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› [Hyperkin RetroN 77 HD Gaming Console for Atari 2600 - Instruction Manual](#)

## Hyperkin M07280-RA

# Hyperkin RetroN 77 HD Gaming Console for Atari 2600

Instruction Manual

## INTRODUCTION

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The Hyperkin RetroN 77 is an HD gaming console designed to play original Atari 2600 cartridges. It outputs video in 720p HD and features on-board controls for aspect ratio, color mode, and save states. The console includes a premium two-button controller and is compatible with original Atari 2600 joysticks and paddles. A memory card slot is provided for homebrew testing and firmware updates.



Image: The Hyperkin RetroN 77 console in Retro Amber with its included premium controller.

## SETUP INSTRUCTIONS

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1. **Connect Power:** Connect the included 6 ft. Micro cable to the Micro Port on the back of the RetroN 77 console and plug the AC adapter into a power outlet.

## MICRO PORT



Image: The Micro Port for power connection on the console's rear.

2. **Connect to TV:** Connect one end of the included 3 ft. HD cable to the HDMI OUT port on the console and the other end to an available HDMI input on your television.
3. **Insert Game Cartridge:** Gently insert an Atari 2600 game cartridge into the cartridge slot on top of the console. Ensure it is fully seated.
4. **Connect Controller:** Plug the included Premium Controller into one of the two controller ports on the front of the console. Original Atari 2600 joysticks and paddles are also compatible with these ports.

## MEMORY CARD SLOT



The memory card stores the console's software, license text file, and other important files.

Image: The included Premium Classic Controller with a 10 ft. cable. The console also supports original Atari 2600 controllers.

5. **Power On:** Turn on your television and select the correct HDMI input. Then, power on the RetroN 77 console.

## OPERATING INSTRUCTIONS

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### Console Features

- **Aspect Ratio Button:** Located on the console, this button allows you to switch between 4:3 (original aspect ratio) and 16:9 (widescreen) display modes.

## 4:3/16:9 ASPECT RATIO BUTTON



Change aspect ratio  
at the push of a button.

**16:9** ↔ **4:3**

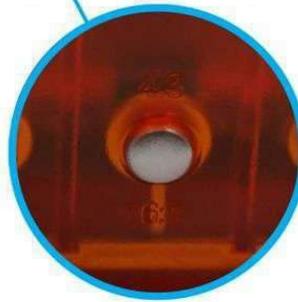


Image: The aspect ratio button, used to toggle between 16:9 and 4:3 display modes.

- **Color / B&W Button:** This button toggles the video output between color and black & white modes, replicating the original Atari 2600 experience.

## PREMIUM CLASSIC CONTROLLER



Image: The Color/B&W button, used to switch between color and monochrome video output.

- **Save States:** The console supports on-board save states, allowing you to save your game progress at any point. Refer to the on-screen menu for save state management.
- **Memory Card Slot:** An included memory card slot (and memory card) is provided for homebrew testing and firmware updates. This allows for expanded functionality and compatibility.

## COLOR / B&W BUTTON



Toggle between color and  
black & white video output



Image: The memory card slot, used for console software, license files, and firmware updates.

- **FRY Button:** This button allows users to experience unique in-game glitching effects, potentially unlocking hidden aspects of games. Use with discretion.

## FRY BUTTON



The FRY button allows you to experience bizarre in-game glitching effects and might enable you to unlock parts of the game that you weren't able to access before.

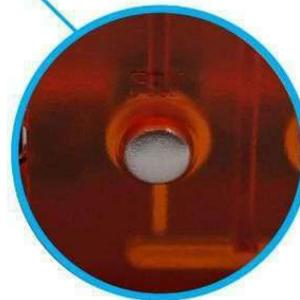


Image: The FRY button, designed to create in-game glitching effects.

## MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the exterior of the console and controller. Avoid using liquid cleaners or abrasive materials.
- **Cartridge Slot:** Periodically inspect the cartridge slot for dust or debris. Use compressed air if necessary to clear any obstructions.
- **Storage:** Store the console and accessories in a cool, dry place away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

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- **Game Not Loading:**
  - Ensure the game cartridge is clean and properly inserted into the slot. Dirty cartridge contacts are a common cause of loading issues.
  - Some older cartridges may have physical variations that affect insertion.
  - Consider updating the console's firmware. Community-developed firmware versions are available online that may improve compatibility with certain games or allow loading ROMs from the SD card.

- **Controller Lag:** While the included controller is designed for responsiveness, some users may experience a slight adjustment period. Ensure the controller cable is securely connected.
- **Specific Game Compatibility:** Due to the nature of emulation and variations in original Atari 2600 cartridge designs (e.g., special chips), some games may not load directly from the cartridge. In such cases, loading the game's ROM file via the memory card slot with updated firmware may resolve the issue.
- **No Video/Audio Output:**
  - Verify all cables (power, HDMI) are securely connected.
  - Ensure your TV is set to the correct HDMI input.
  - Try a different HDMI cable or port on your TV.

## SPECIFICATIONS

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|                             |   |
|-----------------------------|---|
| <b>Model Number</b>         | M07280-RA   |
| <b>Manufacturer</b>         | Hyperkin  |
| <b>Product Dimensions</b>   | 8 x 1 x 7 inches  |
| <b>Item Weight</b>          | 1.92 pounds   |
| <b>Video Output</b>         | 720p HD   |
| <b>Aspect Ratio Options</b> | 4:3 / 16:9  |
| <b>Controller Ports</b>     | 2 (compatible with original Atari 2600 joysticks/paddles)   |
| <b>Included Cables</b>      | 3 ft. HD cable, 6 ft. Micro cable with AC adapter   |
| <b>Additional Features</b>  | On-board mode select, Color/B&W toggle, Save states, Memory card slot for homebrew/firmware updates, FRY button |

## WARRANTY INFORMATION

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For detailed warranty information regarding your Hyperkin RetroN 77 console, please refer to the documentation included with your product or visit the official Hyperkin website. Warranty terms and conditions may vary by region and retailer.

## CUSTOMER SUPPORT

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If you encounter any issues or have questions not covered in this manual, please visit the official Hyperkin support website for FAQs, troubleshooting guides, and contact information. You can typically find support resources at [www.hyperkin.com/support](http://www.hyperkin.com/support).