

Introduction

The ANBERNIC RG40XX H is a portable retro gaming console designed for an immersive gaming experience. Featuring a 4.0-inch IPS screen, Linux 64-bit system, and support for 5G WiFi, Bluetooth, HDMI, and TV output, this console allows you to enjoy a vast library of classic games. Its compact design and long-lasting battery make it ideal for gaming on the go or connecting to a larger display for a home console experience.

What's in the Box

- RG40XX H Blue Console
- 64GB TF Card (pre-installed)
- USB Charging Cable
- User Manual (this document)



Image: Contents of the RG40XX H package, showing the console, USB cable, and documentation.

Product Features

- **High-Resolution IPS Screen:** 4.0-inch 640x480 IPS full view angle screen for crisp visuals and vibrant colors.
- **Powerful Processor:** Quad-core ARM Cortex-A53 with Quad-core PowerVR SGX544MP GPU for low power consumption and high performance.
- **Ample Storage:** Comes with a 64GB TF Card, supporting users to download games in relevant 30 kinds of game formats.
- **RGB Joystick Lighting:** 16-million-color RGB joystick lighting with various effects (Constant Brightness, Breathing, Rainbow, Lampshade, Chase, Game) and customizable colors/brightness.
- **Connectivity:** Supports 5G WiFi, Bluetooth, HDMI, and TV output for versatile gaming options.
- **Compact Design:** Dimensions of 16.3cm x 7.9cm x 1.6cm, making it portable and comfortable to hold.
- **Long-lasting Battery:** Equipped with a 3200mAh Lithium Polymer battery.

4-inch custom screen

Born for games

IPS full view angle | OCA fully fit | 640*480



Image: The 4-inch custom IPS screen, highlighting its full view angle and 640x480 resolution.

Cortex-A53

H700 quad-core ARM Cortex-A53, 1.5GHz frequency

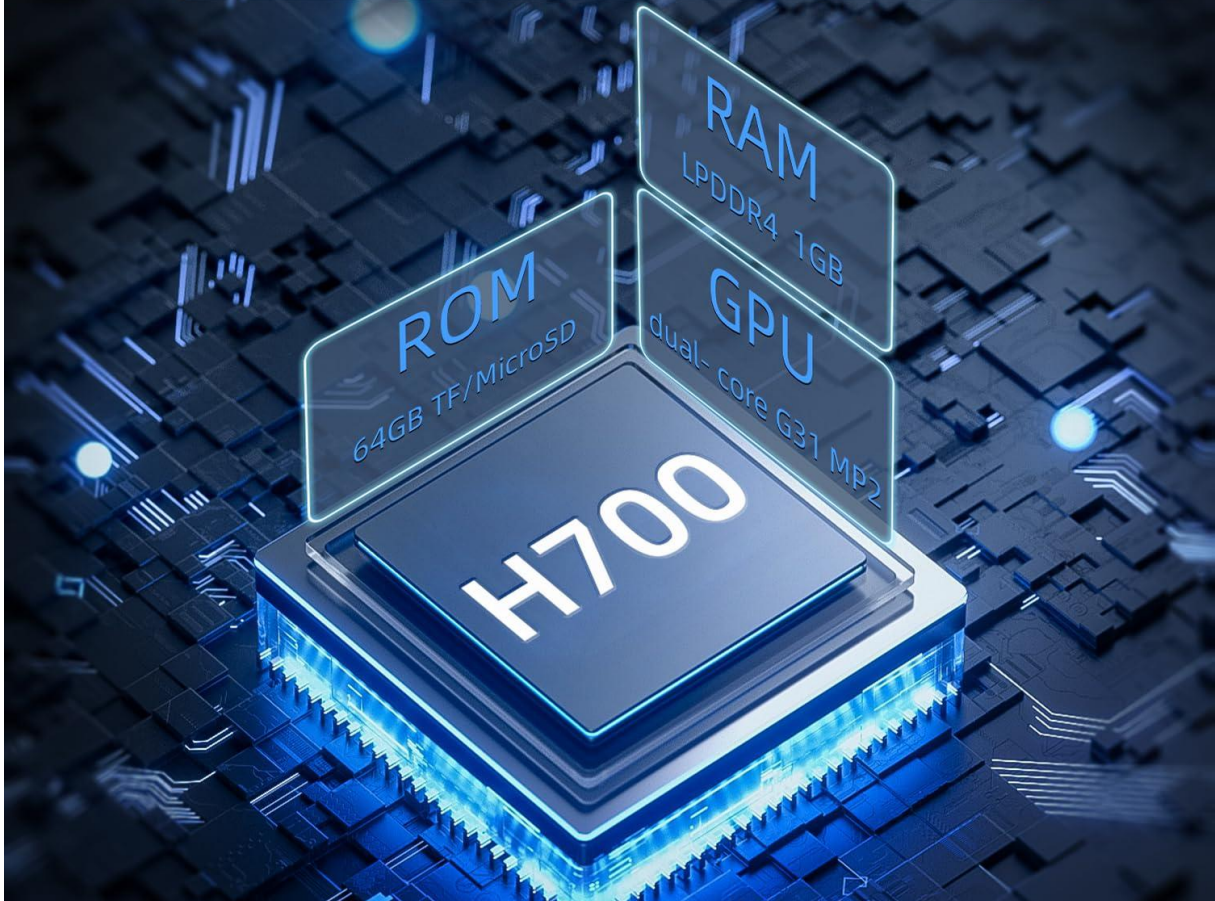


Image: Internal components diagram, showing the H700 quad-core ARM Cortex-A53 processor, LPDDR4 1GB RAM, 64GB TF/MicroSD ROM, and dual-core G31 MP2 GPU.

High-precision dual joysticks

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Flexible rotation for delicate control



Image: Close-up of the console highlighting the high-precision dual joysticks for flexible and delicate control.

16 million colors RGB Colorful light ring

6 adjustable light effects, lights can be freely turned on or off, controlled at will



Image: Illustration of the 16 million colors RGB colorful light ring feature on the joysticks, showing different light effects like Light, Marquee, Breath, Chasing, Rainbow, and Gaming.

Setup Guide

1. Initial Charge

Before first use, fully charge the RG40XX H console. Connect the provided USB charging cable to the console's charging port and a compatible USB power adapter (not included). The charging indicator light will show the charging status.

2. Insert TF Card

The console comes with a 64GB TF card pre-installed. If you need to insert or replace the TF card, gently push it into the TF card slot until it clicks into place. To remove, push it again until it springs out.

3. Power On/Off

Press and hold the Power button located on the top of the console for a few seconds to power on or off the device.

Operating Instructions

1. Navigation

Use the D-pad or left analog stick to navigate through menus. The A/B/X/Y buttons are used for selection and confirmation, typically 'A' for confirm and 'B' for back.

2. Playing Games

From the main menu, select the emulator or game category you wish to play. Browse the list of available games and press the 'A' button to launch a game. During gameplay, refer to the specific game's controls, which are typically mapped to the console's buttons and joysticks.

3. Connecting to TV (HDMI Output)

Connect an HDMI cable (not included) from the console's HDMI port to your TV or monitor. The console's display will automatically switch to the external screen. This allows for a larger, more immersive gaming experience.

4. Wi-Fi and Bluetooth Connectivity

Access the system settings to enable and configure Wi-Fi for online features or game streaming. Bluetooth can be enabled to connect compatible wireless controllers or audio devices.



Image: Two RG40XX H consoles demonstrating 5G WiFi support for online multiplayer battles.

Support Moonlight Streaming Play PC Game Freely



Image: The console connected to a monitor, illustrating its support for Moonlight Streaming to play PC games.

5. Customizing RGB Lighting

The RGB joystick lighting can be customized. Navigate to the system settings to adjust colors, brightness, and select from various lighting effects such as Constant Brightness, Breathing, Rainbow, Lampshade, Chase, and Game.

Maintenance

1. Battery Care

- To prolong battery life, avoid fully discharging the console frequently.
- Charge the console using the provided cable and a compatible 5V/1A USB charger.
- If storing the console for an extended period, charge it to about 50% and store in a cool, dry place.

RG40XX H ACCESSORIES



Image: Illustration highlighting the 3200mAh battery, providing approximately 6 hours of gameplay and supporting C2C charging.

2. Cleaning

Use a soft, dry, lint-free cloth to clean the console's screen and body. Do not use liquid cleaners or abrasive materials, as they may damage the surface.

Troubleshooting

Problem	Possible Cause / Solution
Console does not power on.	Battery may be depleted. Connect to charger and try again. Ensure the power button is held down sufficiently.
Games are not loading or crashing.	Ensure the TF card is properly inserted. The game file may be corrupted or incompatible with the emulator. Try re-downloading the game or checking for system updates.
No display on TV via HDMI.	Check HDMI cable connection. Ensure the TV input is set to the correct HDMI port. Restart the console.
Wi-Fi or Bluetooth not connecting.	Ensure Wi-Fi/Bluetooth is enabled in settings. Check network password for Wi-Fi. Bluetooth device is in pairing mode and within range.

Problem	Possible Cause / Solution
Joysticks or buttons unresponsive.	Restart the console. If the issue persists, contact customer support.

Specifications

- **Model:** RG40XX H
- **Screen:** 4.0-inch IPS, 640x480 resolution
- **Processor:** Quad-core ARM Cortex-A53, 1.5GHz
- **GPU:** Quad-core PowerVR SGX544MP
- **RAM:** LPDDR4 1GB
- **Storage:** 64GB TF Card (expandable via TF/MicroSD)
- **Operating System:** Linux 64-bit
- **Connectivity:** 5G WiFi, Bluetooth, HDMI Output
- **Battery:** 3200mAh Lithium Polymer (included)
- **Dimensions:** 6.42 x 3.11 x 0.63 inches (16.3cm x 7.9cm x 1.6cm)
- **Weight:** 12.6 ounces (357.2 grams)
- **First Available:** July 12, 2024