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Retroid Pocket Flip 2

Retroid Pocket Flip 2 Retro Game Console User Manual

Model: Flip 2

1. INTRODUCTION

This manual provides essential information for the setup, operation, maintenance, and troubleshooting of your Retroid Pocket Flip 2 retro game console. The Retroid Pocket Flip 2 is a portable Android handheld device designed for gaming, featuring a high-resolution AMOLED display and robust performance.



Figure 1: Retroid Pocket Flip 2 console in black, showcasing its clamshell design and controls.

2. PRODUCT FEATURES

- **Operating System:** Runs Android 13, offering full support for the Google Play Store for app downloads and updates.
- **Processor:** Equipped with Qualcomm Snapdragon 865 (CPU: 1*A77@2.8G 3*A77@2.4G 4*A55@1.8G, GPU: Adreno 650).
- **Memory & Storage:** 8GB LPDDR4x RAM (2133MHz) and 128GB UFS 3.1 internal storage, expandable via TF Card Slot.
- **Display:** Stunning 5.5-inch AMOLED 1080p screen with 500 nits brightness and 60Hz refresh rate.
- **Design:** Clamshell design with a reinforced hinge for durability and portability.
- **Controls:** Features Hall-effect analog sticks for precise gameplay and ergonomic button placement.
- **Cooling:** Integrated active-cooling system to prevent thermal throttling during extended use.
- **Connectivity:** Supports Wi-Fi 6, Bluetooth 5.1, USB-C DisplayPort, and a 3.5mm audio jack.
- **Battery:** 5,000mAh battery with 27W fast charging capability for extended gaming sessions.

OLED SCREEN

5.5" 1080p AMOLED 500Nits



Figure 2: The 5.5-inch AMOLED 1080p display provides clear and vibrant visuals.

REINFORCED HINGE DESIGN

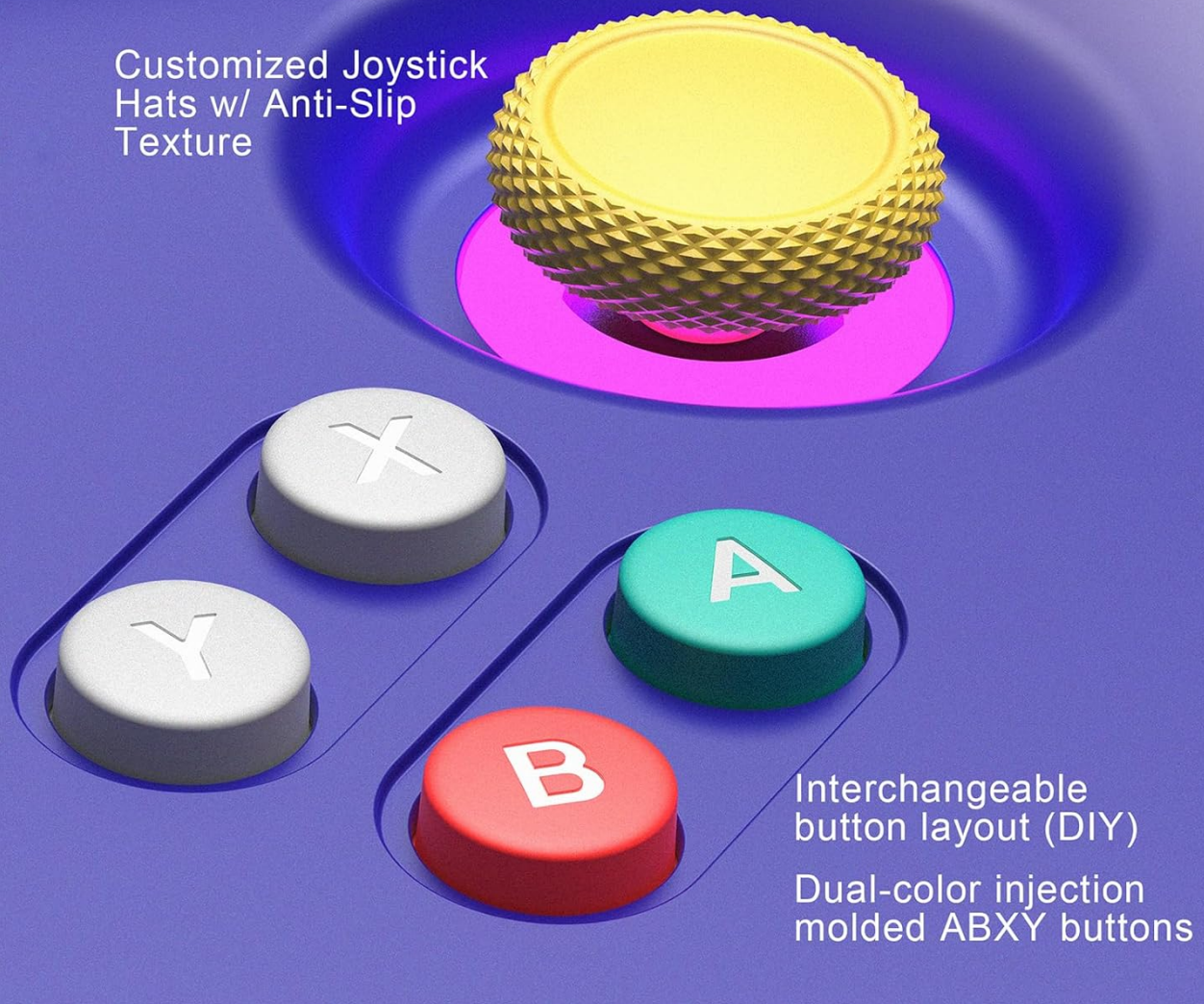
Utilizing a newly enhanced hinge design to ensure long-term stability and reliability, eliminating concerns of loosening or breakage.



Figure 3: The reinforced hinge ensures long-term stability and reliability.

HALL EFFECT ANALOG STICKS

Customized Joystick Hats w/ Anti-Slip Texture



Interchangeable button layout (DIY)
Dual-color injection molded ABXY buttons

Figure 4: Hall-effect analog sticks offer precise control without drift.

3. SPECIFICATIONS

Feature	Detail
Product Dimensions	5.53"L x 3.52"W x 0.96"H
Item Weight	0.67 Pounds (10.8 ounces)
Screen Size	5.5 Inches
Display Type	AMOLED (OLED)
Operating System	Android 13
CPU	Qualcomm Snapdragon 865 (1*A77@2.8G 3*A77@2.4G 4*A55@1.8G)

Feature	Detail
GPU	Adreno 650
RAM	8GB LPDDR4x 2133MHz
Storage	128GB UFS 3.1 + TF Card Slot
Battery	5000mAh Rechargeable Lithium-ion Battery
Charging Speed	27W Fast Charging
Wireless Connectivity	Wi-Fi 6 & Bluetooth 5.1
Ports	USB-C (with DisplayPort), 3.5mm Audio Jack
Material	Plastic

POWERFUL PERFORMANCE

Equipped with two optional processors, Snapdragon SD865 and Dimensity D1100.

SD865

CPU

1xA77@2.8G

3xA77@2.4G

4xA55@1.8G

Process

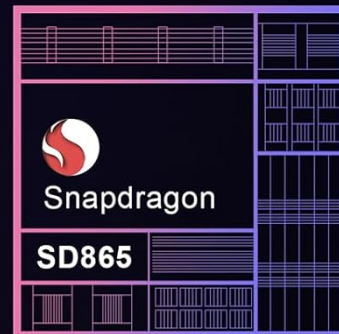
7nm

GPU

Adreno 650

Connectivity

Wi-Fi 6+BT5.1



D1100

CPU

4xA78 @ 2.6G

4xA55 @ 2.0G

Process

6nm

GPU

G77 MC9

Connectivity

Wi-Fi 6+BT5.2

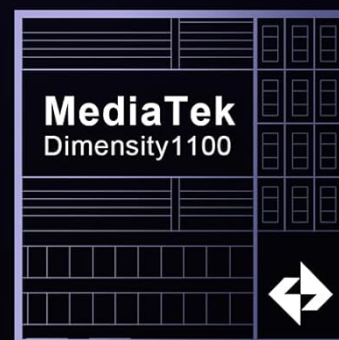


Figure 5: The Snapdragon 865 processor provides high performance for gaming and emulation.

ACTIVE COOLING

Integrated active cooling system for optimal performance and heat management.

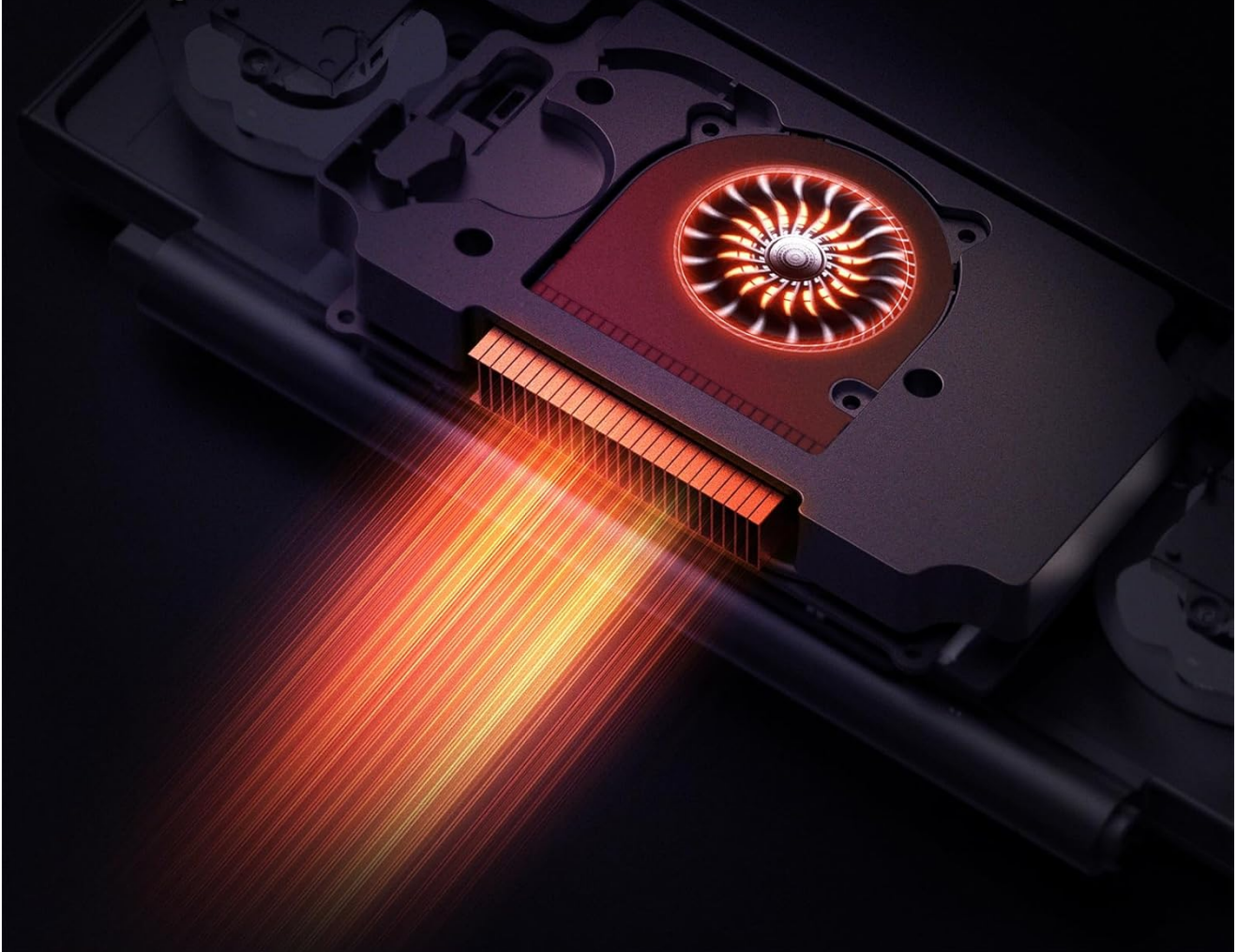


Figure 6: The active cooling system helps maintain optimal performance during intensive use.

4. SETUP

4.1 Initial Charging

Before first use, or after a long period of inactivity, the device may enter battery protection mode. In this mode, you need to charge the device for an extended period to wake the battery. Connect the included USB-C charging cable to the device and a compatible 27W fast charger (not included). The device will indicate charging status.

4.2 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 a power-off menu appears on the screen. Select 'Power Off' to shut down the device. A short press will put the device to sleep.

4.3 Connecting to Wi-Fi

To access online features, the Google Play Store, and system updates, connect your device to a Wi-Fi network:

1. Go to 'Settings' from the Android home screen.
2. Select 'Network & internet'.
3. Tap 'Wi-Fi' and enable it.
4. Select your desired Wi-Fi network from the list and enter the password if prompted.

4.4 Google Play Store Setup

The Retroid Pocket Flip 2 runs Android 13 and fully supports the Google Play Store. You will need a Google account to download apps and games. Follow the on-screen prompts to sign in or create a new Google account when you first open the Play Store application.

Note: No games are preloaded on the Retroid Pocket Flip 2. Users are responsible for acquiring and installing their own games and emulators.

5. OPERATING THE CONSOLE

5.1 Basic Controls

The device features a standard gaming control layout:

- **D-Pad:** For directional input.
- **Hall-Effect Analog Sticks:** Two analog sticks for 360-degree movement and camera control.
- **ABXY Buttons:** Standard action buttons.
- **Shoulder Buttons (L1/R1) and Triggers (L2/R2):** Located on the top edge of the device.
- **Start/Select Buttons:** For in-game menu navigation and selections.

5.2 Navigating the Android Interface

Navigate the Android 13 interface using the touchscreen or the physical controls. The analog sticks and D-pad can be mapped to navigate menus, and the A button typically acts as a 'confirm' action.

5.3 Game Loading and Emulation

After installing your preferred emulators and games from the Google Play Store or other sources, launch them from the Android home screen. Most emulators will require you to configure the physical controls within their settings for optimal gameplay.

5.4 External Display Connection

The USB-C port supports DisplayPort 1080p output, allowing you to connect the console to an external monitor or TV for a larger gaming experience. Use a compatible USB-C to DisplayPort cable (not included).

5.5 Audio Output

The device features high-fidelity dual speakers. For private listening, connect 3.5mm stereo headphones to the dedicated audio jack.

5.6 MicroSD Card Usage

Insert a formatted MicroSD card into the TF Card Slot to expand storage for games and media. The device supports cards up to 2TB. Ensure the card is properly inserted and recognized by the system before transferring files.

6. MAINTENANCE

6.1 Battery Care

- Avoid fully discharging the battery frequently.
- If the device is unused for an extended period, charge it periodically to prevent deep discharge and battery protection mode.
- Use only approved charging devices.
- Do not expose the battery to extreme temperatures.

6.2 Cleaning the Device

Use a soft, dry cloth to clean the exterior of the console. For the screen, use a microfiber cloth specifically designed for electronics. Avoid using harsh chemicals or abrasive materials.

6.3 Active Cooling System

The active cooling system is designed to operate without user intervention. Ensure that the air vents on the device are not obstructed during use to allow for proper heat dissipation.

7. TROUBLESHOOTING

- **Device not turning on:** Ensure the battery is sufficiently charged. If in battery protection mode, charge for an extended period (several hours) before attempting to power on.
- **Screen unresponsive:** Try restarting the device. If the issue persists, ensure the device is not physically damaged.
- **Games running slowly:** Check the emulator settings for performance options. Ensure the device is not overheating (active cooling should manage this, but check for obstructed vents).
- **Connectivity issues:** Verify Wi-Fi and Bluetooth settings. Ensure you are within range of a strong signal.
- **System updates:** The device supports Official OTA (Over-The-Air) updates. Check for system updates periodically in the 'Settings' menu to ensure optimal performance and access to the latest features.

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact Retroid Pocket customer support. Keep your proof of purchase for any warranty claims.

Official OTA support is provided for system updates, ensuring your device remains current with the latest software enhancements and bug fixes.