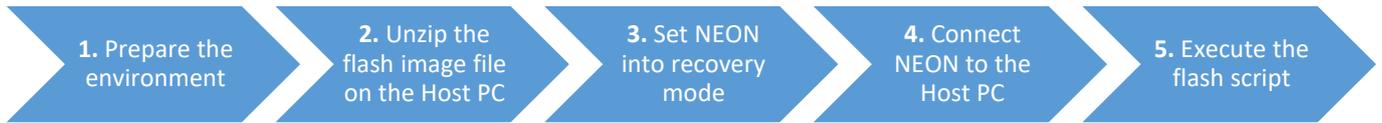


Follow these steps flash the NEON-2000-JNX.

The following flowchart is the process of NEON emmc system flashing.



Step 1-1: Download the flash image from ADLINK official website.

(The name of the flash image will be JNX_JP44_(Version).tar.gz)

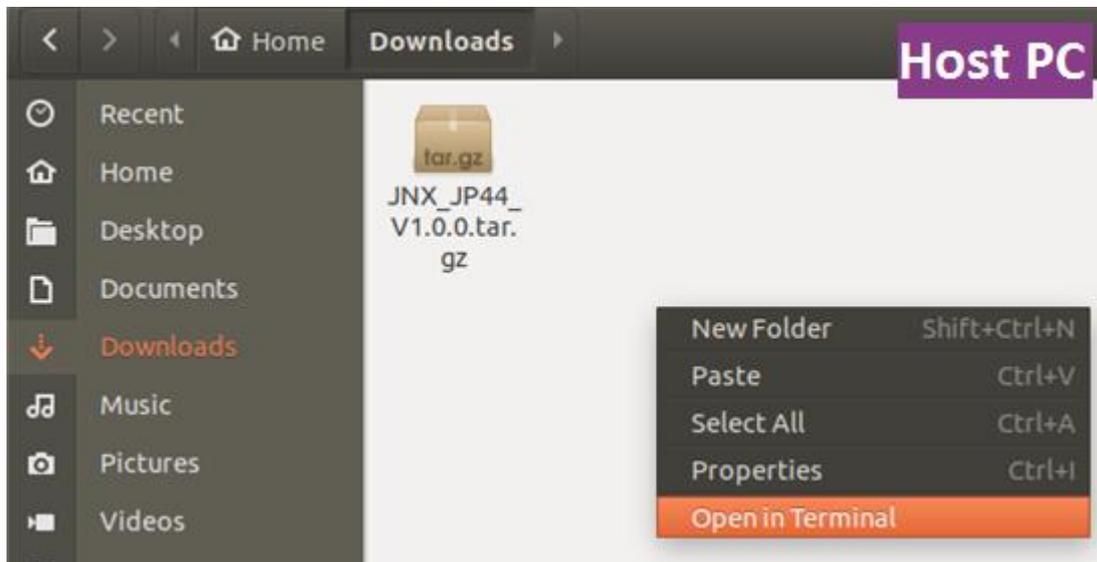
Step 1-2: Prepare a computer (OS is Linux Ubuntu) as Host PC.

※ **Do not** use virtual Machine as Host PC

※ Recommend use Ubuntu 18.04

Step 2-1: Save the flash image on the Host PC.

Step 2-2: Open the file containing the Flash image, and then right click to open terminal.



Step 2-3: Execute the command to unzip the Flash image.

```
tar -zxvf JNX_JP44_(Version).tar.gz
```

```
adlink@adlink-MXC6400:~/Downloads$ tar -zxvf JNX_JP44_v1.0.0.tar.gz
JNX_JP44_v1.0.0/
JNX_JP44_v1.0.0/mb1_cold_boot_bct_MB1.bct
JNX_JP44_v1.0.0/tos-mon-only.img
JNX_JP44_v1.0.0/cbo.dts
JNX_JP44_v1.0.0/mce_c10_prod_cr_sigheader.bin_list.xml
JNX_JP44_v1.0.0/mb1_t194_prod_sigheader.bin.encrypt
JNX_JP44_v1.0.0/nvaflash.sh
```

Step 3-1: Power on the NEON-2000-JNX.

Step 3-2: Short pins 5 and 6 on the wafer connector.

(In this example, we short the two pins with the jumper provided by ADLINK.)



Step 3-3: Short pins 3 and 4 for two seconds (The Power LED will light out)



Step 3-4: Open pins 3 and 4. (The Power LED will light up)



Step 4-1: Connect the NEON-2000-JNX to the **Host PC** with the Micro-USB to USB Type-A cable.
(Connect cable to Usb3.0 port at Host PC will speed up the flash procedure.)

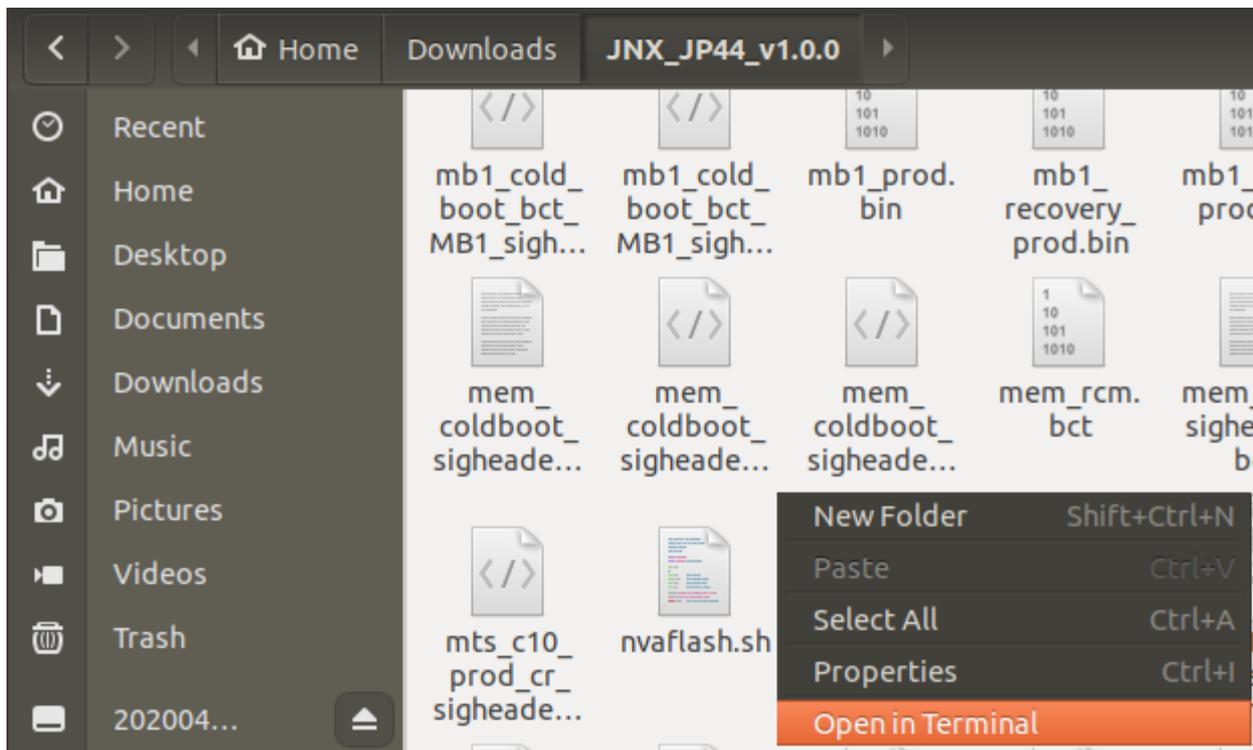


Step 4-2: Open terminal to execute the **lsusb** command on the Host PC. If **NVIDIA Corp.** is in the resulting list, the NEON-2000-JNX has successfully entered recovery mode.

```
adlink@adlink-MXC6400: ~  
File Edit View Search Terminal Help  
adlink@adlink-MXC6400:~$ lsusb  
Bus 002 Device 002: ID 8564:4100 Transcend Information, Inc.  
Bus 002 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub  
Bus 001 Device 020: ID 045e:00cb Microsoft Corp. Basic Optical Mouse v2.0  
Bus 001 Device 019: ID 046d:c31c Logitech, Inc. Keyboard K120  
Bus 001 Device 003: ID 8564:4100 Transcend Information, Inc.  
Bus 001 Device 021: ID 0955:7e19 NVidia Corp.  
Bus 001 Device 002: ID 0bda:0301 Realtek Semiconductor Corp. multcard reader  
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub  
Bus 004 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub  
Bus 003 Device 002: ID 064f:2af9 WIBU-Systems AG  
Bus 003 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
```

Host PC

Step 5-1: Open the file containing the Flash image, and then right click to open terminal.



Step 5-2: Execute the flash script to begin flashing the NEON-2000-JNX, when the text **Flash complete (SUCCESS)** is displayed, that the emmc system flashing procedure is completed.

Sets the permission of the flash script :

```
sudo chmod +x flash.sh
```

Execute the flash script:

```
sudo ./flash.sh
```

```
adlink@adlink-MXC6400:~/Downloads/JNX_JP44_v1.0.0$ sudo chmod +x flash.sh
[sudo] password for adlink:
adlink@adlink-MXC6400:~/Downloads/JNX_JP44_v1.0.0$ sudo ./flash.sh
Start flashing device: 1-3, PID: 5652
Ongoing processes: 5652
```

Host PC

```
Ongoing processes: 5652
Ongoing processes: 5652
Ongoing processes: 5652
Ongoing processes:
Flash complete (SUCCESS)
adlink@adlink-MXC6400:~/Downloads/JNX_JP44_v1.0.0$
```

Host PC