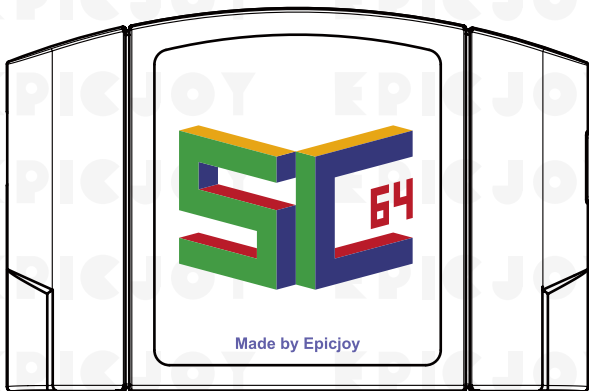


SC64

Quick Start Guide



✉: epicjoylab@gmail.com

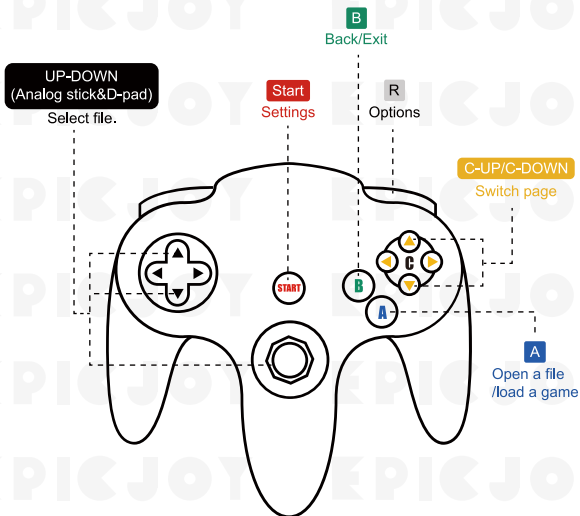
🌐: www.epicjoylabs.com

📄: <https://github.com/Epicjoy>



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02 Control



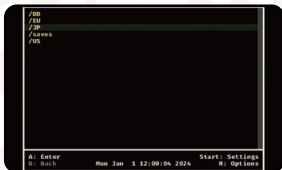
03 How To Play A Game

1. Firmly plug your **SC64** into the nintendo 64 console's cartridge slot and power on your console.

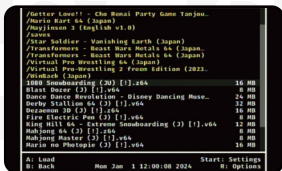


2. Select a game rom and run it.

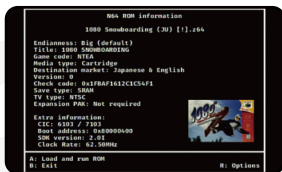
- When you turn on the console, the N64 flashcart menu will load.
- Use the **【Down】** button to select the game folder, then press the **【A】** button to enter the game list.



- Use the **【Up-Down】** button to scroll through the list of game ROMs (the selected ROM file will be highlighted).



- Press the **[A]** button to load the information for the selected game ROM.



- Press the **[A]** button again, and the game will load and run.

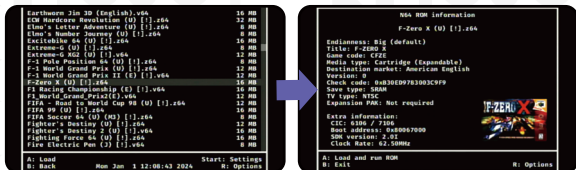


Congratulations! You have successfully started a game.

04 How To Play 64DD Expansions

To load a N64 game alongside its expansion, such as F-ZERO X + F-ZERO X Expansion Disk:

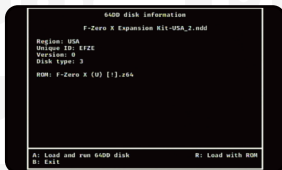
1. First, select the SC64 game file using the **[A]** button, but do not boot it up.



2. Press the **[B]** button to return to the browser.



3. Next, select the 64DD disk image file with the **[A]** button, but press the **[R]** button to boot the disk along with the previously selected N64 ROM.



The N64 game will now launch with the 64DD disk file inserted.

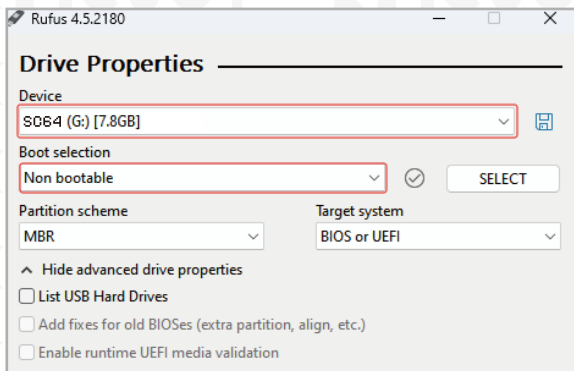
05 How To Make A TF Game Card

Note:

- If you want to use your own TF card to make your own game memory card, please follow the steps below.
- It is recommended to use a standard Class 10 TF memory card for better compatibility.
- **Note: This tutorial is only for the windows 10 platform.**

1. Download the latest version of **Rufus** from:
<https://github.com/pbatard/rufus/releases>

2. Insert your SD card.
3. Once installation is complete open **Rufus-xx.exe** .
4. Select your TF card from the **Device** .
5. Using the following settings:
 - **Boot selection:** **Non bootable** .
 - **Quick format** / **Create extended label and icon files** / **Check device for bad blocks** should be left unchecked.
 - Other options can be left to default.
 - **Volume Label** can be whatever you want.



Format Options

Volume label

S064

File system

FAT32 (Default)

Cluster size

4096 bytes (Default)

^ Hide advanced format options

- ☐ Quick format
- ☐ Create extended label and icon files
- ☐ Check device for bad blocks

1 pass

Status

READY

6. Click the **START** button.

^ Hide advanced drive properties

☐ List USB Hard Drives

Rufus



WARNING: ALL DATA ON DEVICE 'FLASHMASTER (G:) [7.8GB]' WILL BE DESTROYED.
To continue with this operation, click OK. To quit click CANCEL.

OK

Cancel

^ Hide advanced format options

- ☐ Quick format
- ☐ Create extended label and icon files
- ☐ Check device for bad blocks

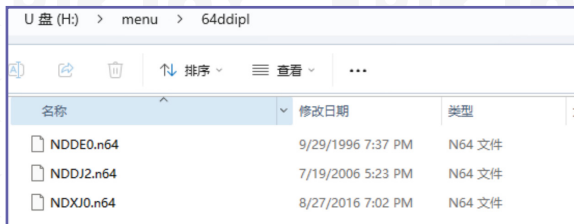
1 pass

7. You will then receive a confirmation warning you that all data on your SD card will be erased. Click **OK**.
8. Formatting may take considerable time to complete. Do not remove the SD card until it has been formatted.
9. Download the latest sc64menu.n64 file from <https://github.com/Polprzewodnikowy/N64FlashcartMenu/releases/>, then put it in the root directory of your SD card.
10. Place your ROMs on the SD Card, When you're done, insert the TF card into sc64 and open the console to enjoy the game.

If you are running 64DD disk images, please follow these steps.

For the ability to load and run 64DD disk images, you need to place the required 64DD IPL dumps in the folder on the SD card.

1. Download the 64DD IPL ROM archive from https://64dd.org/download/sc64_64ddipl.zip
2. Extract the contents of the compressed file, then copy the menu folder to the root directory of the SD card.
3. Once completed, your micro SD card will contain the following files:



U 盘 (H:) > menu > 64ddipl		
名称 ^		
NDDE0.n64	9/29/1996 7:37 PM	N64 文件
NDDJ2.n64	7/19/2006 5:23 PM	N64 文件
NDXJ0.n64	8/27/2016 7:02 PM	N64 文件

4. The 64DD IPL ROM files are now set up, and you can play 64DD games.

06 How To Upgrade The Firmware



Only for windows

- Download the latest firmware from <https://github.com/Polprzewodnikowy/SummerCart64/releases/latest>

Assets 8

sc64-deployer-linux-v2.19.0.tar.gz	1.71 MB	3 days ago
sc64-deployer-macos-v2.19.0.sgr	1.56 MB	3 days ago
sc64-deployer-windows-32bit-v2.19.0.zip	1.98 MB	3 days ago
sc64-deployer-windows-v2.19.0.zip	2.14 MB	3 days ago
sc64-extra-v2.19.0.zip	2.58 MB	3 days ago
sc64-firmware-v2.19.0.bin	190 KB	3 days ago
Source code (zip)		last week
Source code (tar.gz)		last week

4 4 people reacted

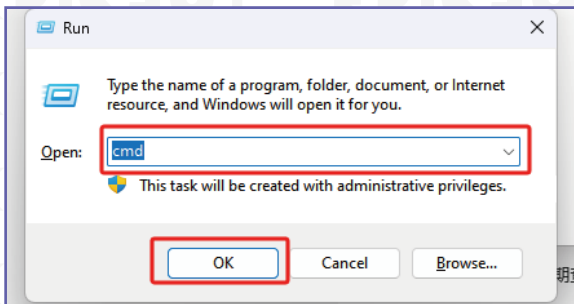
- Extract deployer tool package contents to a folder and place firmware file inside it.

Disk (C:) > Users > Administrator > Downloads > sc64-deployer-windows-v2.19.0

Sort View ...

Name	Date modified	Type	Size
Today			
sc64-firmware-v2.19.0.bin	9/10/2024 3:44 PM	BIN 文件	190 KB
Last week			
sc64deployer.exe	9/7/2024 7:11 AM	Application	5,375 KB

- Connect SC64 device to your computer with USB type C cable.
- Use the **Win+R** key combination to open the Run command window, type **CMD** , and click **OK** .



- After opening the Command Prompt, use the `cd` command to change the directory to the location of the sc64 toolkit folder.

```
cd C:\Users\Administrator\Downloads\sc64-deployer-windows-v2.19.0
```

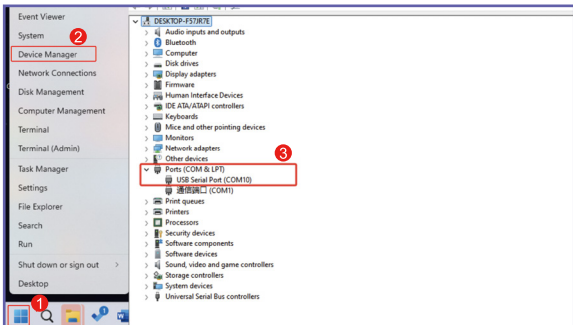
- Use the command `SC64deployer.exe list` to check if the SC64 device is loaded on your PC. This command will display the list of connected SC64 devices.

```
C:\Users\Administrator\Downloads\sc64-deployer-windows-v2.19.0>sc64deployer.exe list
Found devices:
1: [SC64XXXXXXA] at port [serial:///COM10] (using "serial" backend)
```

Then follow these steps to check if the serial port device numbers match. If they do not match, please disconnect and reconnect the device to ensure it is properly connected:

1. Open the Device Manager by right-clicking the Start button and selecting "Device Manager."
2. Expand the "Ports (COM & LPT)" section to see the list of connected serial devices.
3. Note the COM port number assigned to your SC64 device.
4. Compare this number with the output from the `SC64deployer.exe list` command.

5. If the numbers do not match, disconnect the SC64 device and reconnect it, then check again.



- Enter the command `sc64deployer.exe firmware update sc64-firmware-{version}.bin` to upgrade the SC64 firmware to the latest version, where `{version}` represents the version number. Make sure to replace `{version}` with the actual version number of the firmware file you are using.

```
sc64deployer.exe firmware update sc64-firmware-v2.19.0.bin
```

```
C:\Users\Administrator\Downloads\sc64-deployer-windows-v2.19.0>sc64deployer.exe firmware update sc64-firmware-v2.19.0.b
Firmware metadata:
builder: fv-az695-190
created: 2024-09-06 23:31:04
freq: 106.011 MHz
ver: v2.19.0
branch: HEAD
tag: v2.19.0
sha: 3146acc8c990372626ba8d07e2e302f3fb7fa8817
msg: [SC64][SW] Fix USB reset procedure (I/O buffer purge)
MCU data present, length: 0x5210
FPGA data present, length: 0x19750
Bootloader data present, length: 0x10000
Primer data present, length: 0x05C
Firmware file verification was successful
Continue with update process? [y/N] y
```

- Type the character y to confirm, and then the upgrade will begin. Please be patient and wait for the upgrade to complete.

```
Firmware file verification was successful
Continue with update process? [y/N] y
Do not unplug SC64 from the computer, doing so might brick your device
Updating firmware, this might take a while [sc64-firmware-v2.19.0.bin]... done
```

07 Frequently Asked Questions



Q: What is the model of the FPGA used in SC64?

A: LCMXO2-7000HC-6TG144x

Q: Does SC64 support Play 64DD expansions?

A: SC64 comes pre-installed with the 64DD IPL boot file, and you can run “nnd” files according to the user manual.

Q: What is the maximum memory size of the TF card supported by SC64?

A: 2TB

Q: SD card initialization error.

A: Please follow the tutorial in Chapter 5 to create a TF game card.

Q: Unsupported SC64 firmware version' warning message appears during the use of the sc64deployer app.

A: The sc64deployer application is closely linked to specific firmware versions and will produce an error if it detects an unsupported version.