SAROO

Quick Start Guide

SDLoader
SAROO

1MB/4MB RAM
8MB Memory Card

✉ : epicjoylab@gmail.com
🌐 : www.epicjoylabs.com
🐙 : https://github.com/Epicjoy

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01   Quick Start Instructions

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02   Control

L
X Y R
D-Pad
Y Z Z
X B C
A C B
A A
START
Start
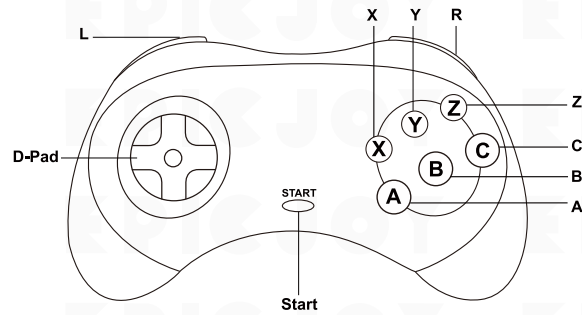
1. How to Use Controllers in Saroo System Menu Page.

UP & Down(D-pad)
Select File

A
Open A File/Load A Game

C
Back

L&R
Functionality of Buttons in the Game List Page:
Switch pages

Functionality of Buttons in the SAROO Boot Menu Page:
Switch System Menu Language(Use only the **L** button)

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2. How to Use Controllers in System CDPlayer Page.

How to access the System CDPlayer.
● When on the game list page:
press the **Z** button
● When in the game:
press **START + A + B + C**

A
Start Game

C
Start Game and Use System Save

Start
Return to SAROO Boot Menu

03   How To Play A Game

1. Plug your **SAROO** into the saturn cartridge slot and power on your console.
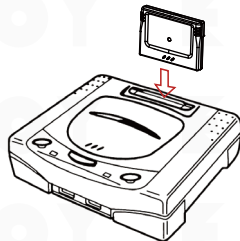
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2. Select a game rom and run it.
● When you turn on the console, the **SAROO Boot menu** will load.
● Select the **Select Game** option to enter the game list.
● Use the D-pad's **Up** and **Down** buttons to choose a game (or use the **L** and **R** buttons to flip through pages of games).

*Use the D-pad's up-left button to switch the layers of the game cover display.
● Then press the **A** button to run the game.

Congratulations! You have successfully started a game.
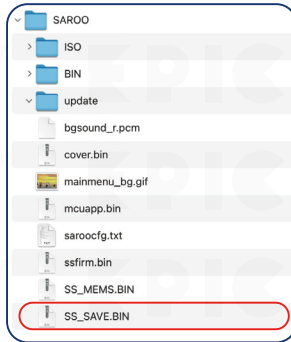
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04   How To Manage Game Saves

SAROO supports 8MB of virtual memory and includes a save tool, allowing you to manage game saves using the console's memory manager.

1. Enter the **SAROO** Boot Menu
2. Select System CDPlayer,press the **A** button.
3. After entering the CDPlayer page on the console, SAROO will export the saves to the **/SAROO/SS_SAVE,BIN file.**
4. When you enter the console's memory manager, you can see both the system memory and SAROO's save memory, allowing you to easily copy files between the two.

*The **SS_SAVE,BIN** file will be automatically generated in the SAROO folder on the Micro SD card, as shown in the image below.
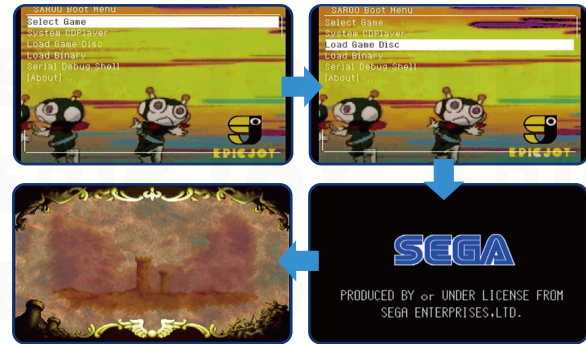
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SAROO
ISO
BIN
update
bgsound_r.pcm
cover.bin
mainmenu_bg.gif
mcuapp.bin
saroocfg.txt
ssfirm.bin
SS_MEMS.BIN
SS_SAVE.BIN

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05   How To Play The Burned Game Disc

1. Place the burned game disc into the console's disc drive.
2. Turn on the console.
3. Select the "Load Game Disc" feature in the SAROO Boot Menu.
4. The system will begin reading the disc.

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06   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:
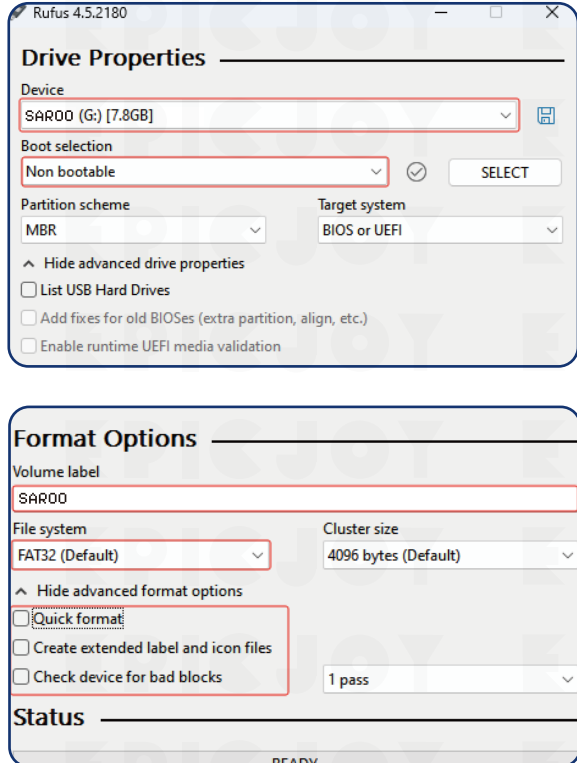https://github.com/pbatard/rufus/releases
2. Insert your SD card.
3. Once installation is complete open **Rufus-xx.exe** .
4. Select your TF card from the **Device** .
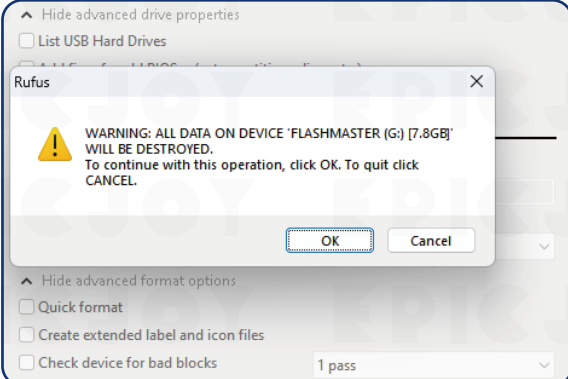5. Using the following settings:
● **Boot selection:** **Non bootable** .
● **Quick format** / **Create extended label and icon files** /
Check device for bad blocks should be left unchecked.
○ Other options can be left to default.
● **Volume Label** can be whatever you want.

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Rufus 4.5.2180

Drive Properties
Device
SAROO (G:) [7.8GB]
Boot selection
Non bootable
Partition scheme — Target system
MBR — BIOS or UEFI
Hide advanced drive properties
☐ List USB Hard Drives
☐ Add fixes for old BIOSes (extra partition, align, etc.)
☐ Enable runtime UEFI media validation

Format Options
Volume label
SAROO
File system — Cluster size
FAT32 (Default) — 4096 bytes (Default)
Hide advanced format options
☐ Quick format
☐ Create extended label and icon files
☐ Check device for bad blocks — 1 pass

Status
READY

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6. Click the **START** button.

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

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.
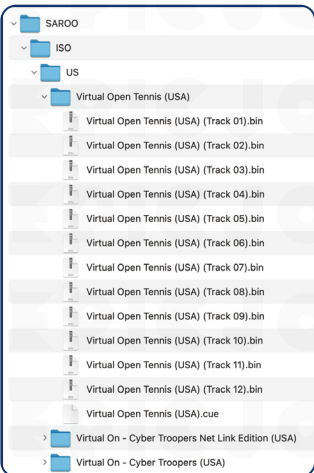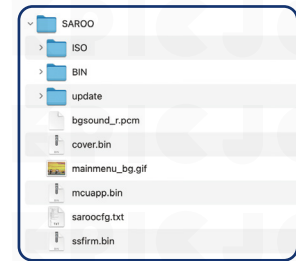9. Download the latest firmware file from
https://github.com/Epicjoy/SAROO-FW/releases, then put it in the root directory of your SD card.
The file structure of the micro SD card is as follows：
[SD card root folder]

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SAROO
ISO
BIN
update
bgsound_r.pcm
cover.bin
mainmenu_bg.gif
mcuapp.bin
saroocfg.txt
ssfirm.bin

10. Copy the game files into the ISO folder, and create a separate dedicated folder for each game.

SAROO
ISO
US
Virtual Open Tennis (USA)
Virtual Open Tennis (USA) (Track 01).bin
Virtual Open Tennis (USA) (Track 02).bin
Virtual Open Tennis (USA) (Track 03).bin
Virtual Open Tennis (USA) (Track 04).bin
Virtual Open Tennis (USA) (Track 05).bin
Virtual Open Tennis (USA) (Track 06).bin
Virtual Open Tennis (USA) (Track 07).bin
Virtual Open Tennis (USA) (Track 08).bin
Virtual Open Tennis (USA) (Track 09).bin
Virtual Open Tennis (USA) (Track 10).bin
Virtual Open Tennis (USA) (Track 11).bin
Virtual Open Tennis (USA) (Track 12).bin
Virtual Open Tennis (USA).cue
Virtual On - Cyber Troopers Net Link Edition (USA)
Virtual On - Cyber Troopers (USA)

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07   How To Upgrade The Firmware

1. Download the latest firmware from
https://github.com/Epicjoy/SAROO-FW/releases

▼ **Assets**   3
▼ FW-V250222.zip
Source code (zip)
Source code (tar.gz)

2. Use a decompression tool to extract the contents of the compressed file, then copy the files into the SAROO folder on the Micro SD card.

cover.bin   12/23/20
mcuapp.bin   12/24/20
saroocfg.txt   10/12/20
ssfirm.bin   12/24/20

3. After a successful upgrade, the version number will be displayed at the **bottom** of the SAROO Boot Menu.

4.The version number will be displayed at the bottom of the **SAROO Boot Menu**, as shown in the image below.

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08   Frequently Asked Questions

Q: What versions of the Extended RAM Cartridge can Saroo emulate?
A: Saroo can emulate two versions: one with 1MB of RAM and another with 4MB of RAM.

Q: How much storage space does Saroo's Saturn Backup Memory have?
A: It has 8MB of save space, which can store approximately 400 game saves.

Q: Is Saroo compatible with the Japanese Model 2 Saturn console?
A: Yes, Saroo is compatible with both the first and second generation Sega Saturn consoles.

Q: My Saroo won't load the Saroo Boot Menu. What should I do?
A: Follow these steps to troubleshoot:
1: Check if your microSD card is formatted as FAT32.
2: Ensure the files on the card are correct.
3: Observe the red and blue lights on Saroo during startup:
■If they are consistently lit, it indicates that the microSD card is loading properly.
4: If the above issues are resolved, ensure that Saroo and the console's connector are making proper contact.Try unplugging and re-plugging Saroo, or gently move it back and forth.

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