

# Buildroot Linux Qt 5.15 OS

## document

2021, Chipsee

Content can change at anytime and best to refer to [website](#) for latest information.

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# Buildroot Linux Qt 5.15 OS

## Buildroot Linux Qt 5.15 OS on RK3568 User Manual



## Flashing OS Image

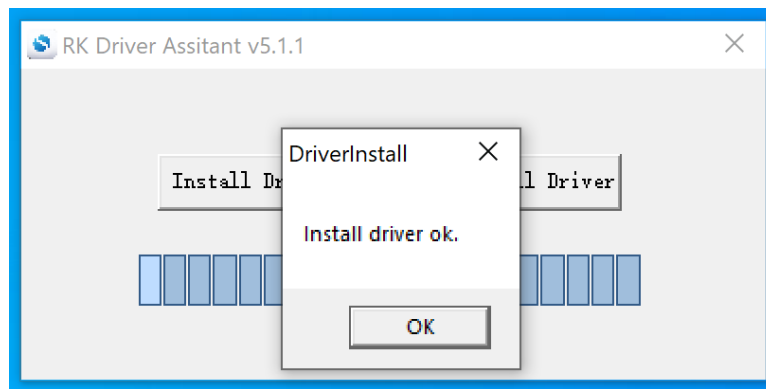
### Download Required Tools

You need two tools to flash the Buildroot Linux Qt 5.15 OS image to the RK3568 PC. The first is *DriverAssistant\_v5.1.1*, the second is *RKDevTool\_v2.93*, you can [download all of them here](#).

These tools are Windows executables, please execute them on a Windows machine.

If you've been using a prior version of *DriverAssistant*, click uninstall before installing *DriverAssistant\_v5.1.1*.

Name	Date modified	Type	Size
ADBDriver	2/26/2023 9:21 AM	File folder	
bin	2/26/2023 9:21 AM	File folder	
Driver	2/26/2023 9:21 AM	File folder	
Log	1/11/2023 11:24 AM	File folder	
config	6/3/2014 3:38 PM	Configuration settings	1 KB
DriverInstall	11/10/2020 2:15 PM	Application	490 KB




## Download Prebuilt OS Images

If you haven't downloaded the prebuilt OS images, you can [find one here](#).

## Start Flashing

After installing the DriverAssistant, you can now start to flash an OS image to the RK3568 board with *RKDevTool*. Double click the program to start flashing. The tool has English and Chinese language support.

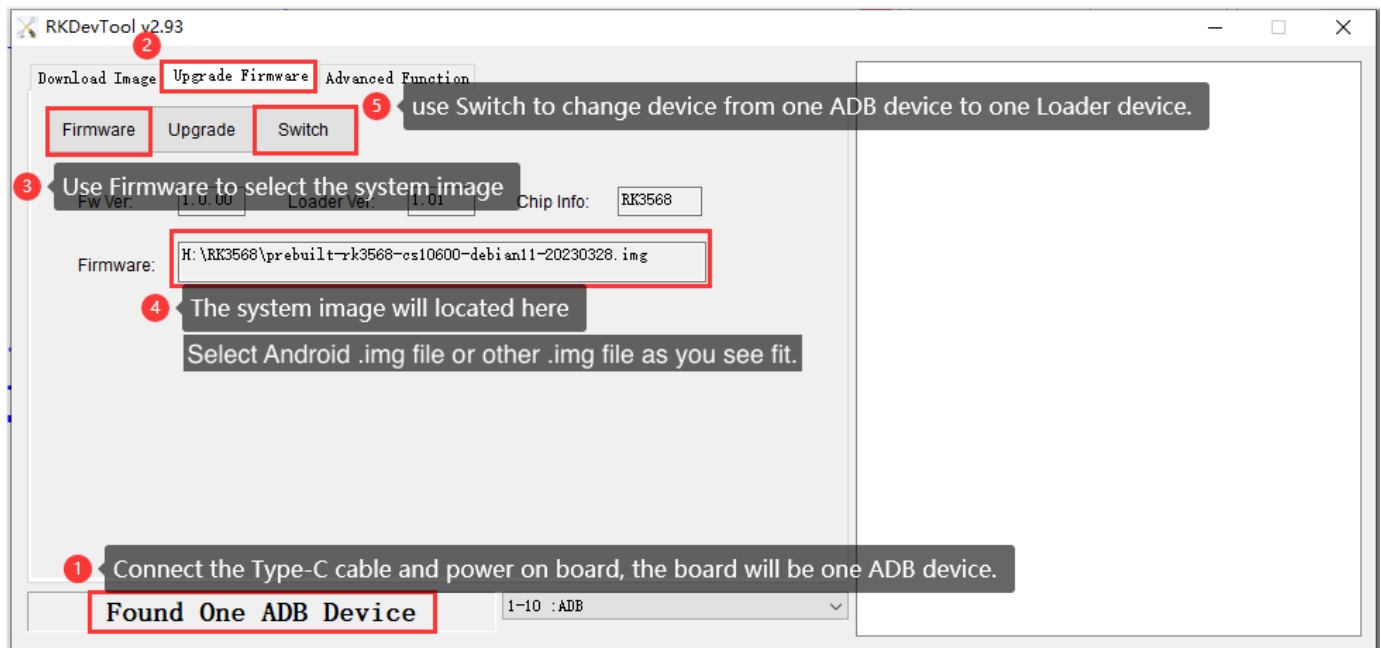
is PC > Downloads > RKDevTool\_Release\_v2.93 > RKDevTool\_Release\_v2.93

Name	Date modified
bin	2/26/2023 9:21 AM
Language	5/23/2023 8:10 AM
Log	5/23/2023 8:10 AM
Android7_to_Android11	10/18/2022 10:57 AM
config.cfg	5/23/2023 8:11 AM
config	5/23/2023 8:11 AM
README	10/18/2022 11:10 AM
revision	1/19/2022 5:38 PM
 RKDevTool	1/19/2022 5:37 PM

### STEP 1:

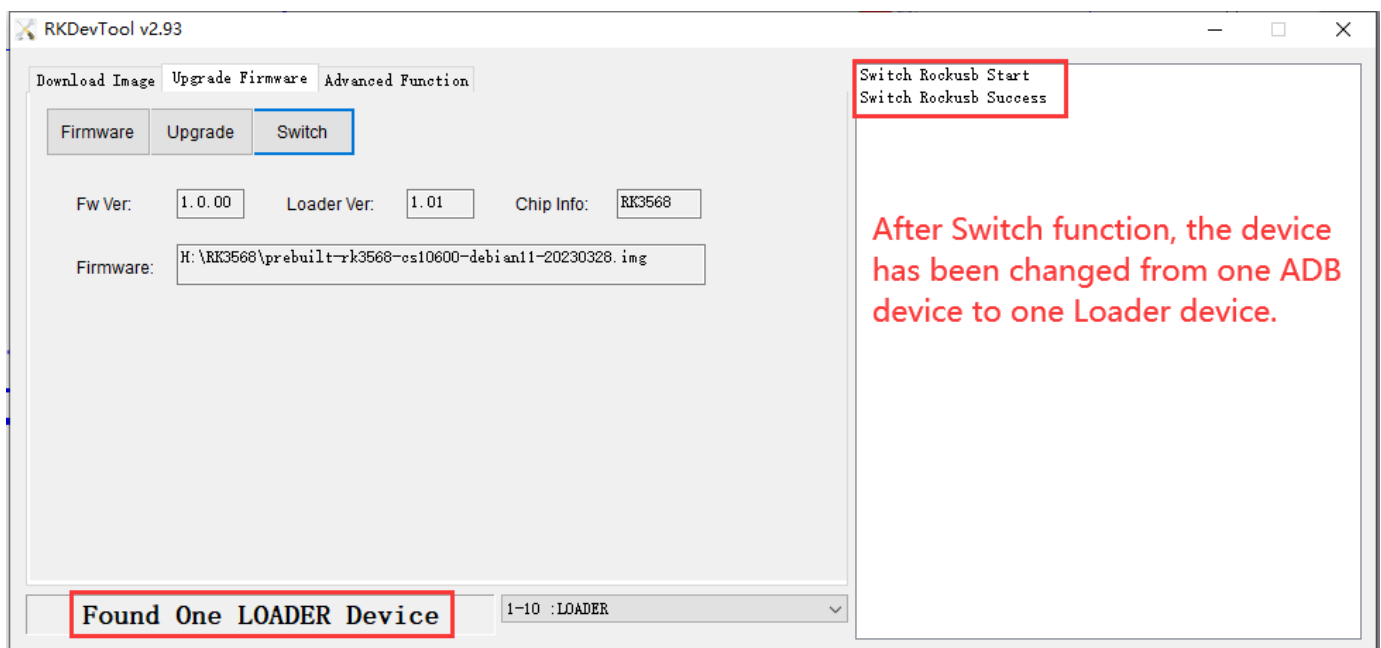
1. Connect the Type-C cable and power on the board. (If unexpected messages occurs at any of the following steps, try plugging the Type-C cable again.)
2. Click **Upgrade Firmware** tab.

- Click **Firmware** button to select a .img Buildroot Linux Qt 5.15 image file. The screenshots show a debian11 img file is selected, but this is applicable to other OSes as well.



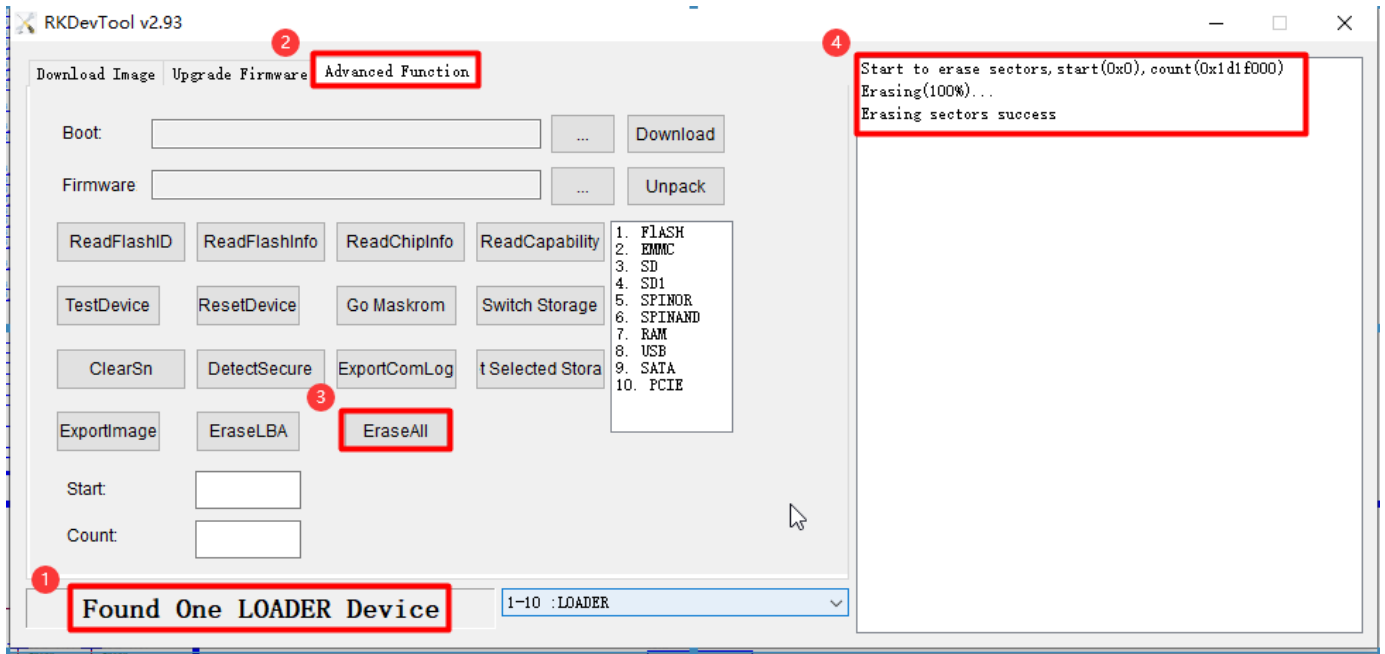
## STEP 2:

- Click **Switch** button to switch the device to a Loader device.

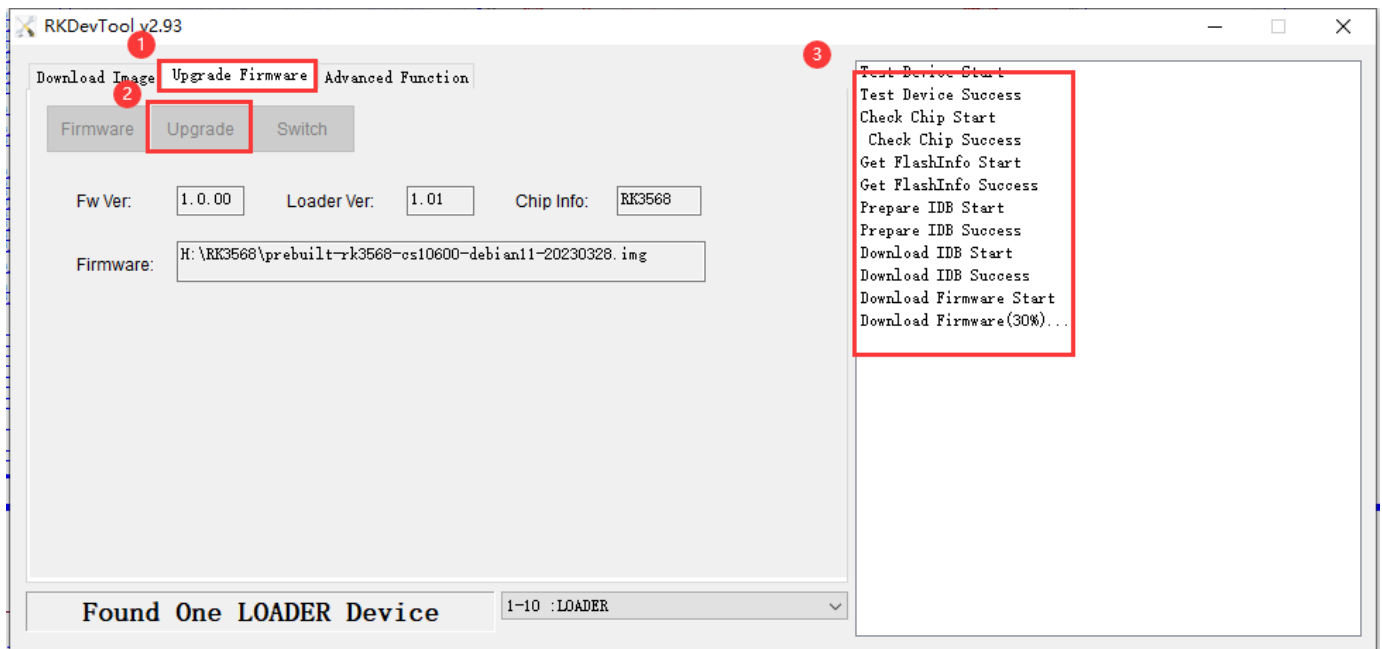


**STEP 3:**

1. You should see "Found One LOADER Device".
2. Click **Advanced Function** tab.
3. Click **EraseAll** button.
4. You should see "Erasing sectors success" on the right side logs.

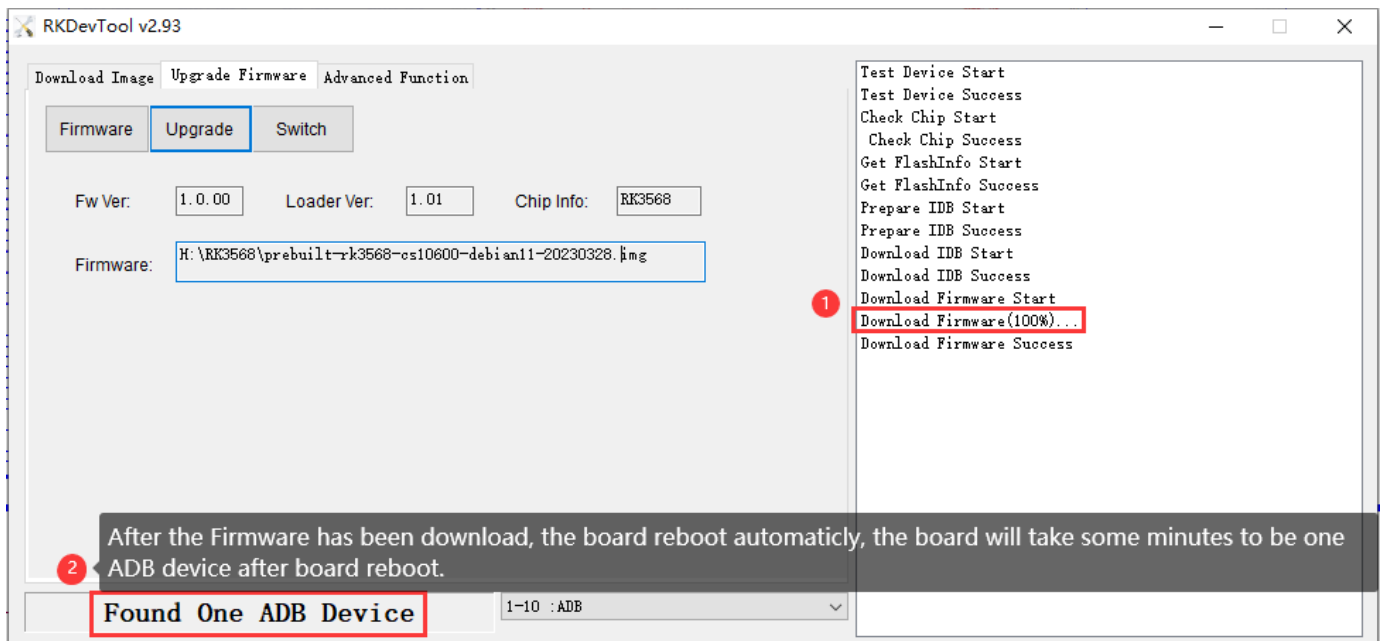
**STEP 4:**

1. Click **Upgrade Firmware** tab.
2. Click **Upgrade** button.
3. You should see Download Firmware progress on the right side logs.



## STEP 5:

1. After the download firmware progress goes to 100%, the board reboots itself automatically.
2. After a few minutes, you should see "Found One ADB Device".
3. Now your new OS is ready for use.



## Notice

*(This Buildroot Linux Qt 5.15 OS User Manual is under active development as of 2023.5.23)*