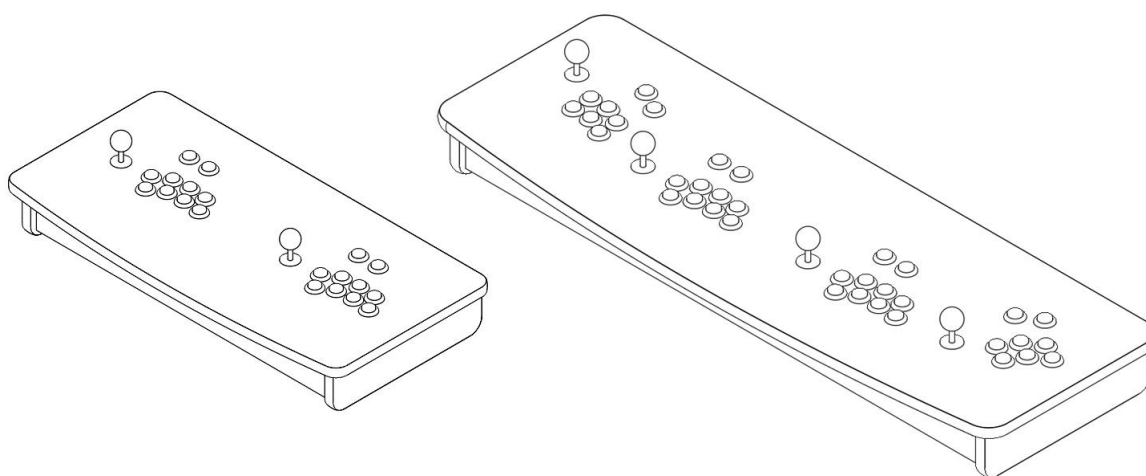


SIMPLE ARCADES

2 & 4-PLAYER RETROBASE USERS MANUAL



PLEASE NOTE: Some Features, upgrades, systems and/or games mentioned in this general guide may not be available on your specific model arcade and are subject to change without notice.



WARNING

READ BEFORE USING THE RETROBASE

WARNING: Electrical Safety and Operational Guidelines

1. **Electrical Shock Hazard: Disconnect Power Before Cover Removal**
 - To avoid electrical shock, disconnect power before removing the cover. This task should only be performed by a qualified technician.
2. **Avoid Exposure to Moisture**
 - To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
3. **Read and Comprehend All Warnings**
 - Please read and comprehend all warnings stated in this manual.
4. **Avoid Getting the Arcade Wet During Cleaning**
 - Do not expose the arcade to water when cleaning.
5. **Parental Guidance**
 - Parents and guardians: Please read the entire manual before allowing gamers to play.
6. **AC Wire Safety**
 - The AC wire should not be exposed to dripping or splashing. No objects filled with liquids, such as vases, should be placed on the apparatus. To completely disconnect the power input, the AC cord shall be disconnected from the mains.
7. **Protective Earth Terminal**
 - Your arcade should be connected to a mains outlet with a protective earth connection.
8. **Ventilation Requirements**
 - Maintain a minimum distance of 1.9 cm / 0.75 inches from the rear ventilation panels of the arcade for sufficient ventilation. Do not impede ventilation by covering openings with items such as newspaper, tablecloths, curtains, etc.
9. **No Naked Flames**
 - Do not place naked flame sources, such as lighted candles, on the arcade.
10. **Moderate Climate Usage**
 - The arcade should only be used in moderate climates.
11. **EPILEPSY WARNING:**
 - A very small percentage of individuals may experience epileptic seizures or blackouts when exposed to certain light patterns or flashing lights. Take a 10-15-minute break for each hour of playing to reduce the risk.

FCC STATEMENT:

- This device complies with part 15 of the FCC rules. Any changes or modifications not expressly approved may void the user's authority to operate the equipment. For assistance with interference issues, consult the dealer or an experienced radio/TV technician.

IMPORTANT SAFETY INSTRUCTIONS

1. Read these Instructions.
2. Keep these Instructions.
3. Heed all Warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding - type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the arcade.
11. Only use attachments/accessories specified by the manufacturer.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. Refer all servicing to qualified service personnel. Servicing is required when the arcade has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the arcade, the arcade has been exposed to rain or moisture, does not operate normally, or has been dropped.

SPECIFICATIONS

Power Supply: 5V 4A USB-C Outlet Power Adapter

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WELCOME TO YOUR NEW RETROBASE ARCADE!

Congratulations on your acquisition of the RETROBASE arcade system! This gaming marvel is the result of countless hours of design and programming, a true labor of passion to keep the spirit of retro gaming alive.

Step into a realm where nostalgia meets innovation, featuring thousands of arcade, console, and handheld games from the 1970s to the early 2000s, all carefully curated for your enjoyment and accessible through our user-friendly graphical menu system.

But beyond the tangible hardware and the vast game library, your RETROBASE is a journey into the heart of gaming history. It's a manifestation of our commitment to preserving the joy of retro gaming. With meticulous attention to detail and a deep passion for the craft, our goal is not just to provide a gaming system but to transport you back to a time when pixels ruled the screen and gameplay was pure magic.

We invite you to indulge in endless hours of entertainment, celebrating the timeless magic of gaming. The RETROBASE isn't just a product; it's an invitation to rediscover the joy of gaming and immerse yourself in the stories and challenges that defined an era.

Happy gaming and enjoy the adventure that awaits you in the world of RETROBASE!!

- The Simple Arcades Team

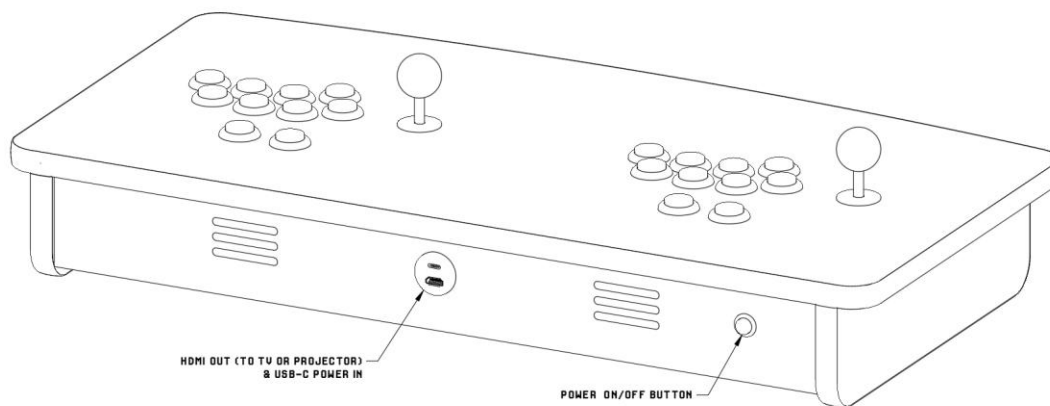
ARCADE BASICS

1.1 POWERING UP YOUR ARCADE

After connecting your arcade's USB-C style power cable to the wall and HDMI video cable from the rear of the arcade to your TV or projector, locate the small on/off power button on the rear of your arcade, as illustrated below.

To turn your arcade on, simply press this button. Once pressed, your arcade will power on. Your LED pushbuttons will light up, signifying power is now on. Your arcade will automatically load into the arcade's software without any action needed from you.

While the arcade is performing its boot sequence, please refrain from using the controls on your arcade's control panel.



1.2 CONTROLLING AUDIO

Both audio and video are sent directly through the arcade's HDMI connection. To adjust the volume, use the remote control for the TV or audio system receiving the HDMI signal, such as a stereo amplifier or surround sound receiver.

If you're using a surround sound system, you may need to set your amplifier or receiver to "HDMI pass-through" mode to hear audio from the arcade. This setting allows audio to play directly without additional processing, ensuring clear sound. Check your audio system's manual if you're unsure about enabling pass-through.

USING YOUR ARCADE

2.1 INTRODUCTION



Our arcade system features a user-friendly graphical menu system designed to make navigation effortless. With just a few button presses, you'll find yourself immersed in a world of classic and modern games. Here's what you can expect from our menu system:

- * **Browse Multiple Systems:** Explore a vast library of games from various systems, all conveniently organized within our menu. From retro classics to modern favorites, there's something for everyone.
- * **Game Libraries with Features:** Dive into our curated game libraries, complete with features such as game filters and sorting options. Finding your favorite games has never been easier.
- * **Intuitive Navigation:** Navigate through the menu seamlessly using intuitive controls. Whether you're a seasoned gamer or new to the world of arcade gaming, our menu system caters to users of all skill levels.

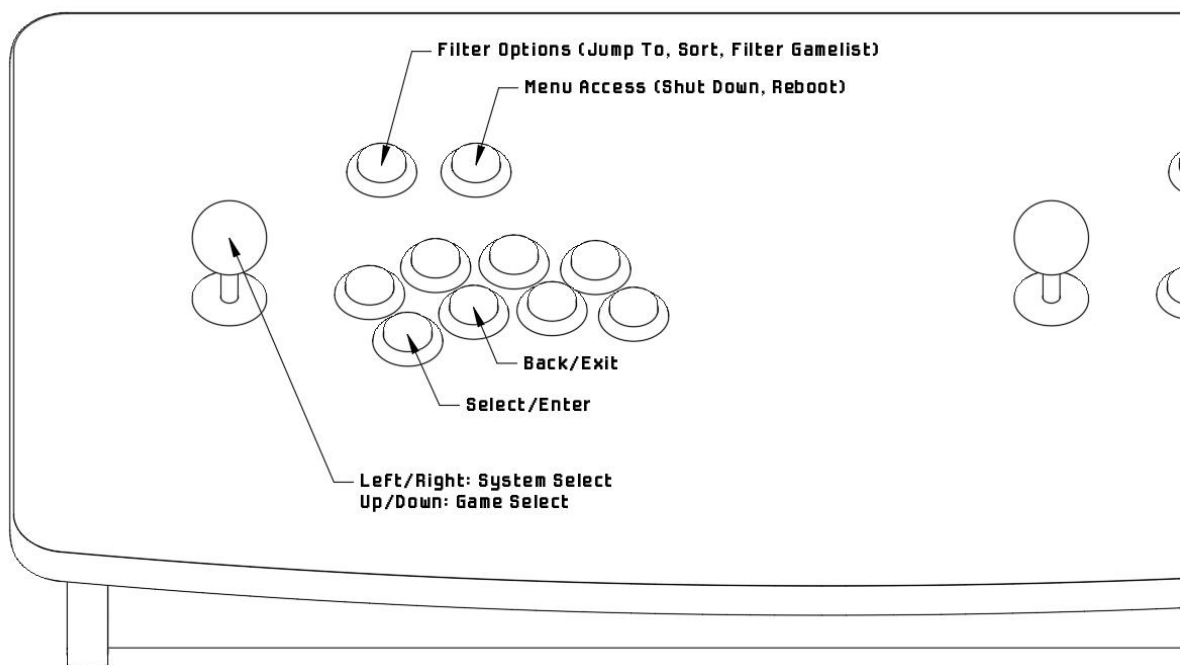
Your arcade's control surface is all you need to navigate and enjoy a seamless gaming experience.

2.2 MAIN MENU NAVIGATION & CONTROL BASICS

Our arcade system Features a user-Friendly graphical menu system designed to make navigation effortless.

While in the **MAIN MENU**:

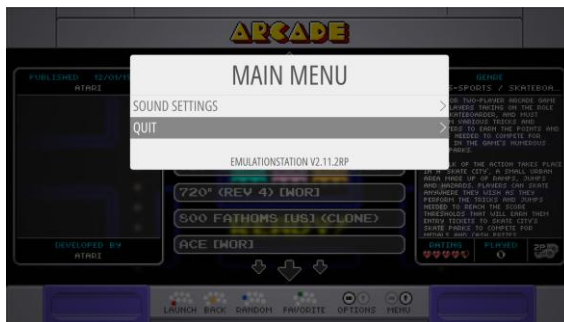
Please use the following control diagram while browsing systems and games ONLY



- Use the **JOYSTICK** for **MENU NAVIGATION**
- Use the illustrated **SELECT/ENTER** button to select menu items
- Use the illustrated **BACK/EXIT** button to exit selections, exit menus or to go back in general
- When a system has been chosen and you're browsing its available game library, press **GAME LIBRARY FILTER OPTIONS** button to access to options such as Filter by genre, number of players, ratings, Fast jumping to specific letters, or to sort games by name, rating, or times played

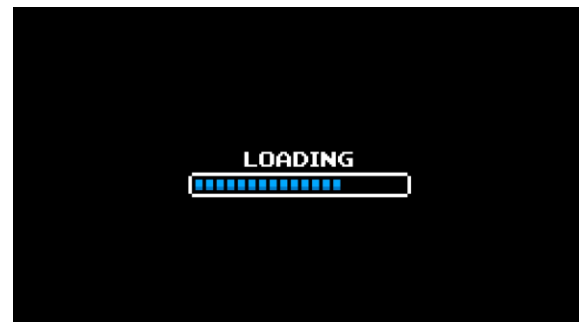


- Use the illustrated **MENU ACCESS** button to shut down or reboot your arcade



2.3 BROWSING SYSTEMS & LAUNCHING GAMES

Starting games on your arcade is as easy as 1, 2, 3. Just choose a system you want to explore, navigate to and highlight the game title you want to play, and then press your **SELECT/ENTER** button to begin your gaming session.



IMPORTANT: While most games load up relatively fast, some DISC based games, such as Panasonic 3DO, Sega Dreamcast, Sony PlayStation, and Sega CD may take longer to load than normal. Please be patient while waiting for these games to load.

While browsing game libraries, press the designated **FAVORITE** button to add the selected title to your main menu's **FAVORITES COLLECTION** listing.

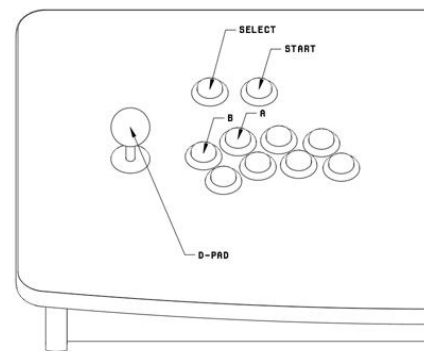
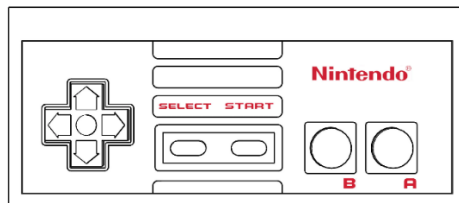


2.4 IN-GAME CONTROL

The arcade system comes with preset controls for each gaming system, making it convenient for players to jump right in and start playing. However, specific button layouts for every game and system are not included, nor illustrated. Given the vast number of playable titles available on the machine, it would be impractical to list them. Nevertheless, discovering the controls for each game is usually straightforward and easy to find out.

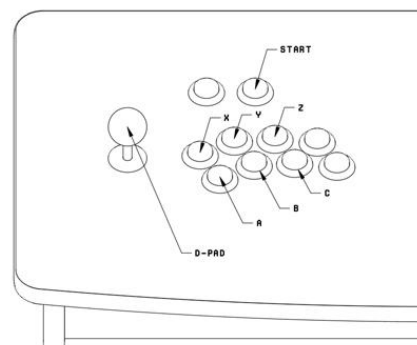
To provide some insight into our approach for button mapping, let's delve into a few examples:

1. The **Nintendo Entertainment System** had a two-button controller (B & A), a SELECT & START button, and an UP/DOWN/LEFT/RIGHT directional pad, as shown below. The corresponding button configuration for this system on your arcade is:



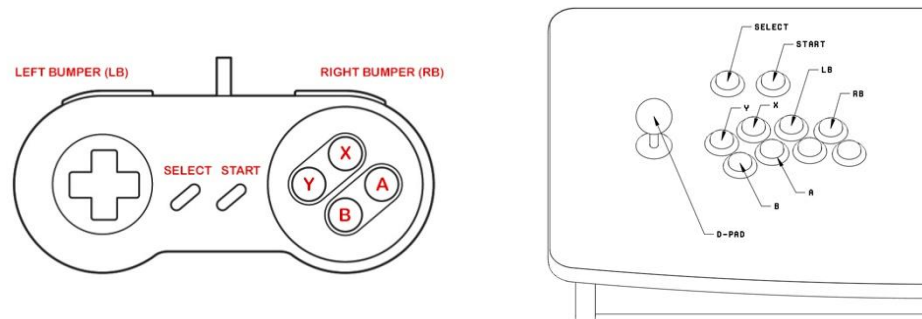
Directional Pad (D-PAD) = Joystick control
 B, A = Buttons 1 & 2
 SELECT, START = Player COIN, START

2. The **Sega Genesis** had a six-button controller (X, Y, Z, A, B, C), a START button, and an UP/DOWN/LEFT/RIGHT directional pad, as shown below. The corresponding button configuration for this system on your arcade is:



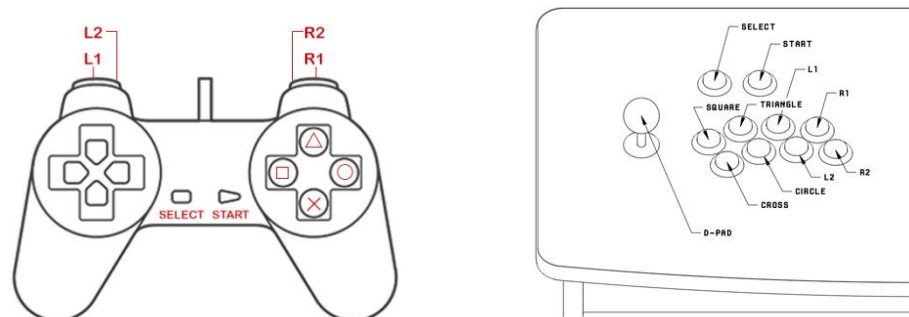
Directional Pad (D-PAD) = Joystick control
 X, Y, Z, A, B, C = Buttons 1, 2, 3, 5, 6 & 7
 START = Player START

3. The **Super Nintendo Entertainment System** had a Four-button controller (Y, X, B, A), two shoulder bumper buttons (LB, RB), a SELECT & START button, and an UP/DOWN/LEFT/RIGHT directional pad, as shown below. The corresponding button configuration for this system on your arcade is:



Directional Pad (D-PAD) = Joystick control
 Y, X, B, A = Buttons 1, 2, 5, 6
 LB, RB = Buttons 3, 4
 SELECT, START = Player COIN, START

4. And lastly, the **Sony PlayStation** had a Four-button controller (SQUARE, TRIANGLE, CROSS, CIRCLE), four shoulder bumper buttons (L1, L2, R1, R2), a SELECT & START button, and an UP/DOWN/LEFT/RIGHT directional pad, as shown below. The corresponding button configuration for this system on your arcade is:



Directional Pad (D-PAD) = Joystick control
 SQUARE, TRIANGLE, CROSS, CIRCLE = Buttons 1, 2, 5, 6
 L1, R1, L2, R2 = Buttons 3, 4, 7, 8
 SELECT, START = Player COIN, START

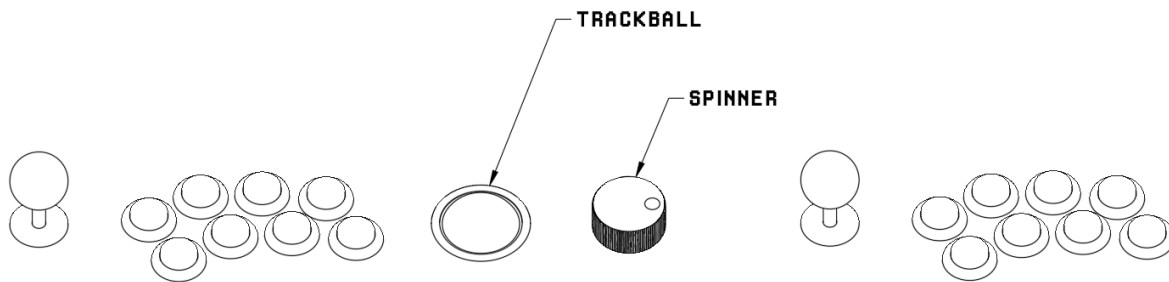
Using the arcades control surface with console and handheld titles might seem unfamiliar initially. It'll take some time getting used to. But rest assured; we've prioritized creating intuitive control schemes to make your gaming experience as easy and Frustration-Free as possible. In the rare case you find yourself grappling with the controls, remember this:

WHEN IN DOUBT, JUST PRESS BUTTONS!

2.5 TRACKBALL & SPINNER

If your arcade is equipped with a **trackball** and/or a **spinner**, you'll find additional titles in the **ARCADE CLASSICS** section that are compatible with these controls. Some examples include CENTIPEDE, MISSILE COMMAND, ARKANOID, TERMINATOR 2 ARCADE, GOLDEN TEE, and others.

Please note that the **trackball** and **spinner** can only be used during gameplay in compatible games. They will not function while browsing menus or in other available systems which games do not support these types of arcade-specific controls.



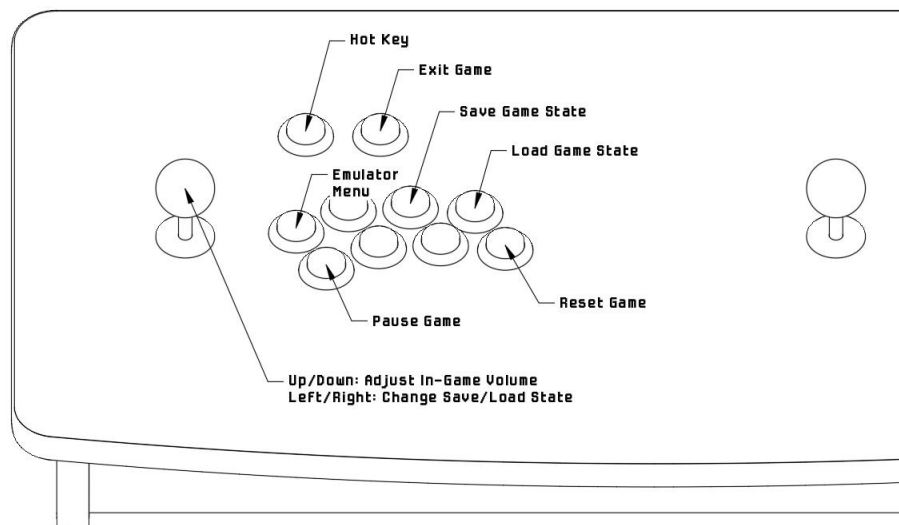
2.6 HOTKEYS

Once a game is launched, you'll have access to additional in-game controls and features, such as saving/loading game sessions, reset, and exiting games.

Before utilizing any of the **HOTKEY** commands, you will need to first **press** and **hold** the **HOTKEY** button, then press any of the following **HOTKEY** commands. Once a **HOTKEY** command is executed, you may then let go of the **HOTKEY** button.

While **IN-GAME**:

Please use the following control diagram on Player 1's controls station while in-game **ONLY**



- To exit a game (return to menu), hold **HOTKEY**, then press **EXIT GAME**
- To save a game session, hold **HOTKEY**, then press **SAVE GAME STATE**
- To load a saved game session, hold **HOTKEY**, then press **LOAD GAME STATE**
- Multiple saves per game can be accomplished by saving game sessions to a different save state slot. To change the current save/load slot, hold **HOTKEY**, then press **LEFT/RIGHT JOYSTICK**
- Some games may emulate the volume of games differently than others. To change the emulated sound level, hold **HOTKEY**, then move **UP/DOWN JOYSTICK**
- To reset a game, hold **HOTKEY**, then press **RESET GAME**
- To pause a game, hold **HOTKEY**, then press **PAUSE GAME**

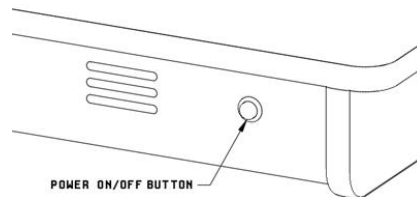
IMPORTANT: Most console and handheld games utilized their controllers **START** button to pause the game. While you can use the pause **HOTKEY** combo in all titles, the described pause feature is primarily intended for use with Arcade titles. Since Arcade games lacked a regular pause button, this feature proves especially useful.

- To access the emulator menu, hold **HOTKEY**, then press **EMULATOR MENU**

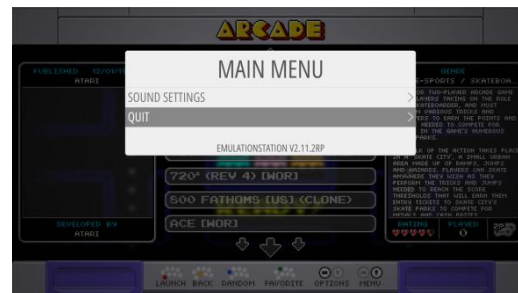
2.7 SHUTDOWN & RESTART

To ensure a proper shutdown for your arcade, you have two convenient options.

1. Press the power button located on the rear of your arcade cabinet. This user-friendly approach allows you to shut down your arcade for its next use, even if you're in the midst of a game.



2. Alternatively, while in the **SYSTEM SELECTION MENU**, press the illustrated **MENU ACCESS** button (referenced in section 1.4).



3. Navigate to **QUIT**, where you can choose between **RESTART SYSTEM** or **SHUTDOWN SYSTEM**.



After executing the **SHUTDOWN** command, your arcade's LED buttons will power off.

While the arcade is performing a shutdown or restart sequence, please refrain from using the controls on your arcade's control panel.

Please **never** attempt to turn off your arcade by disconnecting the power cable while the arcade is on and operational, as this action may lead to the corruption of crucial system files. Such corruption can result in the arcade becoming unresponsive or non-functional. If you experience a Frozen screen or unresponsive controls, please skip to the next section to learn more.

Errors caused by improper shutdown are not covered under warranty. Always use the designated shutdown methods provided to ensure the integrity of your system.

2.8 BACKGROUND MENU MUSIC

To enhance the fun of your arcade experience, we've incorporated some of the finest 16-bit audio tracks from classic retro video games. These tracks play automatically as you browse through your systems and games. They'll pause when launching a game and resume upon returning to the main menu.

If you prefer to temporarily disable these audio tracks during your time in front of the arcade or turn them off entirely, it is very simple to do so. While in the **SYSTEMS SELECTION MENU**, locate and select the system listing labeled **CONFIG**. Here, you'll find a set of options to customize your menu preferences. See below.

- **DISABLE BACKGROUND MUSIC ON STARTUP**: Disables all background music on startup.
- **ENABLE BACKGROUND MUSIC ON STARTUP**: Re-enables background music on startup.
- **START BACKGROUND MUSIC**: Re-enables background music, if stopped.
- **STOP BACKGROUND MUSIC**: Disables background music temporarily, if started.
- **DISABLE SCREENSAVER MUSIC**: Disables music while the screensaver is running.
- **ENABLE SCREENSAVER MUSIC**: Re-enables music while the screensaver is running.



2.9 FROZEN SCREENS & UNRESPONSIVE CONTROLS

As your arcade operates through software, you may encounter occasional instances of a Frozen screen. If your arcade appears unresponsive to inputs or hotkeys, **press the front-mounted power button**. This action initiates a safe-shutdown procedure, exiting any stalled or Frozen programs. Once the shutdown procedure concludes, wait 10 seconds then power on your arcade once more for normal use.

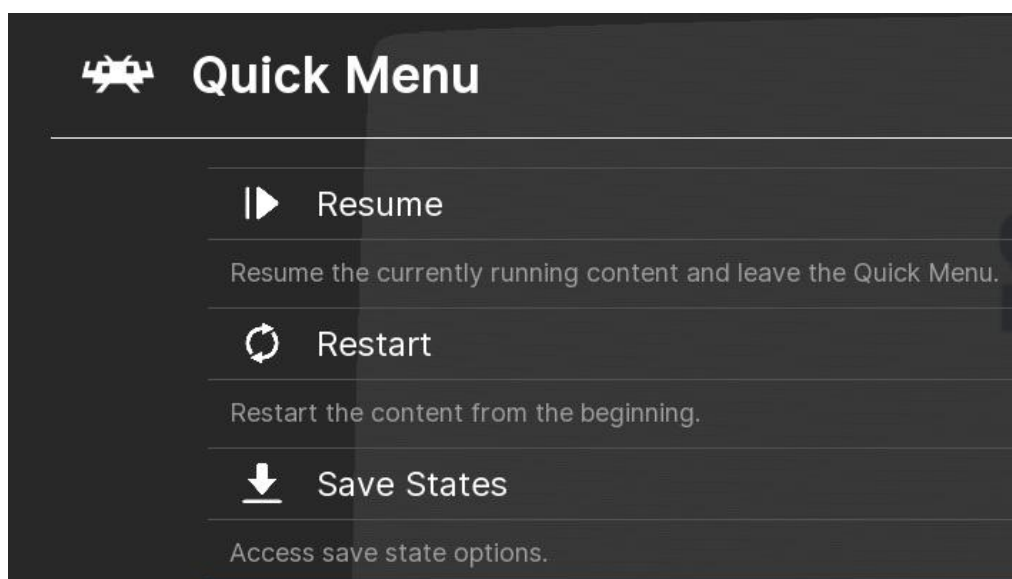
NEVER turn off your arcade by disconnecting power from the wall. Abruptly powering off your arcade via this method will lead to internal memory corruption, causing your arcade to not boot correctly and become unresponsive.

2.10 DISC SWAPPING

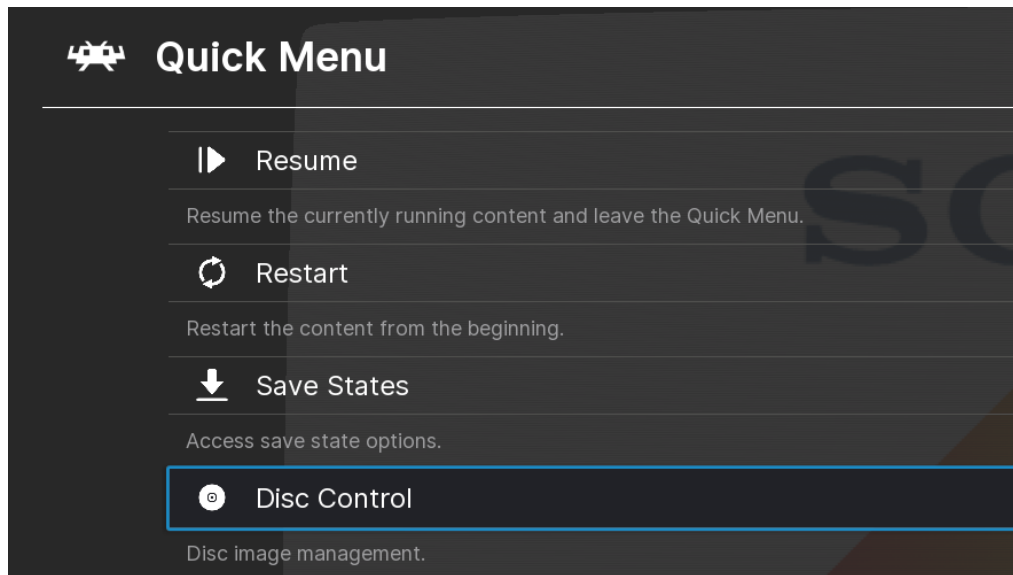
Certain PlayStation titles included with your arcade, such as Final Fantasy VII and Metal Gear Solid, span multiple discs. While browsing PlayStation titles, multi-disc games will have "**(MULTI-DISC)**" appended at the end of their title name. When playing a multi-disc game, you will reach a point where you'll be prompted to insert the next corresponding disc to continue gameplay.

If while playing these titles, please use the following steps to correctly change discs:

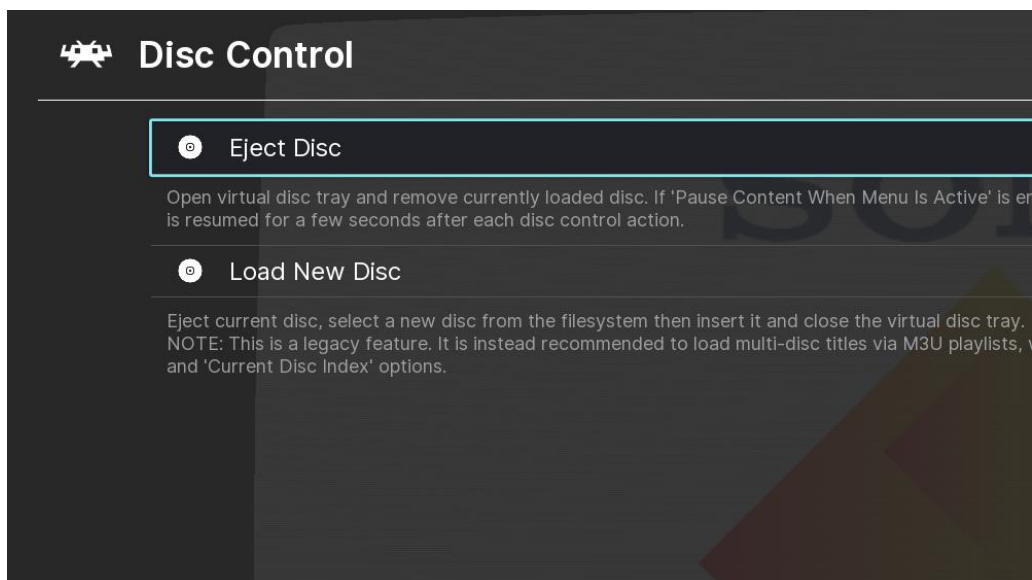
1. While in-game, press your **HOTKEY + EMULATOR MENU** button. You will be brought to the emulator **QUICK MENU** as shown below.



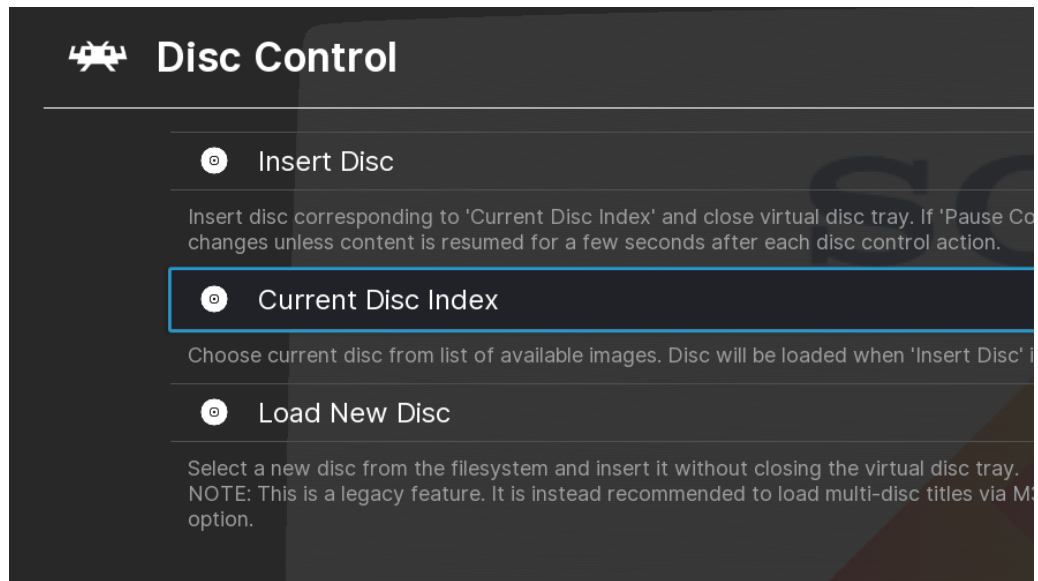
2. Use your joystick to navigate and select **DISC CONTROL**.



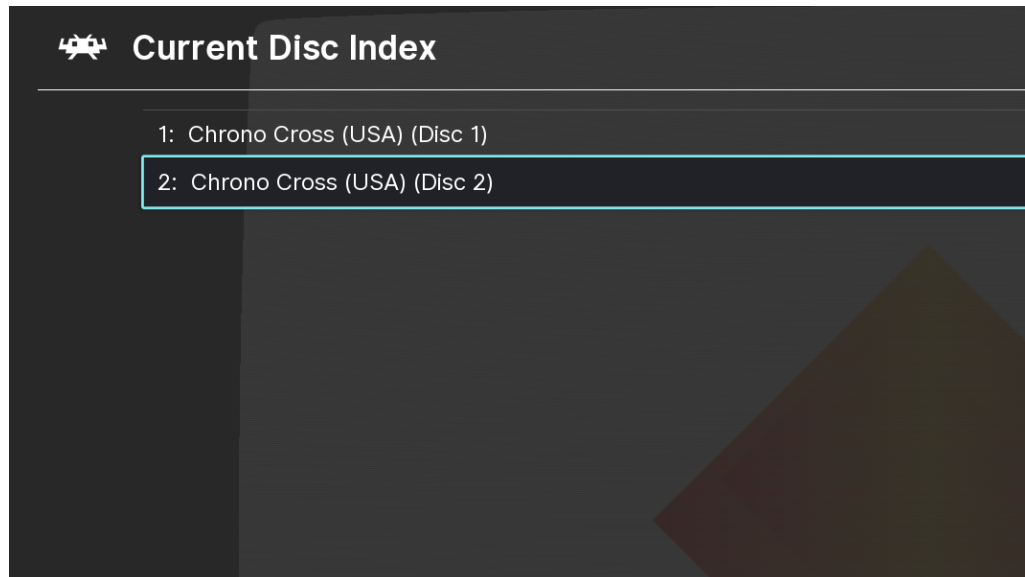
3. Select **EJECT DISC**.



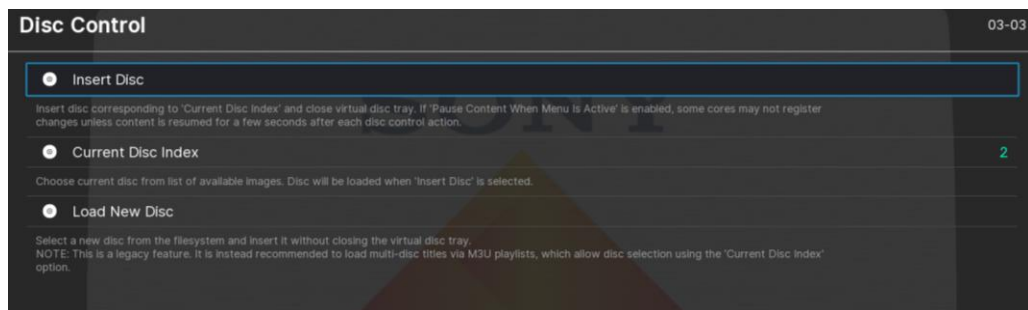
4. Select **CURRENT DISC INDEX**.



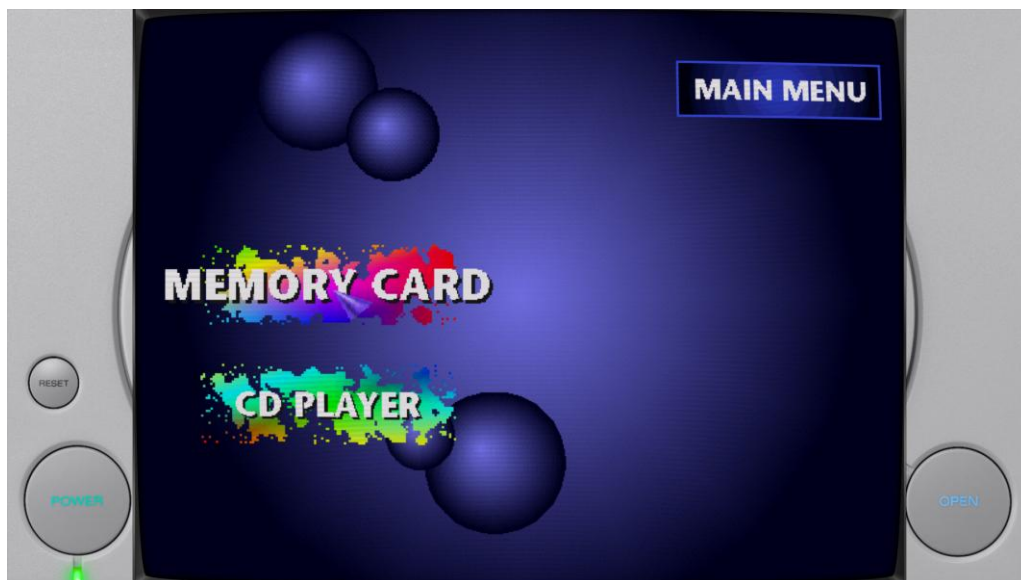
5. Within this index, you'll find all the available numbered discs for your selected title. Highlight and choose the appropriate disc number. In our example below, having completed **DISC 1** of **Chrono Cross**, we now need to select **DISC 2** to continue.



6. Double-check that the correct disc number is displayed to the right of the **CURRENT DISC INDEX** listing. Only when the correct disc is displayed/chosen, highlight and select **INSERT DISC**.



7. Once a disc has been swapped, you may be presented with the following screen below for a few moments while the next disc is loaded and read. Please be patient as your game will continue automatically without any input needed from you.



VIDEO SIZE, AUDIO/VIDEO SYNC & INPUT LAG

Since customers use a variety of TVs and monitors with different specs, Factory settings on your arcade are optimized for general compatibility, but some adjustments may be needed to work best with your display. This section provides guidelines to help you resolve any jitter, audio stutter, or input lag issues, ensuring a smooth arcade experience.

3.1 VIDEO SIZE

Your RETROCADE requires a 1080p-capable TV or projector. Using a display outside this specification may cause image cutoff, making it difficult to navigate menus or play games. If you experience screen cutoff, try lowering your display's output resolution or connect to a 1080p monitor.

3.2 VIDEO/AUDIO SYNC

For optimal performance, understanding sync settings and refresh rates can help reduce jitter or audio stutter. Refresh rate, measured in hertz (Hz), indicates how many times the image refreshes per second. While most games perform well on a standard 60Hz monitor, some titles may run smoother at 75Hz or higher.

- **Video Sync:** Synchronizes game graphics with the monitor's refresh rate. If the refresh rate is too low, you may see choppy visuals or screen tearing.
- **Audio Sync:** Ensures sounds occur at the right moments. If the refresh rate doesn't match, audio may stutter or lag behind visuals.

Recommendation: Use a display with a refresh rate of 75Hz or higher for minimal stutter and optimal video/audio sync.

3.3 INPUT LAG

Input lag is the delay between pressing a button and seeing the response on the screen. The RETROCADE uses a zero-delay button encoder to minimize lag, but some modern TVs apply extra processing that can slow response time. If you experience input lag, try the following adjustments:

- Set refresh rate to 60Hz if your TV displays at 120Hz, 240Hz or higher
- Enable your TV's "Game Mode."
- Turn off extra processing modes, such as dynamic contrast, edge enhancement, HDR, motion smoothing, and noise reduction.

Note: Consult your TV or projector manual for further details.

ROM & GAME DISCLAIMER

4.1 USAGE AND COPYRIGHT DISCLAIMER

All available game titles included on your arcade have been sourced from free-access game archival sites on the internet. These sites are dedicated to preserving retro and modern video game titles that are no longer in production and are unavailable in the primary market. Without these archival efforts, many of these game titles would be lost and forgotten.

By using and emulating ANY included title, you are explicitly agreeing to the following:

- You affirm that you personally own a license for any ROM/image included with your Simple Arcades, LLC arcade.
- You commit not to distribute any of these files illegally.
- You undertake not to attempt to profit from any of these files.
- You acknowledge having permission to download, install, and use ALL ROM and game image sets that your Simple Arcades, LLC arcade provides. Your usage and purchase of our items & services are strictly for the purpose of utilizing our unique custom products/hardware and for your personal digital backup purposes.

Furthermore:

- By utilizing our services, you explicitly acknowledge and instruct Simple Arcades, LLC to include all ROMs and images in good faith, on your behalf, with the understanding that you legally possess the right to obtain each included game.
- You further acknowledge that Simple Arcades, LLC cannot be held responsible for any user's illegal use of a ROM or image.

4.2 GAME COMPATIBILITY

From time to time, you may experience a game included with your arcade that does not operate as intended or not at all. With the vast number of titles included, Simple Arcades, LLC has not personally played through and tested each and every title available on your arcade to guarantee its proper function. Simple Arcades, LLC makes no warranty, express or implied, regarding the legality, accuracy, or completeness of the game files. You, the user, acknowledge that the game files are provided "as-is" and use them at your own risk.

LIMITED WARRANTY

5.1 WHAT IS COVERED?

The arcade system comes with preset controls for each gaming system, making it convenient for this limited warranty covers any defects in material or workmanship in your new arcade.

5.2 HOW LONG DOES COVERAGE LAST?

The warranty period for your product is six (6) months from the documented date of your item being delivered.

5.3 WHAT DOES THE LIMITED WARRANTY NOT COVER?

This limited warranty does not cover any problem that is caused by (a) commercial use, accident, abuse, neglect, shock, electrostatic discharge, degaussing, heat or humidity beyond product specifications, user, error, operation, maintenance or modification; or (b) any misuse contrary to the instructions in the user manual; or (c) lost passwords; or (d) malfunctions caused by other equipment. This limited warranty is void if a product (a) shows signs of alteration; or (b) shows signs of damage or tampering of any interior components (including the unauthorized removal of any component or external cover). This limited warranty does not cover data loss – back-up the contents of your system & ROM storage drive to a separate storage medium on a regular basis. Also, consequential damages; incidental damages; and costs related to data recovery, removal, and installation are not recoverable under this warranty. This limited warranty applies only to hardware products; software, media, and manuals are licensed (and warranted where applicable) pursuant to separate written agreement.

5.4 WHAT DO I HAVE TO DO?

We will not provide any warranty coverage unless your claim is in compliance with all terms of this limited warranty statement and you follow proper return procedure. To request warranty service please contact support@simple-arcades.com regarding your warranty claim. Once it is determined that a repair or replacement is required, you will be prompted for your name, address, phone number, e-mail and then issued a Return Order Number to use when returning product. Product you return to us must be properly packaged in its original packaging (or packaging providing the product with protection equivalent to the original packaging) and shipped, with the shipping charges to be paid by the person(s) returning the equipment. Product must have correctly labeled return address. It is recommended that product be shipped with insurance up to the dollar paid to assist with any loss sustained during the return shipping process.

5.5 WHAT WILL SIMPLE ARCADES DO?

If Simple Arcades deems your repair fit and authorizes you to return your product to us or an authorized service provider, Simple Arcades will repair or replace your product without charge with a functionally equivalent replacement product. Simple Arcades may replace your product with a product that was previously used, repaired and tested to meet our specifications. You are responsible for sending your unit back for inspection, however, Simple Arcades will pay to ship the replacement product to you. By sending product for repair or replacement, you agree to transfer ownership of the original product to Simple Arcades. Simple Arcades may not return your original product to you. Data recovery, advance replacement option, or other warranty-related offerings or service plans are not covered under this limited warranty and are not part of the covered repair or exchange process. Simple Arcades warrants that repaired or replaced products are covered for the greater of either the remainder of the original product warranty or 60 days.