

How To Mod a Wii

Info and pictures from [wii.guide](#).

DISCLAIMER: By modding any console, you risk bricking it. This guide has been tested and does work well, but we are not responsible for what happens to your Wii. This guide is not made for a vWii or Wii Mini.

This guide will do the following:

- Patch disc contents (for mods or ROM hacks) using Riivolution
- Install Wii Menu themes using MyMenuify
- Install Wiiflow or USB Loader GX to load games off of a USB drive
- Back up your physical games using CleanRip and software using Yet Another BlueDump MOD
- Back up and restore your save files using SaveGame Manager GX
- Back up and restore your GameCube saves using GCMM
- Download new homebrew apps using Open Shop Channel
- Restore obsoleted online play using RiiConnect24, WiiLink and Wiimmfi
- Back up and restore NAND data using BootMii
- Protect your Wii from bricking using Priiloader
- Use your Wii as a multimedia player (DVD, CD) using WiiMC

Uses for a homebrewed Wii include:

- Running homebrew apps
- Porting games not on the Wii via an emulator
- ROM hacks
- Region lock bypass
- Save editing
- Custom Wii Menu themes
- Dumping your discs and save files to play digitally

Important information (READ FIRST):

Make sure that your Wii is connected to power at all times while hacking unless specified otherwise.

What you need:

1. SD card formatted to FAT32 (Up to 2TB, microSD with adapter will work)
2. A computer (Chromebook will work, you just need an SD reader)
3. Make sure your Wii is on Wii Menu firmware version 4.3. If not, update it (Wii Options > Wii Settings > Go right 3 times > Wii System Update)

Wii compatibility:

You can use this guide for every Wii model except the Wii Mini (RVL-001, RVL-101). A Wii U will not work with this guide as well. **If you have a Wii Mini or vWii (Wii U Wii Menu), stop!**

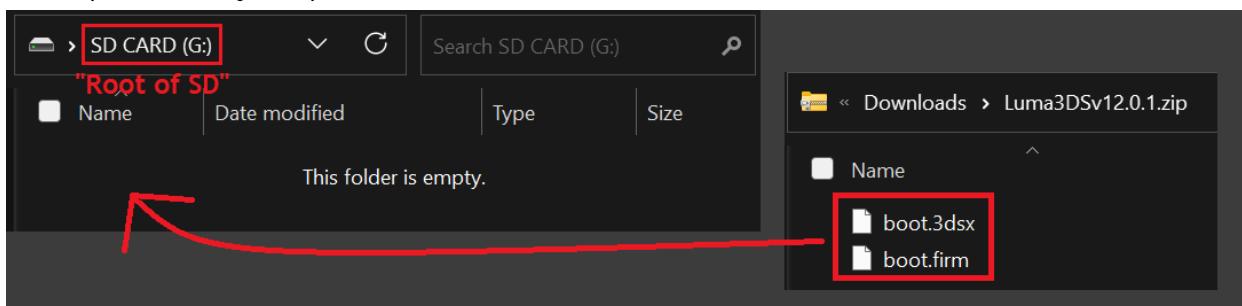
Computer compatibility:

You can use any computer as long as it has an internet connection and can download files to an SD card.

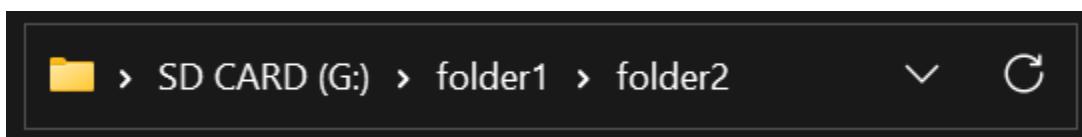
Terminology:

File placement

It's important to put your files in the correct places so the Wii can properly read it. You'll quite frequently see the phrase "SD root" or "SD card root". The directory that opens when you open the SD card is the root.



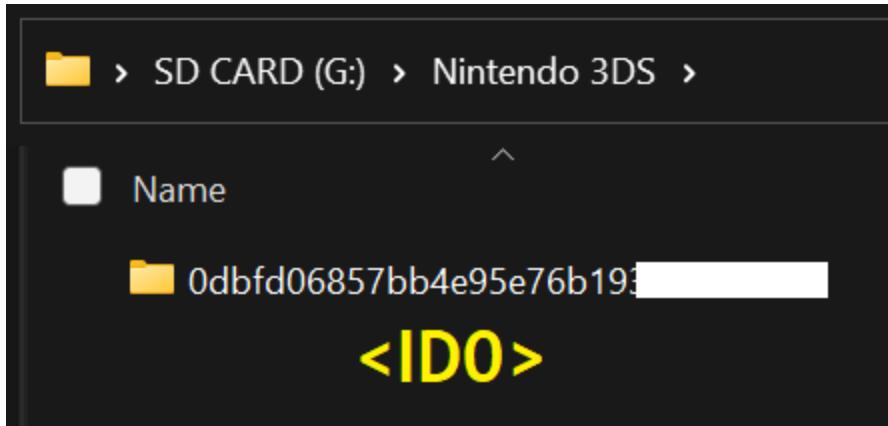
You will also see folders written like /this/. The /slashes/ are used to tell you that this is the name of the folder. E.g. /folder1/ would be in the SD as folder1. There also may be a slash in between two folders such as /folder1/folder2/. This refers to /folder2/ being inside of /folder1/. The slashes are not in the name of the folder.



CFW

CFW stands for custom firmware.

You may also see text inside of angle brackets (<like this>). The brackets refer to system-specific identifiers in folders such as. For example, <ID0> refers to a specific identifier in this Nintendo 3DS folder from our previous guide.



Downloading GitHub files

A screenshot of a GitHub release page for version v12.0.1. The page shows the release date (Mar 28), the number of commits (11), and the commit hash (631ddde). Below this, there is a section titled "Assets" which contains three items: "Luma3DSv12.0.1.zip" (395 KB, Mar 28), "Source code (zip)" (Mar 28), and "Source code (tar.gz)" (Mar 28). The first item, "Luma3DSv12.0.1.zip", is highlighted with a yellow box.

You'll soon copy files to the SD card. Most of these files come from GitHub. When you download files from GitHub, you shouldn't download the source code.

Unzipping and extracting files

You'll have to download files with the .zip extension. You must unzip them or else the Wii can't read the files, and when that happens, you can either double-click on the file or right-click then click "Unzip" or "Extract all". If you cannot do this, you can install a tool such as [7-zip](#).

File extensions

If you use Windows, file extensions may be turned off by default. You can enable them using [these instructions](#).

Help

If you need help, go to [RiiConnect24 Discord](#) or [Nintendo Homebrew Discord](#).

Guide

Part 1 - Letterbomb

[LetterBomb - Wii Guide](#)

This guide will install the LetterBomb exploit. If you are using a Wii Mini then follow *this guide*.

1. Power on your Wii. Make sure your Wii Remote is synced.
2. Go to Wii Options > Wii Settings > Internet > Console Information and note down your MAC address.
3. Power off your Wii and put the SD card into a computer.
4. Go to please.hackmii.com and input your MAC address and version number, make sure *Bundle the HackMii Installer for me!* is selected. Cut either the red or blue wire, it doesn't matter which.



LetterBomb

System Menu Version

4.3U 4.3E 4.3J 4.3K

MAC Address

AA BB CC DD EE FF

Necessary to create and sign the correct file

Bundle the HackMii Installer for me!

Cut the red wire **Cut the blue wire**

5. Extract the newly downloaded .zip onto the SD root.
6. Eject the SD card from your computer and insert it into the front SD card slot on your Wii. Using a USB adapter will not work.
7. Power on the Wii and open the Wii Message Board.
8. Make sure that the date is correct and find the red letter with a bomb inside of it.
 - a. If your date is not correct then it will be difficult to find the letter.
 - b. If your date is correct but it does not appear then check the previous or next day.
 - c. If it is not there, go to your Wii's SD card management (Wii Options > Data Management) and check for errors. If there is an error then your SD card may be formatted incorrectly or there may be an issue with your Wii's SD reader.

- d. If you need extra help then ask on the [RiiConnect24 Discord](#).
9. Select the red letter.
 - a. If selecting the letter freezes your Wii then redo from Step 4 and make sure you've selected the correct region (find in version number).

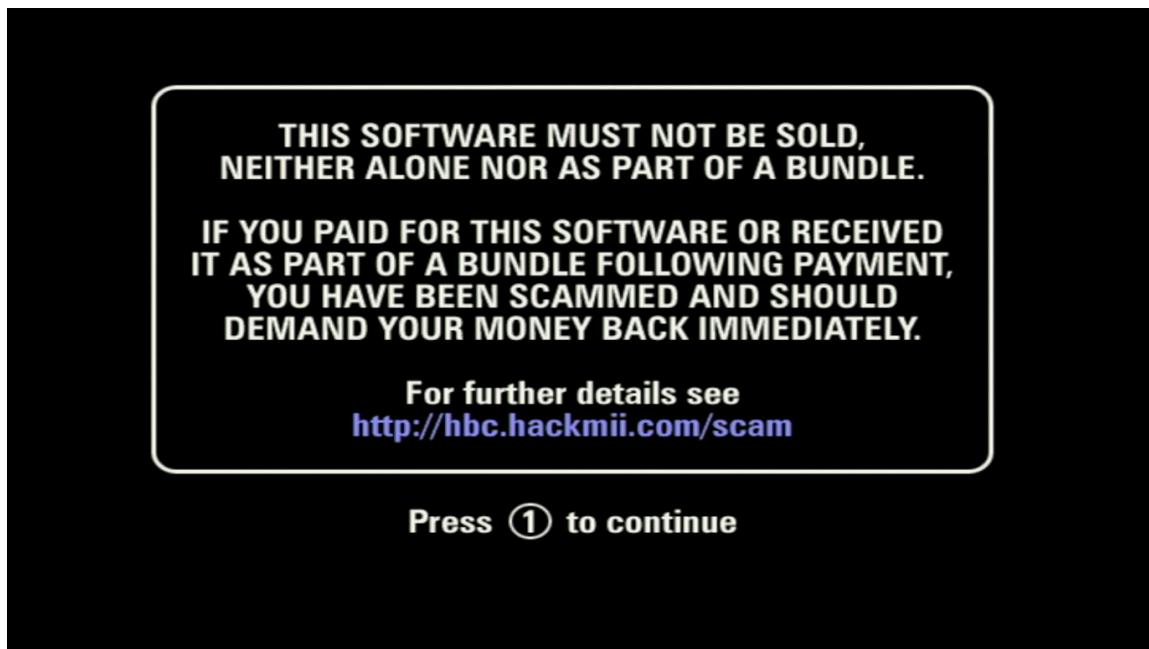
Part 2 - Installing Homebrew Channel and *BootMii*

[Homebrew Channel and BootMii Installation - Wii Guide](#)

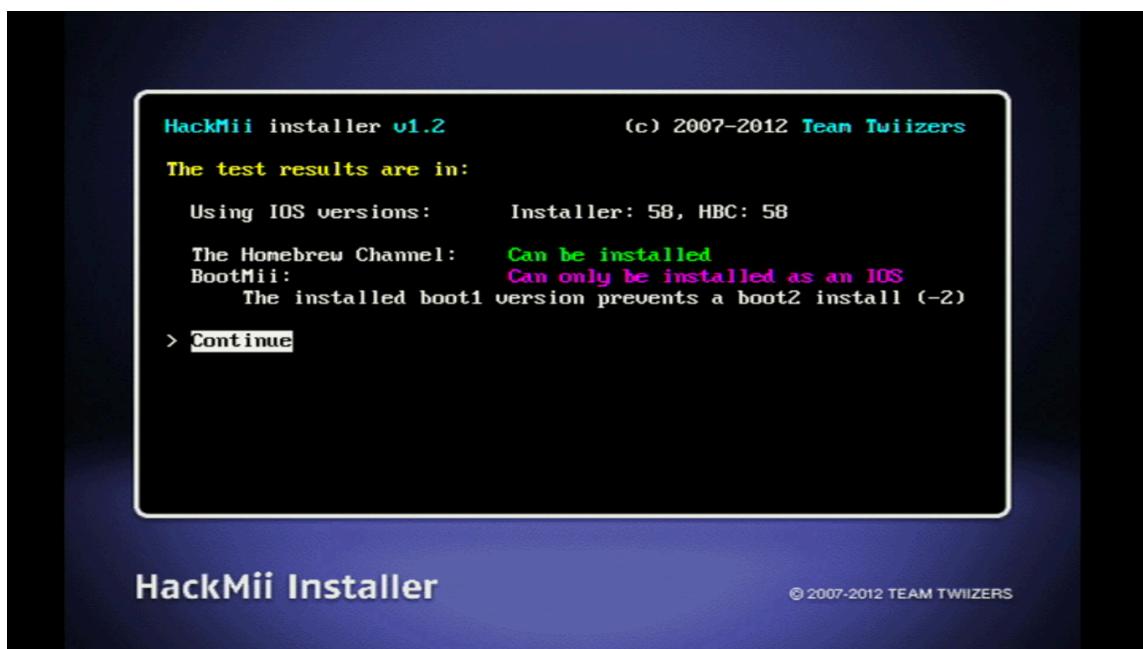


The Homebrew Channel is a piece of software used to launch homebrew apps and games. *BootMii* is a piece of software used to back up, restore, and prevent bricks of your Wii's NAND storage.

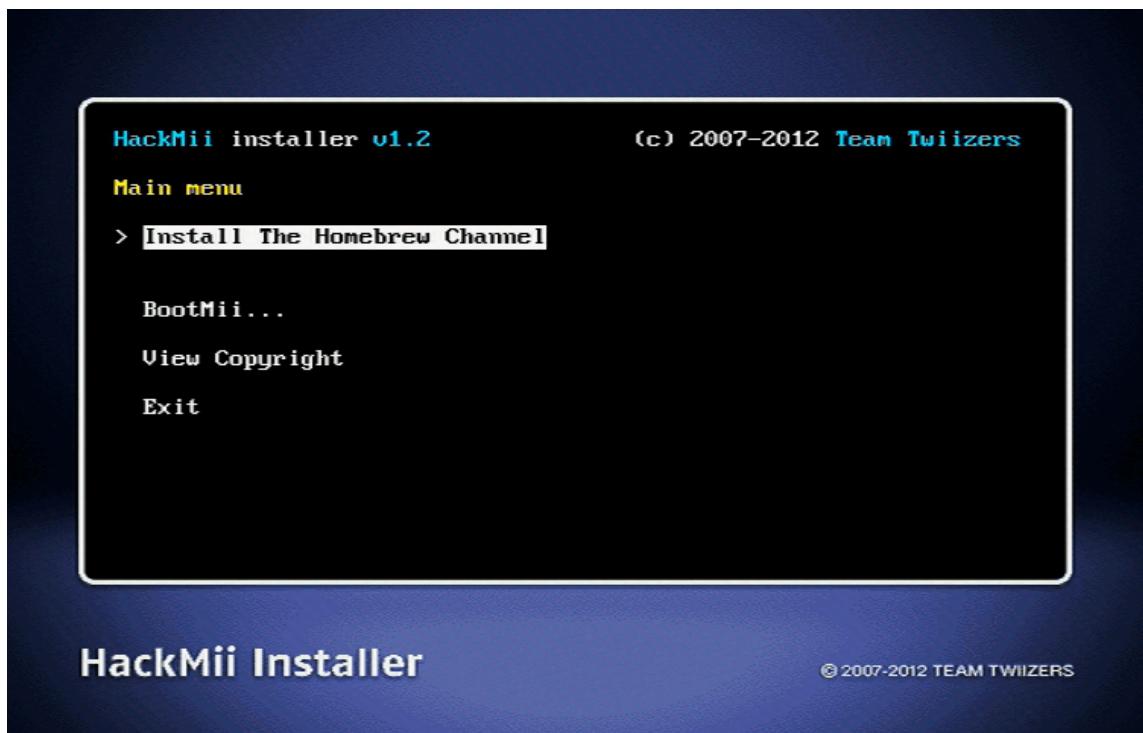
1. Press 1 when you see the scam warning screen.



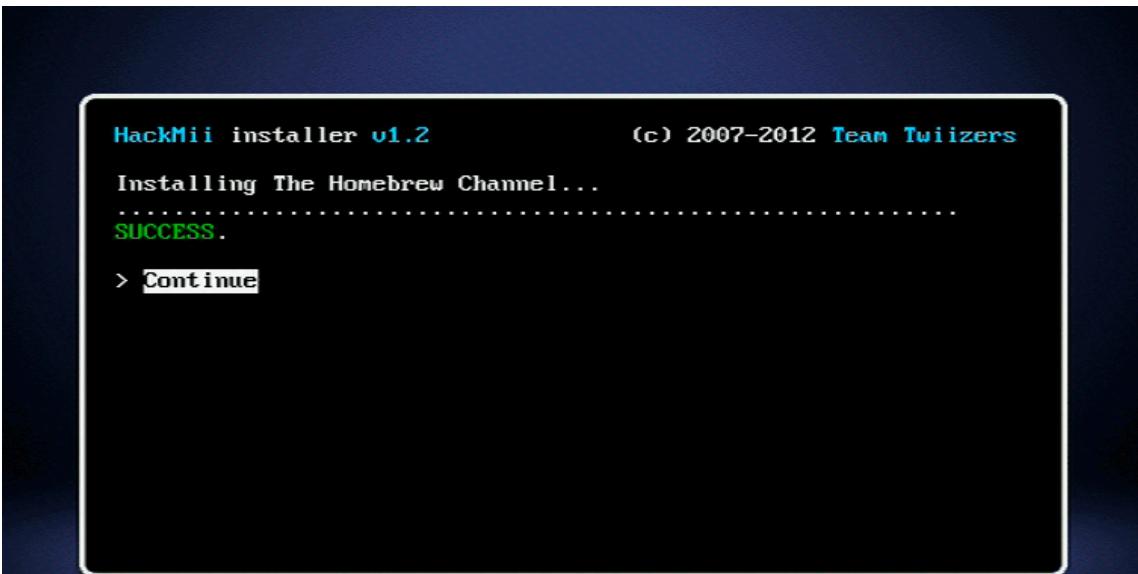
2. You will be shown a test result screen. Find and select *Continue*.



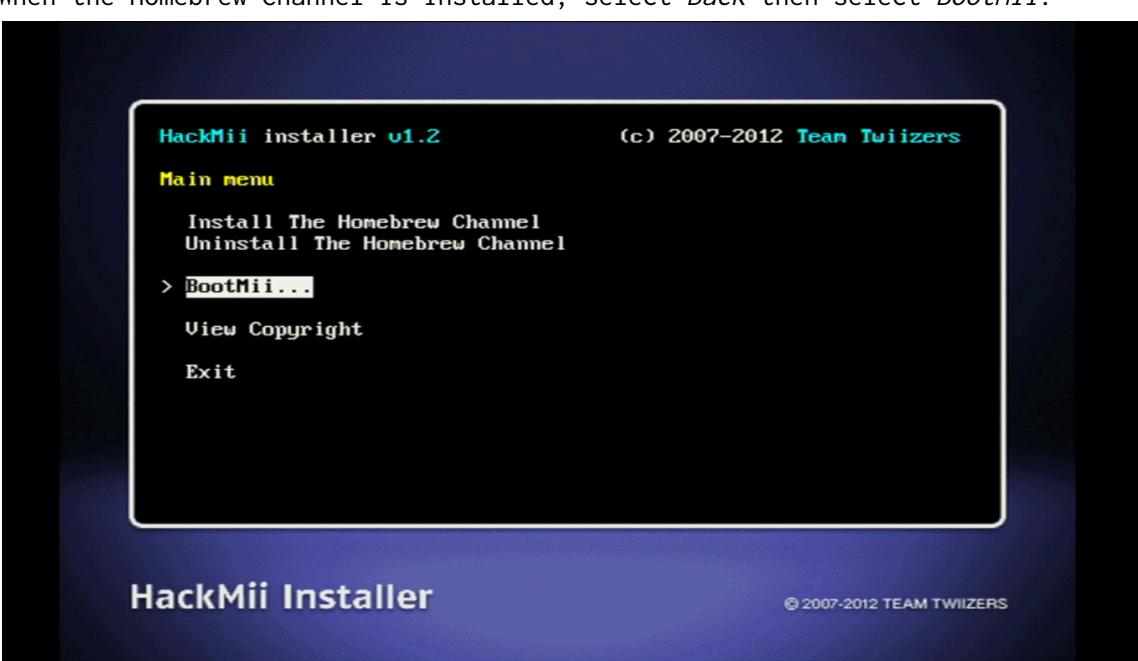
3. If *BootMii* says that it can only be installed as an IOS, that is normal.
4. Select *Install The Homebrew Channel*.



5. Select *Continue*.



6. When the Homebrew Channel is installed, select *Back* then select *BootMii*.

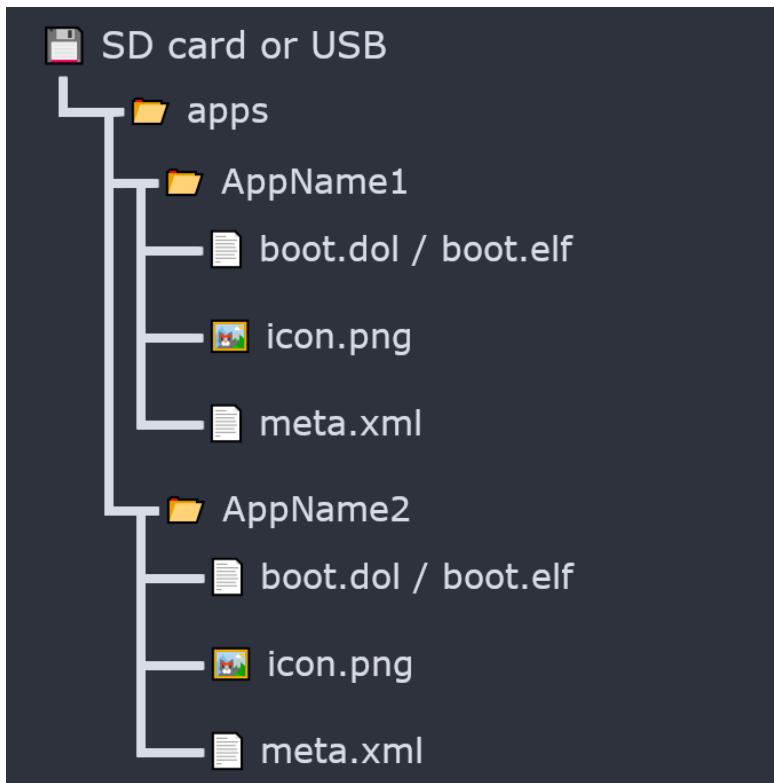


7. Select *Install BootMii as IOS*.
8. Once installed select *Continue*.
9. If *Install BootMii as boot2* is an option, select it as it provides brick protection.
10. Select *Exit* to open the Homebrew Channel.

Important Info (please read)

You are able to use the Homebrew channel to open/launch homebrew apps or games. You can install these using Open Shop Channel which will be installed later in this guide.

When installing homebrew, your file structure should look like this:



/AppName1/ and /AppName2/ are placeholder names. Do not nest multiple /apps/ folders inside of the /apps/ folder.

If you could not install BootMii, skip these steps and resume our guide at [Part 4 - Installing Priiloader](#).

Part 3 - BootMii NAND Backup

[BootMii Backup - Wii Guide](#)

You need an SD card to continue. If you do not have one, skip this part. It is still highly recommended to make a NAND backup, however.

One of the most important features of BootMii is the ability to create backups of a Wii's NAND storage. You should back up the NAND every time before you do something risky or dangerous to your Wii.

Make sure that your SD card has at least 512 MB of free space to continue.

If you have BootMii installed as boot2 then skip steps 1 and 2. In that case, launch BootMii by restarting your Wii.

You must use the *Power* and *Reset* buttons on the console to navigate *BootMii*.

1. Launch the Homebrew Channel.
2. Press the *HOME* button and select *Launch BootMii*.
 - a. If the *Launch BootMii* button does not appear, follow [this guide](#).
3. Select the *Options* button (the one with the gears)

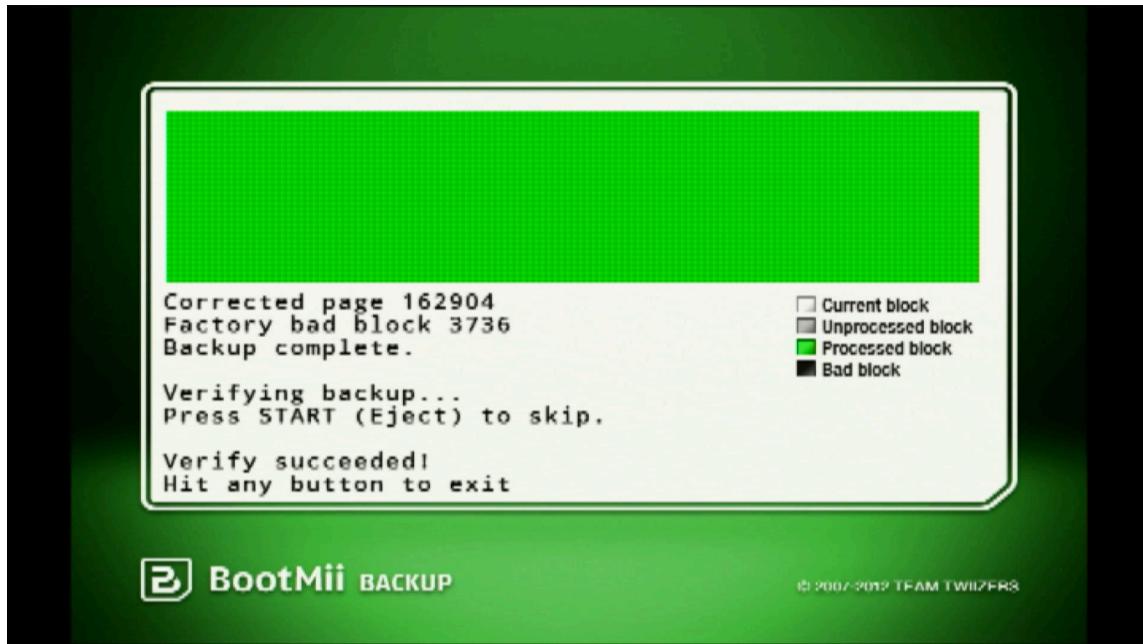


4. Select the backup button (arrow going out)



- a. A NAND backup will start. Bad blocks will occur, do not panic.

- b. After this step is completed, the backup will be verified. All blocks should ideally be green.
5. When the backup is complete, exit the backup menu by pressing any button.



6. Exit *BootMii*.



- a. To restore a backup onto an SD card, follow [this guide](#).
- b. Remember that restoring your NAND is a last resort and should only be used if all other brick restorers fail.
- c. Try to identify why your console bricked and reverse the action that caused the brick.

Make sure to put the `|nand.bin|` and `|keys.bin|` files in a safe spot where they will not be tampered with on your computer!

Part 4 - Installing Priiloader

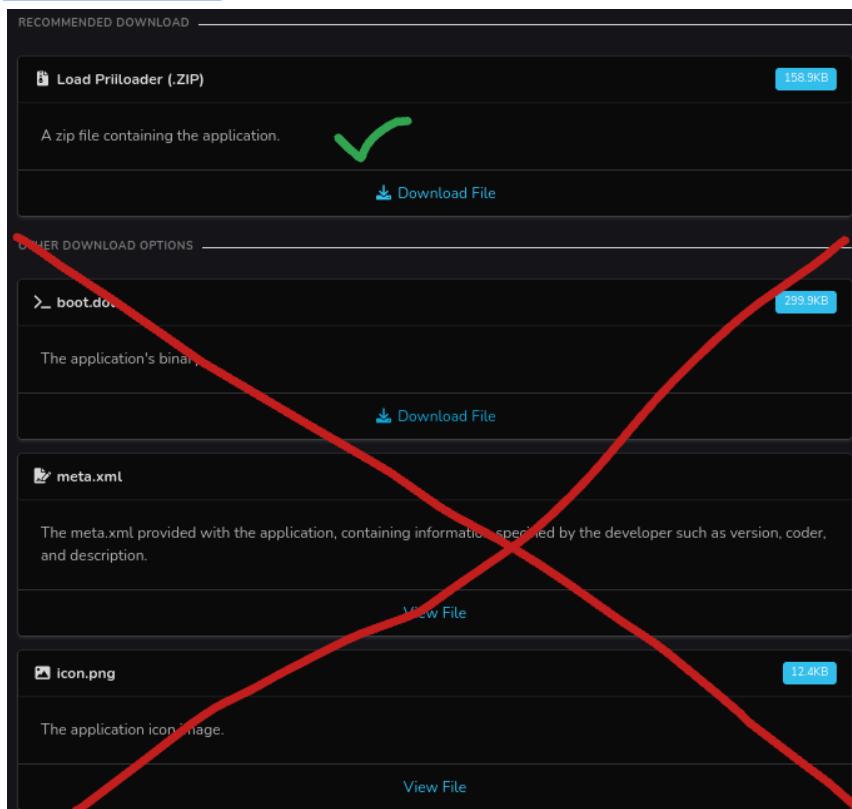
Priiloader - Wii Guide

Priiloader is software that adds extra protection in case of a brick. It can also enable hacks on your Wii Menu and can be used to speedily open any homebrew!

Download these .zip files:

[Priiloader](#)

[Load Priiloader](#)



1. Download both *Load Priiloader* and *Priiloader Installer*.
2. Extract the two apps to the root of the SD or USB drive.
3. Power on the Wii.
4. Launch the Homebrew Channel.
5. Launch the Priiloader installer.
6. Press the *+* (PLUS) button on your Wii remote or the *A* button on a GameCube controller.

IOS 58 rev 6176

Priiloader v0.10.0(r0x0e1d6dff) Installation / Removal Tool

PLEASE READ THIS CAREFULLY
THIS PROGRAM/TOOL COMES WITHOUT ANY WARRANTIES!
YOU ACCEPT THAT YOU INSTALL THIS AT YOUR OWN RISK
THE AUTHOR(S) CANNOT BE HELD LIABLE FOR ANY DAMAGE IT MIGHT CAUSE
IF YOU DO NOT AGREE WITH THESE TERMS TURN YOUR WII OFF

Press (+/A) to install or update Priiloader
Press (-/Y) to remove Priiloader and restore system menu
Press (HOME/Start) to chicken out and quit the installer!

Enjoy! DacoTaco

```
IOS 58 rev 6176

Checking for Priiloader...
Priiloader installation found : Updating Priiloader...

Skipping copy of system menu ticket...
Writing Priiloader app...Size Check Success!
Checksum comparison Success!
Done!!

Checking Priiloader Installation...
Size Check Success!
Checksum comparison Success!
Done!

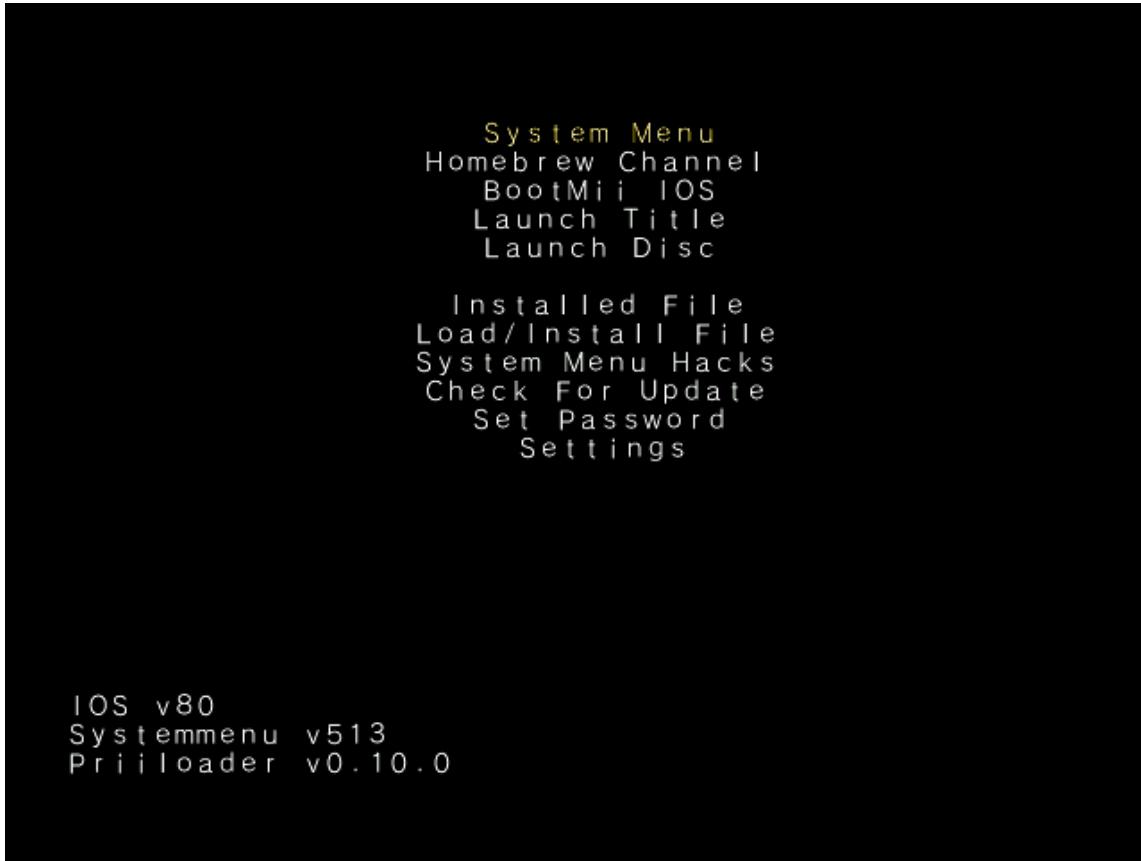
Patching TMD...no TMD modifications needed
Deleting extra priiloader files...
password file : Not found
Settings file : Deleted

Update done!

Press A to exit back to loader...
```

7. Press A to return to the *Homebrew Channel*.

- Priiloader will automatically appear once installed. Exit the *Homebrew Channel* and you should see this menu:



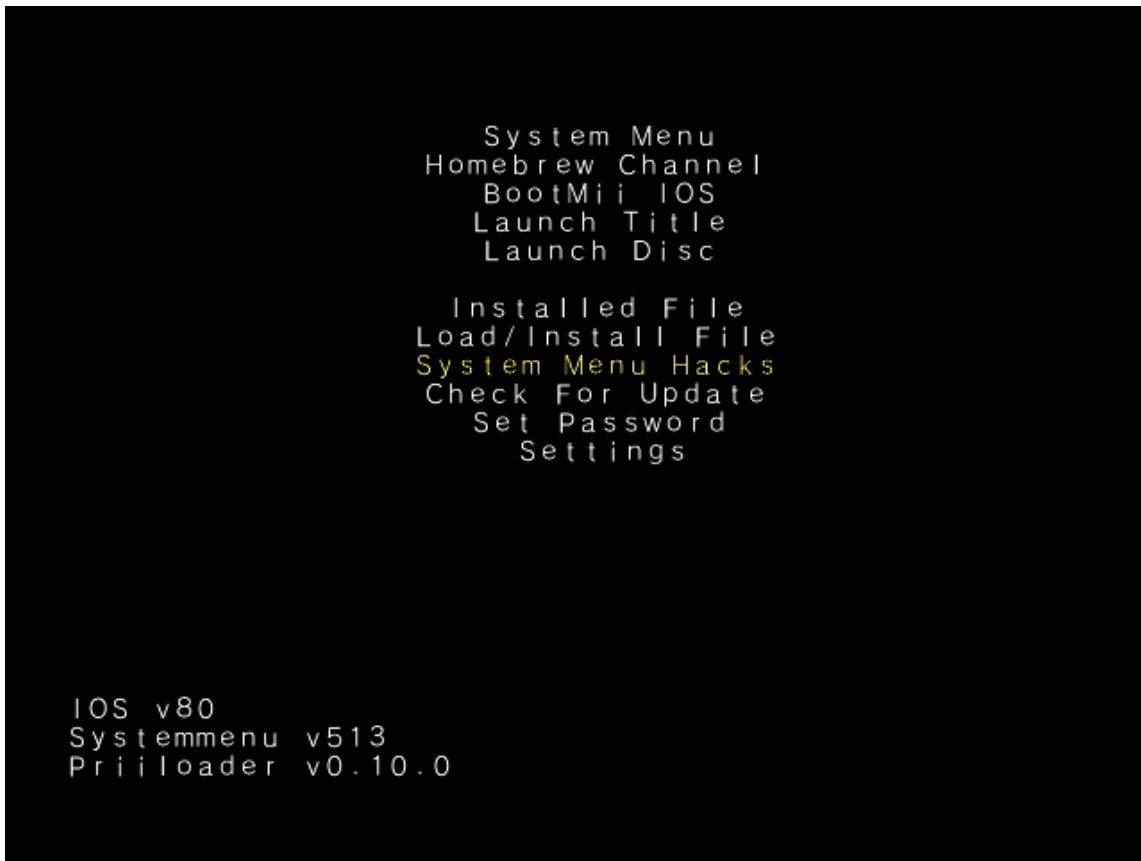
- To enter Priiloader later, run the *Load Priiloader* homebrew app. There are also other ways to enter Priiloader:
 - Hold the *RESET* key on the console while turning it on.
 - Hold the *ESC* key on a USB keyboard while turning on the Wii.

Configuring Priiloader

System Menu Hacks

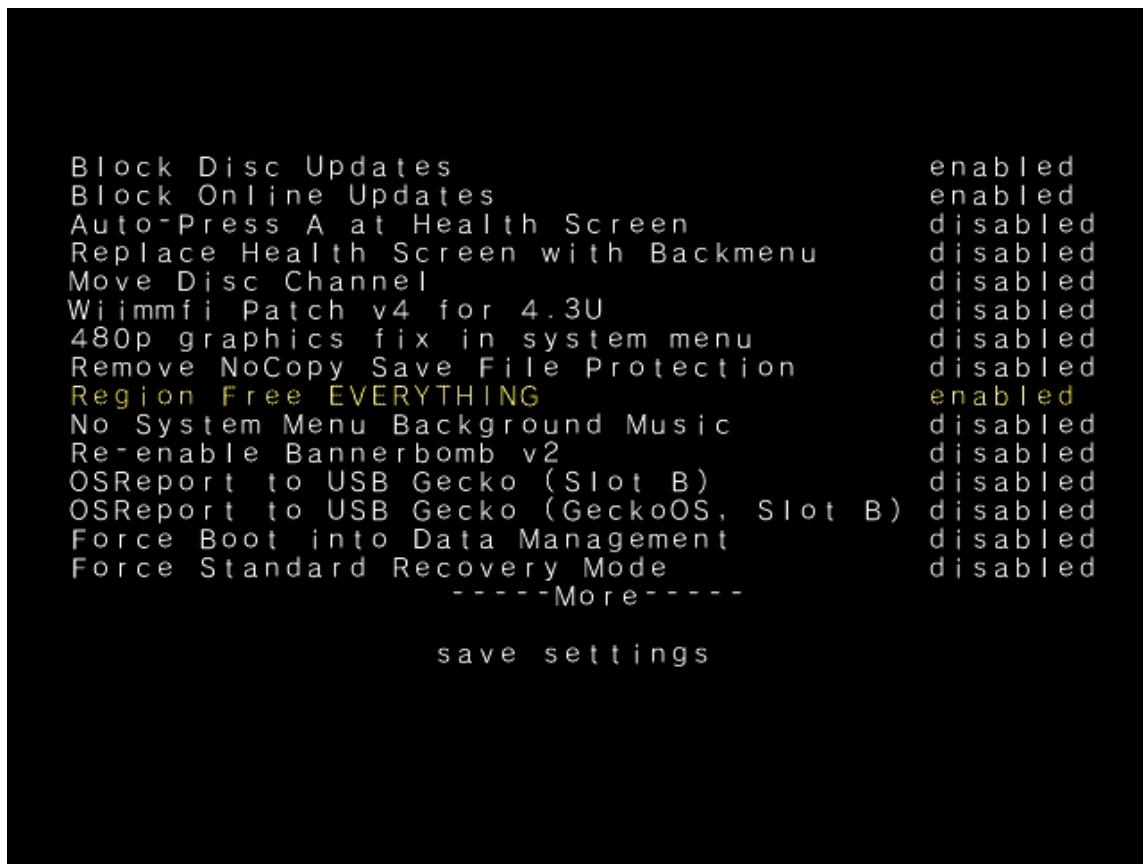
- Launch Homebrew Channel.
- Launch Load Priiloader.

3. Scroll down to *System Menu Hacks* and select A.



- a. If you are running Priiloader off of a USB drive and have an SD card plugged in as well, take out the SD card.
4. Select any hacks you would like. Enabling *Block Disc Updates*, *Block Online Updates* and *Region Free EVERYTHING*. See [All Priiloader System Menu Hacks](#) for

more info.

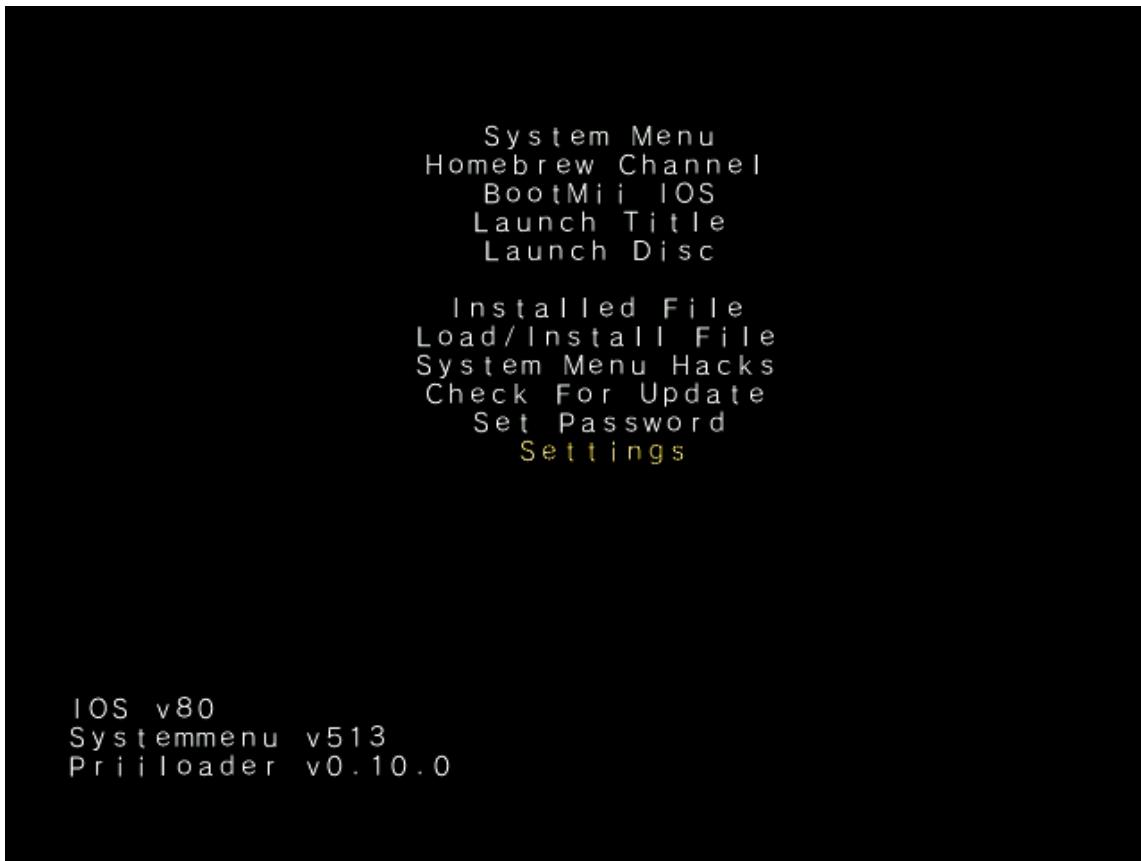


5. Scroll down to *Save Settings* and press *A*.
6. Press *B* to return to the main menu.

Autobooting Homebrew Channel or Priiloader

1. Launch Homebrew Channel and open Load Priiloader.

2. Scroll to *Settings* and press *A*.



3. Press *D-PAD Right* to go through Autoboot options until your selection is made.
4. *Disabled* will autoboot to the Priiloader menu.

Do not set Autoboot to *BootMii IOS*. Your Wii will be stuck in a loop until you hold *RESET* on the console to open Priiloader.

5. Scroll to *Save Settings* and press A.



6. Press B.

7. Scroll to *System Menu* and press A.

IMPORTANT! Read these before continuing, or you could brick your Wii.

Dos and Don'ts of Wii Modding ([Dos and Don'ts of Wii Modding - Wii Guide](#))

- DO: Make sure that both Priiloader and BootMii are installed.
- DO: Make a backup of your Wii's NAND frequently with BootMii.
- DO: Install Wii Menu themes if you want, be careful as performing this incorrectly will lead to a brick.
- DO NOT: Install WADS of random IOS, old Wii Menus, etc, unless you know what you're doing. Especially not on a Wii Mini or vWii (Wii U Wii Menu).
- DO NOT: Use old homebrew apps or tutorials, often times pre-2012, especially if they relate to IOS.
- DO NOT: Modify or delete files on your Wii's NAND, unless you know what you're doing.
- DO NOT: Use the app KoreanKii on a non-Korean Wii.
- DO NOT: Install any IOS on a Wii Mini other than [d2xl_cIOS](#). If you use another IOS it will brick your console unless a Wi-Fi card is soldered on.
- DO NOT: Use any Nintendo Wi-Fi Connection replacement aside from [Wiimmfi](#) unless you have an RCE patch code. Other replacement servers are vulnerable to an exploit that will brick your Wii. [RiisConnect24](#) and [WiiLink](#) are safe too.

- DO NOT: Restore NAND from another Wii via BootMii.
- DO NOT: Use the app Pimp My Wii. It is dangerous and can make your Wii unstable.

Part 5 - Installing cIOS



This part will install cIOS (Custom IOS). This is required if you want to install games with a USB loader.

1. Download <https://wii.guide/assets/files/d2x-cios-installer.zip>

All Priiloader System Menu Hacks

Block Disc Updates	Removes the “Wii System Update” screen included with some games that forces you to update the system before playing the game.
Block Online Updates	Disables updating your Wii. Updates will fail with error 32007.
Auto-Press A at Health Screen	Automatically presses the A Button to get past the initial “Health and Safety” screen.
Replace Health Screen with Backmenu	Changes the “Health and Safety” screen to the animation played when returning to the Wii Menu.
Move Disc Channel	Enables moving the Disc Channel anywhere on the Wii Menu. It’s normally stuck in the top left of the first page.
Wiimmfi Patch v4	Automatically patches all games you run from the Disc Channel for use with Wiimmfi.
480p graphics fix in system menu	Fixes a small issue with 480p on the Wii Menu.
Remove NoCopy Save File Protection	Allows you to copy normally disallowed save files to your SD card from Data Management
Region Free EVERYTHING	Disables region locking for any Wii application, including downloaded ones.
No System Menu Sounds AT ALL	Disables all the Wii Menu sound effects. Currently broken.
No System Menu Background Music	Disables the Wii Menu background music.

Re-Enable Bannerbomb v2	Enables the “Bannerbomb” exploit on the latest Wii version. Not needed when the Homebrew Channel is already installed.
OSReport to UsbGecko(slot B)	Sends Wii Menu logs to a debugging device in memory card slot B.
OSReport to UsbGecko(GeckoOS,B)	Sends Wii Menu logs to a debugging device in memory card slot B, if the Wii Menu is launched by Gecko OS.
Force boot into Data Management	Immediately loads the Wii menu into Data Management.
Force Standard Recovery Mode	Automatically launches the console in recovery mode. Used to launch recovery discs, letting users unbrick their Wii systems.
Remove Diagnostic Disc Check	Removes a check in the Wii to see if an inserted game matches the title ID of the “Wii Startup Disc”.
No-Delete HAXX,JODI,DVDX,DISC,DISK,RZDX	Re-enable channels with these title IDs (originally blocked in system updates due to them being exploits).
Force Disc Games to run under IOS249	Make discs use cIOS 249 as the game’s IOS. While it cannot allow playing of burned games on its own, it is needed to play burned discs. (Can give you Error 002 on a non-burned game)
Remove Deflicker	Removes the deflicker filter and makes the Wii Menu appear clearer.
Block Disc Autoboot	This prevents the Wii from instantly launching discs with title IDs starting with 0 or 1 (0x30, 0x31).
Allow TitleID RAAE, 408x, 410x	Allows the Wii Menu to read the discs with the title IDs RAAE (Wii Startup Disc), 408x and 410x (Wii Backup Disc)
Remove IOS16 Disc Error	Allows the Wii Menu to launch discs (this is only the Wii Backup Disc) that use IOS16.
Mark Network Connection as Tested	Enables the Use This Connection button in the Internet connection settings, regardless of the results of the last connection test.
Always enable WiiConnect24 for vWii	Enables WiiConnect24 & Standby Connection every time the Wii menu starts. Requires a reboot after enabling.
Create message via Calendar button (vWii)	Clicking on the Calendar button opens the Create Message menu instead of the Calendar, allowing the user to create Memos, send messages to, and register Wii friends.