

GTC-Upgrade Guide(EN)-XPI3566 Raspberry PI V1.1

REVISION HISTORY

Time	Version	Reason of change	Author	Remake
14/07/2023	1.0	Create a document	CM	
24/07/2023	1.1	Firmware update	CM	

Driver download link :

<https://mega.nz/file/tgFXyCRC#ZsNvsWpkaxmreSemrrsE6OvAvFBa4HTUVLLmpVPVq6Y>

RKDevTool's&FW download link :

<https://mega.nz/file/fQVyRKAD#sZxaLTdrAHZnj6OJHBheaQMYOUx5DNFMDeGvWEH2j6w>

1. Hardware preparation :

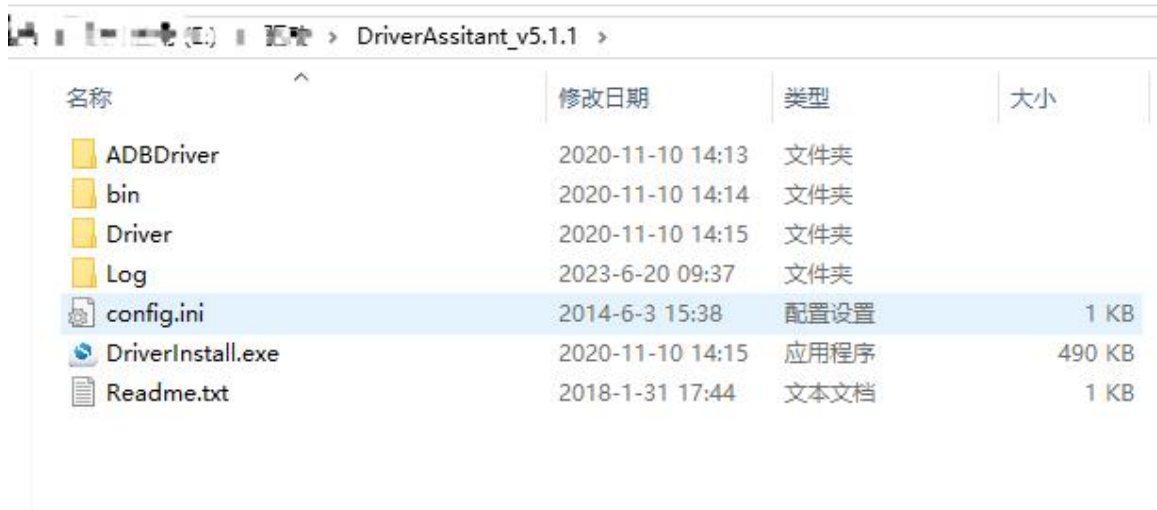
- Type-c power cable
- USB burning cable
- PC (Take my computer for example: win10)
- XPI3566 RK3566 device



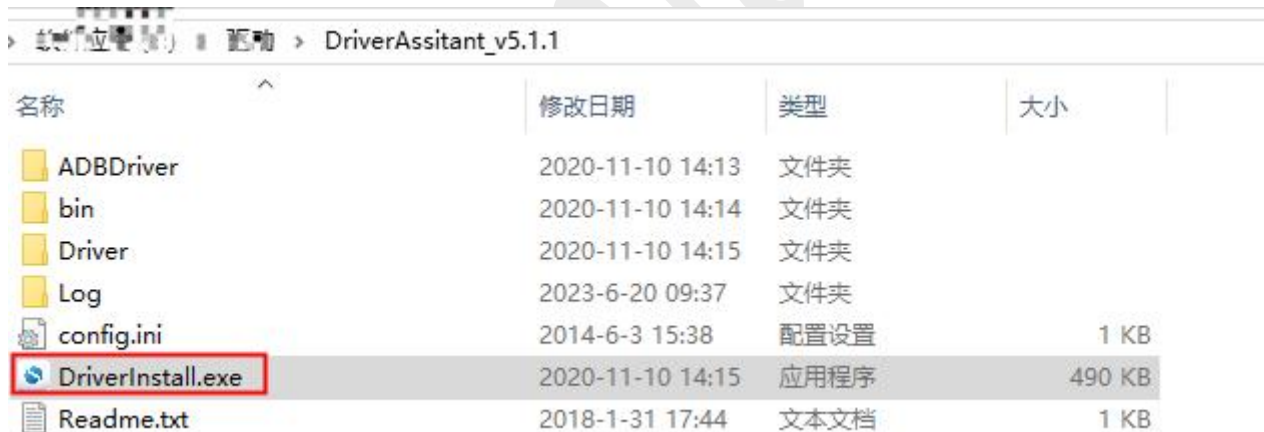
Note: If the computer cannot recognize the USB burning mode, you can install the driver and try again; If the PC burns normally, the driver installation can be ignored.

2. Burning tool driver installation :

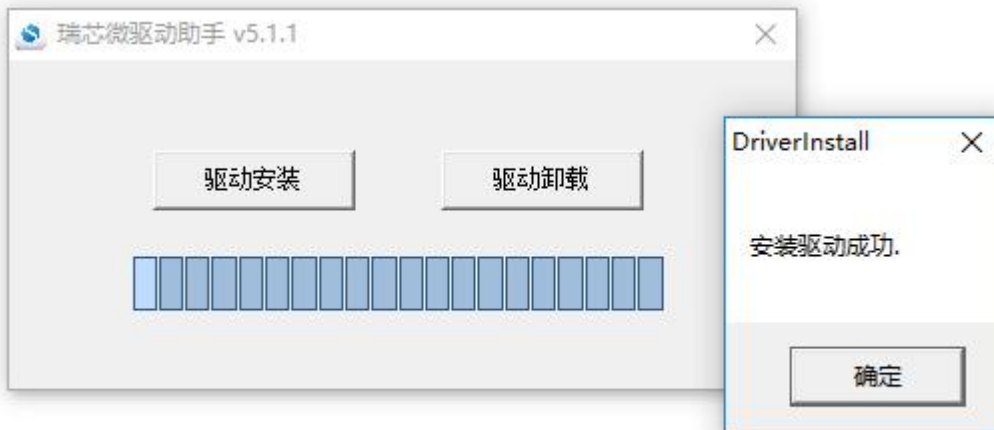
(1) Download the driver and unzip it, as shown below:



(2) Double-click "DriverInstall.Exe" -> Click "驱动安装", as shown below:



(3) If the installation is successful, click“确定”.



3.Burning steps:

(1) Download and decompress the firmware version:rk3566-xpi-pi_RCB211030-base_hwV1.1_20230330161930.tar.gz, Unzip the update.img burning package ; As shown in the picture below:



(2) Go to the RKDevTool_Release folder, open the config.ini file and change Selected=2 to make the tool language displayed in English,then double click to run RKDevTool.exe.

Note: If RKDevTool_Release isn't included in the system package, please skip this step

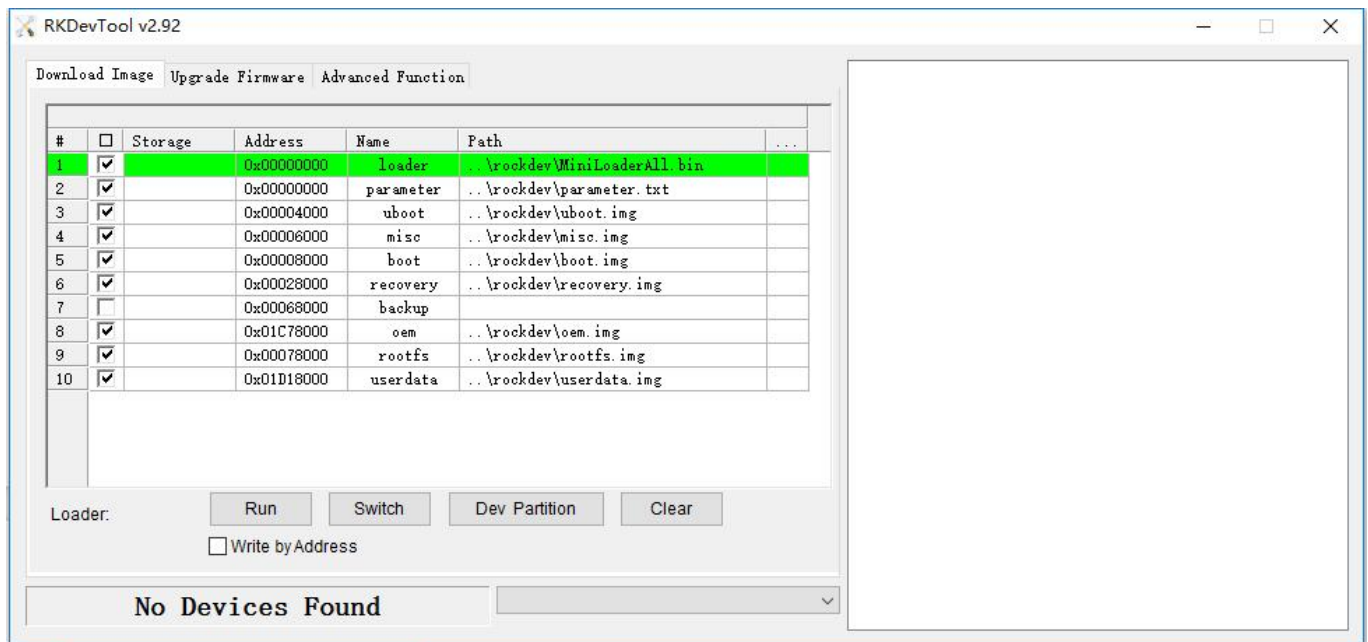
rk3566-xpi-pi_RCB211030-base_hwV1.1_20230330161930 > RKDevTool_Release >

名称	修改日期	类型	大小
bin	2023-3-30 16:19	文件夹	
Language	2023-3-30 16:19	文件夹	
Log	2023-7-4 11:08	文件夹	
config.cfg	2023-3-30 16:19	CFG 文件	6 KB
config.ini	2023-3-30 16:19	配置设置	2 KB
orion-config.cfg	2023-3-30 16:19	CFG 文件	7 KB
px3se-config.cfg	2023-3-30 16:19	CFG 文件	7 KB
px30-config.cfg	2023-3-30 16:19	CFG 文件	7 KB
readme.txt	2023-3-30 16:19	文本文档	1 KB
revision.txt	2023-3-30 16:19	文本文档	2 KB
rk312x-config.cfg	2023-3-30 16:19	CFG 文件	6 KB
rk356x-config.cfg	2023-3-30 16:19	CFG 文件	6 KB
rk1808-config.cfg	2023-3-30 16:19	CFG 文件	7 KB
rk3036-config.cfg	2023-3-30 16:19	CFG 文件	7 KB
rk3128-config.cfg	2023-3-30 16:19	CFG 文件	7 KB
rk3128h-config.cfg	2023-3-30 16:19	CFG 文件	7 KB
rk3229-config.cfg	2023-3-30 16:19	CFG 文件	7 KB
rk3288-config.cfg	2023-3-30 16:19	CFG 文件	7 KB
rk3308-config.cfg	2023-3-30 16:19	CFG 文件	6 KB
rk3326-config.cfg	2023-3-30 16:19	CFG 文件	7 KB
rk3328-config.cfg	2023-3-30 16:19	CFG 文件	7 KB
rk3399-config.cfg	2023-3-30 16:19	CFG 文件	7 KB
rk3588-config.cfg	2023-3-30 16:19	CFG 文件	6 KB
RKDevTool.exe	2023-3-30 16:19	应用程序	1,205 KB
RKDevTool_manual_v1.2_cn.pdf	2023-3-30 16:19	PDF 文件	530 KB
RKDevTool_manual_v1.2_en.pdf	2023-3-30 16:19	PDF 文件	448 KB
rv1126_rv1109_tb-config.cfg	2023-3-30 16:19	CFG 文件	3 KB
rv1126_rv1109-config.cfg	2023-3-30 16:19	CFG 文件	6 KB
rv1126_rv1109-config-ab.cfg	2023-3-30 16:19	CFG 文件	7 KB
开发工具使用文档_v1.0.pdf	2023-3-30 16:19	PDF 文件	450 KB

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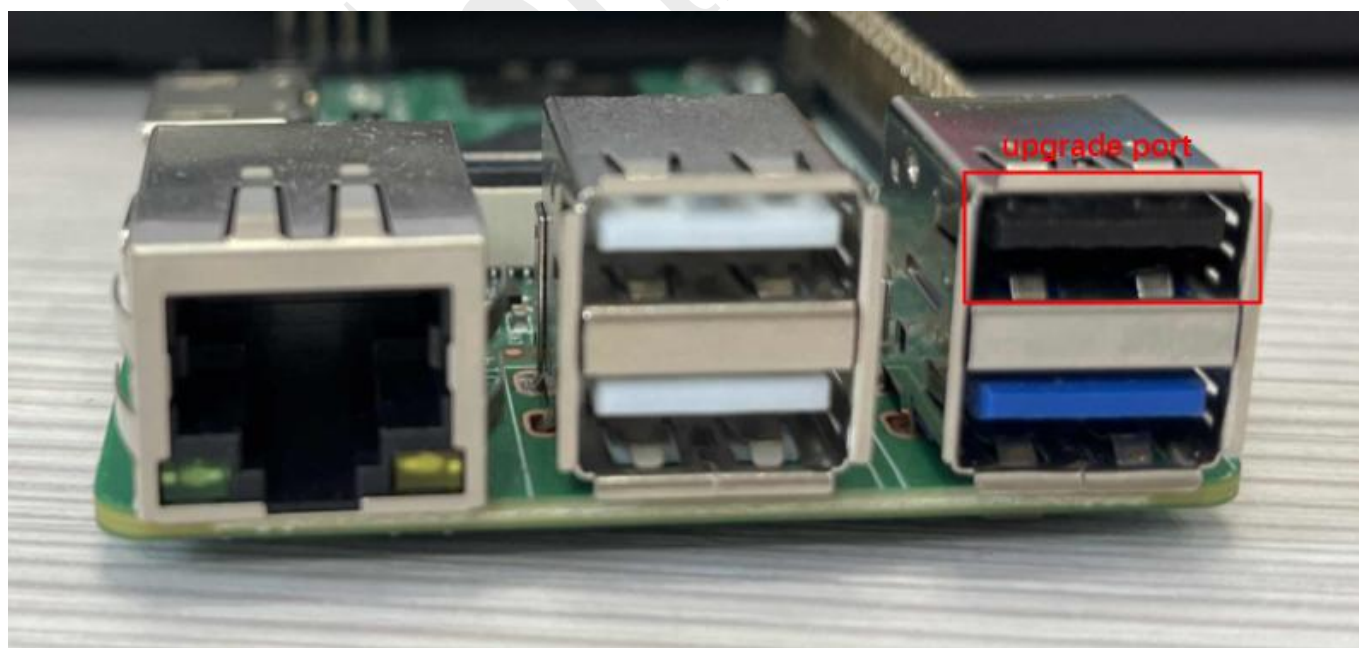
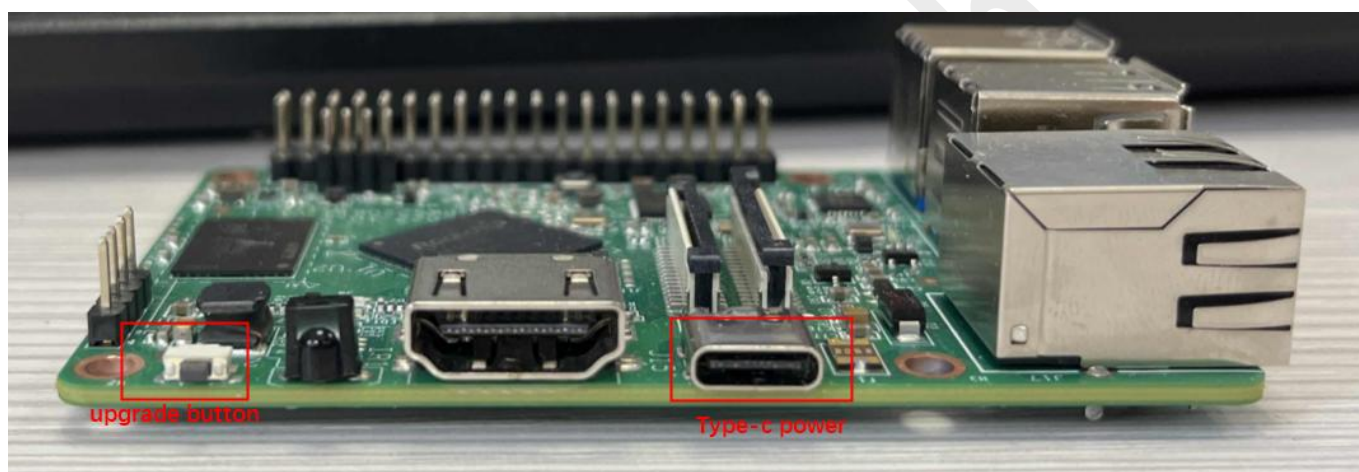
1  #选择工具语言:Selected=1(中文);Selected=2(英文)
2  [Language]
3  Kinds=2
4  Selected=2
5  LangPath=Language\
6
7  Lang1File=Chinese.ini
8  Lang1FontName=宋体
9  Lang1FontSize=9
10
11  Lang2File=English.ini
12  Lang2FontName=Arial
13  Lang2FontSize=9
14
15  [System]
16  #自定义MSC,ADB,MTP和UVC设备的VID和PID,十六进制

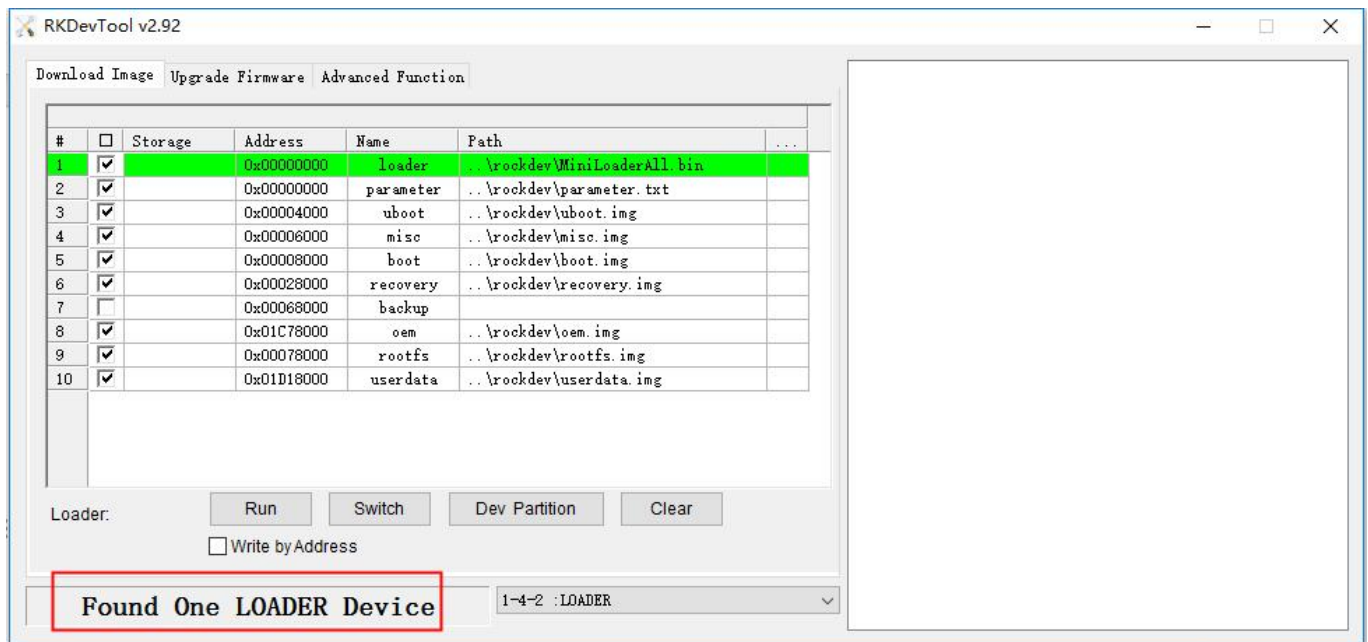
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(3) Hold down the upgrade button (on the side of the board - as shown below), connect the PC via both USB burning cables, hold down the upgrade button for 5-10 seconds after power-on, until "Found One LOADER Device" (find a loading device) appears in the tool, see the picture below:

If the tool cannot find the device, reconnect the computer using both ends of the USB burning cable and power on the device while holding the upgrade button for 5-10 seconds. It will prompt " Found One MASKROM Device".

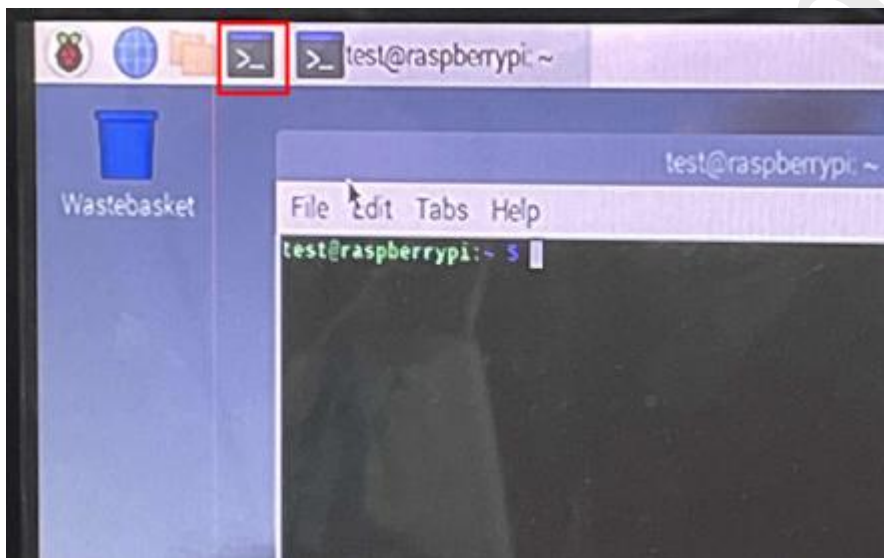
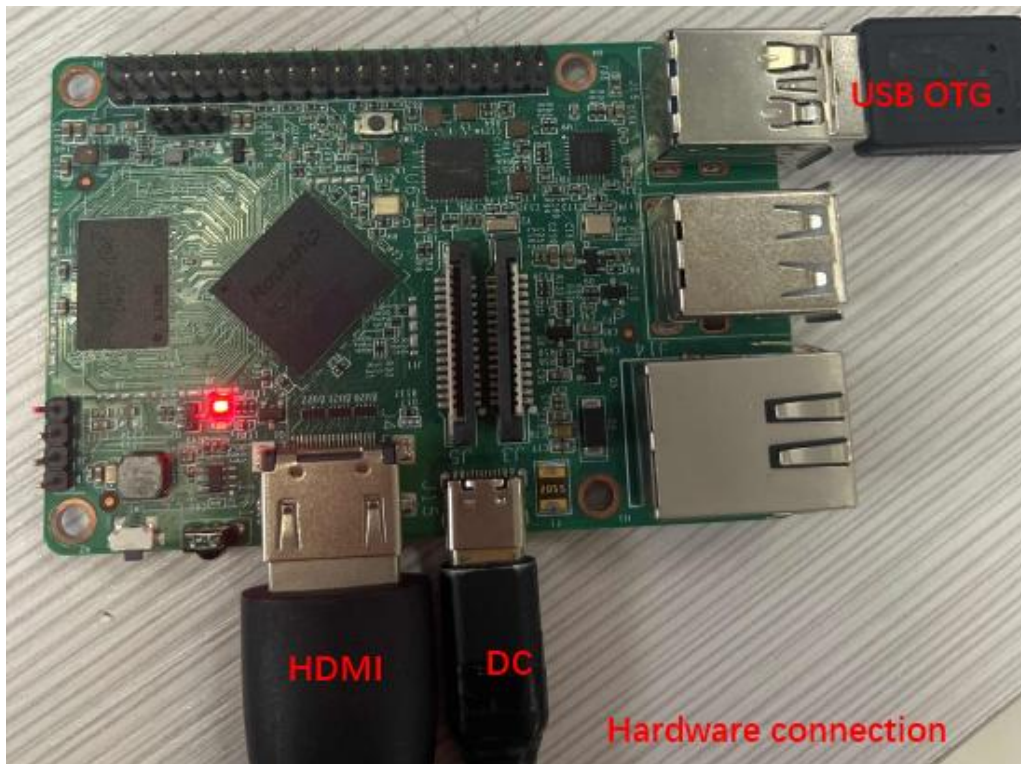




Note: If the loader mode cannot be entered by pressing the upgrade button, perform the following operations. If the upgrade button can enter the loader mode, the following two methods are ignored.

Method 1

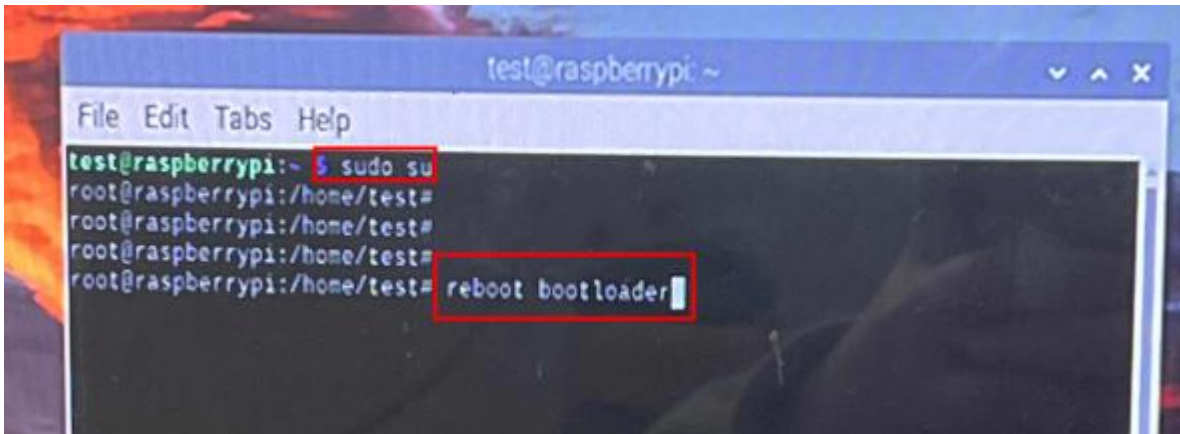
- ❖ After the system is started, the HDMI is displayed normally. Open Terminal on the desktop and go to the command operator window. As shown in the picture below:



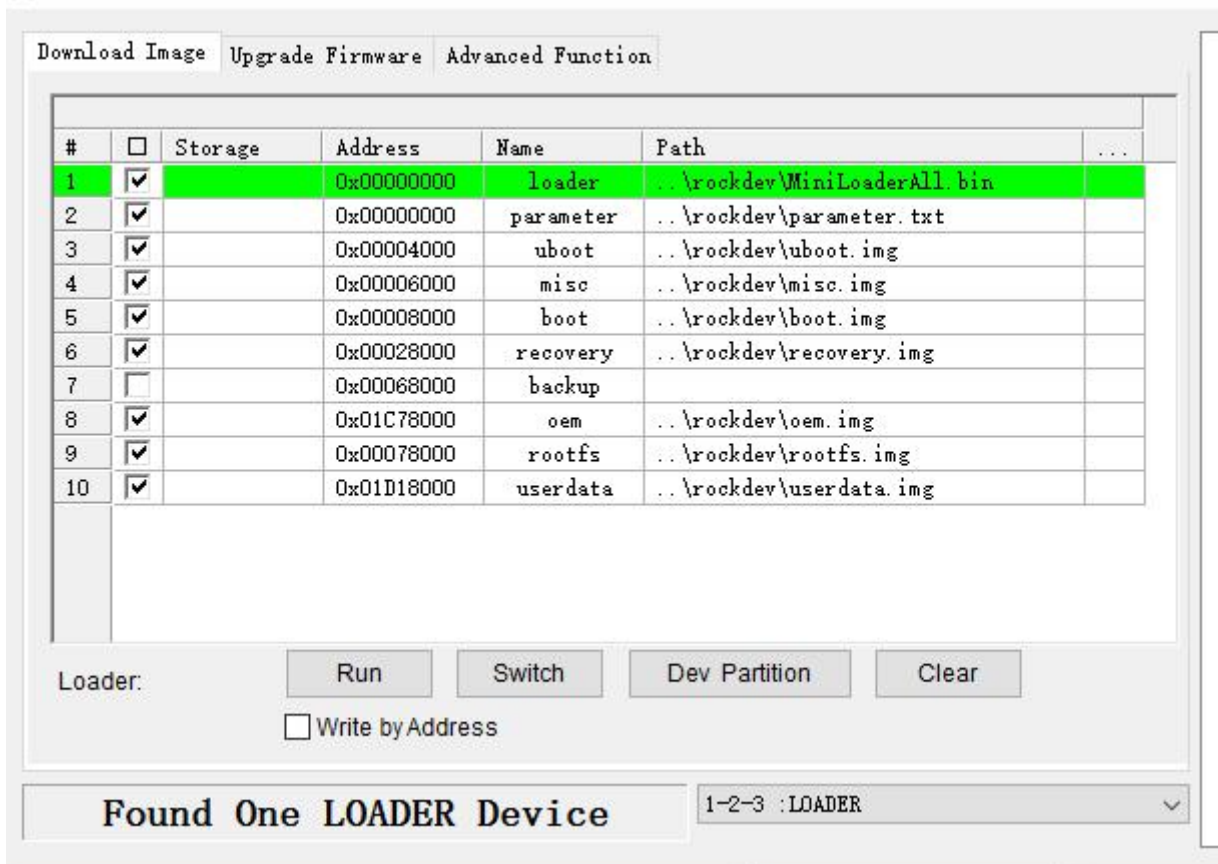
❖ In the operation command window, run the following commands:

sudo su //Enter root permission

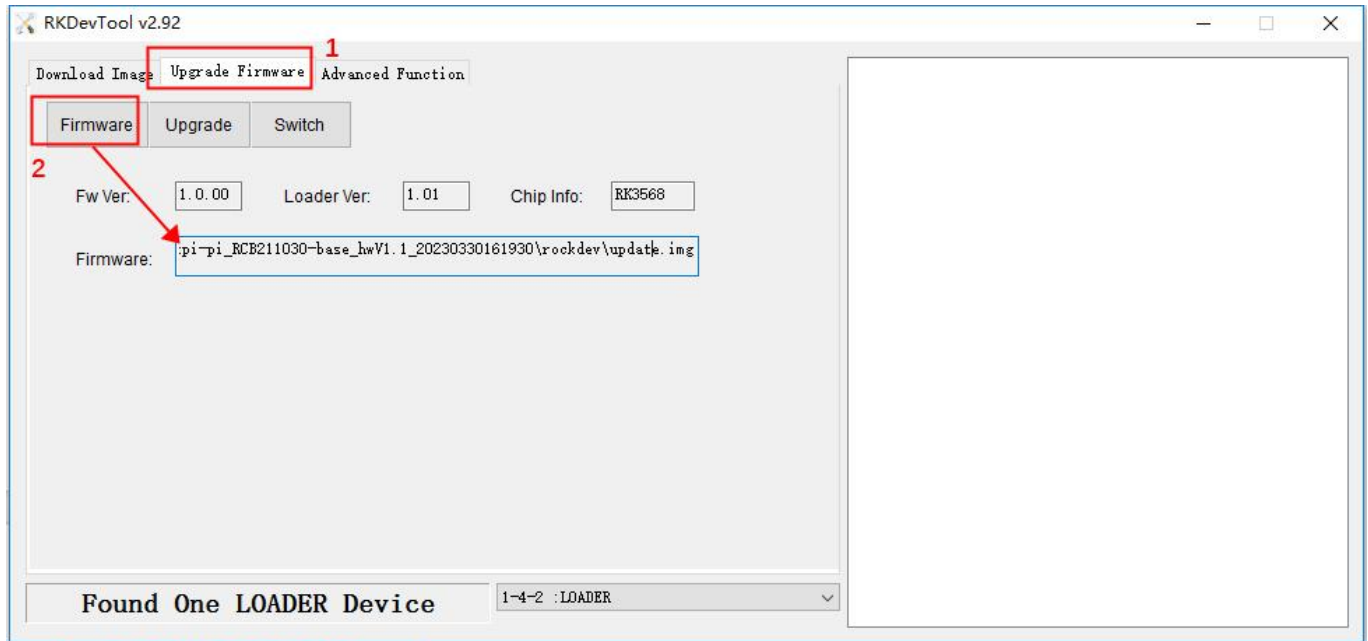
reboot bootloader //Enter Loader mode



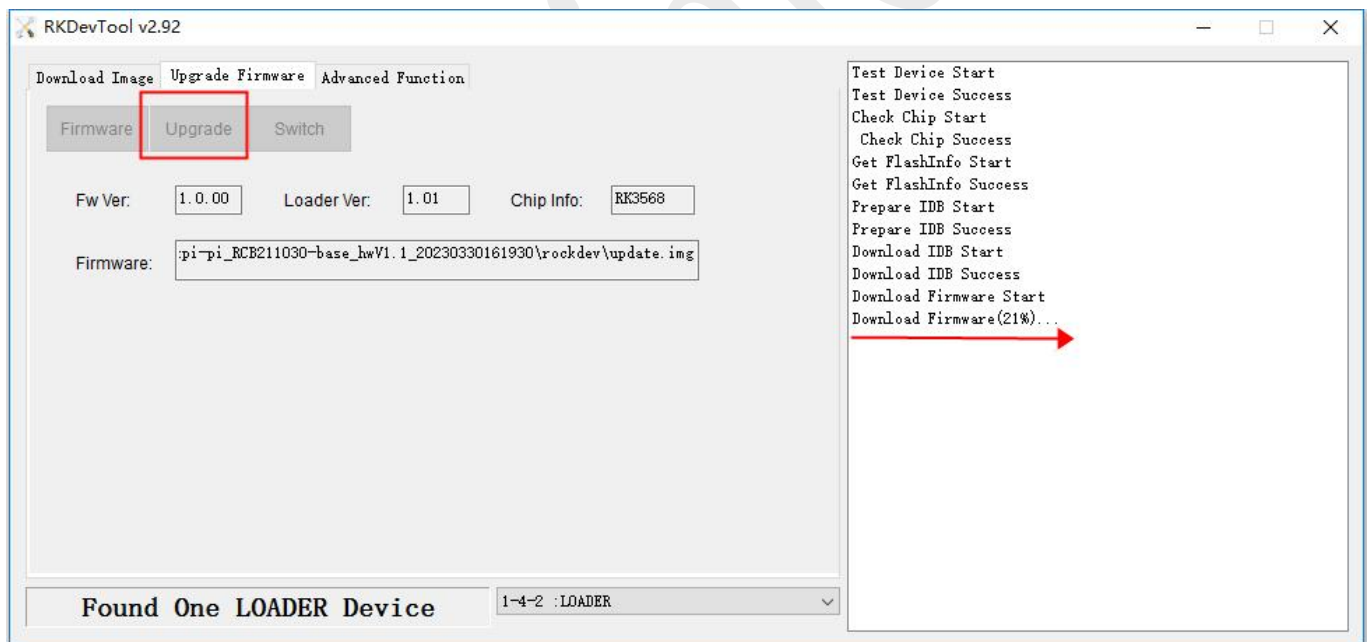
RKDevTool v2.92

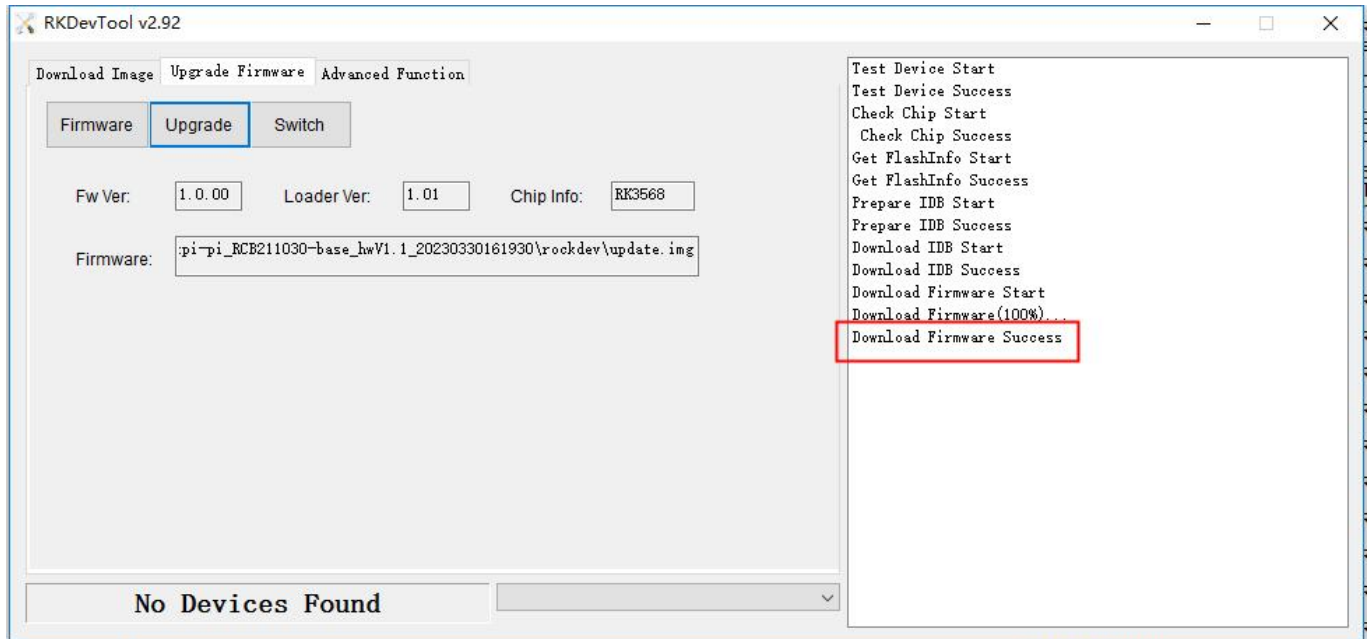


(4) Click "Upgrade Firmware" and click "Firmware" to load the update.img burning package. As follows:



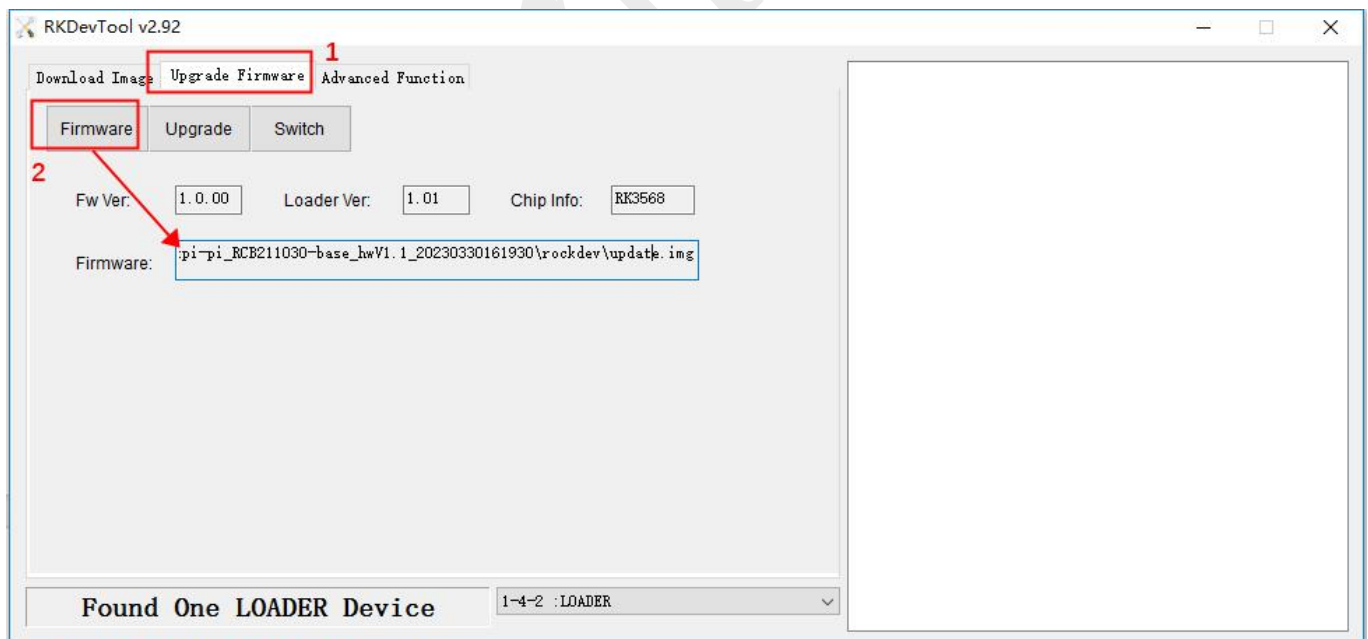
(5) Click “Upgrade”. The detailed information about the upgrade is displayed on the right. After the upgrade is complete, the box automatically restarts and the interface is displayed normally.

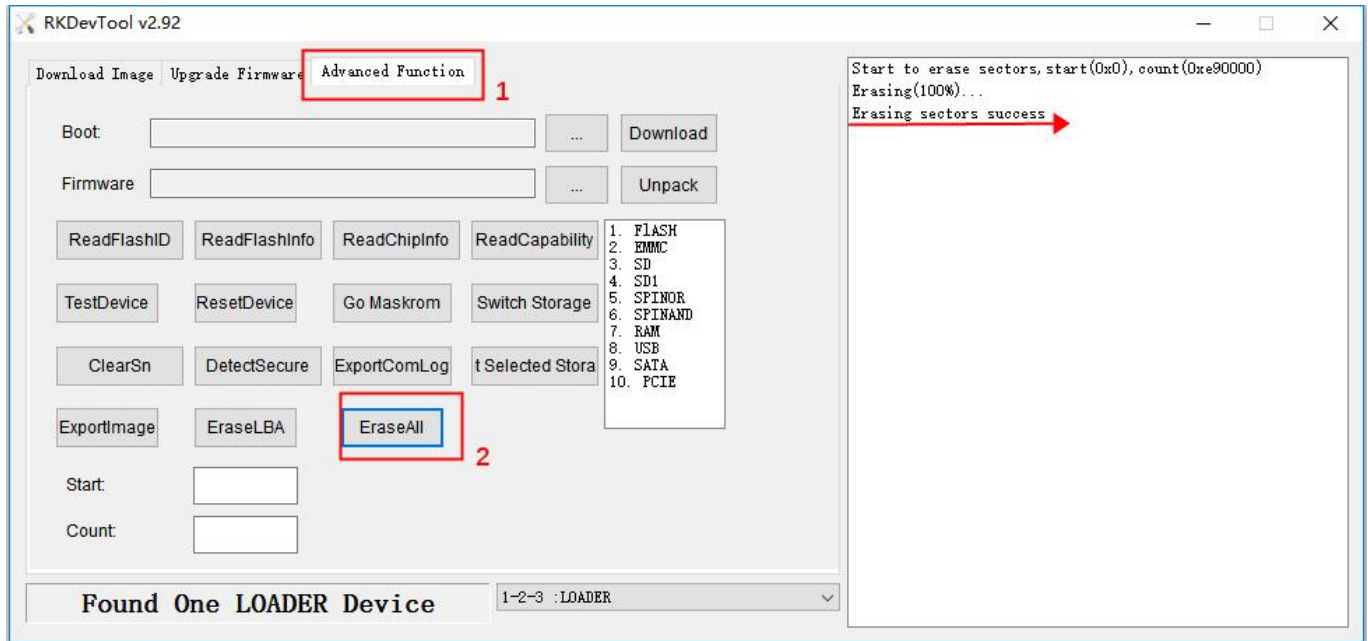




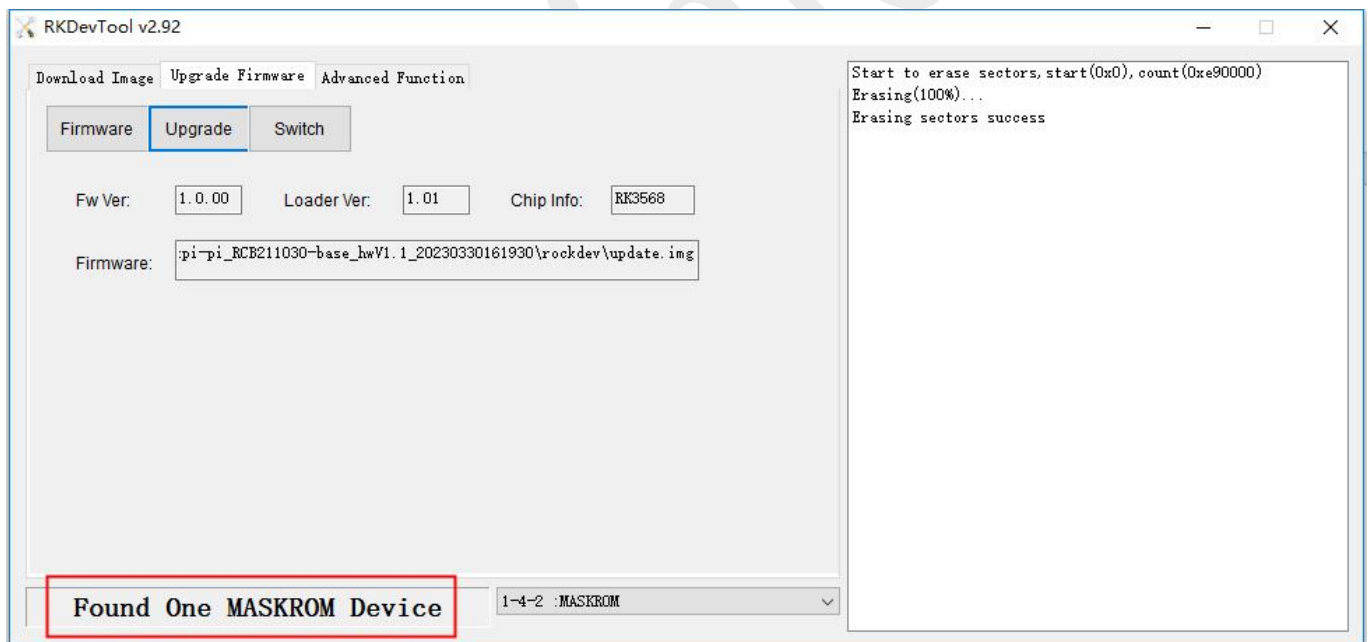
Remarks:

1. If you are upgrading from Android to Linux or from Linux to Android, delete Flash first.
 - a. Load update.img, select "Advanced Function", and click "Erase All". The Success dialog box is displayed.





b. After the erasing is complete, power off and restart. The message "Found One MASKROM Device" is displayed, and then continue to perform Step 5 above to burn the system.



c. If the burning tool RKDevTool.exe can identify the LOADER/MASKROM Device, Rockusb Device can also be found in Device Manager on PC. If no, check whether the driver is installed properly or whether the steps are correct.

