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> [Miyoo Mini V4 Handheld Video Game Console User Manual](#)

Miyoo Miyoo Mini V4

Miyoo Mini V4 Handheld Video Game Console User Manual

Model: Miyoo Mini V4

INTRODUCTION

This manual provides essential instructions for setting up, operating, and maintaining your Miyoo Mini V4 Handheld Video Game Console. Please read this manual thoroughly before use to ensure proper functionality and longevity of your device.

PACKAGE CONTENTS

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

- Miyoo Mini Game Console x1
- 128GB TF Card x1
- USB Type-C Data Cable x1
- Card Reader x1
- User Manual x1
- Protective Storage Bag x1

Package Includes



Image: Contents of the Miyoo Mini V4 package, including the console, 128GB TF card, USB-C cable, card reader, user manual, and a protective storage bag.

PRODUCT OVERVIEW

The Miyoo Mini V4 is a compact handheld console designed for retro gaming. It features a 2.8-inch IPS screen and an intuitive button layout.

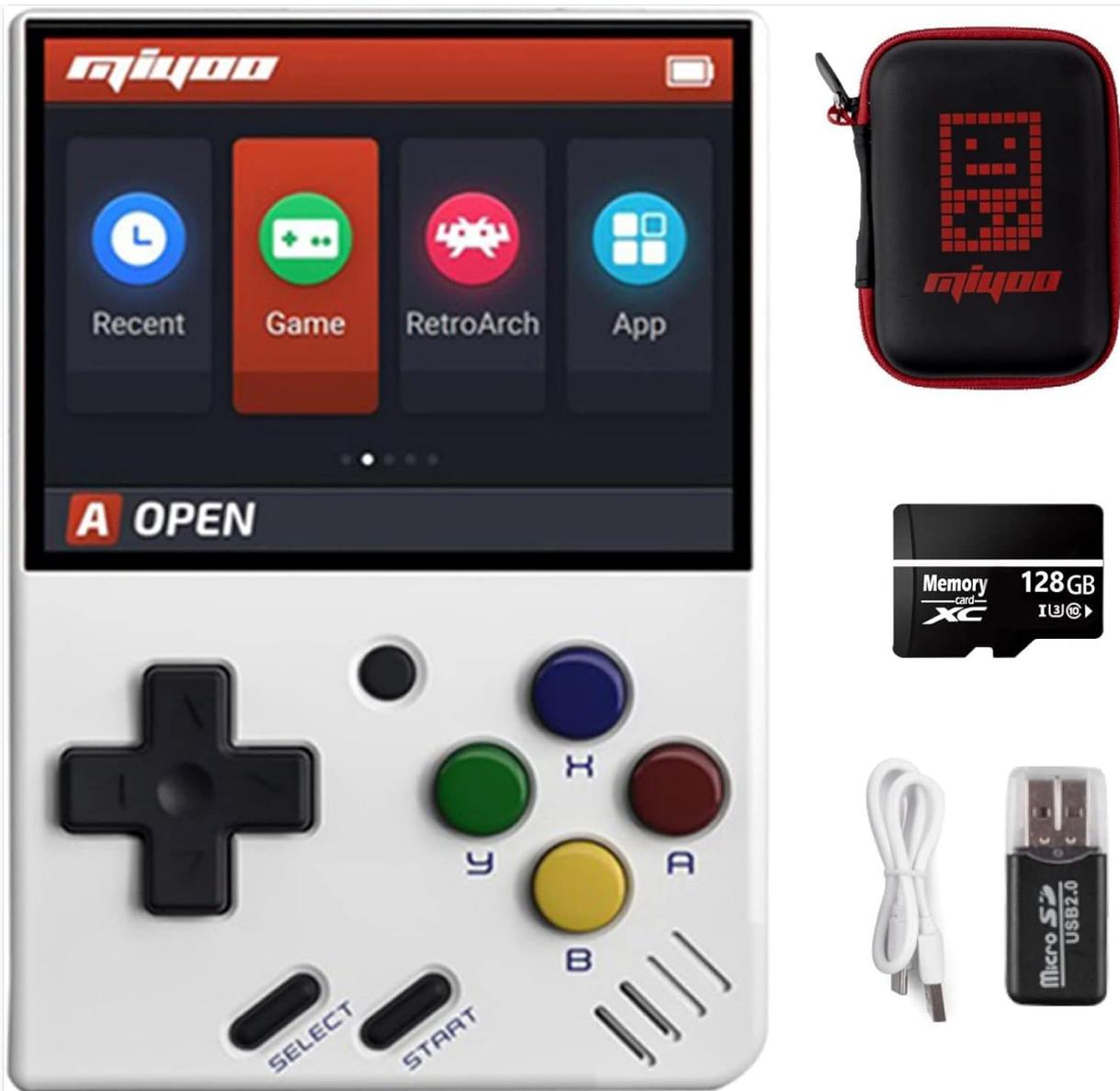


Image: Front view of the Miyoo Mini V4 console, showing the screen displaying the main menu with "Recent", "Game", "RetroArch", and "App" icons. To the right are a black carrying case, a 128GB MicroSD card, a USB-C cable, and a MicroSD card reader.

Key Components:

- **2.8-inch IPS Screen:** High-resolution display for clear visuals.
- **D-Pad:** Directional control for movement in games.
- **Action Buttons (A, B, X, Y):** Primary game input buttons.
- **Start/Select Buttons:** Standard game control functions.
- **Power Button:** For turning the device on and off.
- **USB-C Port:** For charging and data transfer.
- **TF Card Slot:** For game storage and system files.

SETUP

1. **Charge the Device:** Connect the Miyoo Mini V4 to a power source using the provided USB Type-C cable. The device supports fast charging protocols (PD, QC, AFC). A full charge takes approximately 1.5 hours.
2. **Insert TF Card:** The 128GB TF card comes pre-installed with over 11,000 games. Ensure it is properly seated in the TF card slot before powering on the device.

OPERATING INSTRUCTIONS

Power On/Off:

- **To Power On:** Press and hold the Power button until the screen illuminates.
- **To Power Off:** Navigate to the system menu and select the power off option, or press and hold the Power button until the device shuts down.

Navigation:

- Use the **D-Pad** to navigate through menus and game lists.
- Press the **A button** to confirm selections.
- Press the **B button** to go back or cancel.



Image: A hand holding the Miyoo Mini V4 console, showing the game selection menu with various emulator options like Arcade, FC, GB, GBA, MAMEPlus, MD, MS, and NeoGeo.

Launching Games:

1. From the main menu, select "Game" or "RetroArch" to access your game library.
2. Navigate through the list of emulators or game titles.

3. Select a game to launch it.

Saving and Loading Games:

The device supports in-game saving and potentially system-level save states. Refer to the specific emulator's instructions within RetroArch for detailed save/load procedures. It is recommended to use both in-game saves and save states for critical progress.

System Settings:

The customized Linux-based system allows for various settings adjustments, including:

- Game collection management
- Background music replacement
- System hibernation
- System language selection
- Key mapping customization
- One-key system recovery

Access these settings through the "App" or "Settings" menu on the console.

GAME MANAGEMENT

The Miyoo Mini V4 supports downloading and adding games in various formats. To add new games:

1. Remove the TF card from the console.
2. Insert the TF card into the provided card reader, then connect the card reader to a computer.
3. Locate the appropriate emulator folders on the TF card (e.g., "GB" for Game Boy, "GBA" for Game Boy Advance, "FC" for NES).
4. Transfer your game ROM files into the corresponding folders.
5. Safely eject the TF card from your computer, reinsert it into the console, and power on. The new games should appear in the respective emulator's game list after a system refresh (if applicable, check system settings).

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:** When not in use, store the console in its protective storage bag to prevent scratches and dust accumulation.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the device regularly, even if not in constant use.
- **Software Updates:** Periodically check for official system software updates to ensure optimal performance and compatibility.

TROUBLESHOOTING

If you encounter issues with your Miyoo Mini V4, refer to the following common solutions:

- **Device does not power on:**

- Ensure the battery is charged. Connect the device to a charger for at least 30 minutes.
- Verify the power button is pressed and held sufficiently.
- **Blank screen after powering on:**
 - Check if the TF card is properly inserted. Re-insert it firmly.
 - If the issue persists, try reformatting the TF card and reinstalling the system software (advanced users only, backup data first).
- **Games do not save properly or revert to old saves:**
 - Ensure you are using the correct in-game save function for the specific game.
 - Utilize the emulator's save state feature (usually accessible via a hotkey combination) in addition to in-game saves.
 - Verify the TF card is not corrupted or full.
- **System freezes or crashes:**
 - Restart the device by holding the Power button until it shuts down, then power it back on.
 - Ensure the TF card is not damaged or has bad sectors.
 - Consider performing a "one-key system recovery" if available in the system settings (this may reset settings or data).
- **Device is too small/uncomfortable to hold:**
 - This is a compact device. Consider purchasing third-party grips or accessories designed to improve ergonomics if available.

For further assistance, consult online communities or the manufacturer's support resources.

SPECIFICATIONS

Feature	Detail
Model	Miyoo Mini V4
Screen Size	2.8 inches IPS
Screen Resolution	640x480
Operating System	Linux (Open Source System)
CPU	Quad-Core 64-bit Cortex-A7, Dual Core 1.2GHz
Storage Expansion	Dual TF card expansion, up to 128GB (128GB card included)
Battery	Li-polymer 2000 mAh
Battery Life	Approximately 6 hours
Charging	USB Type-C, supports PD, QC, AFC protocols (9V~12V≥2.5A input, 1.5 hours for full charge)

Dimensions	93.5mm x 65mm x 18mm (3.45"L x 2.48"W x 1.14"H)
Weight	6.4 ounces
Material	ABS Environmental Protection Material
Sensor	Vibration motor
Languages	Multiple languages supported

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or contact the retailer where the product was acquired. Specific warranty terms may vary by region and seller.

For technical inquiries or community support, online forums dedicated to Miyoo devices can be a valuable resource.

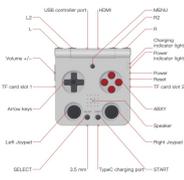
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Related Documents - Miyoo Mini V4

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[MIYOO-355 Handheld Game Console User Manual](#)

Comprehensive user manual for the MIYOO-355 handheld game console, covering setup, game installation, power management, TV connectivity, firmware upgrades, and safety precautions.



Get started

- Insert the TF card with installed games into the TF card slot.
- Charge the device to ensure it can start up normally.
- Press and hold the **SELECT** button for 3 seconds to power on.

How to install games

- Remove the TF card from console and insert it into the card reader that is already connected to the computer. Click the "PC" in the installed directory of the TF card.
- Open the TF card on the TF card slot, press **SELECT** to open the menu, and select "Refresh PC".

Idle mode, sleep mode, and wake-up

- After 30 seconds of inactivity, the console will enter idle mode and the screen will dim.
- In idle mode, press any key to wake up the console.
- After 3 episodes of inactivity or press of the **SELECT** button, the console will enter sleep mode and the screen and sound will turn off.
- In sleep mode, press the **SELECT** button to wake up the console.
- Click the hardware buttons to enter sleep mode and open it to wake up.

Power On/Off

- Power On: Press and hold the **SELECT** button for 3 seconds to power on.
- Power Off: Press and hold the **SELECT** button for 3 seconds to open the power menu, then press the **SELECT** key to turn off.



Navigation
After booting up, under the navigation menu, use the **SELECT** button to navigate options, and press the **SELECT** button to select.



Start playing the game
Select the game in the game list and press the **SELECT** to start the game.



Exit the game
In the game, press the **SELECT** to open the menu, select the "Quit" option, and press the **SELECT** to quit the game.



Save or load game progress
In the game, press the **SELECT** to open the menu, select "Save or Load" on the menu, and press **SELECT** to save or load the current progress. Up to 10 save slots are supported.



Setting
Use the **SELECT** to navigate up and down to select the settings item, and use the **SELECT** to toggle left and right to switch between option values.

Connecting the TV to play games.

- Plug the USB connector into the USB port for connection on the top of the 8BitStick controller.
- Connect the HDMI port on the top of the game console to the HDMI port on the monitor using an HDMI cable.
- Restart the game console to see the external display.



Firmware upgrade

- Turn off the console and place the upgrade image file in the root directory of the TF card.
- Insert the TF card, press and hold the **SELECT** button for 3 seconds to automatically start the upgrade, and the console will shut down automatically after the upgrade is completed.
- Press and hold the **SELECT** button for 3 seconds to power on.

Charging indicator light **Power indicator light**
Charging: Red Power On: Green
Fully charged: Turns off Power Off: Turns off

- Pay attention to the following safety precautions when in use:
 - Please do not spray any liquid onto the body of the device to prevent liquid penetrating the internal electronic device.
 - Do not modify, repair, or dismantle the product.
 - Do not use any sharp or pointed tools to clean this product.
 - Avoid exposure to high temperatures or direct contact with flames.



[Miyoo Mini / Plus Game List by 8bitstick](#)

Explore the extensive game catalog for the Miyoo Mini and Miyoo Plus handheld consoles, featuring titles for numerous classic gaming systems, powered by OnionOS. Available from 8bitstick.com.



[Retro FC Portable Game Console User Manual](#)

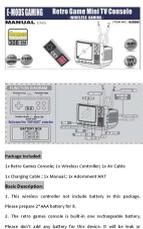
User manual for the Retro FC portable game console, covering installation, battery notice, video connection, reset function, volume control, care and maintenance, warnings, precautions, and troubleshooting.



[Super Mini Games Console User Manual & Troubleshooting Guide](#)

User manual and troubleshooting guide for the Super Mini Games Console, an 8-bit video game console featuring classic games. Learn how to resolve common issues like no image, no color, or no sound.





[E-Mods Gaming Retro Game Mini TV Console User Manual](#)

User manual for the E-Mods Gaming Retro Game Mini TV Console, featuring 308 games, a 3-inch TFT screen, wireless controller, and AV output. Includes setup instructions, operating tips, and safety precautions.