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› Powkiddy RGB20S Handheld Arcade Game Console User Manual

Astarama RGB20S

Astarama Powkiddy RGB20S Handheld Arcade Game Console User Manual

Model: RGB20S | Brand: Astarama

INTRODUCTION

Welcome to the world of retro gaming with your new Astarama Powkiddy RGB20S Handheld Arcade Game Console. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device. Please read it thoroughly to ensure optimal performance and enjoyment of your gaming experience.



Figure 1: Front view of the Powkiddy RGB20S Handheld Arcade Game Console, showcasing its 3.5-inch screen and control layout.

PRODUCT OVERVIEW

The Powkiddy RGB20S is a compact and powerful handheld console designed for retro gaming enthusiasts. It features an open-source system, a high-performance CPU, and a vast library of pre-loaded games.

Key Features:

- **Cool Appearance:** 3.5-inch IPS OCA full-fit high-definition screen with a retro 3D joystick design.
- **Excellent Performance:** RK3326 1.5GHz quad-core CPU for smooth gameplay and support for various mainstream emulator games. Includes a vibration motor for an immersive experience.
- **Rich Game Types:** Built-in 16G memory, equipped with a 128GB game card preloaded with 20,000 classic games. Open-source ArkOS supports multiple game formats.
- **Large Capacity Lithium Battery:** Integrated 3500mAh battery provides up to 8 hours of continuous play and supports quick charging.
- **Multifunctional:** Functions as a game console, video player, music player, and e-book reader. High-quality speakers support full audio formats.

Components:

Your Powkiddy RGB20S package includes:

- Game Console
- Charging Cable
- User Manual

ARM QUAD CORE HIGH PERFORMANCE CPU

OPEN LINUX SYSTEM

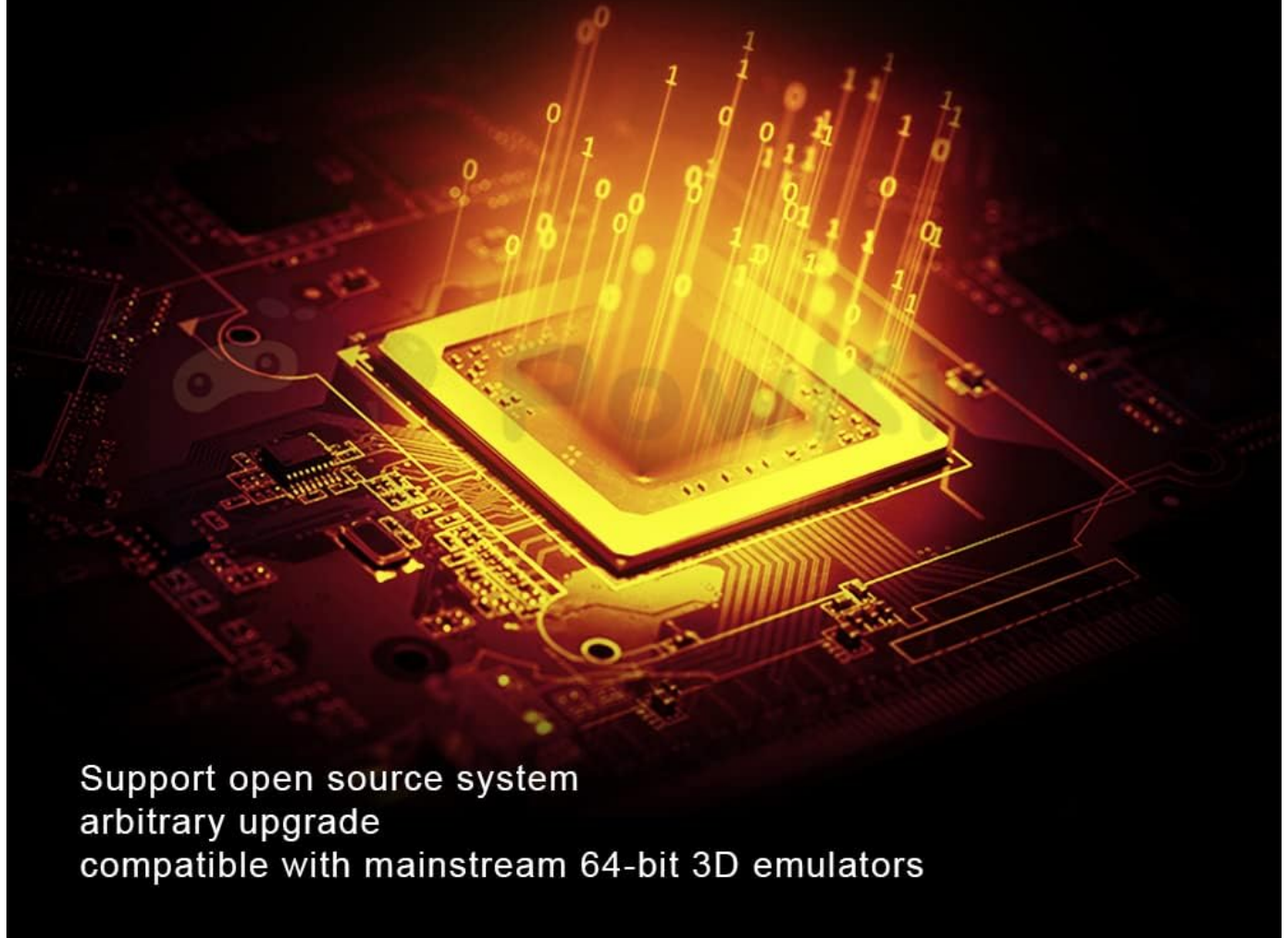
RGB20S



Figure 2: The console highlights its ARM Quad Core High Performance CPU and Open Linux System, indicating its robust processing capabilities for gaming.

RK3326 QUAD CORE 1.5GHZ

High-performance quad-core 64Bit A35 CPU
Mali-G31 GPU Up to 60HZ



Support open source system
arbitrary upgrade
compatible with mainstream 64-bit 3D emulators

Figure 3: Detailed view of the RK3326 Quad Core 1.5GHz CPU, emphasizing its high-performance 64-bit A35 architecture and Mali-G31 GPU, supporting open-source systems and 3D emulators.

3.5-INCH IPS SCREEN OCA FULL FIT

Wide viewing angle
Resolution 640*480
Dust-proof



Figure 4: Illustration of the 3.5-inch IPS OCA Full-Fit screen, offering a wide viewing angle, 640x480 resolution, and dust-proof design for clear visuals.

NEW UPGRADE OF KEY FEEL



Figure 5: Close-up of the console's comfortable trigger keys, designed for an improved tactile gaming experience.

DUAL TF CARD

Dual TF Card independent system and game storage design, there is no need to copy the game to upgrade the system



Figure 6: View of the dual TF card slots, indicating separate slots for the system card (16GB-256GB) and game card (16GB-256GB), allowing for independent storage and system upgrades.

SPECIFICATIONS

Feature	Description
Material	Plastic + Electronic Components
System	Open Source System (ArkOS)
Screen	3.5-inch IPS Full-fit
Resolution	640 x 480 pixels
CPU	RK3326 1.5GHz Quad-Core
Battery	3500mAh Lithium Battery
Battery Life	Up to 8 hours

Feature	Description
Charging Time	Approx. 2 hours
Memory Storage Capacity	128 GB (Game Card)
Product Dimensions	12 x 8.3 x 3 cm (4.72"L x 3.17"W x 1.18"H)
Product Weight	240g (8.5 ounces)
Controller Type	Button Control (D-pad, Joysticks, A/B/X/Y, Select, Start, Trigger keys)
Hardware Interface	HDMI (for external display)
Manufacturer Recommended Age	3 years and up

EASY TO CARRY

You can put it in your pocket and play at any time



Figure 7: The compact size of the Powkiddy RGB20S, shown held in a hand, with approximate dimensions for portability.

SETUP

1. **Unboxing:** Carefully remove the game console, charging cable, and user manual from the packaging.
2. **Initial Charge:** Before first use, fully charge the device. Connect the provided charging cable to the console's USB-C port and a compatible USB power adapter (not included). The charging indicator light will typically change when fully charged.
3. **TF Card Installation:** The console comes with pre-installed System and Game TF cards. Ensure they are securely seated in their

respective slots. The device supports dual TF card independent system and game storage.

4. **Power On:** Press and hold the power button located on the side of the console for a few seconds until the screen illuminates and the system begins to boot.

OPERATING INSTRUCTIONS

Powering On/Off:

- **To Power On:** Press and hold the power button until the screen turns on.
- **To Power Off:** Press and hold the power button until a power-off menu appears, then select 'Shutdown' or 'Power Off'.
- **Sleep Mode:** A short press of the power button will put the device into sleep mode, preserving battery and allowing for quick resume.

Navigation and Game Selection:

- Use the D-pad or analog joysticks to navigate through the main menu and game lists.
- Press the 'A' button (or equivalent action button) to select an option or launch a game.
- The console features various emulators for different platforms (e.g., Arcade, Nintendo, Super Nintendo, Game Boy, PlayStation, Sega Genesis, Dreamcast).
- You can add games to a 'Favorites' list for quick access.

In-Game Controls:

- The console features standard gaming buttons: D-pad, two analog joysticks, A/B/X/Y buttons, Select, Start, and four trigger buttons on the back.
- Specific button functions may vary depending on the game and emulator.
- **Exiting a Game:** Typically, pressing 'Select' and 'Start' simultaneously will bring up the emulator menu, allowing you to exit the game.

Volume Control:

- Adjust the volume using the dedicated volume control buttons located on the side of the console.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the console's exterior. For the screen, use a microfiber cloth specifically designed for electronics. Avoid abrasive cleaners or solvents.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the device regularly, even if not in use for extended periods. Store in a cool, dry place.
- **Storage:** When not in use, store the console in a protective case or a safe place to prevent scratches or damage.
- **TF Card Management:** Regularly back up important data from your TF cards to a computer. If experiencing performance issues or data corruption, consider replacing the TF cards with high-quality, reputable brands.

TROUBLESHOOTING

- **Device Not Turning On:** Ensure the battery is charged. Connect the charging cable and wait a few minutes before attempting to power on again. If the issue persists, try a different charging cable or adapter.
- **Games Not Loading or Crashing:** This can sometimes be due to corrupted TF cards. Ensure the TF cards are properly inserted. If issues persist, consider re-flashing the system card or replacing the game card with a new one and re-installing games.
- **Charging Issues:** Verify that you are using a compatible USB-C to USB-A charging cable. Some devices can be particular about the charger type.
- **Screen Issues (e.g., flickering, no display):** Try restarting the device. If the problem continues, it may indicate a hardware issue requiring professional assistance.

- **Controls Unresponsive:** Restart the device. If specific buttons are unresponsive, check for any physical obstructions or damage.

WARRANTY AND SUPPORT

For warranty information and specific support inquiries, please refer to the documentation provided with your purchase or contact Astarama customer service directly. Keep your proof of purchase for warranty claims.

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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