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› RG36PRO Retro Handheld Game Console User Manual

Colourbing RG36 Pro-B

RG36PRO Retro Handheld Game Console User Manual

Model: RG36 Pro-B

1. INTRODUCTION

The Colourbing RG36PRO Retro Handheld Game Console is a portable gaming device designed to provide a nostalgic gaming experience with modern convenience. Featuring an open-source system, a 3.5-inch IPS screen, and a large game library, it offers extensive entertainment for users on the go. This manual provides essential information for setting up, operating, and maintaining your device.



Image 1.1: The RG36PRO console shown with its 64GB memory card, charging cable, and user manual.

2. PACKAGE CONTENTS

Upon unboxing your RG36PRO Retro Handheld Game Console, please verify that all the following items are included:

- RG36PRO Games Console (Model: RG36 Pro-B)
- 64GB TF Card (pre-installed or included separately)
- Type-C Charging Cable
- User Manual (this document)



Image 2.1: Visual representation of the RG36PRO package contents.

3. PRODUCT FEATURES

- **Open Source System:** Provides flexibility for customization and broad game compatibility.
- **Extensive Game Library:** Supports over 30,000 classic games from various eras and platforms.
- **High-Resolution IPS Screen:** Features a 3.5-inch IPS display with 640x480 pixel resolution for clear and vibrant visuals.
- **Long Battery Life:** Equipped with a 3000mAh battery, offering approximately 6 hours of play time on a single charge.
- **Ergonomic Design:** Contoured body and responsive buttons designed for comfortable extended play sessions.
- **Portable and Lightweight:** Compact form factor makes it easy to carry for gaming on the go.
- **RGB Lighting 3D Joysticks:** Enhances the gaming experience with customizable lighting effects.

3.5 INCH IPS SCREEN

- ✓ 640×480 Pixel Resolution
- ✓ Full IPS Screen



Image 3.1: The console's 3.5-inch IPS screen, highlighting its clarity.

3000mAh LARGE CAPACITY BATTERY

3000mAh



6 Hours Play Time



3000mAh Battery



Fast Charging

Image 3.2: Information regarding the console's 3000mAh battery and its approximate 6-hour play duration.



Image 3.3: The RGB illuminated 3D joysticks, emphasizing their design and functionality.

4. DEVICE LAYOUT AND CONTROLS

Familiarize yourself with the various buttons, ports, and indicators on your RG36PRO console.

RG36PRO DESCRIPTION



Image 4.1: Front, back, and top views of the RG36PRO, labeling key components such as Power/Reset, Volume keys, TF1(OS) and TF2(GAME) card slots, FN button, Left/Right Joysticks (L3/R3), Select/Start buttons, DC port, Type-C Headphone Jack, and OTG port.

Note the R1/R2/L1/L2 shoulder buttons on the back.

4.1. Front Panel

- **D-Pad:** Directional pad for movement and menu navigation.
- **A/B/X/Y Buttons:** Standard action buttons for gameplay.
- **Left Joystick (L3):** Analog stick for precise control, press down for L3 function.
- **Right Joystick (R3):** Analog stick for precise control, press down for R3 function.
- **SELECT Button:** Used for various in-game functions or menu selections.
- **START Button:** Used to pause games, confirm selections, or start games.
- **FN Button:** Function button, typically used in combination with other buttons for system shortcuts.

4.2. Top Panel

- **Power Button:** Press and hold to power on/off the device.

- **Reset Button:** Small button to force a system reset.
- **Volume Keys (+/-):** Adjust the audio output level.
- **TF1 (OS) Slot:** MicroSD card slot for the operating system. Do not remove during operation.
- **TF2 (GAME) Slot:** MicroSD card slot for game storage.

4.3. Bottom Panel

- **DC Port:** Power input port.
- **Type-C Headphone Jack:** For connecting headphones or external audio devices.
- **OTG Port:** On-The-Go USB-C port for connecting external peripherals (e.g., USB drives, external controllers).

4.4. Back Panel

- **R1/R2/L1/L2 Buttons:** Shoulder buttons for additional in-game controls.

5. SETUP GUIDE

5.1. Initial Charge

Before first use, fully charge the RG36PRO console.

1. Connect the provided Type-C charging cable to the DC port on the bottom of the console.
2. Connect the other end of the cable to a compatible USB power adapter.
3. **Important:** For efficient charging, use a charger with an output of at least 5V/2A (10W) or higher.
4. The charging indicator light will illuminate during charging and turn off when fully charged.

RG36PRO DESCRIPTION



Image 5.1: Illustration of the Type-C charging port and the recommended charging specifications.

5.2. Inserting TF Cards

The console uses two TF (MicroSD) card slots: one for the operating system (TF1) and one for games (TF2). The 64GB TF card included typically contains pre-loaded games and the necessary OS.

1. Ensure the console is powered off.
2. Locate the TF1 (OS) and TF2 (GAME) slots on the top edge of the console.
3. Gently insert the TF cards into their respective slots until they click into place. Ensure they are inserted in the correct orientation.
4. **Caution:** Do not remove the TF1 (OS) card during operation, as this may cause system instability or data loss.

6. OPERATING INSTRUCTIONS

6.1. Powering On/Off

- **To Power On:** Press and hold the Power button on the top edge of the console for a few seconds 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" or "Shutdown". Alternatively, a quick press of the Reset button can force a restart if the system is unresponsive.

6.2. Navigating the Interface

The RG36PRO typically uses an open-source frontend for game selection.

- Use the **D-Pad** or **Joysticks** to navigate through menus and game lists.
- Press the **A button** (or designated action button) to select an option or launch a game.
- Press the **B button** (or designated back button) to go back to the previous menu.
- The **SELECT** and **START** buttons often have context-sensitive functions within the interface or games.

6.3. Playing Games

Games are typically organized by console system.

1. From the main menu, navigate to the desired game system (e.g., NES, SNES, PS1).
2. Select the system to view the list of available games.
3. Choose a game from the list and press the A button to launch it.
4. During gameplay, use the D-Pad, Joysticks, and A/B/X/Y buttons for control. Shoulder buttons (L1/L2/R1/R2) are also available.

6.4. Adding Games (ROMs)

You can add more games to your console by transferring ROM files to the TF2 (GAME) card.

1. Power off the RG36PRO console.
2. Carefully remove the TF2 (GAME) card from its slot.
3. Insert the TF2 card into a computer's MicroSD card reader.
4. Locate the appropriate system folder on the TF2 card (e.g., "nes", "snes", "psx").
5. Copy your game ROM files into the corresponding system folder. Ensure the ROM files are in compatible formats for the emulator.
6. Safely eject the TF2 card from your computer.
7. Reinsert the TF2 card into the RG36PRO console.
8. Power on the console. The new games should now appear in their respective system lists.

7. MAINTENANCE AND CARE

- **Cleaning:** Use a soft, dry cloth to clean the console's exterior. Avoid using liquid cleaners or abrasive materials.
- **Storage:** Store the console 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.
- **Avoid Drops and Impacts:** The device contains sensitive electronic components. Protect it from physical shocks.
- **Water Exposure:** This device is not waterproof. Keep it away from water and high humidity.
- **Software Updates:** Periodically check for official firmware updates from the manufacturer's website to ensure optimal performance and compatibility.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Console does not power on.	Low battery; TF1 (OS) card not inserted or corrupted.	Charge the console for at least 30 minutes. Ensure the TF1 (OS) card is properly inserted. If issues persist, try re-flashing the OS if you have advanced technical knowledge.
Games are not loading or appearing.	TF2 (GAME) card not inserted; incorrect ROM format; ROMs in wrong folder.	Ensure the TF2 (GAME) card is properly inserted. Verify that ROM files are in compatible formats and placed in the correct system folders on the TF2 card.
Screen is blank or flickering.	System error; loose screen connection (rare).	Perform a hard reset using the Reset button. If the problem persists, contact customer support.
Buttons or joysticks are unresponsive.	Software glitch; physical damage.	Restart the console. If the issue continues, inspect for physical damage. For persistent issues, contact customer support.
Console freezes during operation.	Software conflict; insufficient memory for current task.	Press the Reset button to restart the device. Ensure you are running the latest firmware.

9. SPECIFICATIONS

Feature	Detail
Model Number	RG36 Pro-B
Brand	Colourbing
Dimensions (L x W x H)	4" x 1.3" x 6.5"
Weight	12.3 ounces
Screen Size	3.5 Inches
Display Type	IPS LCD (640x480 Pixel Resolution)
Platform	Linux (Open Source System)
Controller Type	Button Control (D-Pad, A/B/X/Y, Joysticks, Shoulder Buttons)
Memory Storage Capacity	64 GB (via TF card)
Battery Capacity	3000mAh
Power Source	Battery Powered, USB Type C Charging
Material	Plastic

Feature	Detail
Hardware Interface	USB Type C (Charging, OTG), Headphone Jack

10. WARRANTY AND SUPPORT

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

Manufacturer: Colourbing

Model: RG36 Pro-B

ASIN: B0FF1DXSCP

