Hyperkin M01138-BK

Hyperkin RetroN GX HD Console User Manual

Model: M01138-BK

1. INTRODUCTION

The Hyperkin RetroN GX is a high-definition gaming console designed to play original TurboGrafx-16 HuCard/Turbo chip and PC Engine cartridges. It offers a modern gaming experience with classic titles, featuring 720p HD output, multiple aspect ratio options, and various video enhancements. This manual provides essential information for the proper setup, operation, and maintenance of your RetroN GX console.

Image 1.1: The Hyperkin RetroN GX console with its wired controller and game cartridges.

2. PACKAGE CONTENTS

Please verify that all items are present in your RetroN GX package:

- Hyperkin RetroN GX HD Console
- Wired Controller
- HDMI Cable
- USB-C Power Cable
- User Manual (this document)

3. PRODUCT OVERVIEW

Familiarize yourself with the console's components and ports.

3.1 Console Front and Top

Image 3.1: Top view of the RetroN GX console, highlighting the cartridge slot and controller ports.

- **Cartridge Slot:** Insert TurboGrafx-16 HuCard/Turbo chip and PC Engine cartridges here.
- **Controller Ports:** Two ports for connecting compatible controllers.

- **USB Ports:** Two USB ports for additional controller options or accessories.

3.2 Console Rear Ports

Image 3.2: Rear view of the RetroN GX console, displaying the USB-C power input, HDMI output, and system switches.

- **USB-C Power Input:** Connect the provided USB-C power cable here.
- **HDMI Output:** Connect to your TV or monitor for video and audio.
- **System Switches:** For various system settings (refer to setup section).

3.3 Wired Controller

Image 3.3: Close-up of the RetroN GX wired controller, showing its buttons and D-pad.

The included wired controller features a D-pad, action buttons, SELECT, RUN buttons, and auto-fire switches for an authentic retro gaming experience.

4. SETUP

Follow these steps to connect your RetroN GX console:

1. **Connect HDMI:** Insert one end of the HDMI cable into the HDMI OUT port on the back of the RetroN GX console and the other end into an available HDMI input on your television or monitor.

2. **Connect Power:** Plug the USB-C power cable into the USB-C port on the back of the console. Connect the other end to a compatible USB power adapter (not included) or a powered USB port.

3. **Connect Controller:** Plug the wired controller into one of the controller ports on the front of the console.

4. **Insert Game Cartridge:** Gently insert your TurboGrafx-16 or PC Engine game cartridge into the cartridge slot on top of the console. Ensure it is fully seated.

5. **Power On:** Turn on your television and select the correct HDMI input. The RetroN GX console will power on

automatically when connected to power.

Image 4.1: The RetroN GX console and controller connected to a television, ready for gameplay.

5. OPERATING INSTRUCTIONS

5.1 Starting a Game

After connecting the console and inserting a game cartridge, the system will boot up. The game should load automatically or present a menu to select the game.

5.2 In-Game Menu (Modern User Interface)

During gameplay, you can access the in-game menu to utilize various features. The specific button combination to access this menu may vary, but typically involves pressing a designated button on the controller (e.g., SELECT + RUN simultaneously, or a dedicated menu button if available on alternative controllers).

Image 5.1: The RetroN GX modern user interface, showing options like Rewind, Quicksave, Quickload, Save States, and Video

The menu allows you to:

- **Rewind:** Revert gameplay up to 12 seconds.
- **Quicksave/Quickload:** Instantly save and load your game progress.
- **Save States:** Create multiple save points at any time.
- **Reset Game:** Restart the current game.
- **Video Options:** Adjust display settings and enhancements.
- **Scaling:** Switch between 4:3 and 16:9 aspect ratios.
- **Language:** Change system language.

5.3 Removing Cartridges

To remove a game cartridge, gently pull it straight up from the cartridge slot. Do not force the cartridge or attempt to remove it while the system is actively saving or loading.

6. GAMEPLAY FEATURES

The RetroN GX enhances your retro gaming experience with several modern features:

- **HD Gameplay:** Enjoy your classic games in crisp 720p resolution.
- **Aspect Ratio Options:** Switch between original 4:3 and widescreen 16:9 aspect ratios.
- **Rewind Function:** Instantly rewind up to 12 seconds of gameplay to correct mistakes or retry challenging sections.
- **Quick Save/Load:** Pause and save your game at any moment, then jump back into the action with ease.
- **Save States:** Create and manage multiple save states for different points in your games.
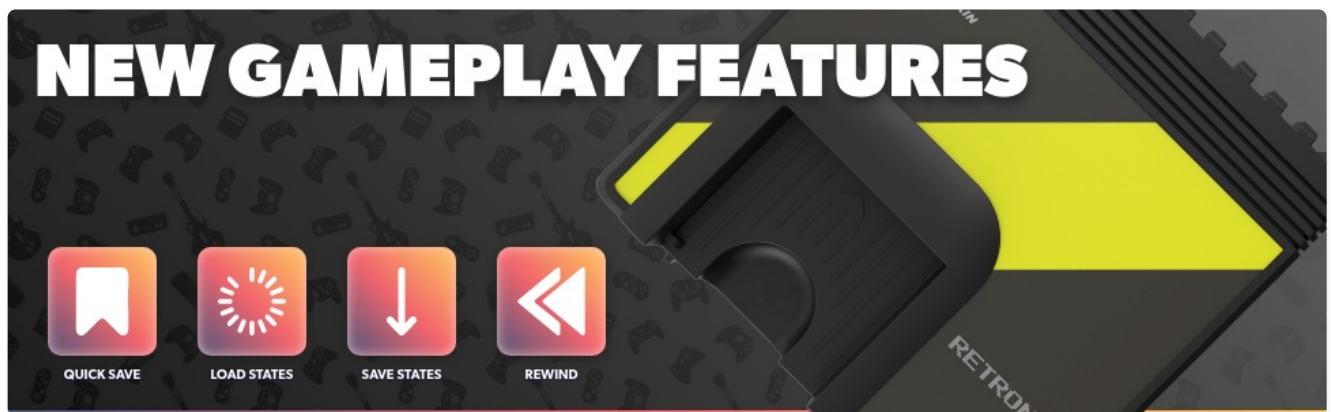

Image 6.1: Visual representation of the RetroN GX's gameplay features including Quick Save, Load States, Save States, and Rewind.

7. VIDEO ENHANCEMENTS

Customize your visual experience through the in-game menu's Video Options:

- **Scanlines:** Recreate the classic CRT monitor look.
- **Black & White:** Apply a vintage monochrome filter.
- **Smooth:** Apply a smoothing filter for a more modern, less pixelated appearance.

8. CONTROLLER COMPATIBILITY

The RetroN GX supports a variety of controllers:

- **Original TurboGrafx-16 Controllers:** Connect your original controllers to the console's dedicated ports.
- **Hyperkin Specialist Controllers:** Compatible Hyperkin brand controllers.
- **Pixel Art Controllers:** Other third-party controllers designed for retro systems may be compatible via the USB ports.

Image 8.1: The RetroN GX supports various controllers, including original TurboGrafx-16, Hyperkin Specialist, and Pixel Art controllers.

9. MAINTENANCE

To ensure the longevity and optimal performance of your RetroN GX console:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the console. Avoid liquid cleaners. For cartridge slots, use specialized cleaning kits designed for retro consoles.
- **Storage:** Store the console in a cool, dry place away from direct sunlight and extreme temperatures.
- **Firmware Updates:** Periodically check the official Hyperkin website for firmware updates. Updates can improve compatibility and add new features. Follow the instructions provided by Hyperkin carefully when performing updates.

10. TROUBLESHOOTING

If you encounter issues with your RetroN GX, refer to the following common problems and solutions:

Problem	Possible Solution
No video or audio output.	- Ensure HDMI cable is securely connected to both the console and the TV. - Verify the TV is set to the correct HDMI input. - Check that the USB-C power cable is properly connected and the console is receiving power.

Problem	Possible Solution
Game does not load or freezes.	- Ensure the game cartridge is clean and fully seated in the slot. - Try removing and re-inserting the cartridge. - Clean the cartridge contacts with a specialized cleaning solution and cotton swab. - Some games may require specific system settings; check online resources or the game's original manual.
Controller not responding.	- Ensure the controller is securely plugged into the console. - Test with another compatible controller if available. - If using a USB controller, try a different USB port.
System hangs on splash screen or after update.	- This may indicate a firmware issue. Visit the Hyperkin support website for instructions on how to reflash or update the firmware. - Ensure power is not interrupted during firmware updates.

11. SPECIFICATIONS

- **Model Number:** M01138-BK
- **Dimensions:** 8.82 x 6.1 x 4.25 inches
- **Weight:** 2.07 pounds
- **Video Output:** 720p HD via HDMI
- **Compatibility:** Original TurboGrafx-16 HuCard/Turbo chip and PC Engine cartridges
- **Power Input:** USB-C

12. WARRANTY AND SUPPORT

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