

## 8.2 Raspberry Pi write system

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1. Prepare to install
2. Burn the system image

## 1. Prepare to install

Note: The TF supporting the ROSMASTER robot has an image already burned in the factory. You can directly insert the TF card into the robot for use. Generally, there is no need to burn the image system according to this tutorial! ! !

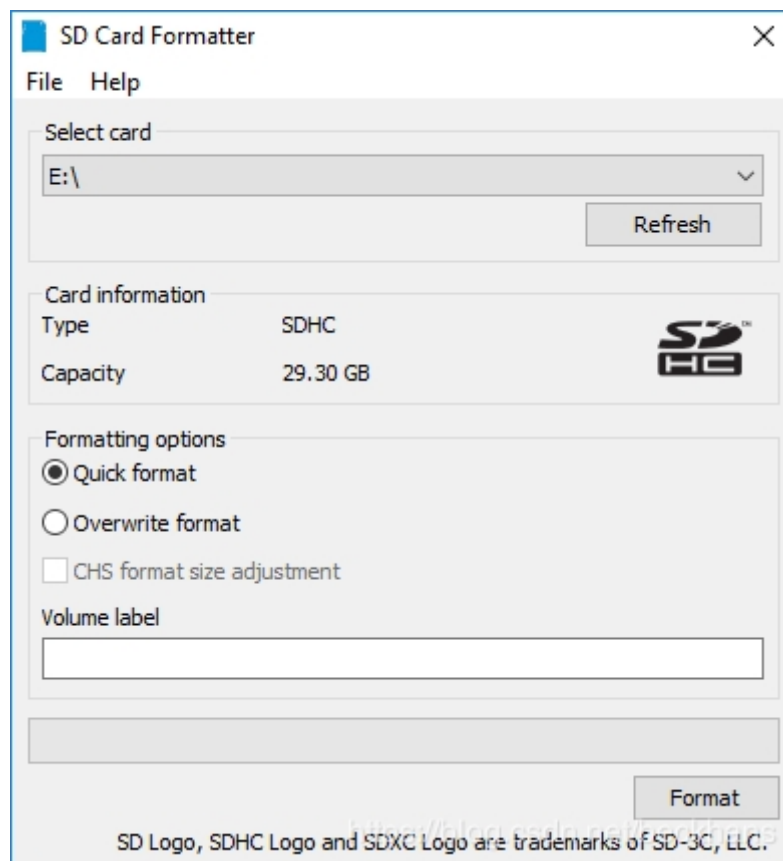
1. Prepare a win10 system computer, card reader and TF card (recommended 64G or larger)
2. Download the mirror

Find the factory image in the data, and download the corresponding image compressed package file according to different motherboards.

System default username: pi, password: yahboom

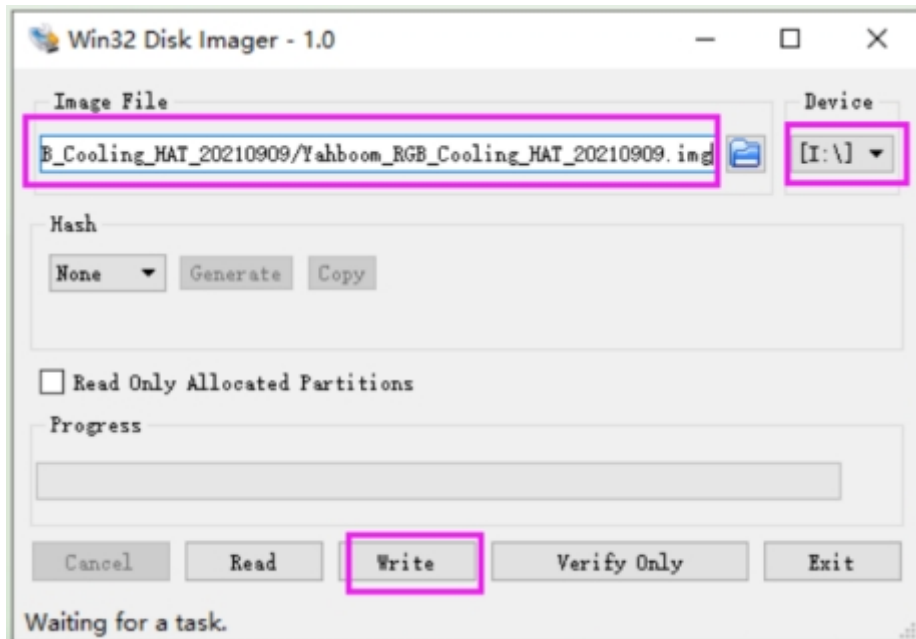
3. Format SD card

Use SDFormatter to format the TF card. Be careful not to select the wrong Drive here, otherwise it will cause unnecessary trouble. If the TF card has already been programmed with the system, there may be an error in the first format, just execute it again.



## 2. Burn the system image

1. Unzip the downloaded system compressed file to get the img image file
2. Insert the TF card into the card reader, and then insert the card reader into the computer USB port
3. Unzip and run the Win32DiskImager tool
4. Select the img (image) file in the software, select the drive letter under "Device", then select "Write" and then start burning the system. According to the speed of your TF card and card reader, the burning process is fast slow.



5. A completion dialog box will pop up after the burning is completed, indicating that the installation is complete. If it is unsuccessful, please close the software such as the firewall and start the burning again. Please note that after the installation, the TF card is divided into multiple partitions under the windows system and cannot be clicked to enter. This is a normal phenomenon, because the disk partition under linux cannot be seen under win!

So far, the Raspberry Pi system has been successfully programmed. After the burning is successful, the system may prompt to format the partition because the partition cannot be recognized. Do not format at this time! Do not format! Do not format! Click Cancel, then eject the TF card.