

Aivuidbs RG353VS

Aivuidbs RG353VS Retro Handheld Game Console User Manual

Model: RG353VS

1. INTRODUCTION

Welcome to the Aivuidbs RG353VS Retro Handheld Game Console user manual. This guide provides essential information for the proper setup, operation, and maintenance of your device. The RG353VS is a portable gaming system featuring a Linux 64-bit operating system, a 3.5-inch IPS screen, and support for various connectivity options including 5G WiFi, Bluetooth 4.2, and HDMI output.



Image 1.1: Front view of the Aivuidbs RG353VS Retro Handheld Game Console, showcasing its transparent black casing and control layout.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Aivuidbs RG353VS Handheld Game Console (Black)
- 64GB TF Card (Pre-installed or separate, for games)
- OS TF Card (Pre-installed, for operating system)
- USB Charging Cable
- User Manual (This document)

3. DEVICE OVERVIEW

Familiarize yourself with the various components and controls of your RG353VS console.

3.1. Controls and Ports

- **3.5-inch IPS Screen:** Main display for gameplay and navigation.

- **D-Pad:** Directional input.
- **Analog Joysticks:** For precise movement in games.
- **Action Buttons (A, B, X, Y):** Game-specific actions.
- **START/SELECT Buttons:** Game and system functions.
- **Shoulder Buttons (L1, L2, R1, R2):** Additional game controls.
- **Power Button:** Turns the device on/off.
- **Volume Buttons:** Adjusts audio output.
- **HDMI Output Port:** Connects to external displays.
- **USB-C Port:** For charging and data transfer.
- **TF Card Slots:** For operating system and game storage.

4. SETUP

4.1. Initial Charging

Before first use, fully charge the device. Connect the provided USB charging cable to the console's USB-C port and a compatible USB power adapter (not included). The charging indicator will show the charging status. A full charge typically takes 2-3 hours. The 3200 mAh Li-polymer battery provides approximately 5-6 hours of usage.

4.2. Inserting TF Cards

The RG353VS typically uses two TF cards: one for the operating system (OS) and one for game storage.

1. Locate the TF card slots on the device.
2. Insert the OS TF card (usually smaller capacity, pre-installed with Linux) into the designated OS slot.
3. Insert the game storage TF card (e.g., 64GB) into the designated game slot. Ensure cards are inserted correctly until they click into place.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off

- **To Power On:** Press and hold the Power button until the screen illuminates.
- **To Power Off:** Press and hold the Power button, then select the "Shutdown" option from the menu. Avoid simply holding the power button until it forces off, as this can lead to data corruption.

5.2. Navigation

Use the D-Pad or analog joysticks to navigate through menus and game selections. The A button typically confirms selections, and the B button typically cancels or goes back.

5.3. Game Play

The RG353VS supports various game formats across multiple platforms.

Support users to download games in relevant formats

Support: Android games (Honor of Kings, etc.)、PSP、DC、SS、PS1、NDS、N64、CPS1、CPS2、CPS3、FBA、NEOGEO、GBA、GBC、GB、SFC、FC、MD、SMS、GG、MSX、PCE、WSC、N-Gage、indie game and more than 20 formats of games.



Image 5.1: Visual representation of various game formats supported by the RG353VS, including Android, PSP, DC, NDS, N64, Arcade, GBA, FC, and more.

1. From the main menu, select the desired emulator or game system.
2. Browse the list of available games.
3. Select a game to launch it.
4. During gameplay, refer to the in-game instructions for specific controls.

5.4. Connecting to Wi-Fi

The device supports 2.4G/5G Wi-Fi for online features and updates.

1. Navigate to the system settings menu.
2. Select "Network" or "Wi-Fi Settings".
3. Turn on Wi-Fi and select your desired network from the list.
4. Enter the password if prompted and connect.

5.5. Bluetooth Pairing

Bluetooth 4.2 allows connection to compatible accessories like external controllers.

1. Go to system settings and find "Bluetooth Settings".

2. Enable Bluetooth.
3. Put your Bluetooth accessory into pairing mode.
4. Select the accessory from the list of available devices on the RG353VS to pair.

5.6. HDMI Output

Connect your RG353VS to a larger display using the HDMI output port.



Image 5.2: The RG353VS connected via HDMI to an external monitor, demonstrating its capability for larger screen gameplay and Moonlight streaming.

1. Connect an HDMI cable (not included) from the RG353VS to your TV or monitor.
2. Switch your TV/monitor's input source to the corresponding HDMI port.
3. The console's display should automatically mirror or extend to the external screen.

5.7. Moonlight Streaming

The RG353VS supports Moonlight streaming, allowing you to play PC games on the handheld device.

1. Ensure your PC has NVIDIA GeForce Experience installed and GameStream enabled.
2. Connect both your PC and the RG353VS to the same local network via Wi-Fi.
3. Launch the Moonlight application on your RG353VS.

4. Follow the on-screen instructions to pair with your PC and begin streaming games.

5.8. Game Management

To add more games, you will need to transfer game ROMs to the game storage TF card.

1. Remove the game storage TF card from the RG353VS.
2. Insert the TF card into a computer using a card reader.
3. Locate the appropriate folders for each game system (e.g., "PSP", "NDS", "GBA").
4. Copy your game ROM files into the corresponding folders.
5. Safely eject the TF card from your computer and reinsert it into the RG353VS.
6. The system may require a refresh of the game list to detect new games.



Image 5.3: The RG353VS connected to a PC via USB, illustrating its functionality as a wired gamepad for computer gaming.

The RG353VS can also function as a wired gamepad when connected to a PC, expanding its utility beyond standalone gaming.

6. 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.

- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the device regularly, even if not in use for extended periods.
- **Software Updates:** Periodically check for system updates to ensure optimal performance and compatibility.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery; TF card not inserted correctly or corrupted.	Charge the device for at least 30 minutes. Ensure the OS TF card is properly inserted. Try re-seating the TF card.
Games are not appearing or launching.	Game ROMs not in correct directory; corrupted game files; incorrect emulator settings.	Verify game ROMs are in the correct system folders on the game TF card. Ensure the TF card is properly inserted. Try refreshing the game list in the system menu.
Wi-Fi or Bluetooth connectivity issues.	Incorrect password; device out of range; interference.	Double-check Wi-Fi password. Ensure device is within range of the router/Bluetooth accessory. Restart the console and try again.
Screen flickering or display issues.	Software glitch; low battery.	Restart the device. Ensure the battery is sufficiently charged. If persistent, consider a system update or factory reset (backup data first).

8. SPECIFICATIONS

Feature	Detail
Model	RG353VS
Operating System	Linux 64-bit (RK3566)
Processor	RK3566 Quad-core 64-bit Cortex-A55, up to 1.8Ghz
RAM	LPDDR4 1GB
Screen	3.5-inch IPS full viewing angle, OCA full-fit screen (640*480 resolution)
Storage	16GB TF (OS), 64GB TF (Game Storage)
Wi-Fi	2.4G/5G Wi-Fi
Bluetooth	Bluetooth 4.2
Battery	3200 mAh Li-polymer, approx. 5-6 hours battery life
Dimensions	4.9"L x 3.2"W x 0.8"H (17.4cm x 8.4cm x 2.1cm)

Feature	Detail
Weight	11.3 ounces
Hardware Interface	HDMI, USB-C
Supported Features	Wired handle function, Moonlight Streaming



Image 8.1: A comparison chart highlighting key specifications of the RG353VS (Single OS) and RG353V (Dual OS) models, detailing differences in RAM, storage, and features like touch screen and Android support. Note that this manual focuses on the RG353VS model.

9. WARRANTY AND SUPPORT

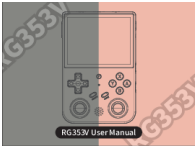
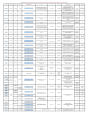
For warranty information and technical support, please refer to the official Aivuidbs website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Manufacturer: Aivuidbs

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Related Documents - RG353VS

	Anbernic RG353V/RG353VS User Manual: Setup, Operation, and Features Comprehensive user manual for the Anbernic RG353V and RG353VS handheld retro gaming consoles. Learn about boot-up, system operations (Android/Linux), button controls, settings, charging, and online play.
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	Anbernic RG353V User Manual: Operation and Settings Guide Comprehensive user manual for the Anbernic RG353V handheld game console, covering system boot-up, shutdown, Android and Linux interface operations, language and brightness settings, emulator hotkeys, Bluetooth connectivity, streaming, and charging functions.
	RG Retro Gaming Handheld Comparison Sheet: Specs and Features A comprehensive comparison of RG retro gaming handheld consoles, detailing specifications such as CPU, GPU, RAM, screen size, operating system, connectivity options (Wi-Fi, Bluetooth), and unique features for each model.
	RG Handheld Gaming Device Comparison Sheet: Specifications and Features A comprehensive comparison of RG series handheld gaming devices, detailing their system, type, screen size, compatible games, CPU, GPU, RAM, other features, WiFi/Bluetooth capabilities, and HD output options.