R4^S

The definitive guide to switch atmosphere(mixed) custom firmware

Prep Work:

1. R4S Dongle

2. R4S Jig

3. One MicroSD card.

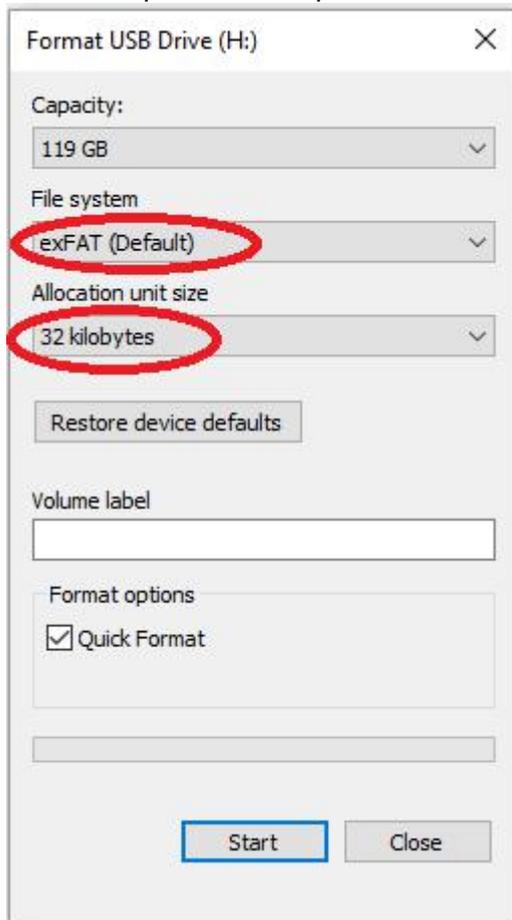# Let's get started.

Ⅰ: Download Software

Download link：

MEGA https://bit.ly/2zrloqN or **MediaFire** https://bit.ly/2xLXOTy

Ⅱ: **Format Micro SD Card**

Use the option in the picture shown below:

Format USB Drive (H:)	×

Capacity:

119 GB	⌄

File system

exFAT (Default)	⌄

Allocation unit size

32 kilobytes	⌄

Restore device defaults

Volume label

Format options

☑ Quick Format

Start	Close

PS: Switch doesn't support exFAT by default. Before next step, please put micro SD card inside switch SD card slot. System will prompt to update system patch after power on. You can connect to internet to update exFAT support. Offline update exFAT support is possible, please Google "How to install the exFat Update without updating your Switch".

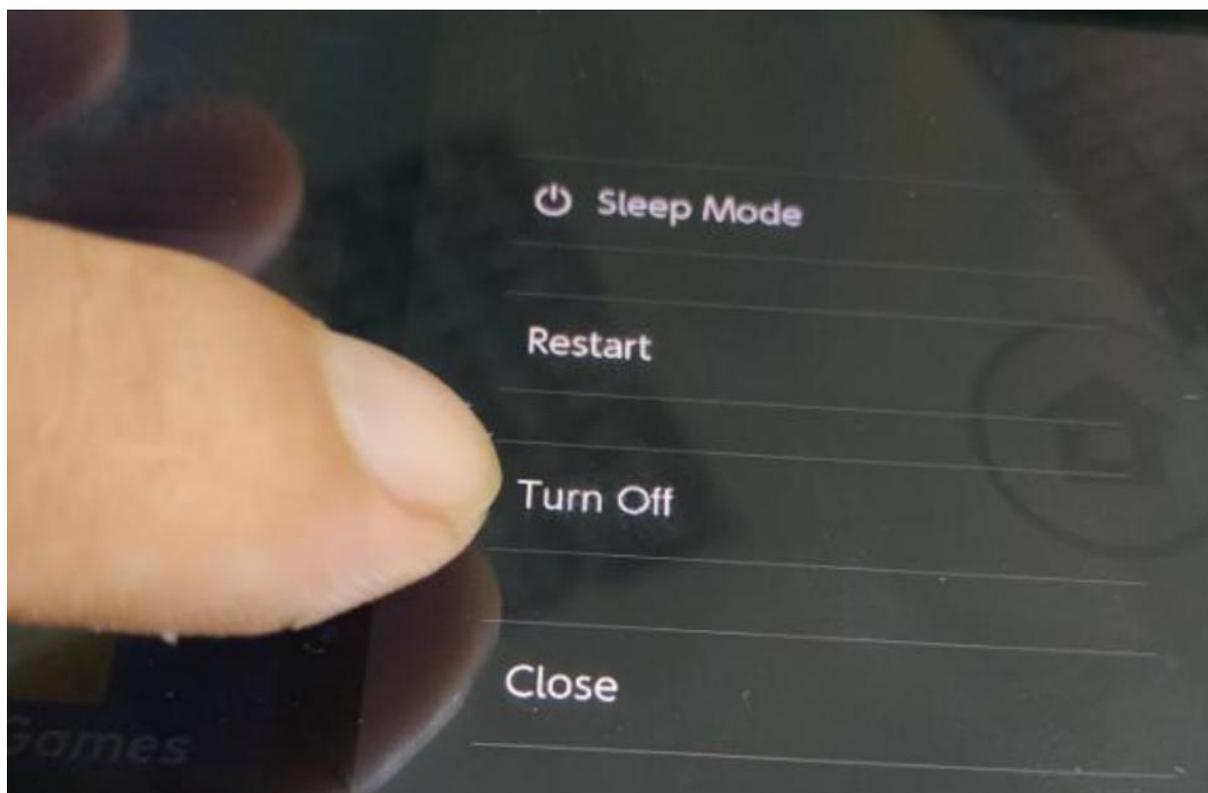Ⅲ: Extract downloaded zip file to root of SD file and put micro SD card into switch SD card slot.

Make sure the contents in the SD card like this:
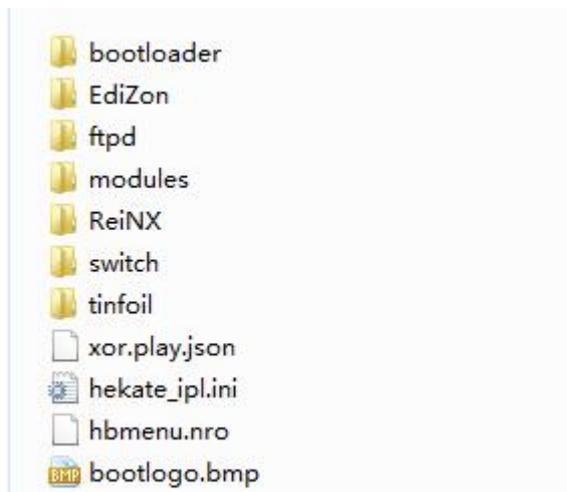
Ⅳ: Boot customer firmware

1. Turn off your switch console.

Hold power button till the following screen appear, press Power Off.

2. Remove the right Joycon from the switch console and slide the jig tool all the way down to the end.

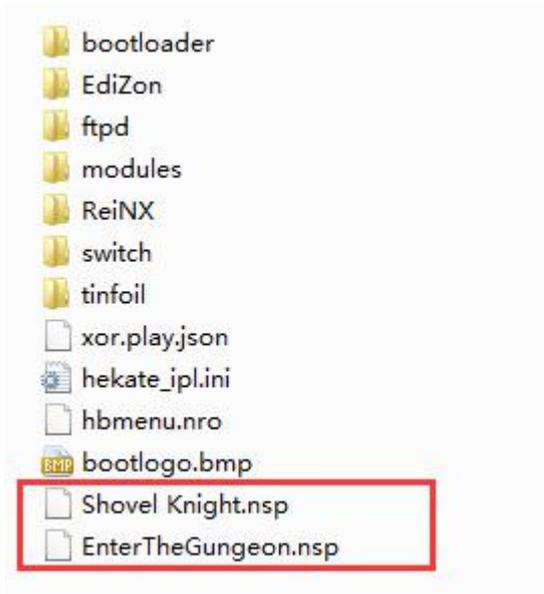3. Insert the R4S dongle into the USB-C port on the bottom of the Switch.

4. Hold the VOL + button and power button to turn on the Switch, the red led on the dongle will be light, and the system should boot into the custom firmware.
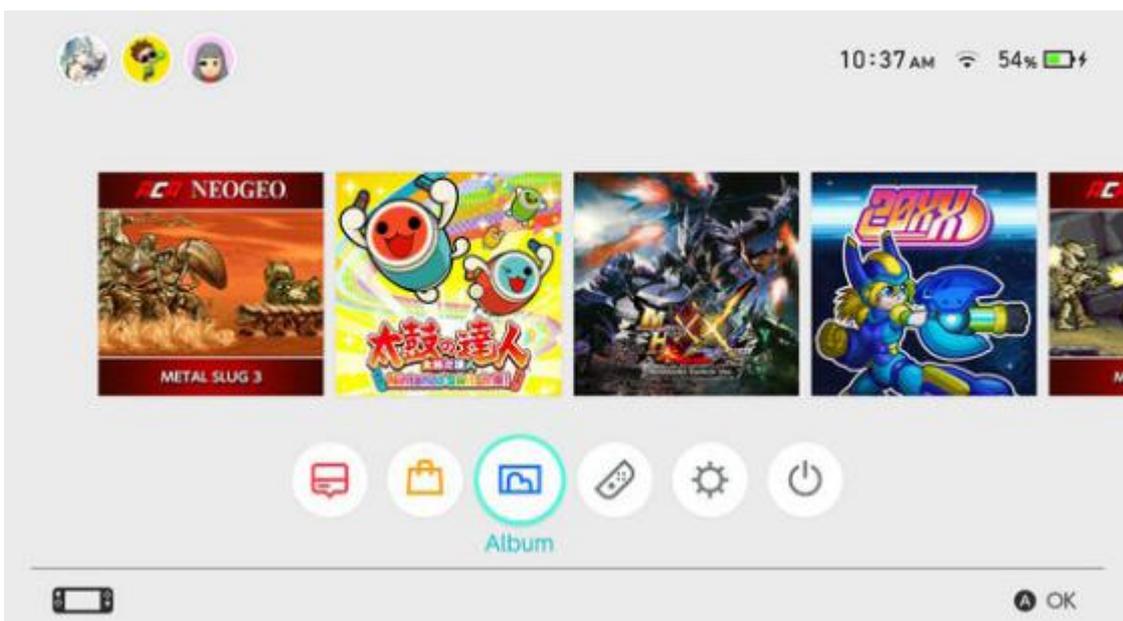
Install NSP game

1. Power off console, remove SD card from console, put SD card into PC.
   Copy NSP files to the root of SD card.

2. Insert SD card to the console, repeat **step IV** boot up system.

3. Click "Album"

Click "Tinfoil" in the next screen as shown in the picture below:
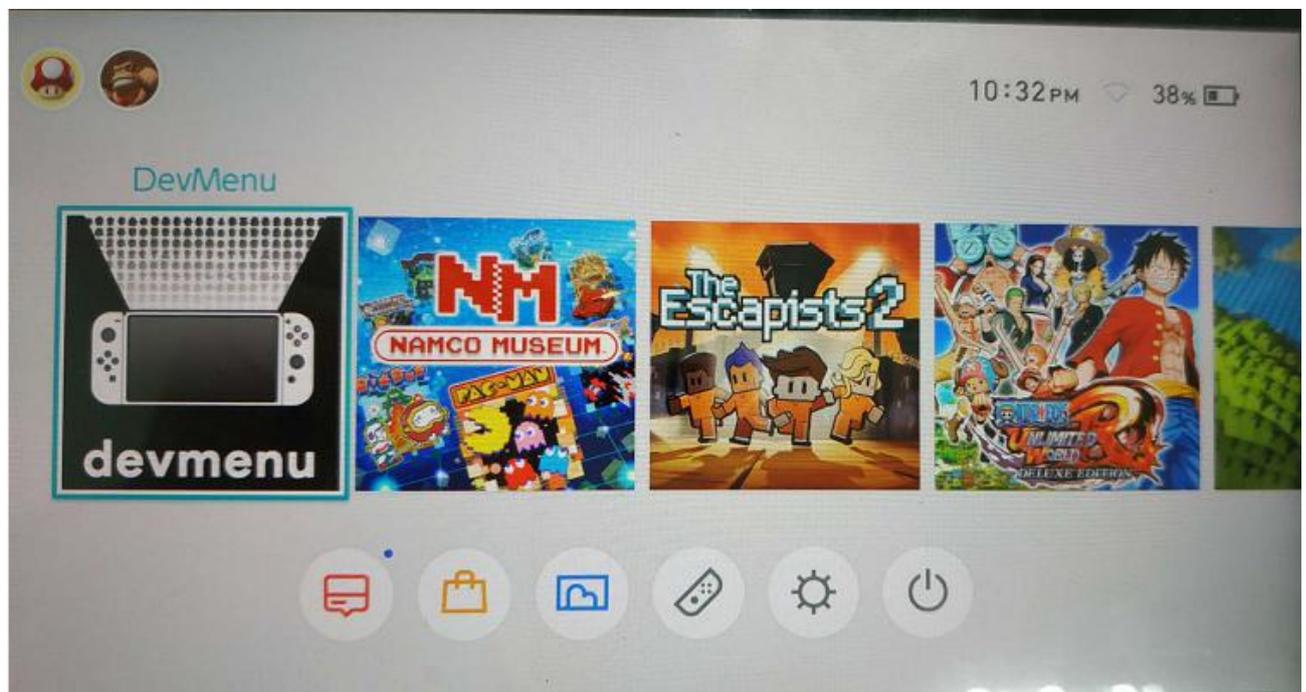

4. Tinfoil UI will be shown as following:

5. Select Title Management->Install NSP-> devmenu.nsp.
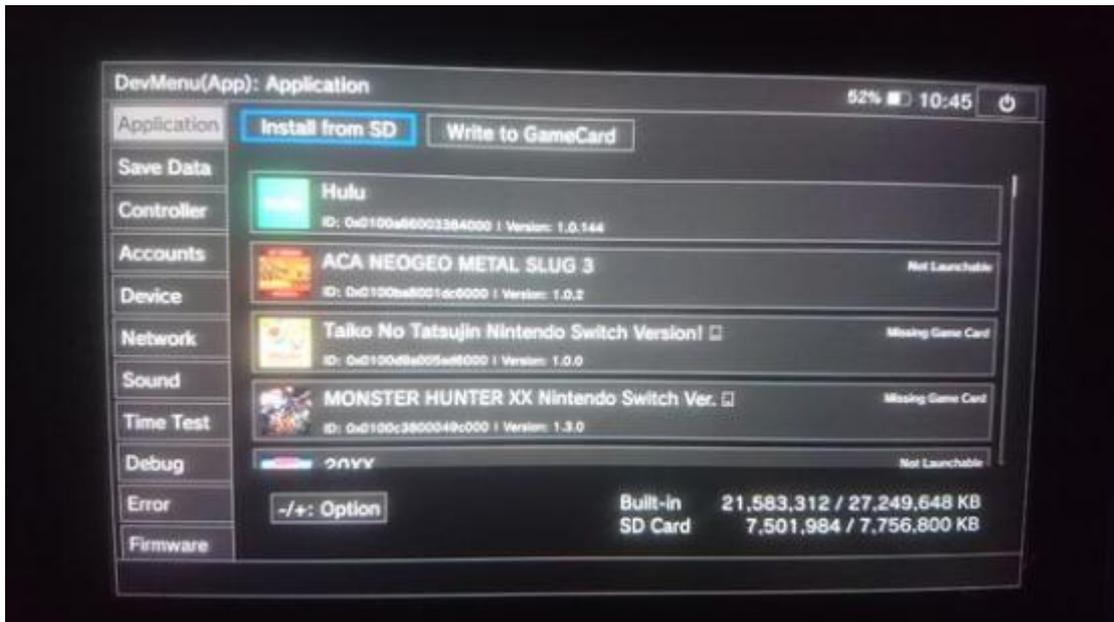   Wait for Done！ appear which means installation finished successfully.

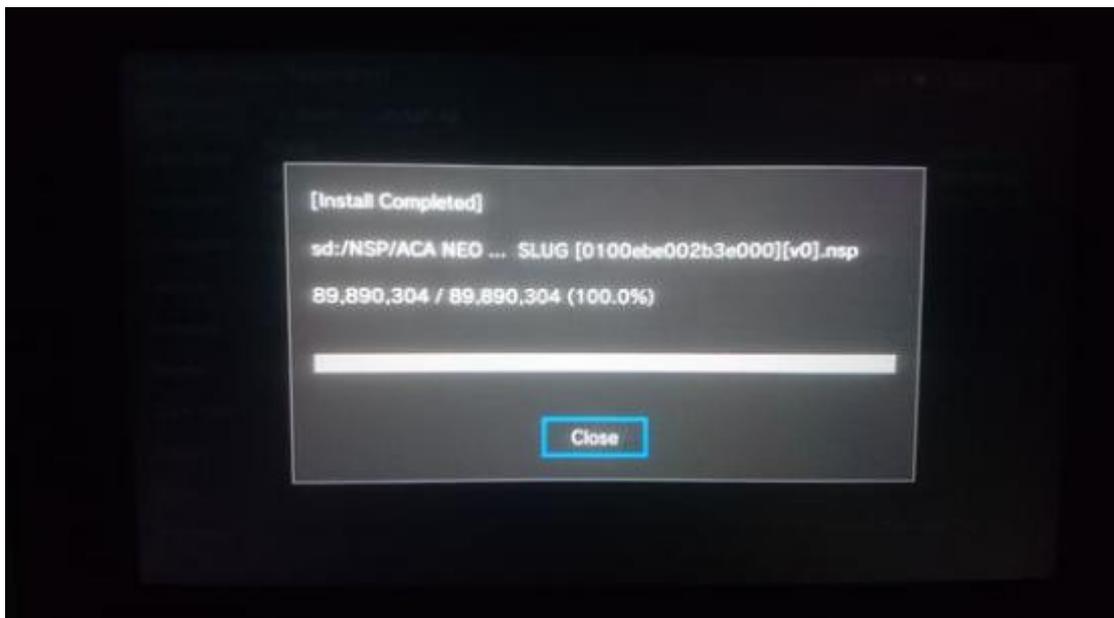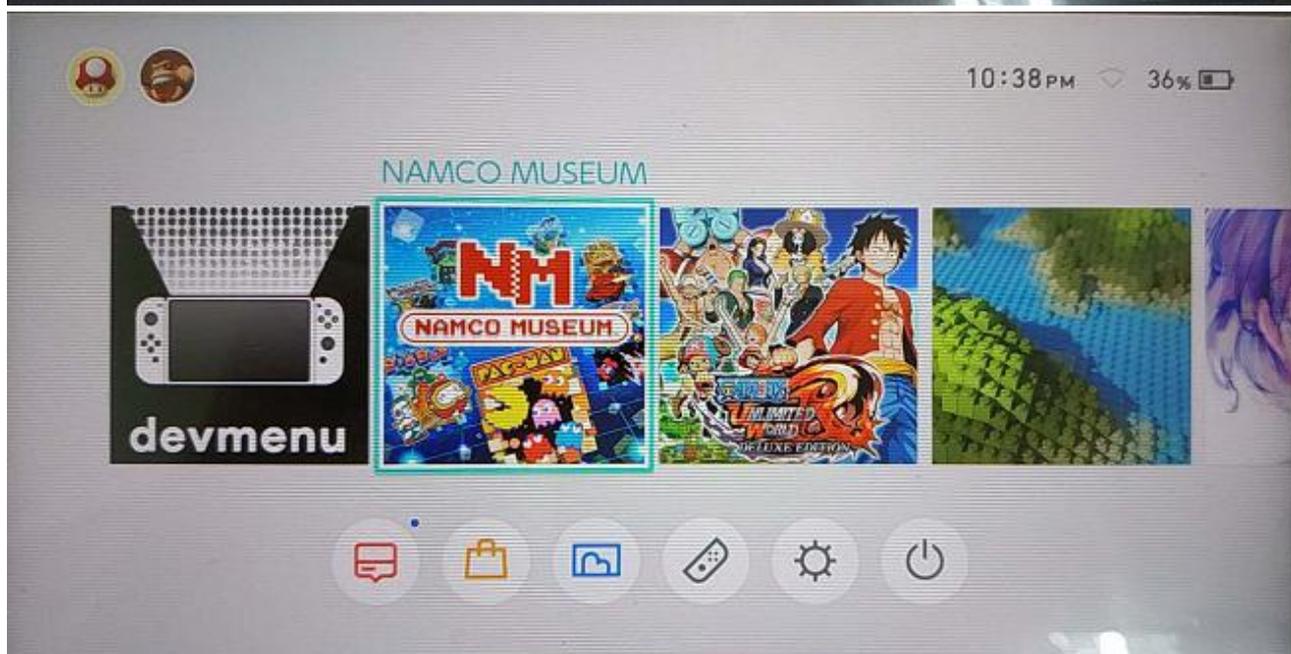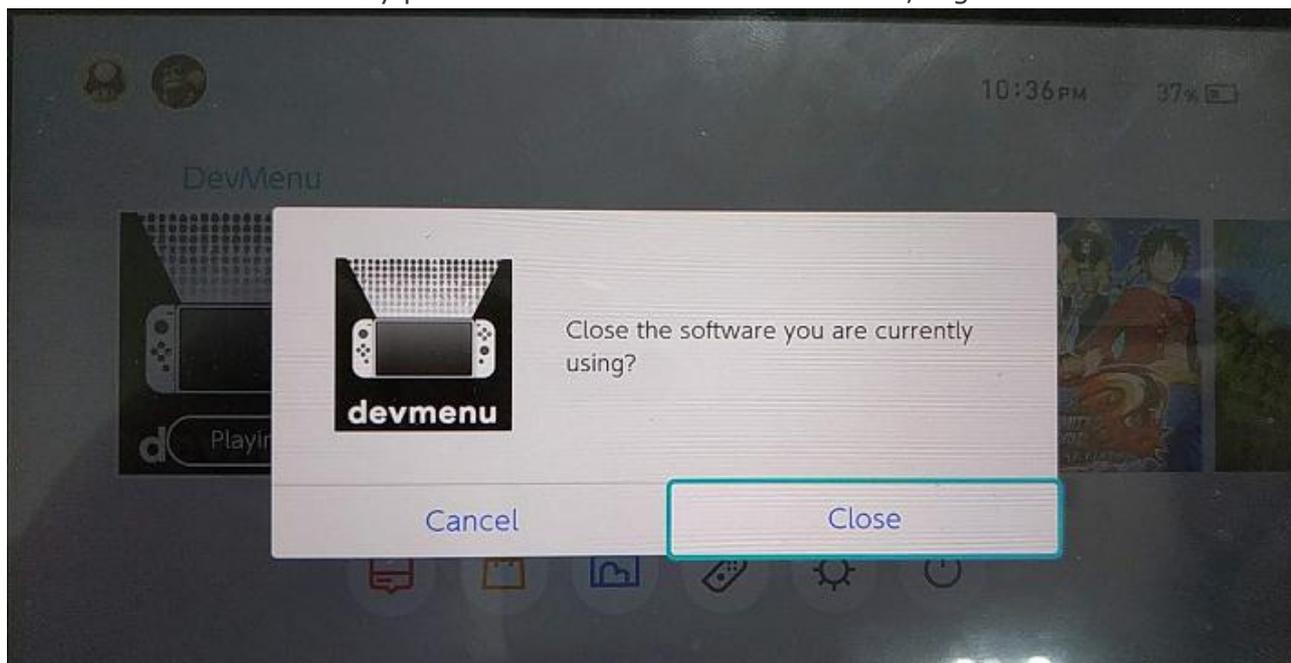6. Go back home screen by press Home button. A new devmenu icon will come out.
   Open it.

7. Now devmenu will come out，click on "install from SD", NSP files list shows the files   inside NSP folder of SD card

8. Select nsp file from the list, press A to start installation.

9. Go back home screen by press Home button. Close devmenu, A game icon will come out.

Install XCI game

1. Down free DEMO game，US version of "Shining Resonance Refrain Demo" is recommended.
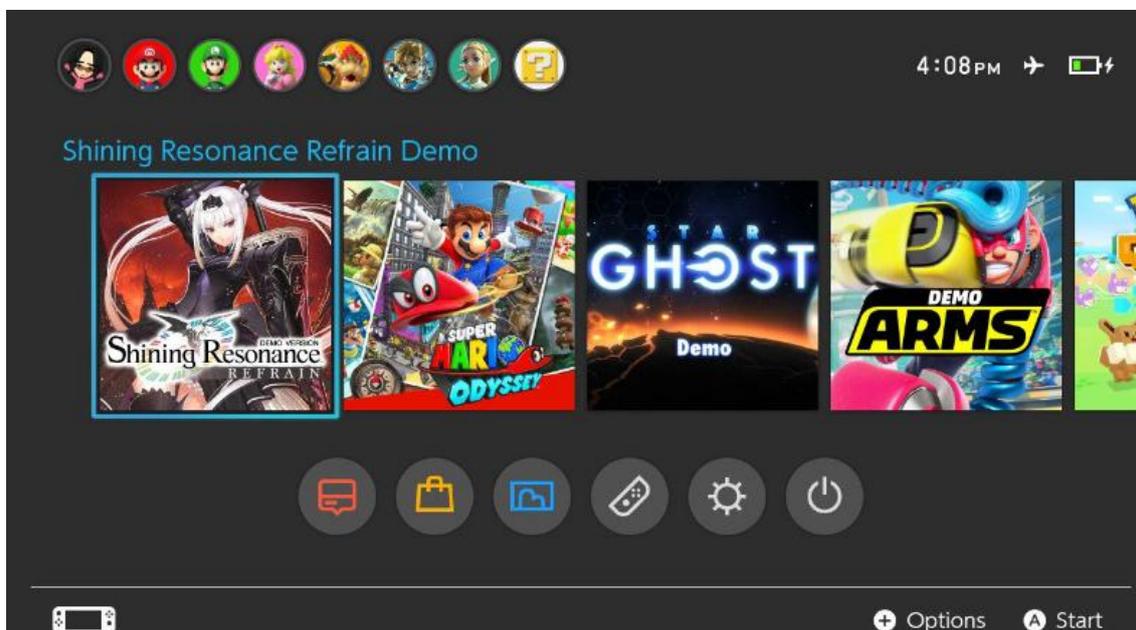
2. Convert download xci file in PC using one-key-conversion tool.
   （download link:https://bit.ly/2MVypgD or https://bit.ly/2o2XdZx）

Note：
i. One-key-conversion tool doesn't support non standard characters and space, make sure the xci files and target npdm files and directories don't have non standard characters and space.
Ii. When conversion finish,Title id will be shown. If no Title id shown, means either wrong xci file, or the file name or directory name problem as described in note i.
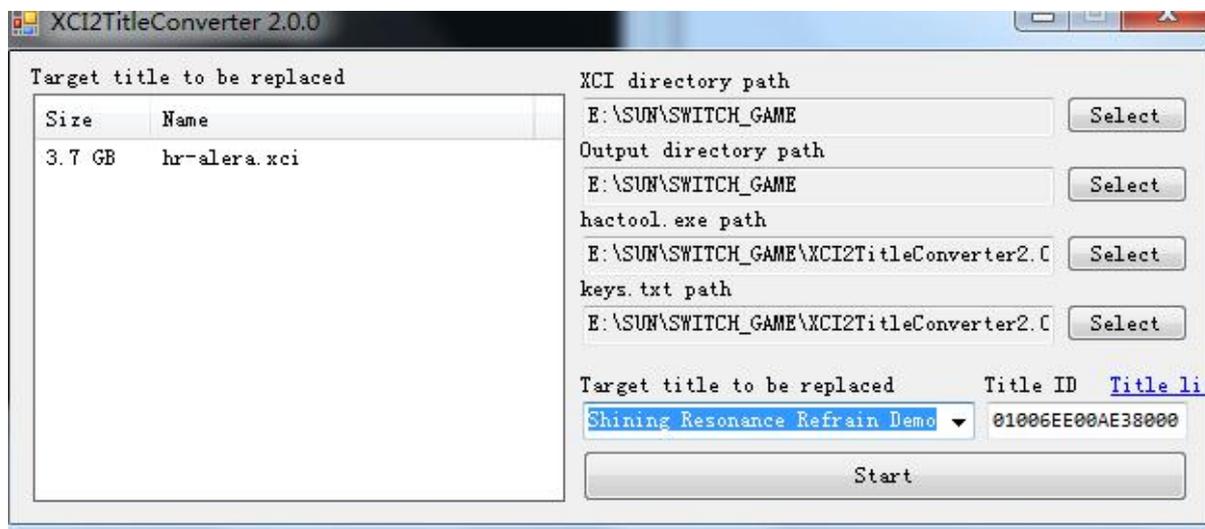
3. If there is no error, a new title id directory will be created.

01006EE00AE38000	2018/8/1 14:33	文件夹
XCI2TitleConverter2.0	2018/8/1 14:33	文件夹
hr-alera.xci	2018/7/13 12:12	XCI 文件

4. Copy newly created title id directory to the Backups directory of SD.

atmosphere	2018/8/1 9:28
Backups	2018/8/1 9:28
EdiZon	2018/8/1 9:31
modules	2018/8/1 9:31
Nintendo	2018/8/1 9:31
NSP	2018/8/1 9:31
switch	2018/8/1 9:31
tinfoil	2018/8/1 9:31
_plague_table	2018/7/31 17:59
bootlogo.bmp	2018/7/5 21:38
hbmenu.nro	2018/7/22 0:39
hekate_ipl.ini	2018/7/22 14:35
info.json	2018/3/2 18:20
manifest.install	2018/5/29 21:55

5. Insert SD card to the console, repeat **step IV** boot up system.

6. Click Album, then click "mod_Plague".
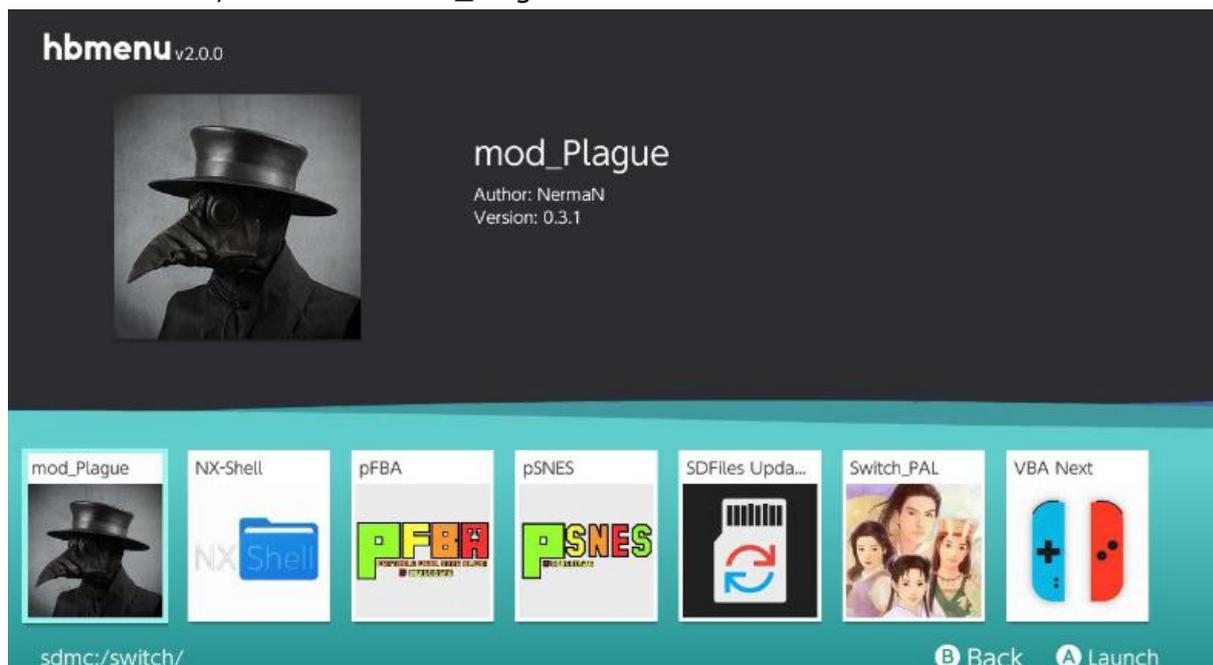
7. The following screen will appear.

```
Htmosphere mod Plague backup selector v0.3 by NermaN
[Current redirections: ]

Dead entries: 1

Press X to add new redirection
Press Y to remove redirection
Press A to change current selected redirection
```

Press "X" key，then select"Shining Resonance Refrain Demo".

```
[Installed titles list: ]
 Shining Resonance Refrain Demo - 01006ee00ae38000
 SUPER MARIO ODYSSEY - 0100000000010000
 Star Ghost Demo - 01005ae00a528000
 ARMS Demo - 0100a5400ac86000
 Pokémon Quest - 01005d100807a000
 INVERSUS Deluxe Demo - 010009100845a000
 ÏäüÏä-Ïäüïäéïäéïä3⁄4ïéñïïä|Ï§§ÿüÑÿ£¼Ÿ¶ÿÿ¡Ïïü²Ïïüñïïü-ïïüäïïü«ÿùä - 0100b9400654e000

 Happy Birthdays DEMO - 010096e008baa000
 MIGHTY GUNVOLT BURST DEMO - 010045b00849c000
 Super One More Jump Demo - 010088f00ad80000
 Lode Runner Legacy Demo Version - 010086500ac4a000
 Kid Tripp Demo - 010093e00acb0000
 Fallout Shelter - 010043500a17a000
 Oceanhorn Demo - 010090b005150000
 Urban Trial Playground Demo - 010040b00ae0e000
 ÿ£¦Ïïü°ïé¦ïïääïéééÿïä³ Σⁿ6ø¿6ïéé - 010025000b836000
 EARTH WARS - 01009b7006c88000
 VOEZ Demo - 01008d00062c2000
 Heroes of the Monkey Tavern demo - 0100f4f006eb0000
 Heroes of the Monkey Tavern demo - 01006bb0091f4000
 ÏïüÏ¦¦ïïüïïüïïäääïé¦ïïä3⁄4 Pic-a-Pix Deluxe Σⁿ6ø¿6ïéé - 0100df000a188000
 Pic-a-Pix Deluxe Demo - 0100aac008ada000
 Ïïü¡ïéêïïü-ïïüïïä3⁄4ïéñïïä3⁄4ïéñûⁿüïé¦ïïäüïïä-ïïä|ïé½ïä3⁄4Σⁿ6ø¿6ïéé - 0100f12002fc8000
 DRAGON QUEST BUILDERS (Demo) - 0100d59006266000
 Violett Demo - 01003b2009d18000
 Vostok Inc. - 01004d8007368000
 Dark Witch Music Episode: Rudymical Demo - 010047a008760000
 BLAZBLUE CROSS TAG BATTLE - 0100c6e00af2c000
 Aegis Defenders Demo - 010064500af72000
 The Bridge Demo - 0100e3500b00e000
```

8. Press "A" key，Select the newly copied title id folder.

```
[Backups: ]

01006EE00AE38000
```

9. Press "A"key all the way.

```
npdm path: sdmc:/backups/SteamWorld Dig 2/exefs/main.npdm
Current NPDM title id: 01006ee00ae38000
Replacing with: 01006ee00ae38000

Press A to continue
```

10. When the screen shown below appear, installation is complete successfully. Congratulations!
Press "HOME", load new game by select 'Shining Resonance Refrain Demo' enjoy！！

```
Htmosphere mod Plague backup selector v0.3 by NermaN
[Current redirections: ]
 Shining Resonance Refrain Demo (01006ee00ae38000) => SteamWorld Dig 2

Dead entries: 0

Press X to add new redirection
Press Y to remove redirection
Press A to change current selected redirection
```