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Game ROMs should be placed within the roms folder as configured in RetroArch. Many users sort their ROMs into subfolders named after the system which the ROMs belong to, which results in a folder arrangement such as: roms/ Atari - 2600/
                                                                                                                                                                                                                                                                                                                                                                                                     Atari Game 1.zip
                                                                                                                                                                                                                                                                                                                                                                                                                                          Atari Game 2.zip
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Atari Game 3.zip Nintendo - Nintendo
                                                                                                       32X Game 1.zip
                                                                                                                                          32X Game 2.zip etc. etc. This arrangement is not required and you are free to organize your ROMs as you prefer. Playlists (or Collections as they are sometimes referred to) are the lists of games and other content that can be generated automatically by
the RetroArch playlist scanner, generated by a third-party playlist utility or script, or edited by hand in a text editor. RetroArch Playlist Scanner RetroArch Playlist Scanner RetroArch incoporates a ROM scanning system to automatically produce playlists. Each ROM that is scanned by the playlist generator is checked against a database of ROMs that are known to be good
copies.In order for content to be correctly scanned, you must: Have a compatible core already downloaded and installed Updater Core Info Files via Online Updater Updater Updater Ore Info Files via Online Updater Updater Updater Ore Info Files via Online Updater 
a playlist, consider submitting an issue report on github. Designating which core to useRetroArch will attempt to detect and use the correct core for use with the ROMs that are used as part of a playlist. Under some circumstances, it may be useful to manually set a particular core for one of its playlists. This can be accomplished within the Playlists
submenu in the RetroArch settings. Each playlist is a plain text file with an extension of .lpl. RetroArch 1.7.5 and later uses a JSON playlist format. Note: The paths in playlist files need to use the correct 'slash' character for the user's platform. Linux, OS X, and
Android systems including Lakka and LudOS require forward slashes /, while Windows and DOS systems require backslashes \.Hint for Windows Users The built-in Notepad editor cannot work with cross-platform text files such as RetroArch playlist files. Many users and developers recommend the free Notepad++ as a replacement although most
alternative text editors will also work. JSON Playlist FormatThe following example is a single-entry MAME 2003-Plus playlist for Alien Arena -- the silent version of this game is available through the RetroArch Content Downloader found in the Online Updater menu. The playlist is named MAME 2003-Plus playlist for Alien Arena -- the silent version of this game is available through the RetroArch Content Downloader found in the Online Updater menu. The playlist for Alien Arena -- the silent version of this game is available through the RetroArch Content Downloader found in the Online Updater menu. The playlist for Alien Arena -- the silent version of this game is available through the RetroArch Content Downloader found in the Online Updater menu. The playlist for Alien Arena -- the silent version of this game is available through the RetroArch Content Downloader found in the Online Updater menu. The playlist for Alien Arena -- the silent version of this game is available through the RetroArch Content Downloader found in the Online Updater menu. The playlist for Alien Arena -- the silent version of this game is available through the RetroArch Content Downloader found in the Online Updater menu. The playlist for Alien Arena -- the silent version of this game is a single-entry MAME 2003-Plus Indiana -- the silent version of the
for that core's playlists in the RetroArch assets pack and display it for the playlist for menu drivers that implement playlist icons. The Alien Arena romset is located at C:\retroarch\downloads\alienar.zip; note that the backslashes are doubled in JSON-formatted playlist entries so that the value of the path entry is
C:\retroarch\\downloads\\alienar.zip.MAME 2003-Plus.lpl { "version": "1.0", "items": [ { "path": "C:\retroarch\\downloads\\alienar.zip", "label": "Alien Arena", "core path": "DETECT", "core name": "DETECT", "db name": "MAME 2003-Plus.lpl" } ] } Alert You can omit the CRC or Serial for a
manualy created playlist entry by using the word DETECT instead, although it may limit your ability to use netplay for this playlist format is deprecated and may not always be supported by RetroArch in the future. New playlists should be created in the JSON format. Each entry in a
playlist must be composed of 6 lines:MAME 2003-Plus.lpl C:\retroarch\downloads\alienar.zip" Alien Arena /tmp/cores/mame2003_plus_libretro.so DETECT 01ACE2AB|crc MAME 2003-Plus.lpl The path to the ROM. This can either be an 'absolute' path or a path relative to the current working directory. The display name (you can use any name
here) The path to the core, this libretro core will be used to launch the ROM. You can use the word DETECT in place of the core path here. Once this is done you can set the core to be used for this playlist via the RetroArch GUI. The displayname of the core, not really useful, we keep it there because the history list is also using this format.
or Serial number for database and other matching purposes. You can omit the CRC or Serial for a manualy created playlist entry by using the word DETECT here instead, although it may limit your ability to use Netplay for this playlist entry. The name of this playlist, ending in the extension .lpl RetroArch can display three types of thumbnails for
games in playlists, depending on the specific RetroArch menu driver in use: In-game snapshots Boxart RetroArch thumbnail packs are recommended for most users and can be installed connecting to the internet
and using the built-in thumbnails updater, available from the online update menu within the RetroArch settings interface. These packs can be downloaded from thumbnails updater, available from thumbnails can do so by naming PNG image files according to
the RetroArch naming convention. Thumbnail paths and filenames Thumbnails should be stored in subfolders within the configured RetroArch thumbnails directory within a subfolder named exactly the same as the playlist, except without .lpl at the end. Example: If your playlist is named Atari - 2600.lpl, then your Atari 2600 root thumbnail folder
should be called thumbnails/Atari - 2600, Within this root thumbnail folder called Atari - 2600, you should then create subfolders named Named Boxarts, Named Snaps, or Named Titles for boxart/cover art, in-game snapshots, and title screens, respectively. The thumbnail filename should exactly match the game's title as listed in the playlist with an
important exception. The following characters in playlist titles must be replaced with in the corresponding thumbnails, then its thumbnails should be named Q bert's Qubes.png and stored at these paths: thumbnails/
                                                                                                                                                                                                  Q_bert's Qubes.png Regardless of whether you download the RetroArch thumbnail packs or use your own custom thumbnails, you can use the RetroArch GUI to set which type of thumbnail to display. In order to change this
                                                                                                           Q bert's Qubes.png
                                                                                                                                                         Named Titles/
                   Q bert's Qubes.png
                                                                Named Snaps/
 setting, go to Menu Settings, and change the Thumbnails option to reflect the type of thumbnail you wish to display. Share — copy and redistribute the material in any medium or format for any purpose, even commercially. Adapt — remix, transform, and build upon the material for any purpose, even commercially. The licensor cannot revoke these
freedoms as long as you follow the license terms. Attribution — You must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the license renderses you or your use. ShareAlike — If you remix, transform, or build upon the material, you
must distribute your contributions under the same license as the original. No additional restrict others from doing anything the license permits. You do not have to comply with the license for elements of the material in the public domain or where your use is permitted
by an applicable exception or limitation. No warranties are given. The license may not give you all of the permissions necessary for your intended use. For example, other rights such as publicity, privacy, or moral rights may limit how you use the material. Reddit and its partners use cookies and similar technologies to provide you with a better
experience. By accepting all cookies, you agree to our use of cookies to deliver and maintain our services and site, improve the quality of Reddit, personalize Reddit content and advertising, and measure the effectiveness of advertising. By rejecting non-essential cookies, Reddit may still use certain cookies to ensure the proper functionality of our
Atari Game 3.zip Nintendo - Ninte
                                                                                      Atari Game 2.zip
Collections as they are sometimes referred to) are the lists of games and other content that can be generated by a third-party playlist scanner, generated by a third-party playlist scanner.
Each ROM that is scanned by the playlist generator is checked against a database of ROMs that are known to be good copies. In order for content to be correctly scanned, you must: Have a compatible core already downloaded and installed Update Core Info Files via Online Updater Updater Restart RetroArch if
any of the above was just done Finally, If those conditions are met but content is still not being added automatically to a playlist, consider submitting an issue report on github. Designating which core to use RetroArch will attempt to detect and use the correct core for use with the ROMs that are used as part of a playlist. Under some circumstances, it
may be useful to manually set a particular core for one of its playlists. This can be accomplished within the Playlists submenu in the RetroArch 1.7.5 and later uses a JSON playlist format, although the backwards compatibilty remains for the deprecated "6-Line" playlist
format.Note: The paths in playlist files need to use the correct 'slash' character for the user's platform. Linux, OS X, and Android systems including Lakka and LudOS require forward slashes /, while Windows and DOS systems require backslashes \.Hint for Windows Users The built-in Notepad editor cannot work with cross-platform text files such as
RetroArch playlist files. Many users and developers recommend the free Notepad++ as a replacement although most alternative text editors will also work. JSON Playlist for Alien Arena -- the silent version of this game is available through the RetroArch Content Downloader
found in the Online Updater menu. The playlist is named MAME 2003-Plus.lpl which means it will match the existing icon for that core's playlists in the RetroArch assets pack and display it for menu drivers that implement playlist icons. The Alien Arena romset is located at C:\retroarch\downloads\alienar.zip; note that the backslashes
are doubled in JSON-formatted playlist entries so that the value of the path entry is C:\\retroarch\\downloads\\alienar.zip.", "label": "Alien Arena", "core_path": "DETECT", "core_name": "DETECT", "crc32": "01ACE2AB|crc",
"db name": "MAME 2003-Plus.lpl" } ] } Alert You can omit the CRC or Serial for a manualy created playlist entry by using the word DETECT instead, although it may limit your ability to use netplay for this playlist entry by RetroArch
in the future. New playlists should be created in the JSON format. Each entry in a playlist must be composed of 6 lines: MAME 2003-Plus.lpl  
The path to the ROM. This can either be an 'absolute' path or a path
relative to the current working directory. The display name (you can use any name here) The path to the core, this libretro core will be used to launch the ROM. You can use the word DETECT in place of the core path here. Once this is done you can set the core to be used for this playlist via the RetroArch GUI. The displayname of the core, not
really useful, we keep it there because the history list is also using this format CRC or Serial number for database and other matching purposes. You can omit the CRC or Serial for a manualy created playlist entry by using the word DETECT here instead, although it may limit your ability to use Netplay for this playlist entry. The name of this
playlist, ending in the extension .lpl RetroArch menu driver in use: In-game snapshots Title screen snapshots Boxart RetroArch thumbnail packs RetroArch provides packs of thumbnails suitable for use with many emulated systems. These
thumbnail packs are recommended for most users and can be installed connecting to the internet and using the built-in thumbnails updater, available from the online update menu within the RetroArch settings interface. These packs can be downloaded from
thumbnails Users who wish to use their own thumbnails can do so by naming PNG image files according to the RetroArch naming convention. Thumbnails directory within a subfolder named exactly the same as the playlist, except without .lpl at
the end. Example: If your playlist is named Atari - 2600.lpl, then your Atari 2600 root thumbnail folder should be called thumbnail folder should then create subfolders named Named Boxarts, Named Snaps, or Named Titles for boxart/cover art, in-game snapshots, and title screens,
respectively. The thumbnail filename should exactly match the game's title as listed in the playlist with an important exception. The following characters in playlist titles must be replaced with in the corresponding thumbnail filename: &*/:`?\|Example: If your content is named Q*bert's Qubes in the playlist, then its thumbnails should be named
                                                                                                                                                                                         Q bert's Qubes.png
                                                                                                                                                                                                                                                                                                                                                                        Q bert's Qubes.png Regardless of whether you download the RetroArch thumbnail packs or use your own custom
Q bert's Qubes.png and stored at these paths: thumbnails/
                                                                                                       Atari - 2600/
                                                                                                                                            Named Boxarts/
                                                                                                                                                                                                                                      Named Snaps/
                                                                                                                                                                                                                                                                                Q bert's Qubes.png
                                                                                                                                                                                                                                                                                                                              Named Titles/
thumbnails, you can use the RetroArch GUI to set which type of thumbnail to display. In order to change this setting, go to Menu Settings, and change the Thumbnails option to reflect the type of thumbnail you wish to display. Reddit and its partners use cookies and similar technologies to provide you with a better experience. By accepting all cookies,
you agree to our use of cookies to deliver and maintain our services and site, improve the quality of Reddit, personalize Reddit content and advertising, and measure the effectiveness of advertising. By rejecting non-essential cookies to deliver and maintain our services and site, improve the quality of Reddit, personalize Reddit content and advertising.
see our Cookie Notice and our Privacy Policy. RetroArch is the reference frontend for the libretro API. Popular examples of implementations for this API includes video game system emulators and game engines as well as more generalized 3D programs. These programs are instantiated as dynamic libraries. We refer to these as "libretro cores".
libretro is an API that exposes generic audio/video/input callbacks. A frontend for libretro core written in portable C or C++ can run seamlessly on many platforms with very little to no porting effort. While RetroArch is the reference frontend for libretro
several other projects have used the libretro interface to include support for emulators and/or game engines. libretro is completely open and free for anyone to use. libretro is completely open and free for anyone to use. libretro is completely open and free for anyone to use. libretro is completely open and free for anyone to use. libretro is completely open and free for anyone to use.
to be very portable and features a gamepad-centric and touchscreen UI. It also has a full-featured command-line interface. In some areas, RetroArch goes beyond and emphasizes on not-so-common technical features such as multi-pass shader support, real-time rewind (Braid-style), video recording (using FFmpeg), run-ahead input latency removal,
 etc. RetroArch also emphasizes being easy to integrate into various launcher frontends. RetroArch has been ported to the following platforms: Android (2.x to most recent version) Apple iOS Apple macOS (PPC, x86-32 and x86-64) Apple tvOS Blackberry DOS Emscripten (WebAssembly and JavaScript) FreeBSD Haiku Linux Original Microsoft Xbox
 Microsoft Xbox 360 (Libxenon/XeXDK) Microsoft Xbox One Microsoft Xbox 
 ports have their own dependencies, but generally do not require anything other than what the respective SDKs provide. Your videocard needs to at least support the OpenGL 1.1 spec. Shaders: N/A Menu driver support: MaterialUI, XMB, Ozone and RGUI should all work correctly. XMB won't have shader pipeline effects because of the aforementioned
 lack of shader support. Your videocard needs to at least support the OpenGL 2.1 spec. Shaders: You can choose between either NVIDIA Cg shaders (deprecated, requires separate runtime to be installed on your system), or GLSL shaders. Menu driver support: MaterialUI, XMB, Ozone and RGUI should all work correctly. Your videocard needs to at
least support the OpenGL 3.2 core feature spec. Shaders: You will be able to use modern Slang shaders with this driver. Menu driver support the Direct3D11 11.0 spec. The card also needs to support at least the Shader Model 4.0. Shaders: You will
be able to use modern Slang shaders with this driver. Menu driver support: MaterialUI, XMB, Ozone and RGUI should all work correctly. Your videocard needs to at least support: MaterialUI, XMB, Ozone and RGUI should all work correctly.
correctly. The default configuration is defined in config.def.h. It is not recommended to change this unless you know what you're doing. These can later be tweaked by using a config file. A sample configuration file is installed to /etc/retroarch.cfg. This is the system-wide config file. RetroArch will on startup create a config file in
 $XDG\ CONFIG\ HOME/retroarch.cfg if it does not exist. Users only need to configure a certain option if the desired value deviates from the value defined in configure for compiling and installing RetroArch can be found in the
 Libretro/RetroArch Documentation Center. CRT SwitchRes enable RetroArch will start in 2560 x 480 @ 60. If you are running Windows, before enabling the CRT SwitchRes options please make sure you have installed CRTEmudriver and installed
 some modelines. The minimum modelines for all games to switch correctly are: 2560 \times 192 \otimes 60.000000 \times 2560 \times 256 \otimes 50.000000 \times 2560 \times 254 \otimes 55.000000 \times 2560 \times 248 \otimes 60.000000 \times 2560 \times 256 \otimes 50.000000 \times 2560 \times 256 \otimes 50.000000 \times 2560 \times 256 \otimes 50.000000 \times 2560 \times 2560 \times 2560 \times 256 \otimes 50.000000 \times 2560 
 with your desired super resolution. The above resolution. The above resolutions are NTSC only so if you would be playing any PAL content please add PAL modelines: 2560 x 224 @ 50.000000 2560 x 288 @ 50.000000 2560 x 237 @ 50.000000 2560 x 254 @ 55.000000 2560 x 448 @ 50.000000
2560 x 480 @ 50.000000 Some games will require higher PAL resolutions which should also be installed: 2560 x 576 @ 50.000000 Ideally install all these modelines and everything will work great. The default super resolution is 2560. It is displayed just under the CRT switch option, which can be found in video settings. This
 SNESpal 512 x 240 @ 50.006977 SNESpal 512 x 240 @ 60.098812 SNESntsc 512 x 244 @ 60.098812 SNESntsc 512 x 240 @ 60.098812 SN
 320 \times 240 @ 59.922745 MDntsc 320 \times 448 @ 59.922745 MDntsc 320 \times 480 @ 49.701458 MDpal 320 \times 240 @ 49.701458 M
256 x 288 @ 49.701458 MSYSpal 256 x 240 @ 60.098812 NESntsc 256 x 240 @ 60.130001 N64ntsc 640 x 288 @ 50.000000 N64pal 640 x 480 @ 60.130001 N64ntsc 640 x 288 @ 50.000000 N64pal 640 x 288 @ 50.000000 N64pal 640 x 270 @ 60.130001 N64ntsc 640 x 288 @ 50.000000 N64pal 640 x 288 @ 50.0000000 N64pal 640 x 288 @ 50.0000000 N64pal 640 x 288 @ 50.000000 N64pal 640 x 288 @ 50.0000000 N64pal 640 x 288 @ 50.00000000 N64pal 640 x 288 @ 50.00000
PSXpal 384 x 252 @ 49.759998 PSXpal 640 x 252 @ 49.759998 PSXpal 640 x 540 @ 59.820000 Saturn/TSCi 704 x 480 @ 59.820000 Saturn/TSCi 352 x 280 @ 59.820000 Saturn/TSCi 704 x 480 @ 59.820000 Saturn/TSCi 352 x 280 @ 59.820000 Saturn/TSCi 704 x 480 @ 59.820000 Saturn/TSCi 704 x 480 @ 59.820000 Saturn/TSCi 352 x 280 @ 59.820000 Saturn/TSCi 704 x 480 @ 59.820000 Saturn/TSCi 704 x 240 @ 59.820000 Saturn/TSCi 704 x 240 @ 59.820000 Saturn/TSCi 704 x 240 @ 59.820000 Saturn/TSCi 704 x 480 @ 59.820000 Saturn/TSCi 704 x 240 @ 59.820000 Saturn/TSCi 704 x 240
 resolution within this resolution. Meaning that the MAME game will look just like the original hardware. MAME ROMs that run in a vertical aspect like DoDonPachi need to be rotated within MAME game will run in your desktop resolution
 Once you have rotated any games that may need it turn CRT SwitchRes on. The links below belong to our official channels. Links other than this may have been created by fans, independent members or followers. We seriously recommend using our original resources. Page 2 You can't perform that action at this time. RetroArch, a popular front-end
 they remain beloved by gamers of all ages. RetroArch offers a wide range of classic games, including Super Mario Bros., The Legend of Zelda, Sonic the Hedgehog, Street Fighter II, and Castlevania. These games have been meticulously emulated to provide an authentic retro gaming experience. RetroArch's user-friendly interface and customizable
controls make it easy to play classic games on modern devices. The platform's vast library and community-driven development ensure that new games and features are constantly being added. RetroArch is available on multiple platforms, including Windows, macOS, Linux, Android, and iOS, making it accessible to a wide range of users. Super Mario
 Bros. (NES) Released in 1985 for the Nintendo Entertainment System (NES), Super Mario and his brother Luigi as they navigate through the Mushroom Kingdom to rescue Princess Peach from the clutches of Bowser. With its tight controls, charming
graphics, and addictive gameplay, Super Mario Bros. set the standard for platformers and remains a beloved classic among gamers. On RetroArch, players can experience the original game with precise emulation, complete with the nostalgic charm of the NES. Gameplay and Features Super Mario Bros. features 32 levels, each with its unique
challenges and obstacles. Players must navigate through underground tunnels, castles, and forests, while avoiding enemies like Goombas and Koopa Troopas. The game areas and defeat enemies with ease. With RetroArch's
customizable controls, players can enjoy the game with a modern twist, using their preferred controller or keyboard layout. The Legend of Zelda (NES) Another iconic game from the evil Ganon. Released in
1986, this game introduced many innovative features, such as a open-world environment, puzzles, and a variety of items to collect. On RetroArch, players can experience the original game with its challenging gameplay, cryptic puzzles, and memorable soundtrack. Gameplay and Features The Legend of Zelda features a vast open world, complete with
 forests, mountains, and dungeons to explore. Players must gather items, such as the boomerang and bombs, to overcome obstacles and defeat enemies. The gameylay, making it a true classic among gamers. With RetroArch's save state feature
 players can save their progress at any point, allowing them to experiment with different strategies and approaches. Sonic the Hedgehog (Genesis) Released in 1991 for the Sega Genesis, Sonic the Hedgehog is a platformer that revolutionized the genre with its fast-paced gameplay and colorful graphics. This game follows the adventures of Sonic, a
 blue hedgehog with super speed, as he attempts to stop the evil Dr. Eggman from taking over the world. With its smooth controls, catchy music, and challenging level design, Sonic the Hedgehog remains a beloved classic among gamers. On RetroArch, players can experience the original game with its precise emulation, complete with the nostalgic among gamers.
 charm of the Genesis. Gameplay and Features Sonic the Hedgehog features six zones, each with its unique challenges and obstacles. Players must navigate through loops, tunnels, and strategic layer to the gameplay, allowing players to
 access new areas and defeat enemies with ease. With RetroArch's customizable controls, players can enjoy the game with a modern twist, using their preferred controller or keyboard layout. Street Fighter II (Arcade) Released in 1991, Street Fighter II is a fighting game that revolutionized the genre with its unique characters, special moves, and
competitive gameplay. This game follows the adventures of Ryu, Ken, and other fighters as they compete in a global tournament to become the world's greatest fighter. With its tight controls, balanced gameplay, and iconic characters, Street Fighter II remains a beloved classic among gamers. On RetroArch, players can experience the original game
 with its precise emulation, complete with the nostalgic charm of the arcade. Gameplay and Features Street Fighter II features eight playable characters, each with its unique special moves and abilities. Players must master the game's complete
 with ranked matches and high scores, adds a layer of depth to the gameplay, making it a true classic among gamers. With RetroArch's online multiplayer feature, players can compete against each other, reliving the nostalgic experience of playing Street Fighter II in the arcade. Castlevania (NES) Released in 1986 for the NES, Castlevania is an
 action-platformer game that follows the adventures of Simon Belmont as he attempts to defeat the evil Count Dracula. With its challenging gameplay, atmospheric soundtrack, and Gothic graphics, Castlevania remains a beloved classic among gamers. On RetroArch, players can experience the original game with its precise emulation, complete with
the nostalgic charm of the NES. Gameplay and Features castlevania features six stages, each with its unique challenges and obstacles. Players must navigate through castles, forests, and ruins, while avoiding enemies like bats and ghosts. The gamer's power-ups, such as the whip and holy water, add a strategic layer to the gameplay, allowing players
to access new areas and defeat enemies with ease. With RetroArch's save state feature, players can save their progress at any point, allowing players to run classic games on modern devices. It works by emulating the original hardware of the
consoles, providing a precise and authentic gaming experience. RetroArch offers a wide range of classic games, including platformers, action-adventure games, fighting games, and more. The platform's library includes games from iconic consoles like the NES, SNES, Genesis, and arcade machines are the platformers, action-adventure games, fighting games, fighting games, and more. The platform's library includes games from iconic consoles like the NES, SNES, Genesis, and arcade machines.
 install the software on your device. The system requirements vary depending on the platform, but generally, a modern computer or mobile device with a decent processor and RAM is required. Players can then download and install the desired cores and games, and start playing. In conclusion, RetroArch offers a unique and authentic retro gaming
experience, with its precise emulation, customizable controls, and vast library of classic games. The five games highlighted in this article, Super Mario Bros., The Legend of Zelda, Sonic the Hedgehog, Street Fighter II, and Castlevania, are just a few examples of the many iconic games available on the platform. With its user-friendly interface, online
 multiplayer feature, and community-driven development, RetroArch is the perfect platform for retro gaming enthusiasts to relive their childhood memories and discover new classic games. Whether
you're a seasoned gamer looking to revisit your favorite childhood titles or a curious newcomer eager to explore the rich history of gaming, Retroarch is the perfect platform for you. Unlike traditional gaming consoles that are limited to playing games designed for specific hardware, Retroarch offers a wide range of emulators that enable you to play
games from various systems, including NES, SNES, Game Boy, Sega Genesis, and more, all on a single device. With its user-friendly interface and extensive library of games, Retroarch? In this guide, we'll walk you through the step-by-step process of
 downloading and setting up Retroarch on your device, as well as how to download and play games using Retroarch. By the end of this tutorial, you'll be ready to embark on a journey down memory lane and enjoy countless hours of retro gaming fun. So, grab your controller, dust off your favorite games, and let's get started with Retroarch! Step 1:
 Download Retroarch The first step in enjoying the world of retro gaming with Retroarch is to download the emulator itself. Follow these simple instructions to get started: Open your preferred web browser and navigate to the official Retroarch website. On the website's homepage, locate the "Downloads" section. Choose your operating system from
 the available options, such as Windows, Mac, or Linux. Click on the download link corresponding to your chosen operating system. Wait for the download is finished, you're ready to move on to the next step and install Retroarch on your device
Remember to choose the appropriate version that matches your operating system to ensure commended to ensure you have the latest stable version and minimize the risk of downloading potentially harmful or modified versions from unreliable sources. Additionally, the official
 website provides comprehensive documentation and support for any troubleshooting you may encounter along the way. Now that you have downloaded the Retroarch emulator, it's time to install it on your device. Step 2: Install Retroarch Now that you have downloaded the Retroarch emulator, it's time to install it on your device.
your device. Follow these instructions to install Retroarch: Locate the Retroarch installer file to begin the installation process. Follow the on-screen prompts and select your preferred installation options. Choose the destination folder where you want to install Retroarch on
 your device. Click "Install" to start the installation process. Wait for the installation to complete. The duration may vary depending on the speed of your device. Once the installation is finished, Retroarch will be ready to launch on your device. Take a moment to ensure that all the necessary files and components have been successfully installed.
 During the installation process, you may be prompted to choose additional options, such as language preferences or the creation of desktop shortcuts. Feel free to customize these settings according to your preferences or the creation of desktop shortcuts.
 community of developers. To ensure you have the latest version of Retroarch, check for updates periodically or enable automatic updates if available in the settings. Now that you have Retroarch installed on your device, you're one step closer to reliving the glory days of classic gaming. In the next step, we'll guide you through the process of setting updates if available in the settings.
 Retroarch to optimize your gaming experience. Step 3: Set Up Retroarch After successfully installing Retroarch on your device, it's time to set it up to ensure optimal performance and usability. Follow these steps to get Retroarch on your device, it's time to set it up to ensure optimal performance and usability. Follow these steps to get Retroarch up and running: Launch the Retroarch application on your device. You can usually find it in your list of installed programs
or search for it in the application menu. When Retroarch opens, you'll be greeted with a welcome screen. Use the arrow keys or the on-screen navigation to navigate through the menu options. Once you reach the Main Menu, select "Settings" to access the Retroarch settings. In the Settings menu, you'll find various options to configure Retroarch to
your liking. Take some time to explore the settings and customize them according to your preferences. Some key settings to consider adjusting include the display resolution, audio settings and customize them according to your preferences. Some key settings to consider adjusted
the settings to your satisfaction, navigate back to the Main Menu. From the Main Menu, select "Load Content" and navigate to the folder on your device where you have successfully set up Retroarch and configured it to your
liking, you're ready to start downloading games to your Retroarch library. In the next step, we'll guide you through the process of downloading games and adding them to Retroarch library of retro games. Follow these steps to
download games for Retroarch: Before downloading games, make sure you understand the rules and regulations regarding game ROMs in your country. It is essential to only download games that you own the original physical copy of or have obtained legally. Search for websites that offer ROMs for the systems you want to emulate using your
preferred search engine. Visit reputable websites that are known for providing reliable and safe ROM downloads. Some popular websites include EmuParadise, CoolROM, and The Old Computer. Navigate through the websites include EmuParadise, CoolROM, and The Old Computer. Navigate through the websites include EmuParadise, CoolROM, and The Old Computer. Navigate through the websites include EmuParadise, CoolROM, and The Old Computer. Navigate through the websites include EmuParadise, CoolROM, and The Old Computer. Navigate through the websites include EmuParadise, CoolROM, and The Old Computer. Navigate through the websites include EmuParadise, CoolROM, and The Old Computer. Navigate through the websites include EmuParadise, CoolROM, and The Old Computer. Navigate through the websites include EmuParadise, CoolROM, and The Old Computer. Navigate through the websites include EmuParadise, CoolROM, and The Old Computer. Navigate through the websites include EmuParadise, CoolROM, and The Old Computer. Navigate through the websites include EmuParadise, CoolROM, and The Old Computer. Navigate through the websites include EmuParadise, CoolROM, and The Old Computer. Navigate through the websites include EmuParadise, CoolROM, and The Old Computer. Navigate through the websites include EmuParadise, CoolROM, and The Old Computer. Navigate through the websites include EmuParadise, CoolROM, and the Old Computer through the websites include EmuParadise, CoolROM, and the Old Computer through the Websites through the W
or popularity. Check the user reviews and ratings for the game to ensure the download is of good quality and reliable. Once you find the game you want to download to complete. The speed of the download will depend on your internet connection and the size of the game file. It is important
to note that retro game ROMs are typically in the form of zipped files. Therefore, you may need to extract the game files using a file extraction tool like WinRAR or 7-Zip before proceeding to the next step, we will guide
you through the process of adding games to your Retroarch library. Step 5: Add Games to Retroarch library: Launch Retroarch library: Launch Retroarch on your device if it's not already open. From the
 Main Menu, select "Load Content." A new window will open, displaying your file directory. Use this window to navigate to the folder where you want to add to Retroarch will then load the game into the emulator. Repeat the process for all the games you want
to add to your Retroarch library. Once you've added the games, they will be visible in your Retroarch supports various file formats for game ROMs, including .zip, .sfc, .smc, .gba, and more. However, it's worth noting that some systems may require specific file formats or BIOS files to run properly. If you encounter any issues when
 adding games to Retroarch, double-check that you have downloaded a compatible ROM file and that it is placed in the correct directory. Additionally, consult Retroarch, you're now ready to relive the magic of retro
gaming. In the final step, we'll show you how to play your retro games on Retroarch on your device if it's not already open. From the
 Main Menu, select "Load Content." Navigate to the game you want to play and select it. Retroarch will load the game into the emulator. Once the game is loaded, you can use the controls on your device or connect a game controller to begin playing. Customize the game is loaded, you can use the game into the gam
 preferences. Enjoy playing your favorite retro games on Retroarch! Retroarch offers various features and options to enhance your gaming experience. From save states that let you resume your gaming preferences. Remember to explore
 Retroarch's settings and documentation to discover additional features and fine-tune your gaming experience. If you encounter any issues or need assistance, Now, with Retroarch set up and your retro games ready to be played, it's time to
retro games on a single platform. With its user-friendly interface, extensive compatibility, and customizable features, Retroarch is a fantastic emulator for rediscovering the joy of classic gaming. Remember to always download games from reputable sources and ensure that you have the legal rights to play them. Respecting copyright laws is crucial to
 support game developers and protect intellectual property. As you navigate through Retroarch, don't hesitate to explore its advanced settings and features. Experiment with different display options, controller configurations, and other enhancements to tailor your gaming experience to your liking. Retroarch's active community and forums are
 invaluable resources for troubleshooting, discovering new features, and connecting with fellow retro gaming enthusiasts. Whether you're reliving childhood memories or discovering classic games for the first time, Retroarch opens up a world of gaming possibilities. So grab your favorite controller, load up some retro games, and get ready for
countless hours of nostalgic fun. Thank you for following this guide. Happy gaming! RetroArch is intended to be easily controller which encompasses all input hardware that could be described by the terms joypad, gamepad, joystick, and others. What is a RetroPad?¶ RetroArch maps real-
 world controller inputs to a virtual controller called a RetroPad . A RetroPad resembles the common modern controller layout, and has: a D-pad 4 face buttons two shoulder buttons (L1, R1) two trigger buttons (L2, R2) dual analog sticks like a
Sony DualShock, which can also be used as a button (L3, R3). You don't have to map all of the RetroPad buttons to a real world buttons, that's perfectly fine. If your real controller has more buttons, the extra buttons may be used as
freely configurable hotkeys. Conceptually, all RetroPad buttons can behave as analog (pressure sensitive), but the hardware typically only supports this for the trigger buttons. Gyroscope, acceleration, and illumination sensors may be supported, very much depending on the driver and the core. Controller autoconfiguration Most well-known
controllers should work out of the box via the RetroArch autoconfiguration profile database. If the controller can be autoconfiguration profile database. If the autoconfiguration profile database a remappable set of bindings between a keyboard
and the RetroPad abstraction as well as between a keyboard and RetroArch's hotkeys, details are below. Cores with direct keyboard input¶ Please be aware that some cores, for example arcade emulator cores and vintage computer emulator cores and vintage computer emulator cores, for example arcade emulator cores, for example emulator example arcade emulator emulator emulator example emulator emulator emulator emulator emulator emulator
are using a core configured for direct keyboard access, it is recommended to use the Game Focus mode (default: Scroll Lock) to disable those bindings while using the keyboard device, or unbind the conflicting RetroArch keyboard device, or unbin
RetroArch hotkeys and the core will not get the input. Tip Controls with keyboard interfaces can also benefit from defining a Hotkey Enable button. If this hotkey is defined, other hotkeys will not be activated unless it is pressed. Manual RetroPad binding¶ If your gamepad is not recognized by autoconfiguration or if you would like to change its
RetroPad binding, use the Input settings menu. Navigate to Settings Navigate to RetroPad Binds Navigate to Port 1 Controls Select Set All Controls Press the buttons as required. Tip If you have several different controllers, do Save Controllers, do Save Controllers, do Save Controllers will be recognized next time automatically.
Controls for multi-player If you want to set-up local multi-player with games that support it: Navigate to Port 1 Controls Select Device Index Select which currently plugged-in controller will
be assigned to this player. After you finish, go back, select Port 2 Controls and repeat for user 2. In case of multiple controllers, RetroArch will assign them by default in the order they are presented by the operating system. For more customization, use the device reservation options to explicitly assign a controller to a player. Hotkeys are
combinations of buttons you can press in order to access options such as saving, loading, and exiting games. Hotkey binds can be configured at Settings - Input - Hotkeys. Tip To unbind (effectively, disable) a hotkey, press Del on your
keyboard or the Y button (the left one of the 4 buttons) on the RetroPad. To reset a hotkey to its default, press Space on your keyboard or the Start button on the RetroPad. Remapping controls for individual cores or content¶ Core Controls Remapping alters how the core receives input rather than how the gamepad is coded, for example you can tell
an individual core to switch button A and B on the RetroPad for gameplay, but you can still use "A" to select in the RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu and "B" to go back. This is opposed to changing the gamepad bindings in RetroArch menu 
controls for a single core or game: Start content with the core for which you want to remap controls Go to Quick Menu and then Controls Go to Quick Menu and the Control of Controls Go to Quick Menu and the Control of Controls Go to Quick Menu and the Control of 
bindings cheat sheet¶ Commands as of 2025-05-12 superimposed on US laptop keyboard. For most recent key bindings see the following sections. General controller mapping¶ These controls are valid both in-game and in the menu: User 1 Keyboard Default RetroPad Mapping Menu Action Move cursor down Move cursor left Move
cursor right Scroll one page up Scroll one page down Return to the previous screen Select Item Scan content / Remove highlighted input Bearch Help (see next section) While in the menu, there are additional navigation keys defined for convenience. Keyboard Input Retropad Input Menu Action Return to the previous screen Select Item (note:
Enter key is mapped to Select button in-game) Scan content / Remove highlighted input bind Search Reset to default Scroll to previous letter Scroll to next letter Scroll to next letter Scroll to bottom Analog sticks are also able to control the menu. If needed, additional hotkeys can be disabled in Settings - Input - Menu Controls, along with several other
customization options. Hotkey controls \( \Pi\) Hotkey controls \( \Pi\) Hotkey binds can be configured at Settings \( \to\) Input \( \to\) Hotkeys to a key, it will require that key to be held in order to trigger any hotkeys. This can be useful in avoiding keyboard mapping conflicts between RetroArch and cores cores that use the keyboard for input. Tip Hotkeys can
also be mapped to controller buttons. Keyboard Input In-Game Action Exit RetroArch Fast forward hold Pause Frame advance Slow motion Rewind Reset Menu toggle Fast forward hold Pause Frame advance Slow motion Rewind Reset Menu toggle Fast forward hold Pause Frame advance Slow motion Rewind Reset Menu toggle Fast forward hold Pause Frame advance Slow motion Rewind Reset Menu toggle Fast forward hold Pause Frame advance Slow motion Rewind Reset Menu toggle Fast forward hold Pause Frame advance Slow motion Rewind Reset Menu toggle Fast forward hold Pause Frame advance Slow motion Rewind Reset Menu toggle Fast forward hold Pause Frame advance Slow motion Rewind Reset Menu toggle Fast forward hold Pause Frame advance Slow motion Rewind Reset Menu toggle Fast forward hold Pause Frame advance Slow motion Rewind Reset Menu toggle Fast forward hold Pause Frame advance Slow motion Rewind Reset Menu toggle Fast forward hold Pause Frame advance Slow motion Rewind Reset Menu toggle Fast forward hold Pause Frame advance Slow motion Rewind Reset Menu toggle Fast forward hold Pause Frame advance Slow motion Rewind Reset Menu toggle Fast forward hold Pause Frame advance Slow motion Rewind Reset Menu toggle Fast forward hold Pause Frame advance Slow motion Rewind Reset Menu toggle Fast forward hold Pause Frame advance Frame advan
Fullscreen toggle Next shader Previous shader Netplay toggle Play/spectate Cheat toggle Next cheat Previous cheat Platform-specific controls Nintendo Switch USB keyboards and mice: All keyboards seem to work. Not all mice seem to work. Not all mice seem to work work of the seem to work
held down) *: hold one finger, short tap with another 2025-05-20 PX-68K is a Sharp X68000 emulator. This is a Japanese home computer from the late '80s/early '90s that was used by Capcom as devkits for their arcade games. It played host to many popular games from the late '80s/early '90s that was used by Capcom as devkits for their arcade games. It played host to many popular games from the late '80s/early '90s that was used by Capcom as devkits for their arcade games. It played host to many popular games from the late '80s/early '90s that was used by Capcom as devkits for their arcade games. It played host to many popular games from the late '80s/early '90s that was used by Capcom as devkits for their arcade games. It played host to many popular games from the late '80s/early '90s that was used by Capcom as devkits for their arcade games. It played host to many popular games from the late '80s/early '90s that was used by Capcom as devkits for their arcade games. It played host to many popular games from the late '80s/early '90s that was used by Capcom as devkits for their arcade games. It played host to many popular games from the late '80s/early '90s that was used by Capcom as devkits for their arcade games. It played host to many popular games from the late '80s/early '90s that was used by Capcom as devkits for their arcade games. It played host to many popular games from the late '80s/early '90s that was used by Capcom as devkits for their arcade games. It played host to many popular games from the late '80s/early '90s that was used by Capcom as devkits for their arcade games.
macOS, Linux, Android and iOS. For more information, read our article on this release here.
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