

CycloDS Evolution Reference Manual v1.1

<http://www.cyclopsds.com>

CycloDS Evolution is a multi-functional Micro SD adapter for NDS and NDS Lite (Slot 1) which allows you to play games, listen to MP3's, view images, read e-books and enjoy the vast collection of homebrew applications for NDS. You can also take advantage of the inbuilt cheat code functionality to enjoy more freedom with your favourite games.

Features

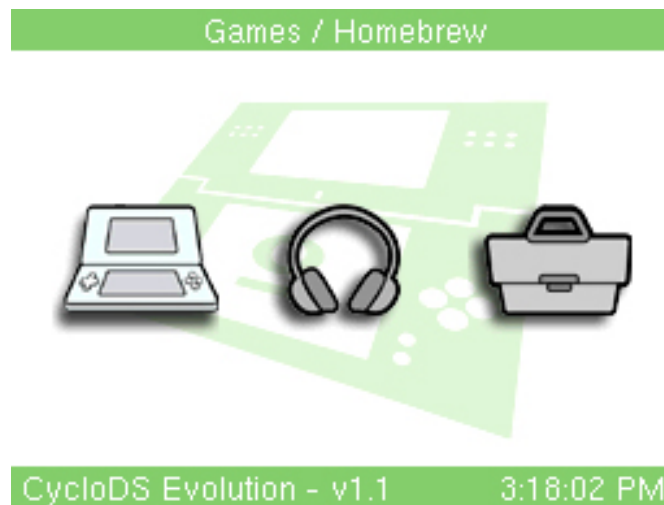
- Completely plug & play - no FlashMe, PassMe or PC software required
- 100% game compatibility, supports clean ROM's - works on any OS
- Full NDS download play support, including problem games such as Mario Kart DS
- Action Replay compatible cheat code engine, comes bundled with cheat codes for over 330 games!
- Uses MicroSD card, both FAT16 and FAT32 supported
- Supports the MicroSDHC specification, allowing for high capacity memory cards
- Save type is automatically detected, no need for a save type database
- Save directly to MicroSD rather than onboard flash
- User friendly, easily skinnable interface. Both touch screen and button operation supported
- Multi-lingual user interface
- "Enhanced Mode" which provides powerful, unique features during game play. Enhanced features are activated through an in-game menu. Enhanced mode features include:
 - Adjust LCD brightness during game play (NDSLite only)
 - SlowMotion mode which can be used to slow down game play to make fast paced action sequences easier to master
 - Return to CycloDS Evolution Menu (aka soft reset)
 - More features to come!
- Excellent homebrew compatibility thanks to the DLDI auto-patcher
- 2 megabytes of onboard flash memory which contains the CycloDS Evolution OS and will be utilised in the future to add exciting new features. A recovery mode is also included.
- Autoboot mode which when activated will directly boot into the last ROM or homebrew application executed
- Moonshell included to provide media playing functionality
- PassMe function (boot from slot 2)
- Supports rumble and memory expansions

Operation Guide

The CycloDS Evolution is preloaded with a custom OS. There is no need to load system files to a MicroSD card before running the device for the first time. Just load all your favourite games and applications to your MicroSD card, insert it into the CycloDS Evolution and then plug the CycloDS Evolution into your NDS or NDSL. Now you're ready to play the games, media or applications of your choice!

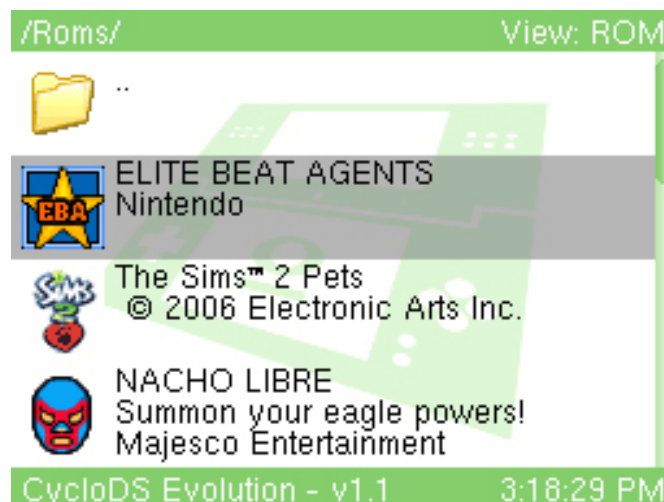
Main Menu

Upon launching the CycloDS Evolution application, you will be presented with three icons. On the left is the **Games / Homebrew** icon which is used to browse and load commercial and homebrew ROMs stored on the MicroSD card. In the middle is the **Media** icon which is used to launch the media playing software (described below). On the right is the **Settings / Misc** icon which is used to configure various aspects of CycloDS Evolution's operation.



Games / Homebrew

From the main menu select **Games / Homebrew**, which will take you to the game list. Use the NDS stylus to scroll downwards or upwards to the desired storage location and tap once to launch the ROM, it's that simple. Should you not wish to use the stylus for navigation, you may also use the D-pad for scrolling and A button to enter a folder or execute a file. The B button will take you to the previous directory, or back to the main menu if you are browsing from the root directory. The L shoulder button acts as page down and R shoulder button page up, for page by page navigation. The X button toggles between the two file view modes: ROM view where the game name stored inside the ROM file is displayed, and file view where the file name of the ROM is displayed.



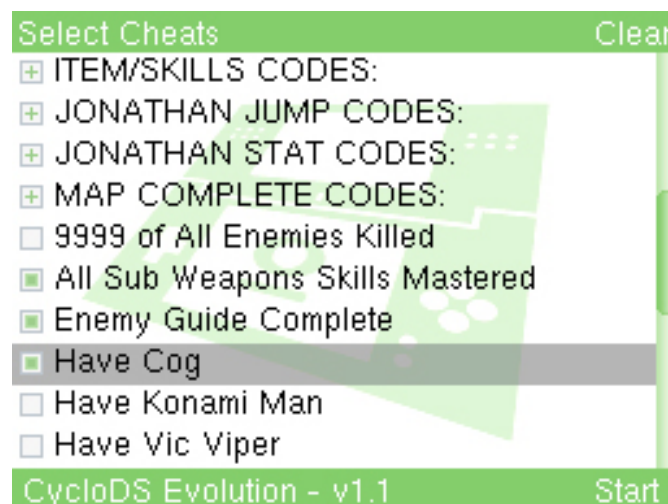
Cheat Codes

CycloDS Evolution contains an Action Replay compatible cheat code engine, giving you access to game enhancements such as infinite lives, infinite health, all levels unlocked and much more - the possibilities are endless! CycloDS Evolution comes with a bundled cheat database containing up-to-date codes for over 330 different games which means you can take advantage of the cheat code functionality right away.

Cheat Codes are disabled by default and must be enabled from the settings screen before they can be used. After selecting a game to play, CycloDS Evolution will scan the cheat code database to see if there are any codes available for the game you have selected. If codes are found then you are asked if you wish to select any codes to enable. If Yes is selected, you are taken to the cheat code selection screen. If No is selected then the game will simply start as normal without any codes enabled.



As with the game list, the cheat code selection screen may be navigated using either the stylus or buttons. Use the D-pad for scrolling, the A button to toggle a code on/off or open/close a folder and the X button to clear all selected codes. When you are done press the START button to launch the game with the cheat codes you have selected enabled.



NOTE: With CycloDS Evolution Firmware v1.1 it is not possible to add user defined cheat codes. The ability to add user defined cheat codes to the database is currently under development and is scheduled to be included in the firmware in the near future.

Savegame Function

CycloDS Evolution allows you to save your game states as if it were a regular game cartridge. The save game files are stored in a special format on your Micro SD card. The save game file is the ROM filename + ".sav" extension, so for example with "Super Mario Brothers.nds" the save would be stored as "Super Mario Brothers.sav". You may navigate the save game files with your PC and back them up if you please.

Game Sharing

Original NDS cartridges may offer a game sharing function, where only one physical game cartridge is required for two system owners to play the same game. CycloDS Evolution offers exactly the same functionality and game sharing is enabled in exactly the same manner as a regular game cart.

Enhanced Mode Operation

Enhanced mode offers additional features during game play, which are not available with standard game cards. Enhanced mode is disabled by default and must be enabled from the settings screen before it can be used. If Enhanced mode has been enabled, during game play press A + B + X + Y + L + R simultaneously to bring up the in-game menu. From here you can access the enhanced features:

- **Adjust Brightness:** If you are using a NDS Lite console this allows you to adjust the brightness of the LCD during game play.
- **Toggle SlowMotion:** When SlowMotion mode is enabled the game runs at half the normal speed. This makes it easier to master fast paced action sequences.
- **Return to Main Menu:** Selecting this will exit the game currently being played and return to the CycloDS Evolution menu (this feature is otherwise known as "in-game reset"). Please be careful not to do this while the game is saving!
- **Return to Game:** Selecting this will simply exit the in-game menu and return to the game.

Homebrew Software

CycloDS Evolution is capable of running homebrew applications without any preparation on the users' part. Our dynamic auto-patch feature will enable homebrew software to access the MicroSD card without any fuss whatsoever. The conventional method of manually patching DLDI drivers into homebrew software is not required for our device.

Firmware Update

Should you wish to upgrade your CycloDS Evolution's firmware, simply download the latest build from the official website, decompress it and then transfer it to the root directory of your MicroSD card. CycloDS Evolution will check for the latest firmware available on the MicroSD card and automatically update it if a newer version than currently installed is found.

Supplementary Features

The **autoboot** feature will load the last executed ROM or homebrew application by holding the L and R shoulder buttons while launching the CycloDS Evolution application.

Skinning the CycloDS Evolution user interface is simple; just transfer the required skinning files to the folder \CycloDS\skin on your MicroSD card.

The **Boot From Slot 2** feature allows you to boot your slot 2 device. In effect CycloDS Evolution acts as a PassMe in this mode.

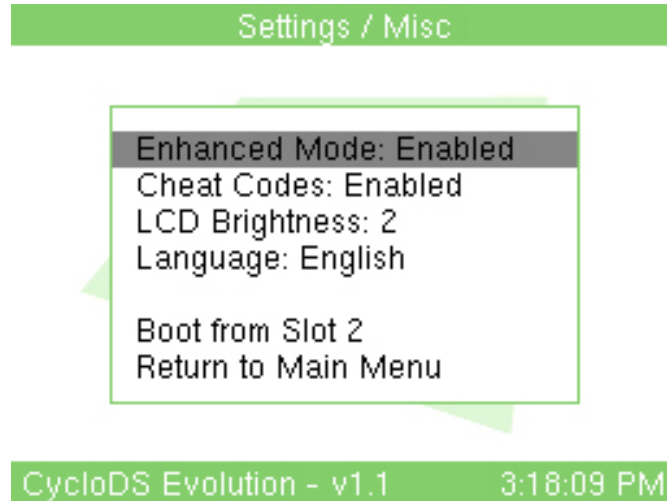
Media

The media icon will launch the Moonshell application if it has been preloaded to your MicroSD card. You may download the Moonshell application from the official CycloDS website:

<http://www.cyclopsds.com/>

Settings / Miscellaneous

The settings menu allows toggling of different LCD screen brightness (NDSL only), selection of different languages, selection of the aforementioned enhanced mode and cheat codes and finally, booting from a slot 2 device.



FAQ

Q: Which languages does the Evolution support?

A: English, Spanish, Italian, French, German, Portuguese, Latin American Spanish and Korean.

Q: Will I be required to patch games or alter them in any way before use on CycloDS Evolution?

A: No

Q: How does the save game functionality work?

A: CycloDS Evolution saves a game as if it were a regular game cartridge. The resulting .sav files can be backed up to PC or replaced with a previous or more recent .sav file from the same game.

Q: Is the CycloDS Evolution's firmware upgradeable?

A: Yes, free and regular updates will be provided for download.

Q: Is homebrew software supported?

A: Yes, and patching DLDI drivers manually is not required.

Q: Can CycloDS Evolution be used with the Rumble Pack or Opera Browser RAM Expansion?

A: Yes

Q: Will battery life be affected?

A: No, we have purposely chosen low power consumption components to avoid this issue.

Q: Can I drag and drop files to my MicroSD card using Windows, Mac OS or Linux?

A: The bundled CycloDS Evolution card reader is mass storage compliant, so any operating system can be used to manage the MicroSD file transfers.

Q: Are any custom files or software required in order to manage files for CycloDS Evolution?

A: No, files can be dragged and dropped to the MicroSD card using any standard PC OS.

Q: What colour is the Evolution cartridge?

A: White

Q: Will I have to modify my NDS or NDS Lite in any way, shape or form?

A: No, CycloDS Evolution will never require any user tampering with his NDS console. Furthermore, CycloDS Evolution updates are independent of console revision.

Q: Are both NDS and NDS Lite consoles supported?

A: Yes, all current and future consoles are supported

Q: Can CycloDS Evolution be used on a DS from anywhere in the world?

A: Yes

Q: Do I need a PassMe or Passkey device in order to use CycloDS Evolution?

A: No, just the CycloDS Evolution and a MicroSD card.

Q: Can the Evolution OS be re-skinned?

A: Yes.

Additional Information

For more information regarding CycloDS Evolution please see the official website or discussion forums:

Website: <http://www.cyclopsds.com>

Forums: <http://www.teamcyclops.com/forum>

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