

64 Cart

User Manual

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General Use Information

- After saving your game **you need to press the reset button** on the N64 console to write the save data to the cartridge. If you do not reset, your progress will not be saved.
- Do not connect the USB cable to the cartridge while the cartridge is plugged into the console.
- If you are using your own dumped ROMs, you may need to run patches to bypass the anti-piracy checks.
- Please use N64 ROMs in .z64 format.
- EEPROM (memory on the cartridge) and SRAM (controller pak) save modes are supported.

Loading N64 ROMs

1. Download [ROMFS.Manager-win-x64.zip](#) and extract it.

pdaxrom / N64cart

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Releases Tags

Find a release

Release list

Release 1.13

Release 1.12

Release 1.11

Release 1.10

Release 1.13 Latest

Compare

pdaxrom released this Jun 7 1.13 27d810a

Features:

- Add Qt-based ROMFS Manager GUI for browsing, uploading, downloading, deleting, renaming, and creating folders over USB or remote proxy.
- Add ROMFS Manager build/deploy support for macOS, Linux, and Windows, with vcpkg/libusb integration and portable deployment helpers.
- Add ROMFS Manager localization: English, Russian, Armenian, Persian, German, Spanish, and Brazilian Portuguese.
- Fix ROMFS Manager transport and file-transfer error handling.
- Fix FlashRAM emulation mapping.
- Improve rom manager menu file operations and save handling.

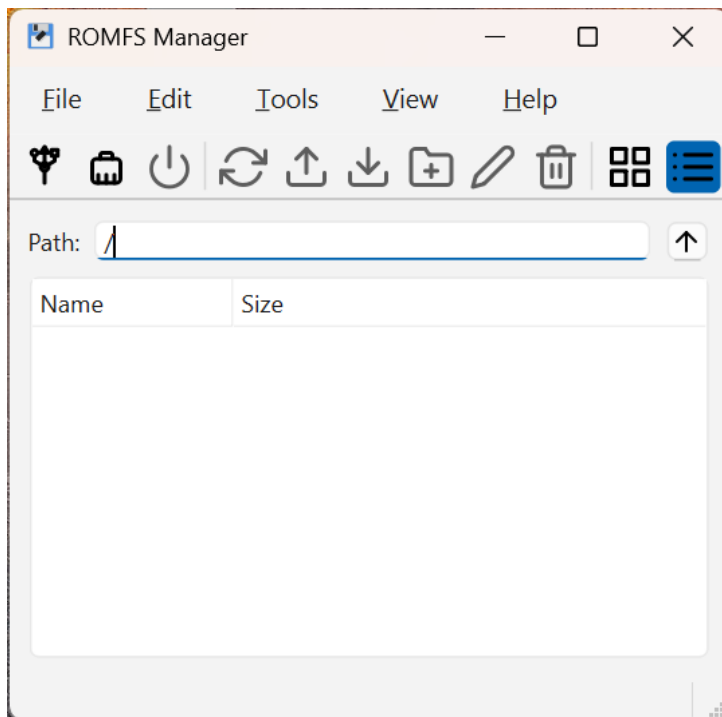
Installation

Upload the required firmware (depends on the cartridge hardware version, ntsc/pal console) to your cartridge. Using the usb utility, upload the rom manager for your cartridge. **Attention!** The name of the uploaded rom manager must be n64cart-manager.z64, otherwise the cartridge will not start on the console.

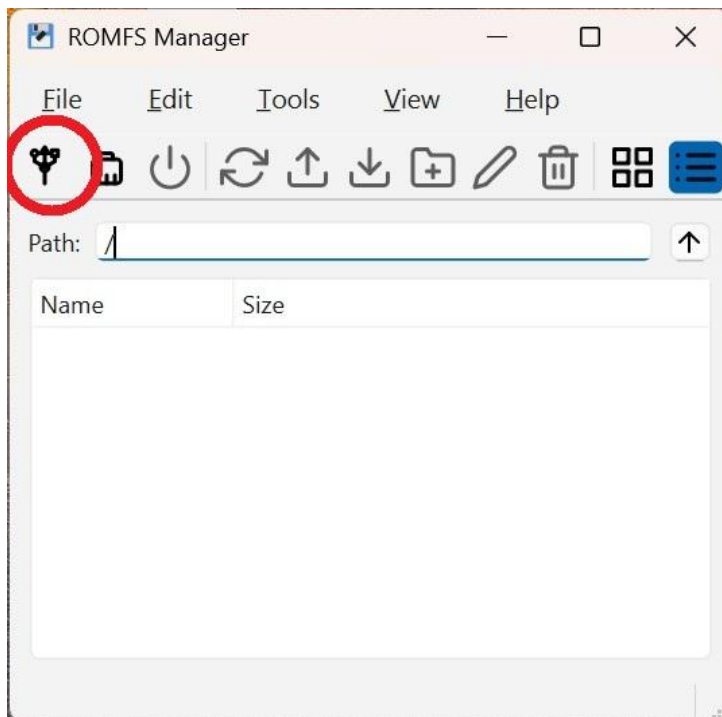
Assets 21

n64cart-manager-pico-1.13.z64	sha256:ae75d3997c39078c3...	320 KB	Jun 7
n64cart-manager-pico-lite-1.13.z64	sha256:5747ce4eb6be564d8...	320 KB	Jun 7
n64cart-manager-pico-lite-nofiledel-1.13.z64	sha256:b79e9056b5f4ac3da...	320 KB	Jun 7
n64cart-manager-pico-nofiledel-1.13.z64	sha256:61004516ea9a84f84...	320 KB	Jun 7
n64cart-manager-v2-1.13.z64	sha256:b25134b3089236b42...	320 KB	Jun 7
n64cart-manager-v2-nofiledel-1.13.z64	sha256:dfb0d8eeb4d8e4eff...	320 KB	Jun 7
n64cart-manager-v3-1.13.z64	sha256:b25134b3089236b42...	320 KB	Jun 7
n64cart-manager-v3-nofiledel-1.13.z64	sha256:dfb0d8eeb4d8e4eff...	320 KB	Jun 7
n64cart-pico-1.13-ntsc.uf2	sha256:d50b4f86d94a89e02...	73.5 KB	Jun 7
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n64cart-v2-1.13-pal.uf2	sha256:8364c2a727ae8676e...	77 KB	Jun 7
n64cart-v3-1.13-ntsc.uf2	sha256:087386ecb7347e0bd...	78 KB	Jun 7
n64cart-v3-1.13-pal.uf2	sha256:ee49f50b34cfb02c...	78 KB	Jun 7
ROMFS.Manager-win-x64.zip	sha256:ecf74a563cde53a8...	26.2 MB	Jun 7
ROMFS.Manager_macos_arm64.dmg	sha256:5a6c8e1cab0bb5139...	36.9 MB	Jun 7
usb-romfs-1.13-win32.zip	sha256:9f204099c8d87e0a...	618 KB	Jun 7

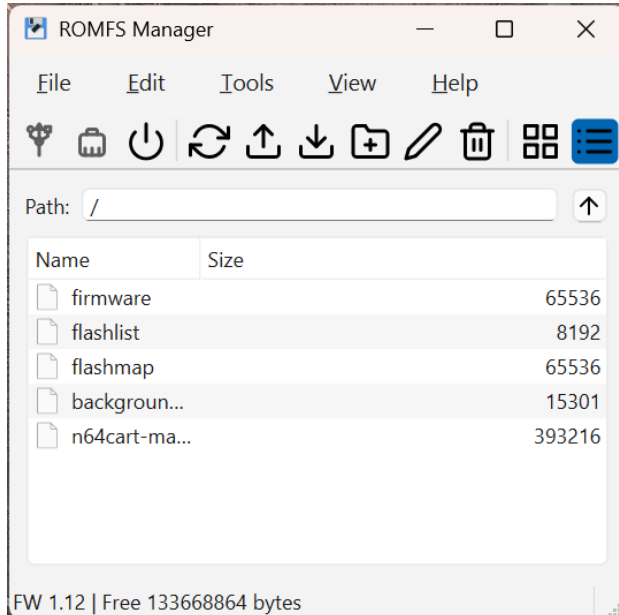
2. Run ROMFS Manager.



3. Connect your N64 Cart to your computer with a USB-C cable (the cable must support data transfer).
4. Click on the Connect USB button.



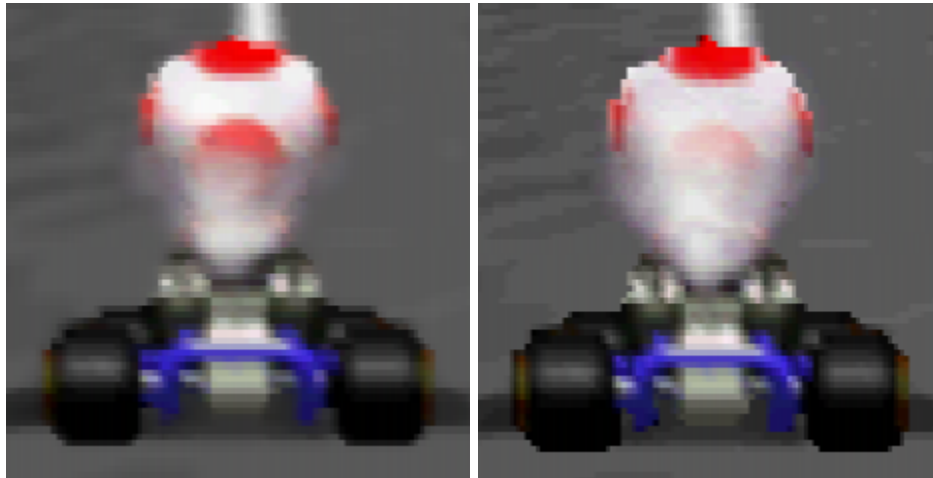
5. You can now click and drag your .z64 ROM file into the ROMFS Manager window to load it onto the cartridge. The transfer process is slow, so please be patient. Repeat for additional ROMs.



6. Once you have your ROMs loaded, you can disconnect the cartridge from the computer. Place the cartridge in your Nintendo 64 and enjoy playing your games!

Removing anti-aliasing from z64 ROMs

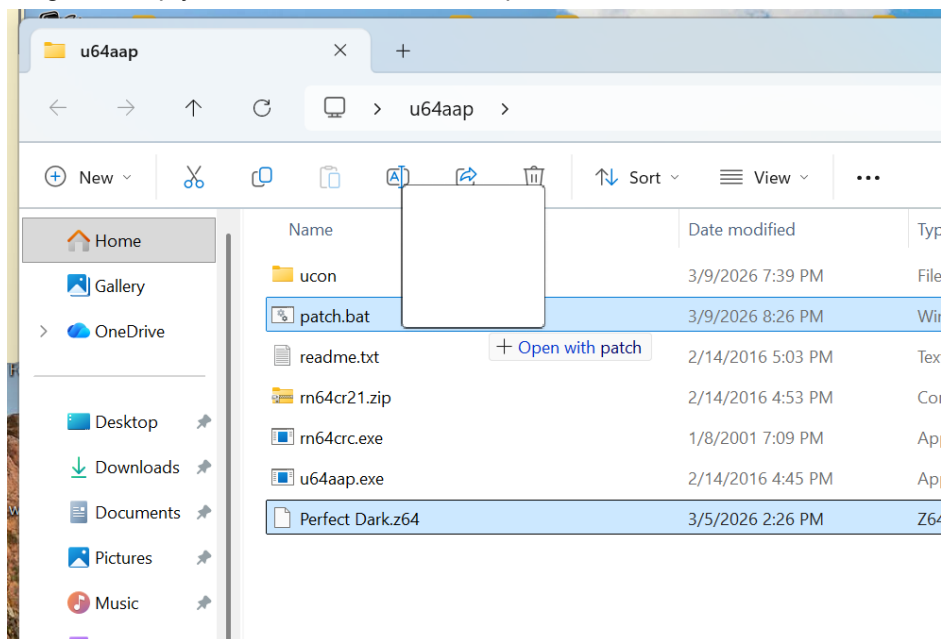
This is an optional step that removes the anti-aliasing (blurring) effect from a N64 ROM. This step gives you a sharper, more pixelated gaming experience. The effect is shown below. This needs to be done before loading the ROMs onto the N64 cart.



Original

Anti-aliasing removed

1. Download [u64aap](#) and extract it.
2. Copy your z64 ROM file into the u64aap folder.
3. Drag and drop your z64 ROM file onto the patch batch file.



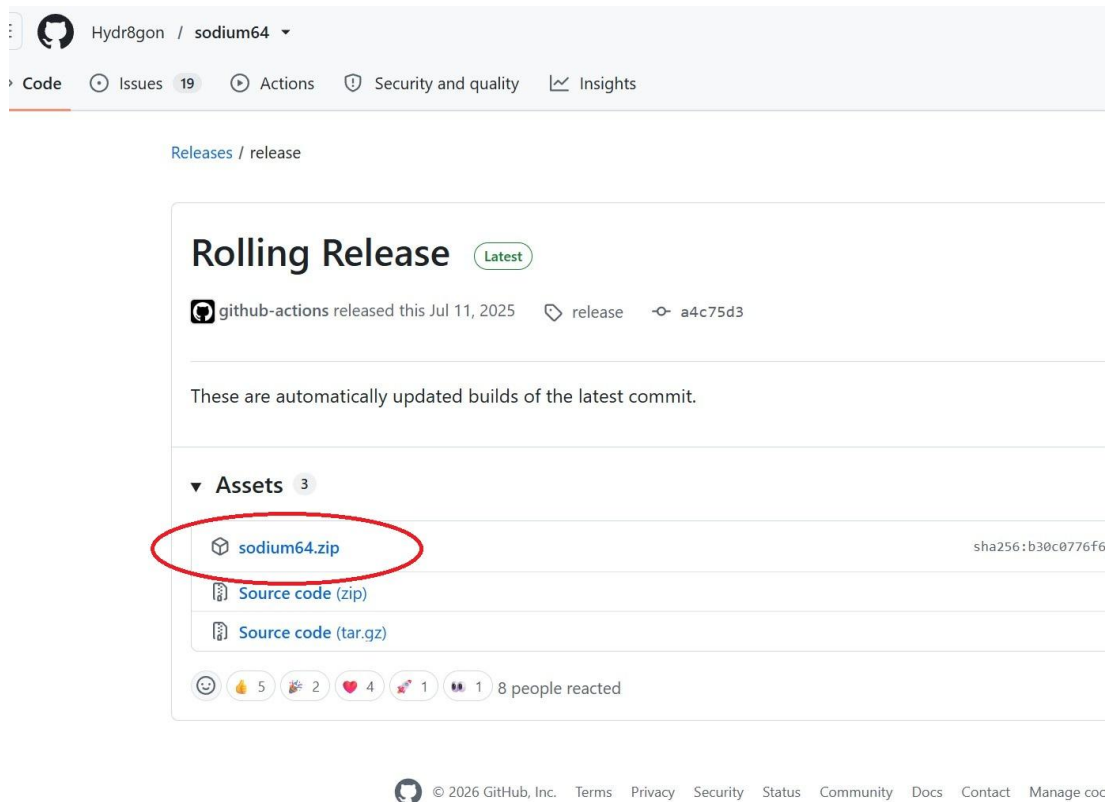
4. Your ROM file is now patched and ready to be loaded on the cart.

Single ROM automatic loading

If you would like to load a single ROM onto the cart and have it automatically load when you power up the console, you need to rename your .z64 ROM to "n64cart-manager.z64" and load it onto the N64 Cart.

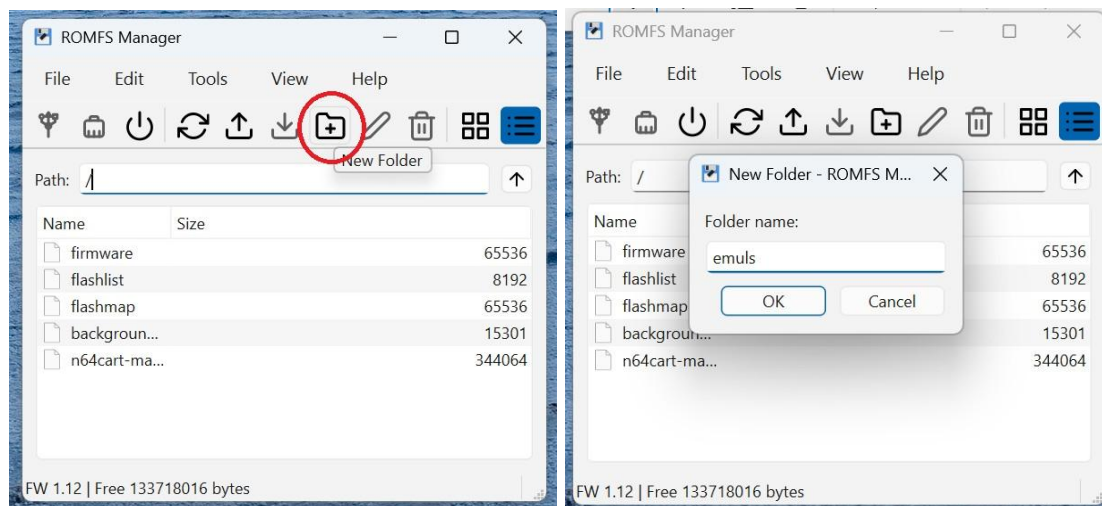
Loading SNES ROMs

1. Download the [Sodium64](#) zip file and extract it.

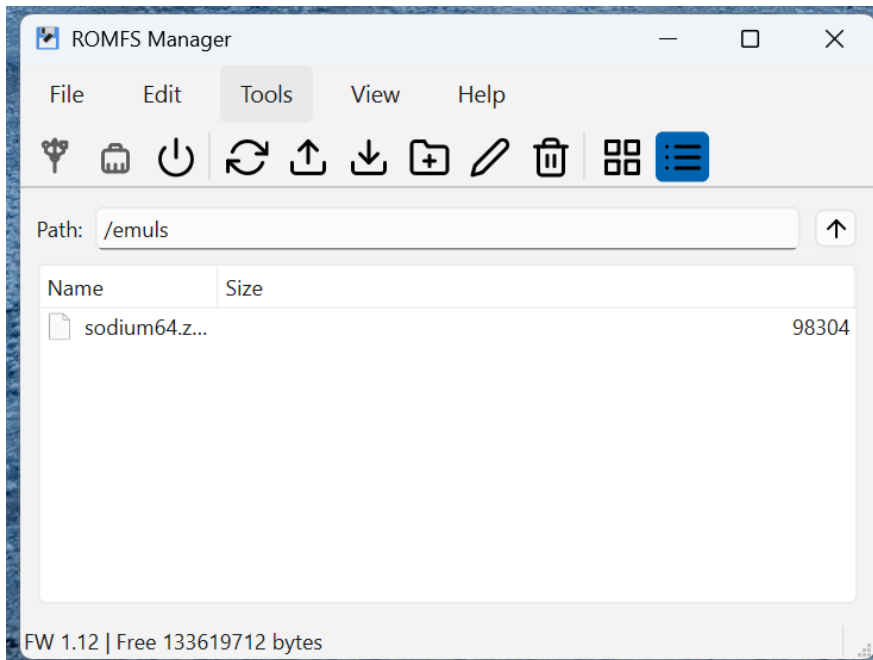


2. Load ROMFS Manager and connect your N64 cart via USB.

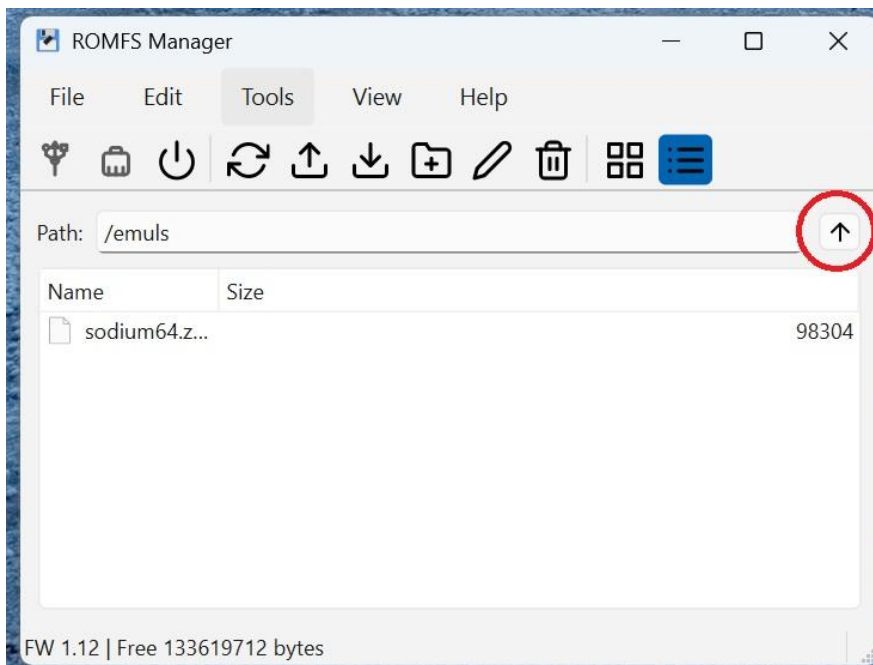
3. Create an “emuls” folder.



4. Move the sodium.z64 file to the new emuls folder.



5. Return to the root of the N64 cart.



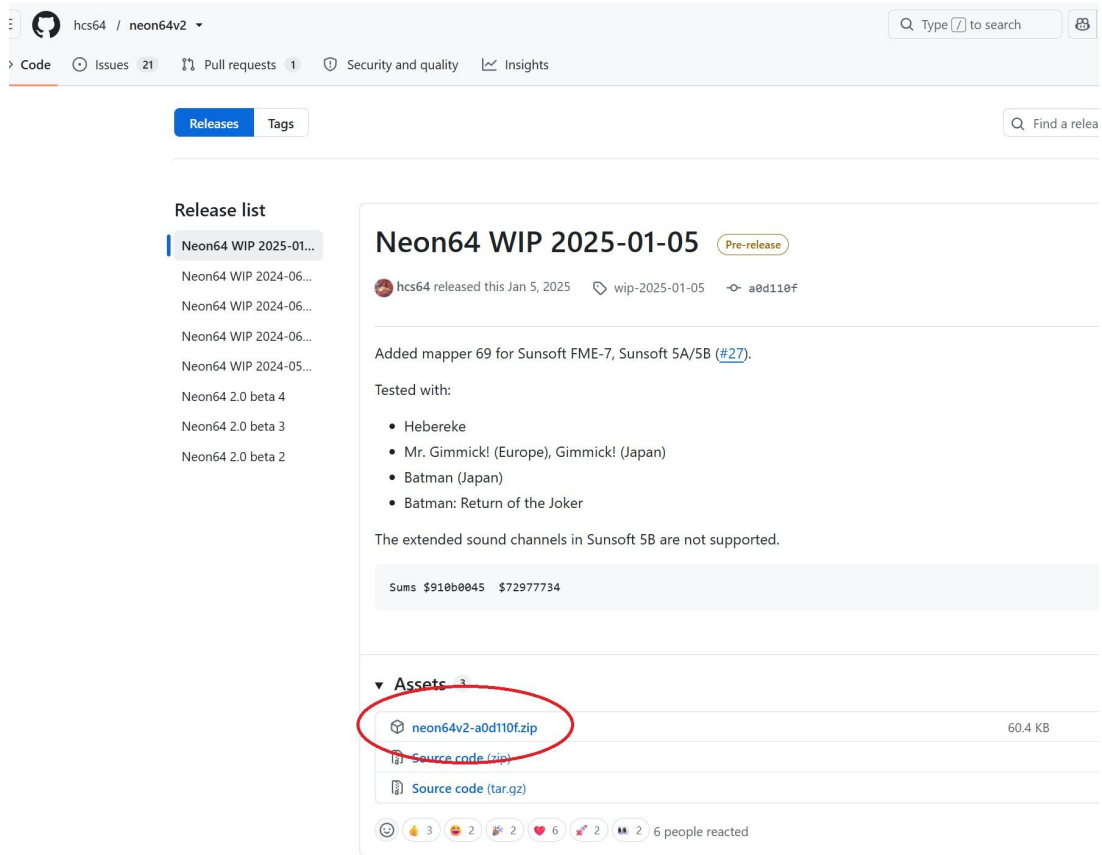
6. You can now copy any .sfc files over to the N64 cart.

SNES Controls

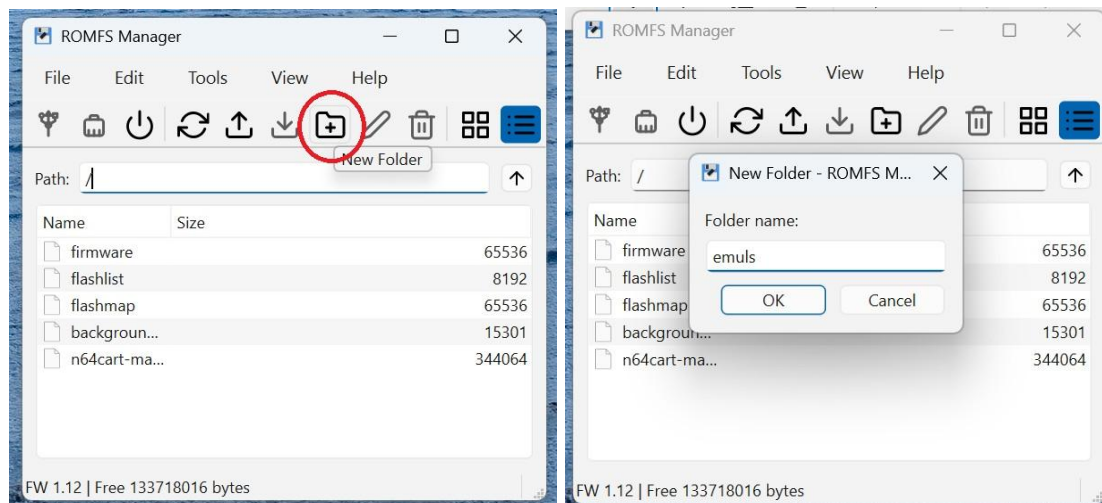
SNES controller	N64 controller	Sodium64
D-pad	D-pad	
Select	B	
Start	A	
A	C right	
B	C down	
X	C left	
Y	C up	
L	L	
R	R	
	Start	Sodium64 menu

Loading NES ROMs

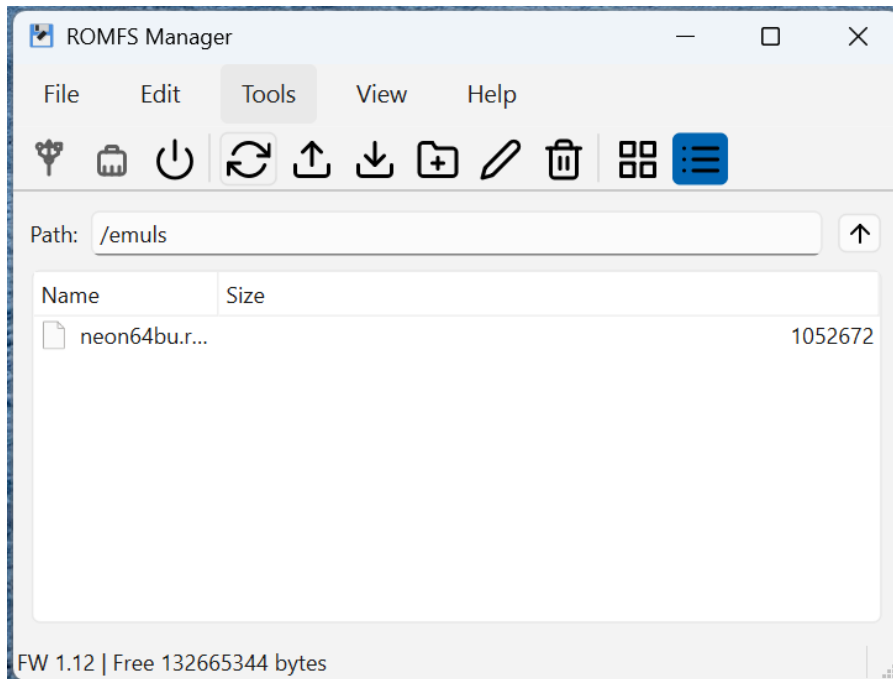
1. Download the [Neon64](#) zip and extract it.



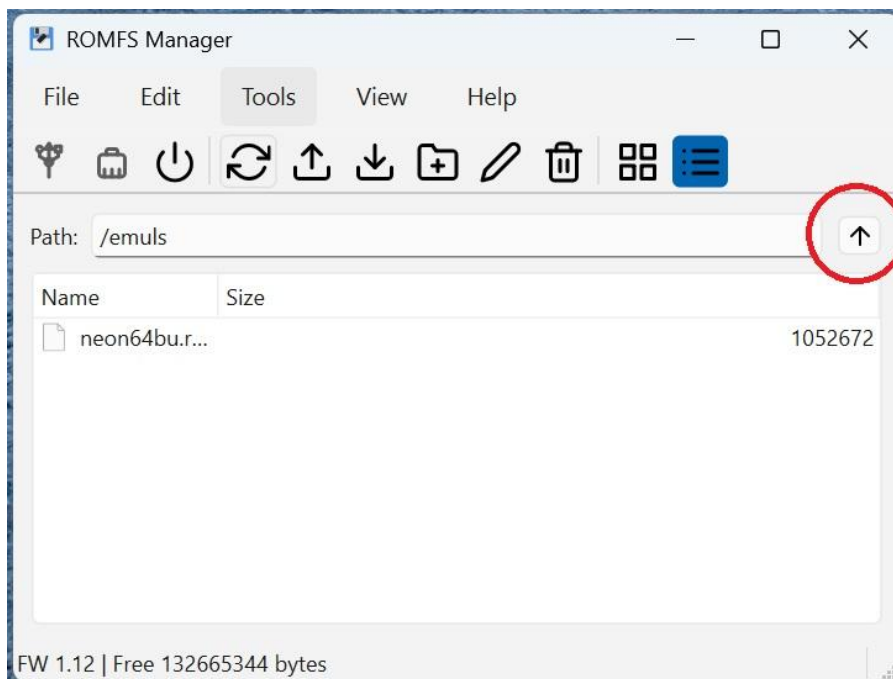
2. Load ROMFS Manager and connect your N64 cart via USB.
3. Create an "emuls" folder.



4. Copy neon64bu.rom to the emulators folder.



5. Return to the root of the N64 cart.



6. You can now copy your .nes ROMs to the N64 cart.

NES Controls

NES controller	N64 controller	Neon64
D-pad	D-pad or analog stick	
Select	Z	
Start	Start	
A	C right	
B	C down	
	L + R	Neon64 menu

Loading GameBoy & GameBoy Color ROMs

1. Download the [GB64 emulator](#) and extract the files.



Rom

.gb or .gbc rom to convert to an .n64 rom

Choose Files No file chosen

Convert

Convert and Download

Emulator for Everdrive

Download Emulator

If you put gb.v64 and gbc.v64 from the download link above into the folder ED64/emu on your everdrive you can play gameboy ROMs directly without having convert them individually.

Bios

Use a bios to get the gameboy startup animation with the nintendo or gameboy logo. Don't include them to skip the animation and boot directly into the game.

dmg_boot.bin (optional) used for original gameboy

Choose File No file chosen

cgb_bios.bin (optional) used for gameboy color

Choose File No file chosen

Save Type

Use SRAM instead if you have trouble saving on 64drive.

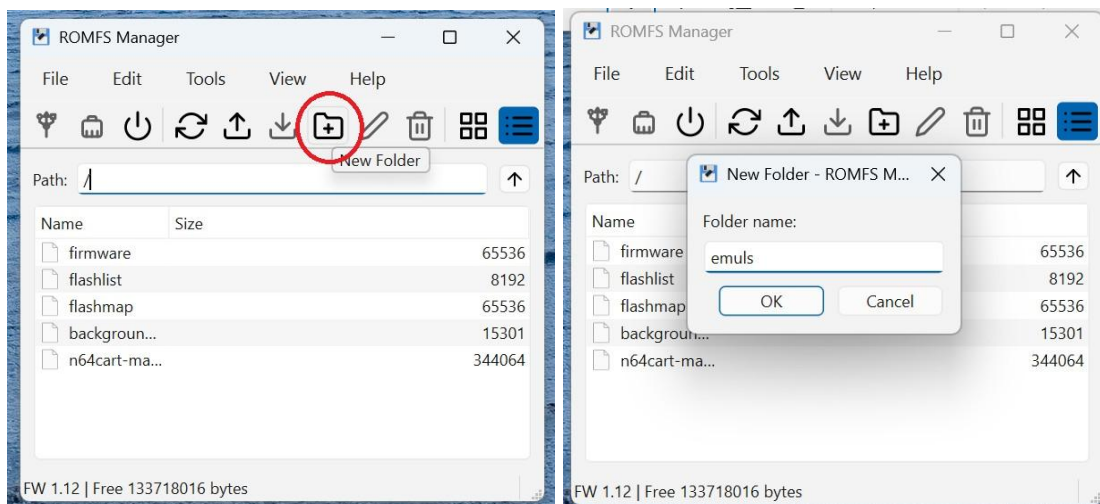
FLASH

Pad to MB

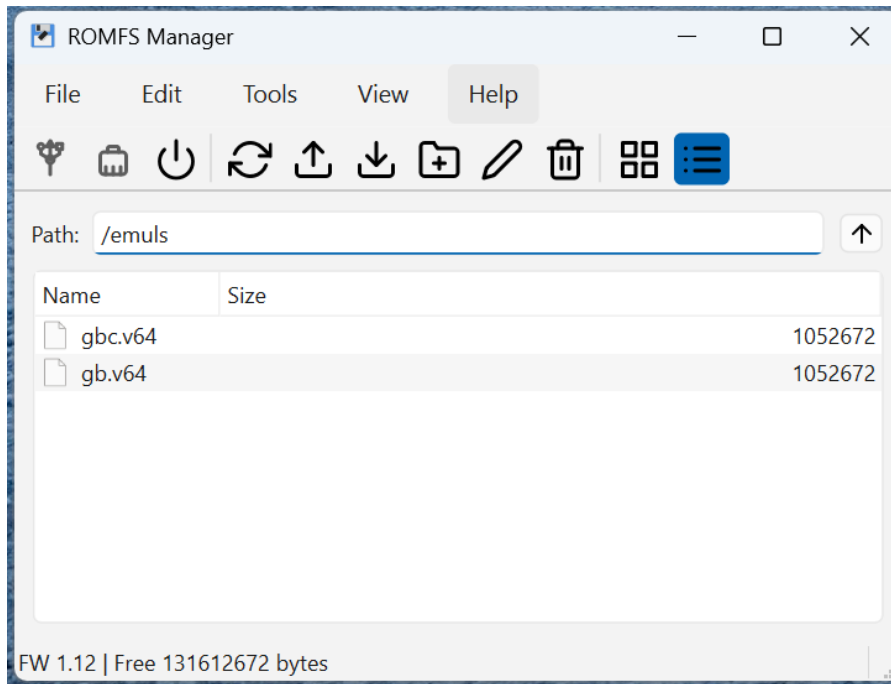
Retroblaster requires the ROM to be an even multiple of a megabyte. Check this to apply padding to the output ROM to size it up to the next MB.

☐ Add padding

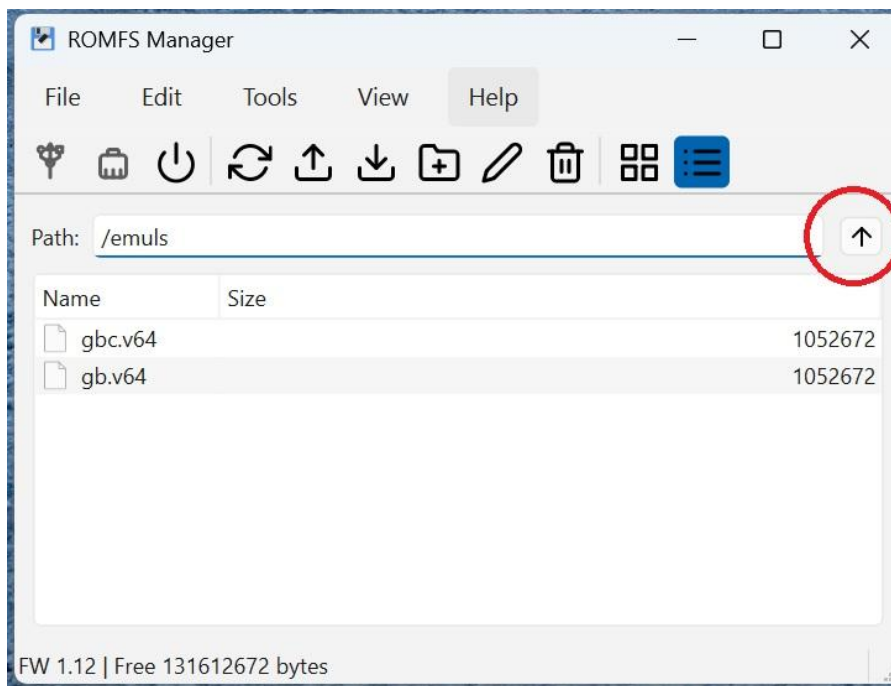
2. Load ROMFS Manager and connect the N64 cart via USB.
3. Create an "emuls" folder.



4. Copy gb.v64 and/or gbc.v64 to the emuls folder.



5. Return to the root of the N64 cart.



6. You can now copy your .gb or .gbc files over to the N64 cart.

Gameboy Controls

GB controller	N64 controller	GB64
D-pad	D-pad or analog stick	
Select	Z	
Start	Start	
A	A	
B	B	
	C down	Save
	C up	Load save state
	C right	Fast forward
	C left	GB64 menu

Updating Firmware

1. Download the latest [n64cart-v3 firmware](#) from github. You may have to click 'show all XX assets'. Choose NTSC / PAL depending on your needs.

The screenshot shows the GitHub repository page for `pdaxrom / N64cart`. The page is displaying the **Release 1.13** section, which is marked as the **Latest** release. The release was published on June 7, 2023, with commit `27d810a`.

Features:

- Add Qt-based ROMFS Manager GUI for browsing, uploading, downloading, deleting, renaming, and creating folders over USB or remote proxy.
- Add ROMFS Manager build/deploy support for macOS, Linux, and Windows, with `vcpkg/libusb` integration and portable deployment helpers.
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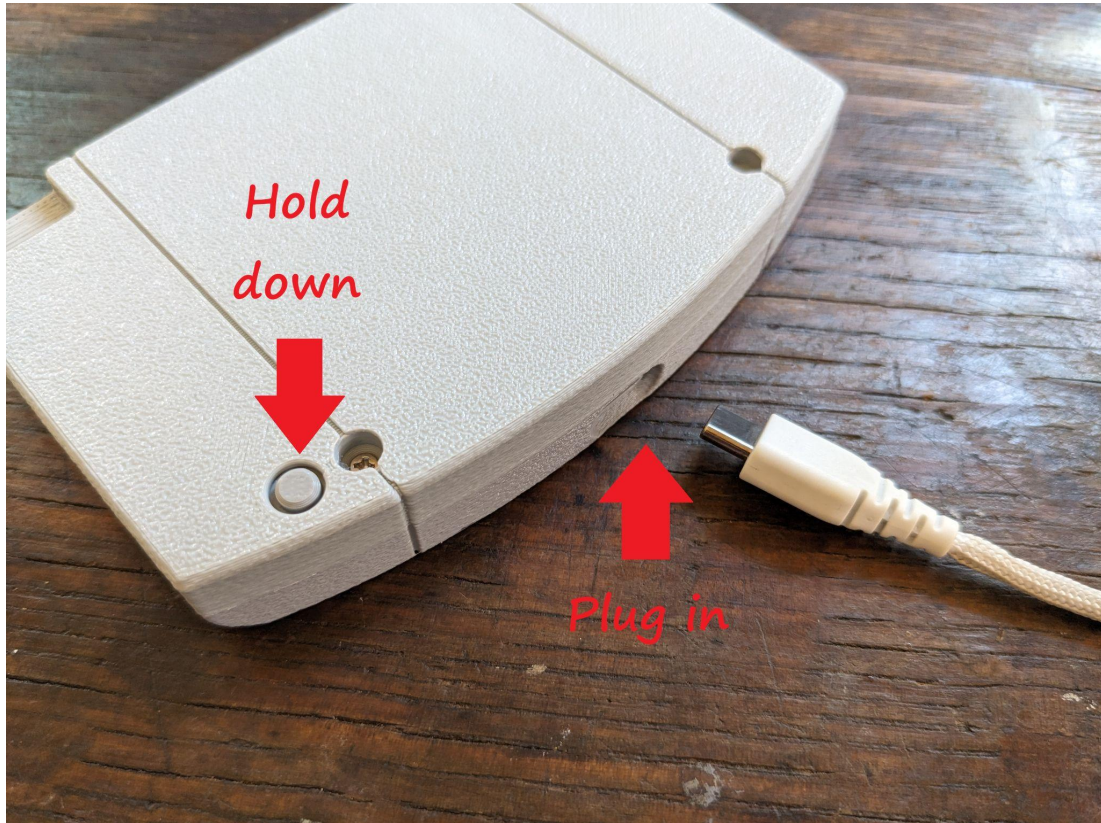
Installation

Upload the required firmware (depends on the cartridge hardware version, ntsc/pal console) to your cartridge. Using the usb utility, upload the rom manager for your cartridge. **Attention!** The name of the uploaded rom manager must be `n64cart-manager.z64`, otherwise the cartridge will not start on the console.

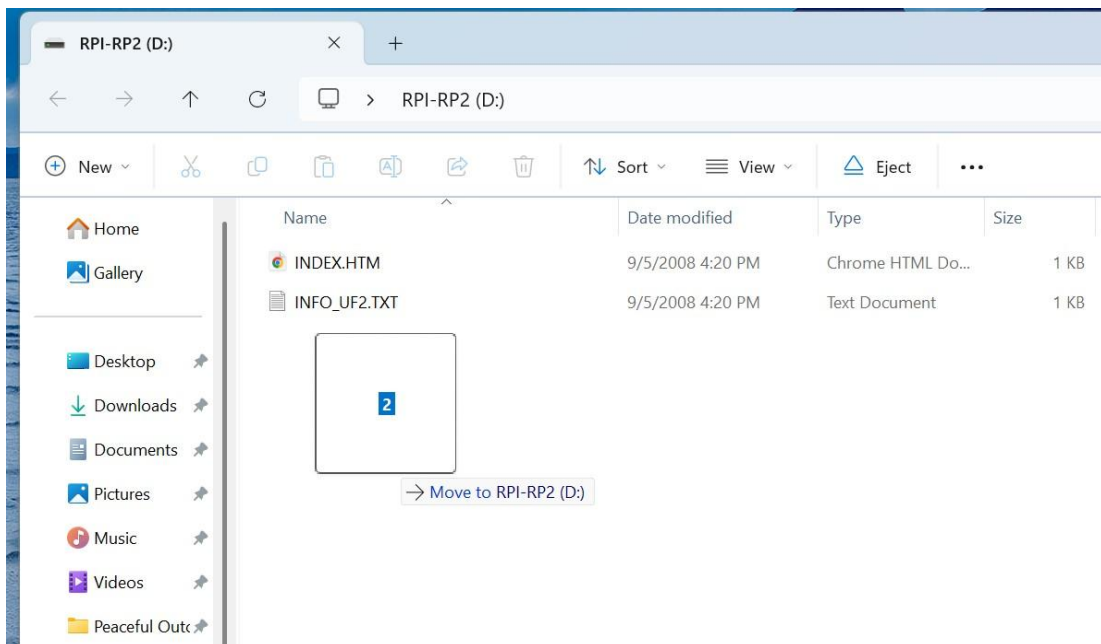
Assets (21)

Asset Name	SHA256 Hash	Size	Date
n64cart-manager-pico-1.13.z64	sha256:ae75d3997c39078c3...	320 KB	Jun 7
n64cart-manager-pico-lite-1.13.z64	sha256:5747ce4eb6be564d8...	320 KB	Jun 7
n64cart-manager-pico-lite-nofiledel-1.13.z64	sha256:b79e9856b5f4ac3da...	320 KB	Jun 7
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n64cart-manager-v2-1.13.z64	sha256:b25134b3089236b42...	320 KB	Jun 7
n64cart-manager-v2-nofiledel-1.13.z64	sha256:dfb0d8eeb4d8e4eff...	320 KB	Jun 7
n64cart-manager-v3-1.13.z64	sha256:b25134b3089236b42...	320 KB	Jun 7
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n64cart-v2-1.13-pal.uf2	sha256:8364c2a727ae8676e...	77 KB	Jun 7
n64cart-v3-1.13-ntsc.uf2	sha256:087386ecb7347e0bd...	78 KB	Jun 7
n64cart-v3-1.13-pal.uf2	sha256:ee49f50b34cfb02c...	78 KB	Jun 7
ROMFS.Manager-win-x64.zip	sha256:ecf74a563cdf53a8...	26.2 MB	Jun 7
ROMFS.Manager_macos_arm64.dmg	sha256:5a6c8e1cab0bb5139...	36.9 MB	Jun 7
usb-romfs-1.13-win32.zip	sha256:9f204899c8d07e9ee...	618 KB	Jun 7

2. While holding the button on the back of the N64 Cart down, plug in the USB cable.



3. A window will pop up. Copy the .uf2 firmware file over to the window. Once the transfer is done the window will close and the firmware update is done.



Updating N64 Cart Manager

1. Download the [n64cart-manager-v3](#) from the github. The nofiledel version doesn't allow you to delete roms in the N64 cart manager (the software that runs before you start a game).

The screenshot shows the GitHub repository for `pdaxrom / N64cart`. The `Releases` tab is selected, displaying the `Release 1.13` page. The release is marked as `Latest` and was released on June 7. The page lists features, installation instructions, and a list of 21 assets. The asset `n64cart-manager-v3-1.13.z64` is circled in red.

Release list

- Release 1.13
- Release 1.12
- Release 1.11
- Release 1.10

Release 1.13 Latest Compare

pdaxrom released this Jun 7 · 1.13 · 27d810a

Features:

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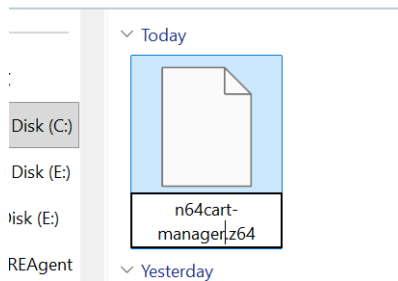
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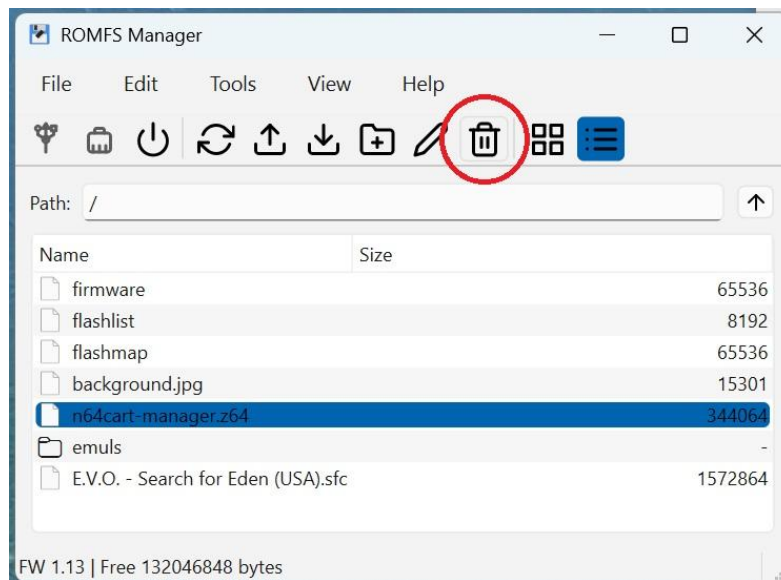
Assets 21

n64cart-manager-pico-1.13.z64	sha256:ae75d3997c39078c3...	320 KB	Jun 7
n64cart-manager-pico-lite-1.13.z64	sha256:5747ce4eb6be564d8...	320 KB	Jun 7
n64cart-manager-pico-lite-nofiledel-1.13.z64	sha256:b79e9056b5f4ac3da...	320 KB	Jun 7
n64cart-manager-pico-nofiledel-1.13.z64	sha256:61004516ea9a84f84...	320 KB	Jun 7
n64cart-manager-v2-1.13.z64	sha256:b25134b3089236b42...	320 KB	Jun 7
n64cart-manager-v2-nofiledel-1.13.z64	sha256:dfb0d8eeb4d8e4eff...	320 KB	Jun 7
n64cart-manager-v3-1.13.z64	sha256:b25134b3089236b42...	320 KB	Jun 7
n64cart-manager-v3-nofiledel-1.13.z64	sha256:dfb0d8eeb4d8e4eff...	320 KB	Jun 7

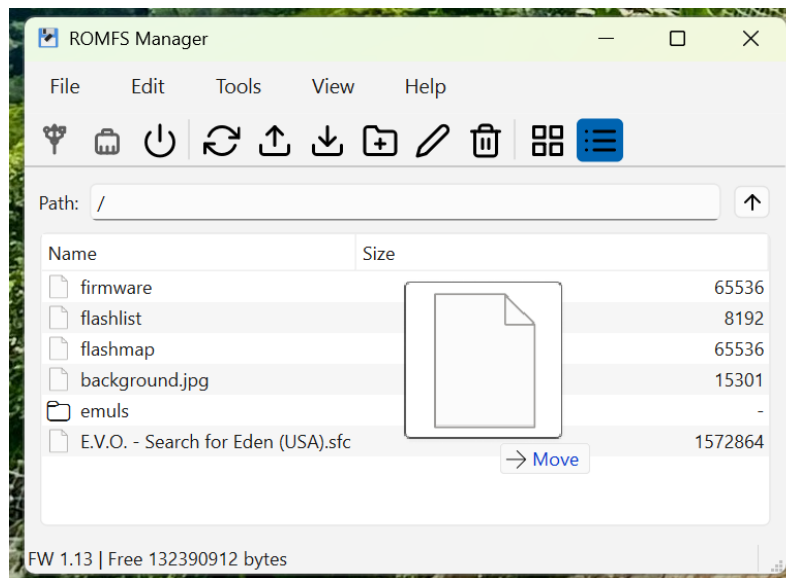
2. Go to the download folder and rename n64cart-manager-xxxxx.z64 to "n64cart-manager.z64".



3. Load ROMFS manager and connect the N64 cart via USB.
4. Delete the n64cart-manager.z64 on the N64 cart.



5. Transfer the n64cart-manager.z64 from your downloads to the N64 cart.



N64 Cart Disclaimer

The N64 cart was developed by [pdaxrom](#). Their license is copied below.

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