FXPAK PRO MAX User Manual

1. Product Overview

1.1 Product Name

FXPAK PRO MAX

1.2 Model Number

MAX2.0

1.3 Product Usage

Flash cartridge for Super Nintendo Entertainment System (Super Famicom). Compatible with NTSC (North America, Japan) and PAL (Europe) region unmodified consoles.

1.4 Product Features

- MicroSD card support (tested up to 200GB; only FAT32 supported, exFAT not supported)
- Fast ROM loading speed (~9MB/s)
- Fast menu navigation
- Hard gold-plated cartridge contacts
- Auto directory sorting, no extra FAT sorting tools needed
- High-resolution menu (512×224) for long file names
- Real Time Clock (RTC)
- Supports ROM up to 128Mbit (actual 96Mbit implemented)
- Automatic near-time SRAM saving to MicroSD
- Enhancement chip support (including DSP-1/1b/2/3/4, Cx4, S-DD1, SA-1, SuperFX, OBC1)

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- MSU-1 support with all enhancement chips, featuring volume boost and interpolation filter
- SuperCIC key (SNES CIC clone)
- Works on unmodified consoles of all regions
- 50/60Hz software switching (only for SuperCIC enhanced consoles)
- Auto region patching
- High-quality 4-layer PCB
- Incompatibility list: https://sd2snes.de/blog/compatibility

2. Instructions for Use

2.1 Operation Steps

2.1.1 Install CR2032 Lithium Battery

1. Unscrew the outer casing screws.
2. Install a CR2032 battery (not included).

Caution: Ensure the side marked with the CR2032 lithium battery symbol faces upward.

The battery compartment features four contacts. During installation, the two longer contacts on the left should press beneath the battery, while the two shorter contacts on the right must hook onto the lithium battery.

2.1.2 Prepare MicroSD Card

- Recommended: Class 10 high-speed branded card, 16GB–128GB
- Format to FAT32 with professional tools (e.g., guiformatfat32)
- exFAT is NOT supported

2.1.3 Configure System Files

1. Download firmware (latest version: 1.11.0): https://sd2snes.de/blog/downloads; https://stoneagegamer.com/fxpak-sd2snes-downloads.html#fw

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2. Extract the firmware zip file to the SD card root directory, ensuring the "sd2snes" system folder is preserved.

3. Download Enhancement Chip Files (if required): https://stoneagegamer.com/fxpak-sd2snes-downloads.html#chips

4. If a supported chip is not listed, its functions are built into the firmware (e.g., Cx4, S-DD1).

5. The “sd2snes” folder is a system directory. Do NOT place ROMs here (they will not be displayed).

6. For BS games: Place headerless BS-X BIOS (renamed to bsxbios.bin) into the “sd2snes” folder.

7. Firmware version must match menu version; otherwise, the menu may fail to load.

2.1.4 Change Menu File

1. Enter the “sd2snes” folder on the SD card.

2. Rename m3nu.bin to m3nu.bak (as a backup).

3. Download the desired menu file (version 1.11.0 recommended) to the “sd2snes” folder.

4. If the update fails: Delete the faulty m3nu.bin and rename m3nu.bak back to m3nu.bin to restore the original menu.

2.1.5 Quick Start Guide

Tutorial video: https://www.youtube.com/watch?v=dazsDOGkzNY

2.2 Notes & Compatibility

• The console must be in good condition: clean slot, healthy capacitors, intact MSU circuit, qualified power supply, and unmodified motherboard. The console's health directly affects the performance of the FXPAK PRO MAX.

• Some old consoles may not work properly even after repair, depending on their internal component wear.

• Highly compatible models: CPU-01/02, GPM-01/02, RGB-01/02, APU-01.

• SFC/SNES Jr. & 1-chip models have slightly lower compatibility than 2-chip models, which is mainly related to the console's hardware condition.

• Clone consoles can only run some games, and their compatibility is significantly lower than

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original consoles. Test at your own risk to avoid damaging the cartridge or console.

- Power requirement: 9V, 1.5–2A, center-negative polarity.
- The original Nintendo 9V (actual 11V) power supply is unstable; long-term use may damage the console. It is recommended to use a standard third-party power adapter.

3. Maintenance & Care

- Use a stable power supply: 9V, 1.5–2A.
- Turn off the console before inserting/removing the cartridge.
- Do NOT power off while the “WRITE” indicator is lit (to avoid SRAM data loss or corruption).
- Do NOT store in extreme temperatures (above 60°C or below -10°C) or humid environments.
- Do NOT blow on the cartridge or submerge it in water.
- Do NOT touch the gold-plated contacts with fingers (to prevent oxidation).
- Do NOT clean with benzene, thinner, alcohol, or other corrosive solvents.
- Keep the cartridge dust-proof and dry, and focus on protecting the gold-plated pins.

4. FAQ

Q: What is the difference between the SD2SNES and the FXPAK PRO MAX?

A:

The FXPAK PRO MAX outperforms the SD2SNES in both compatibility and stability.

Compatibility

Console compatibility: The FXPAK PRO MAX works far more reliably with aging or poorly conditioned consoles.

Game compatibility: While the SD2SNES handles most basic games, the FXPAK PRO MAX supports more advanced ROMs.

For instance, the FXPAK PRO MAX can run MSU+SA-1 enhanced chip ROMs (such as Jikkyou

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Oshaberi Parodius (Japan) (MSU1) [Hack by PepilloPev v1.6]) with full audio.

By contrast, this ROM has no background music when used with the SD2SNES.

Power & Stability

The FXPAK PRO MAX features lower power consumption, resulting in more consistent and stable performance.

Q:Does FXPAK PRO MAX support all Enhancement chip games?

A:Of course. It's the best flash cartridge you'll find on AliExpress for yourSuper Nintendo (Super Famicom) console.

If you have an FXPAK PRO from Ukraine, you'll find their circuit boards are identical. However, other FXPAK PRO units sold on AliExpress feature partial circuit modifications and reduced manufacturing processes.

Q: Menu garbled, screen flicker, black screen, or games fail to run?

A:

1. Check the power supply: Ensure it meets 9V,1.5–2A and has the correct polarity.

2. Inspect the console: Replace aging capacitors, clean the card slot, and check the motherboard and PPU (Picture Processing Unit).

3. Note: If your console's PPU (Picture Processing Unit) is malfunctioning, it may cause a black screen during the loading of certain games while the audio continues to play — for instance, in the Street Fighter series. The PPU is responsible for processing background graphics.

4. Test the cartridge on anotherconsole.

5. Verify SD card files and structure: Do not put ROMs in the "sd2snes" system folder, and ensure firmware and menu versions match.

6. Disable in-game hooks: Main menu (X) → Configuration → In-game settings → Turn off "In-game hooks".

7. Clean the gold-plated pins of the cartridge with a clean, lint-free cloth (do not use corrosive cleaners) to avoid poor contact caused by dust or oxidation.

8. Run the cartridge's diagnostic file (downloadable from the official firmware download page) and export the diagnostic report, which helps locate potential hardware or software issues.

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9. When you have a problem, please systematically troubleshoot each item one by one, or contact me immediately.

10. If you placed an order through an AliExpress custody store and cannot reach me, please contact me through another store(Search FXPAK MAX on AliExpress).

Q:Why doesn't the package include a CR2032 lithium battery?

A:If the package contains batteries, players in certain countries/regions will be unable to order this item due to shipping regulations.

Therefore, all packages will not include CR2032 lithium batteries. I have tested the cartridge and removed the battery beforehand.

Q:What is the function of the CR2032 lithium battery, and how do you install it?

This battery is used to retain and set the date and time.

Installation Steps

1. Check Polarity

Ensure the side marked with the CR2032 lithium battery symbol faces upward.

2. Install the Battery

The battery compartment has four contacts pins.

During installation:

The two longer left contacts pins should be positioned under the battery.

The two shorter right contacts pins must hook over the battery.

3. Verify Correct Installation

If all four contacts pins are pressed under the battery, the installation is incorrect.

Q:Why can my console run actual original carts and normal flash carts (like the Super Everdrive) but not FXPAK PRO MAX?

A:The FXPAK PRO MAX differs from actual original carts and normal flash carts (without an enhancement chip) in its hardware design, thus imposing stricter requirements on the console's health.

Therefore, when you actually encounter this issue, don't hastily assume that the FXKAK PRO MAX is

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malfunctioning.Simply test with another console.

5. Safety Warnings

⚠ **WARNING**

- ⚠ This product contains small parts (battery, screws). Keep away from children under 3 years old to avoid choking hazards.
- ⚠ Do not use damaged or non-standard power adapters; this may cause fire, electric shock, or damage to the product/console.
- ⚠ Do not disassemble, repair, or modify the product by yourself; this may cause short circuits, damage, or personal injury.
- ⚠ Do not use the product near strong electromagnetic fields (e.g., microwave ovens, routers), which may cause malfunctions.
- ⚠ Battery (CR2032): Risk of explosion if replaced incorrectly. Use only the same type of battery.
- ⚠ Do not reverse the battery polarity; this may damage the circuit board.

6. Manufacturer & EU Authorized Representative

6.1 Manufacturer Information

- Manufacturer Name: Guangzhou Sanxiu Technology Co., Ltd
- Address: CN, Room,416, Foor 4,288 Zhongshan Avenue Central, Tianhe District,Guangzhou City, Guangdong Province A21, 440106

6.2 EU Representative Information

- EU Representative Name: YQY INTERNATIONAL CONSULTING
- Address: 79 Rue de Patay,75013,Paris,France
- Contact Phone: +33 0748578459

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- Email: services@yqyic.fr

7. Compliance Information

This product complies with **CE** (LVD 2014/35/EU, EMC 2014/30/EU) and **RoHS 2.0 (2011/65/EU)** directives.

This product complies with EU WEEE Directive (2012/19/EU). Do not dispose of it as household waste; recycle it through official channels.



8. After-Sale & Support

- AliExpress Store: Gamophile
- Technical Support Emai: Gamania331@gmail.com
- Working Hours: 9:00–18:00 (GMT+8), 7 days a week

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