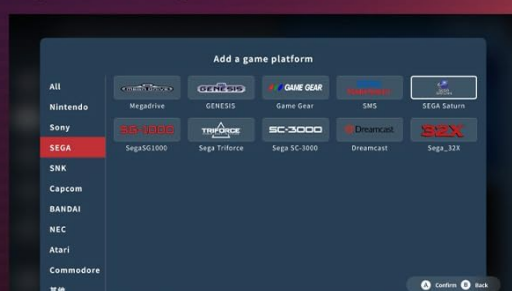
Insensitive "button mapping

The perspective rotation experience is smoother and more coherent. Button transparency can be freely adjusted. Multiple configurations for the same game. Save the settings separately according to the game.



The game scraping experience has been fully upgraded

Huge cloud database | Optimize startup logic and loading speed | Optimize the UX logic for importing game packages. Support more retro game front-ends.



Note: The game database only provides quick management functions for games downloaded or imported locally by players. AYANEO official does not provide any form of game resource download.

Image 4.2: Software features for device management and game optimization.

5. MAINTENANCE

5.1 Cleaning the Device

To maintain the appearance and functionality of your Pocket DMG:

- Use a soft, dry, lint-free cloth to wipe the screen and body.
- For stubborn smudges, slightly dampen the cloth with water or a screen cleaner. Avoid harsh chemicals.
- Do not spray cleaners directly onto the device.

5.2 Battery Care

To prolong battery life:

- Avoid extreme temperatures.
- Do not fully discharge the battery frequently.
- If storing the device for an extended period, charge it to about 50% and power it off.

5.3 Software Updates

Regularly check for system updates to ensure optimal performance and access to the latest features. Updates can typically be found in the device's Settings menu under 'System' or through the AYAHome application.

6. TROUBLESHOOTING

If you encounter issues with your AYA NEO Pocket DMG, refer to the following common solutions:

- **Device Not Powering On:** Ensure the device is sufficiently charged. Connect it to a charger for at least 30 minutes before attempting to power on again.
- **Unresponsive Screen:** If the screen is unresponsive, try restarting the device by holding the Power button for approximately 10-15 seconds until it powers off, then power it on normally.
- **Connectivity Issues (Wi-Fi/Bluetooth):** Check that Wi-Fi or Bluetooth is enabled in settings. Try toggling them off and on. For Wi-Fi, ensure you are within range of a known network and have entered the correct password.
- **Performance Lag:** Close unnecessary background applications. Ensure the device has sufficient free storage space. Consider reducing in-game graphics settings if applicable.
- **Application Crashes:** Try clearing the cache of the problematic application (Settings > Apps > [App Name] > Storage & cache > Clear cache). If the issue persists, reinstall the application.

For persistent issues not resolved by these steps, please refer to the official AYA NEO support resources.

7. SPECIFICATIONS

Detailed technical specifications for the AYA NEO Pocket DMG (Model: B0DG63Q7TN):

Feature	Specification
Processor	Snapdragon G3x Gen 2 (3.36 GHz)
Operating System	Android 13
Display	3.92-inch OLED, 1240x1080 pixels, 419 PPI
RAM	16GB LPDDR5X
Internal Storage	512GB UFS 4.0 (expandable via microSD)
Battery	6000mAh, 25W PD Fast Charging
Connectivity	Wi-Fi 6 (802.11ax), Bluetooth 5.3, USB 3.2 Gen 2 Type-C
Controls	Hall Effect Joystick, D-Pad, ABXY Buttons, Shoulder Buttons, Dual-Mode Touchpad, MagicSwitch Wheel Key
Dimensions	3.6 x 5.94 x 0.88 inches

Weight	278 Grams (9.8 ounces)
Material	Plastic

First Vertical Handheld with Snapdragon®
G3x Gen 2 Gaming Platform
Winning With the Power of "Dragon"



Built on advanced 4nm process technology and leading architecture, the CPU and GPU performance soar, providing more stable and reliable efficiency. This removes the weak performance label from vertical retro handheld consoles, delivering unprecedented, stunning performance.

From classic pixel games to modern large-scale mobile games, enjoy smooth, high-frame-rate gaming without pressure, expanding the boundaries of the vertical retro handheld gaming experience.

SoC	Snapdragon® G3x Gen 2 Gaming Platform
CPU	1+4+3 Octa-Core Architecture Kryo Prime Ultra Cores 3.36GHz
GPU	Adreno™ A32 @1GHz
Performance Cap	15W Performance Release

Image 7.1: Snapdragon G3x Gen 2 Gaming Platform details.

Original Collaborated 3.92" OLED Dazzling Screen

Revitalize Retro Games with Stunning Visuals

Continuing AYANEO's uncompromising pursuit of screen quality, we are the first to equip vertical retro hand-held consoles with an original, finely-tuned OLED vibrant screen. This screen offers industry-leading color brightness and a wider viewing angle, providing a seamless viewing experience . Combined with a higher screen-to-body ratio and an almost 8:7 aspect ratio, enjoy a more vivid, colorful, and immersive retro gaming experience.

1240x1080

Resolution

OLED

Vibrant

419PPI

Pixel Density

104%

NTSC

450nits

Peak Brightness

100000:1

Contrast Ratio

*Note: Due to individual differences, there may be a 5% - 10% variation in color gamut data. Please refer to the actual product for precise details.



Image 7.2: OLED Dazzling Screen specifications.

Seamless Power Combination Lightning-Fast Experience

The flagship performance trinity provides powerful support for vertical handheld consoles, ensuring apps respond faster and exciting games load without long waits.

With up to a 16GB + 1TB supreme combination, it leads the trend of large memory and storage for vertical handheld consoles, truly making it a portable gaming powerhouse.



*Note: Only the 128GB version uses UFS 3.1 flash memory.

Image 7.3: Memory and Storage specifications.

small body large energy 6000mAh guarantees long battery life

A high-density battery specially designed for vertical shapes, providing long-lasting and reassuring gaming battery life.
Supports PD fast charging, widely compatible and fast refilling, allowing you to fully explore the retro gaming world.

6000mAh



The AYANEO handheld console is equipped with a
Hall Medium joystick for the first time
Master-level manipulation that is difficult to retrieve

Larger travel range, doubled feel.

Zero contact electromagnetic induction drive, life 5 million durable play.

No dead zones, no drifting, precise control with flexible hands.

Image 7.4: 6000mAh battery capacity.

8. WARRANTY AND SUPPORT

For information regarding product warranty, returns, and technical support, please refer to the official AYA NEO website or contact your retailer. Keep your proof of purchase for warranty claims.

Online resources and FAQs may also be available on the AYA NEO support pages to assist with common inquiries.

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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