

[Manuals.plus](#) /

› [Hyperkin](#) /

› Hyperkin RetroN 77 HD Gaming Console for 2600 Instruction Manual

Hyperkin M07280

Hyperkin RetroN 77 HD Gaming Console for 2600 Instruction Manual

Model: M07280

1. INTRODUCTION

The Hyperkin RetroN 77 is a high-definition gaming console designed to play original Atari 2600 game cartridges. It provides an enhanced gaming experience with 720p HD output, while maintaining compatibility with original 2600 joysticks and paddle controllers. This manual provides essential information for setting up, operating, and maintaining your RetroN 77 console.

Key features include:

- Supports original Atari 2600 cartridges, joysticks, and paddles.
- Outputs video in 720p HD with selectable 4:3 or 16:9 aspect ratio.
- On-board controls for mode selection, color/black & white switching, and save states.
- Includes a memory card slot and card for homebrew testing and firmware updates.
- Two controller ports, one premium controller included with a 10-foot cable.

2. SETUP

2.1 Package Contents

Ensure all items are present:

- Hyperkin RetroN 77 Console
- Premium Joystick Controller (10-foot cable)
- HDMI Cable (3-foot)
- Micro USB Power Cable (6-foot)
- Memory Card (pre-installed or included separately)

Note: A 5-volt, 1-amp USB wall adapter is required for power and may not be included.

2.2 Connecting the Console

1. **Connect HDMI Cable:** Insert one end of the included HDMI cable into the HDMI OUT port on the RetroN 77 console

and the other end into an available HDMI input on your television or monitor.

2. **Connect Power:** Plug the micro USB power cable into the console's power input port. Connect the USB-A end of the cable to a 5V/1A USB wall adapter (not always included) and then plug the adapter into a power outlet.
3. **Connect Controller(s):** Plug the included premium joystick controller into either the PLAYER 1 or PLAYER 2 port on the front of the console. If using original Atari 2600 joysticks or paddle controllers, connect them to the respective ports.



Image 1: Hyperkin RetroN 77 console and included joystick. This image shows the console's front panel with controller ports, save/load buttons, and skill switches, alongside the classic-style joystick.



Image 2: Hyperkin RetroN 77 console from a slightly different angle, highlighting the cartridge slot at the top.

3. OPERATING INSTRUCTIONS

3.1 Powering On and Off

After connecting all cables, turn on your television and select the correct HDMI input. The console will power on automatically when connected to power. To power off, simply disconnect the power cable.

3.2 Inserting and Playing Cartridges

1. Gently insert an Atari 2600 game cartridge into the cartridge slot on top of the console. Ensure it is fully seated.
2. The console should detect the cartridge and display the game on your screen.
3. Use the connected joystick or paddle controller to play.

Note: Not all original Atari 2600 cartridges may function correctly with the RetroN 77. Compatibility can vary.

3.3 On-Board Controls

The RetroN 77 console features several buttons and switches on its front panel:

- **SAVE/LOAD Buttons:** These buttons allow you to save your game progress (SAVE) and load previously saved states (LOAD).
- **Aspect Ratio Button:** Toggle between 4:3 (original aspect ratio) and 16:9 (widescreen) display modes.
- **Color/B&W Switch:** Switch between color and black & white video output, replicating the original console's feature.
- **Skill Switches (Player 1/Player 2):** These replicate the original Atari 2600's difficulty switches, often labeled "Skill" or "Difficulty" on original consoles.

3.4 Firmware Updates

The console includes a memory card slot and a memory card. This is used for homebrew testing and firmware updates. Firmware updates can improve compatibility and add new features. Refer to the official Hyperkin website or community forums for instructions on how to update the firmware using the memory card.

4. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the console's exterior. Do not use liquid cleaners or abrasive materials.
- **Cartridge Care:** Keep game cartridges clean and free of dust. Store them in a dry, cool place.
- **Storage:** When not in use, store the console in a safe place away from direct sunlight, extreme temperatures, and moisture.

5. TROUBLESHOOTING

- **No Video/Audio Output:**
 - Ensure the HDMI cable is securely connected to both the console and your TV.
 - Verify your TV is set to the correct HDMI input.
 - Check that the power cable is properly connected and the USB wall adapter is functioning.
- **Game Not Loading/Playing:**
 - Ensure the game cartridge is clean and fully inserted into the slot.
 - Some original Atari 2600 cartridges may not be fully compatible. Try a different cartridge if available.
- **Controller Issues:**
 - Ensure the controller is securely plugged into the correct port (PLAYER 1 or PLAYER 2).
 - If the joystick feels loose, it may require tightening. Refer to Hyperkin support for guidance if needed.
- **Firmware Update Problems:**
 - If the console fails to boot after a firmware update, the memory card may be corrupted. Follow official Hyperkin instructions for re-flashing the memory card.

6. SPECIFICATIONS

Model Number	M07280
Output Resolution	720p HD
Aspect Ratio	4:3 / 16:9 (selectable)
Controller Ports	2 (compatible with original Atari 2600 joysticks/paddles)
Power Input	Micro USB, 5V/1A
Dimensions	30.5 x 8.9 x 16.5 cm (12 x 3.5 x 6.5 inches)
Weight	1.13 kg (2.49 lbs)
Language	English
Release Date	November 5, 2018

7. WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance with your Hyperkin RetroN 77 console, please visit the official Hyperkin website or contact their customer support directly. Keep your proof of purchase for warranty claims.
Official Hyperkin Website: www.hyperkin.com

