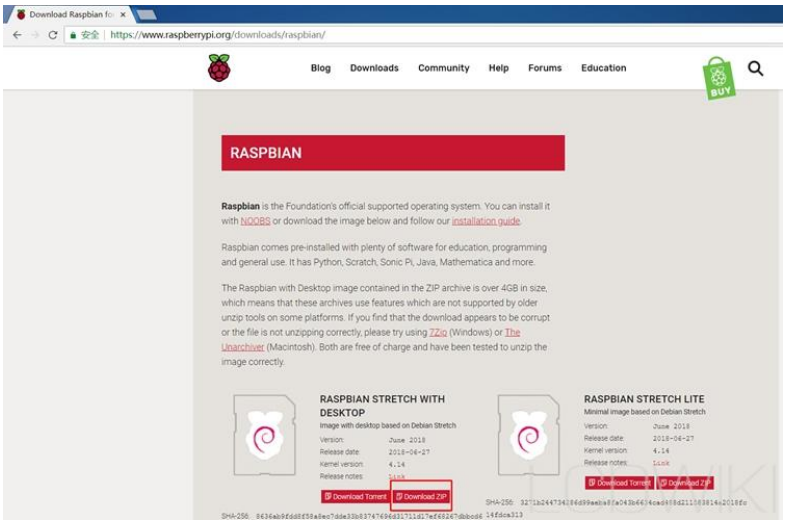
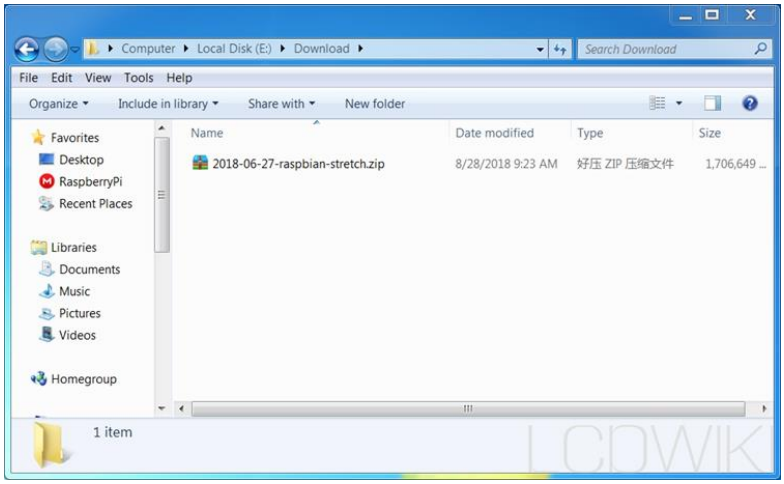
How to use Raspberry Pi

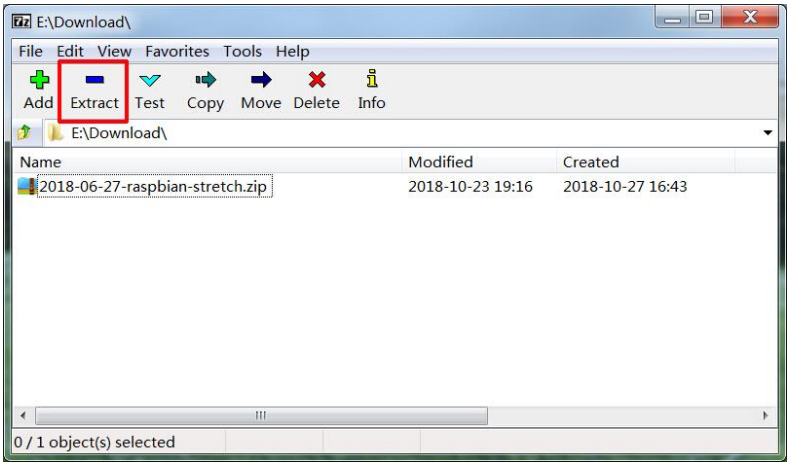
1. Download Raspbian for Raspberry Pi

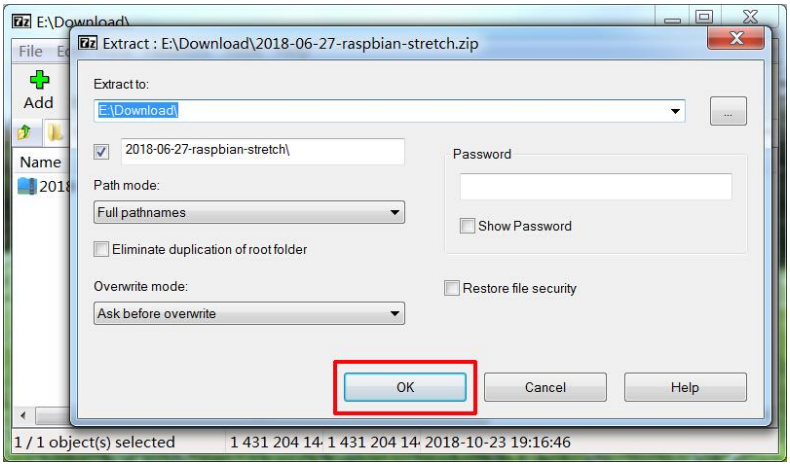
1. Download the official image file of Raspberry Pi:
   https://www.raspberrypi.org/downloads/raspbian/

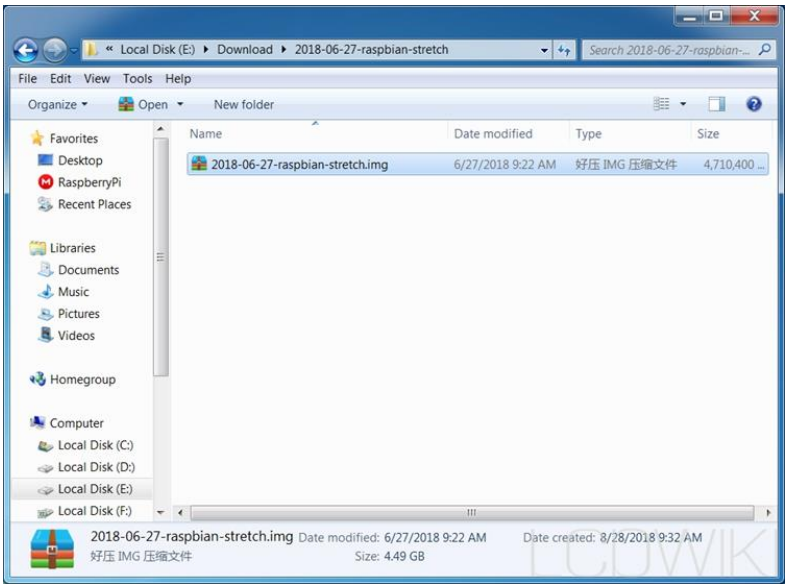




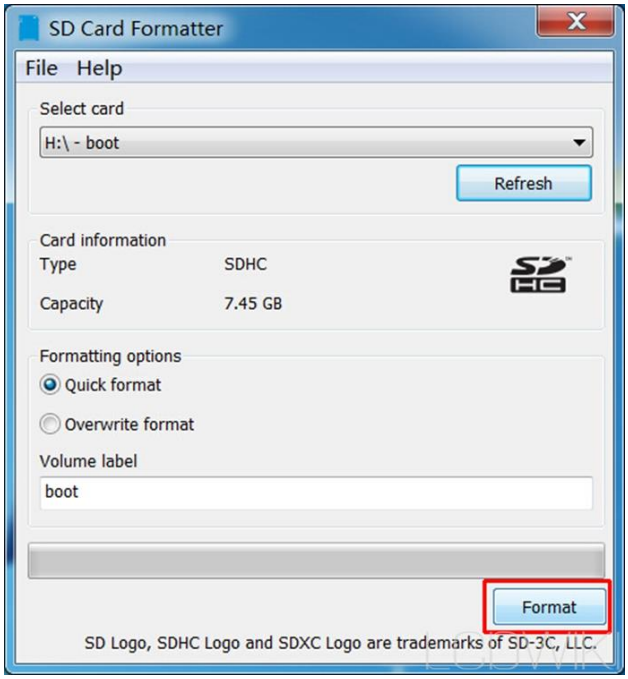
2. Uncompressing the file，get the file **2018-06-27-raspbian-stretch.img**

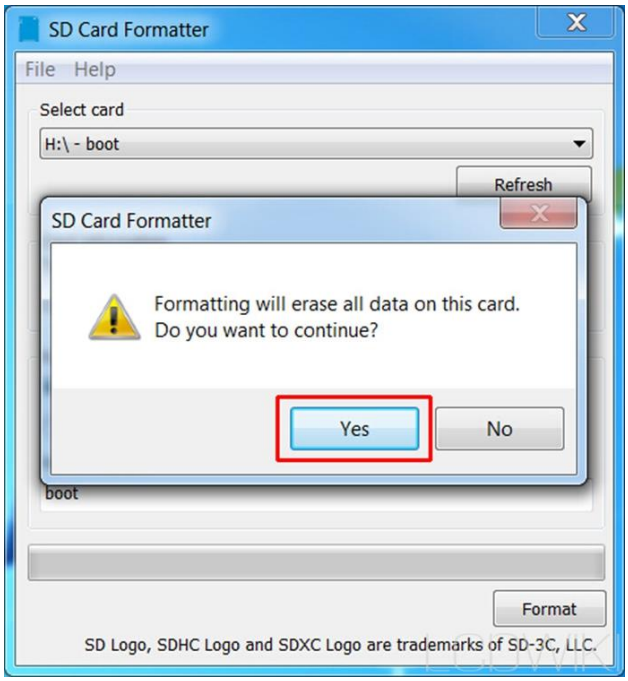

E:\Download\
File Edit View Favorites Tools Help
Add Extract Test Copy Move Delete Info
E:\Download\
Name Modified Created
2018-06-27-raspbian-stretch.zip 2018-10-23 19:16 2018-10-27 16:43
0 / 1 object(s) selected

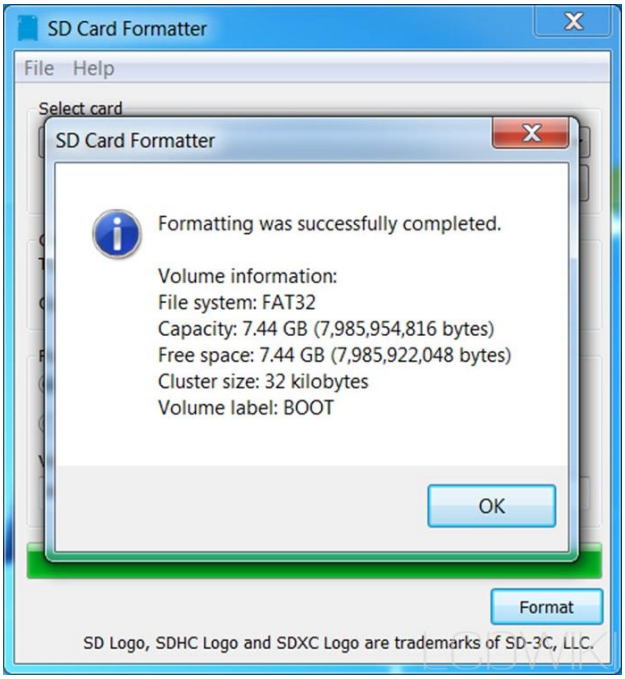

Extract : E:\Download\2018-06-27-raspbian-stretch.zip
Extract to:
E:\Download\
2018-06-27-raspbian-stretch\
Path mode:
Full pathnames
Eliminate duplication of root folder
Overwrite mode:
Ask before overwrite
Password
Show Password
Restore file security
OK
Cancel
Help
1 / 1 object(s) selected
1 431 204 14 1 431 204 14 2018-10-23 19:16:46


Local Disk (E:) Download 2018-06-27-raspbian-stretch
File Edit View Tools Help
Organize Open New folder
Favorites
Desktop
RaspberryPi
Recent Places
Libraries
Documents
Music
Pictures
Videos
Homegroup
Computer
Local Disk (C:)
Local Disk (D:)
Local Disk (E:)
Local Disk (F:)
Name Date modified Type Size
2018-06-27-raspbian-stretch.img 6/27/2018 9:22 AM 好压 IMG 压缩文件 4,710,400 ...
2018-06-27-raspbian-stretch.img Date modified: 6/27/2018 9:22 AM Date created: 8/28/2018 9:32 AM
好压 IMG 压缩文件 Size: 4.49 GB

2. Format the Micro SD Card

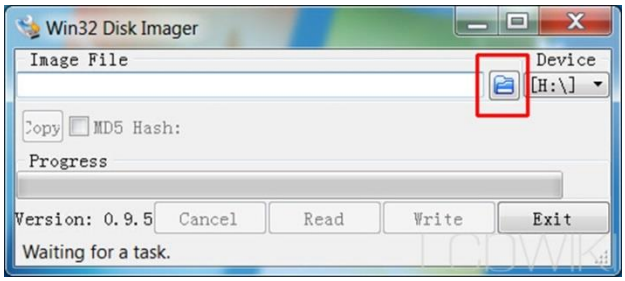




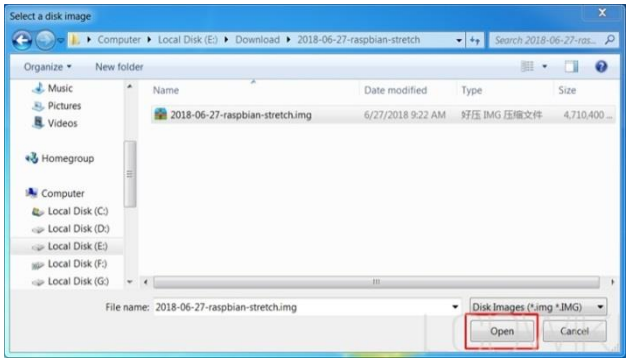


3. Burn the file into the Micro SD Card

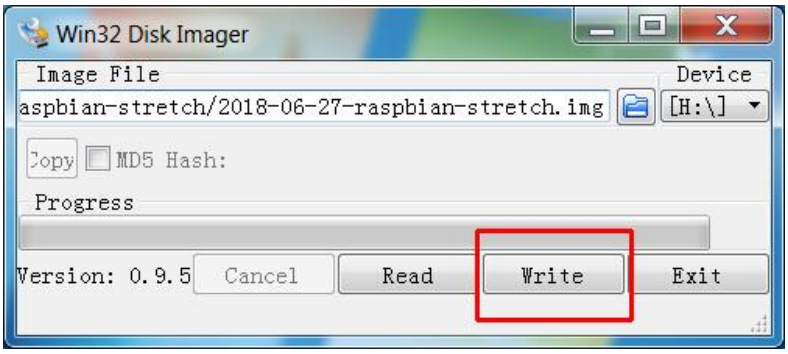
1. Open **Win32DiskImager**

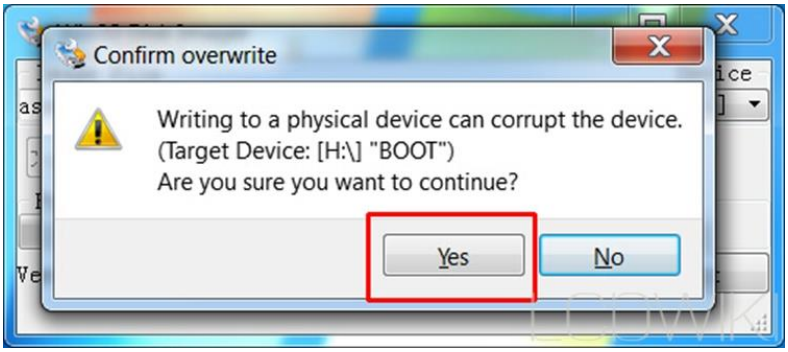


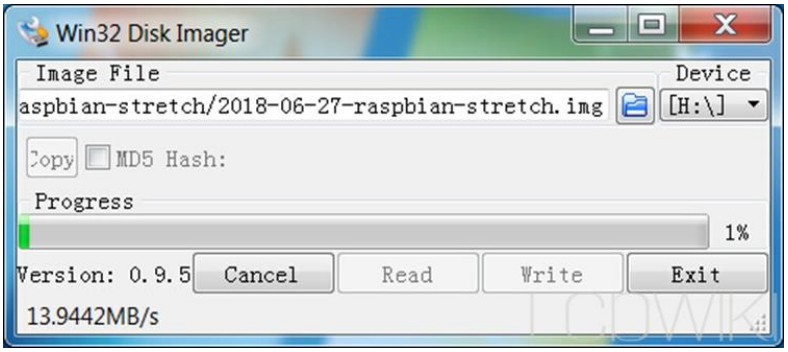
2. Choose the image file

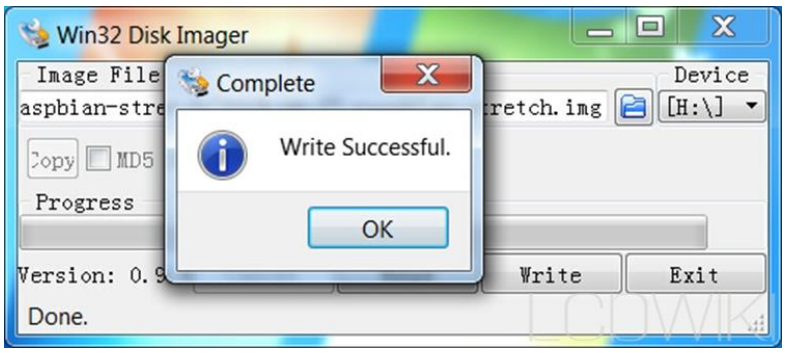


3. Burn the file into the Micro SD Card





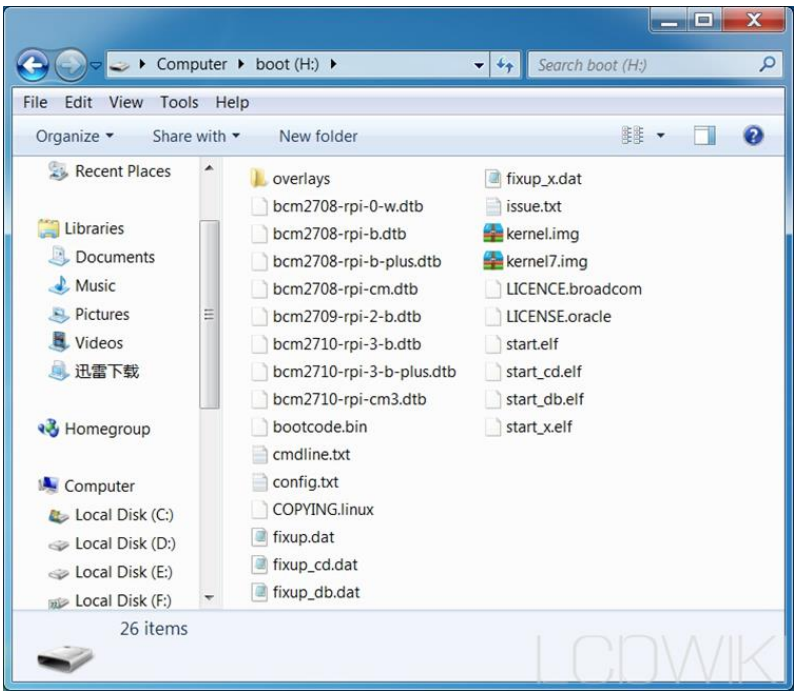




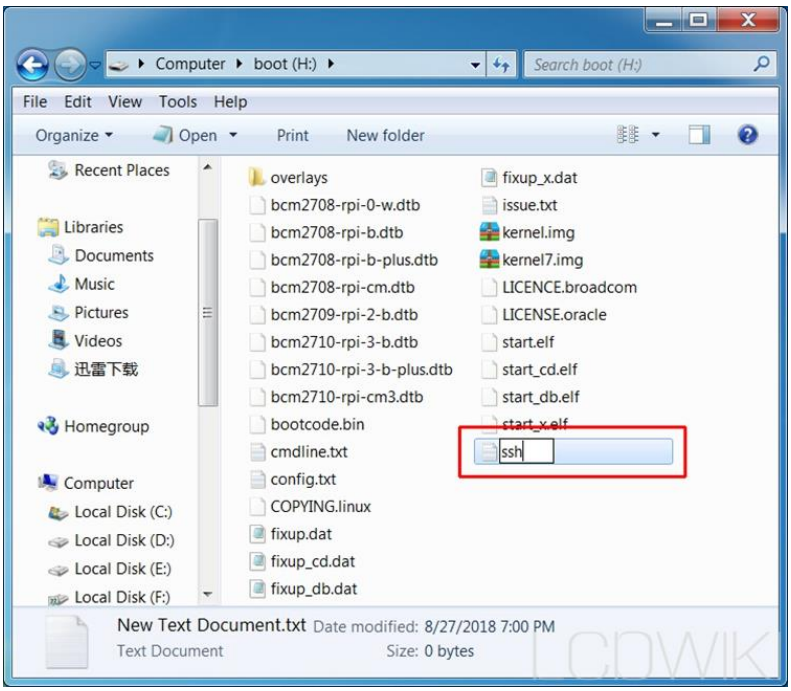
4. Add the ‘SSH’

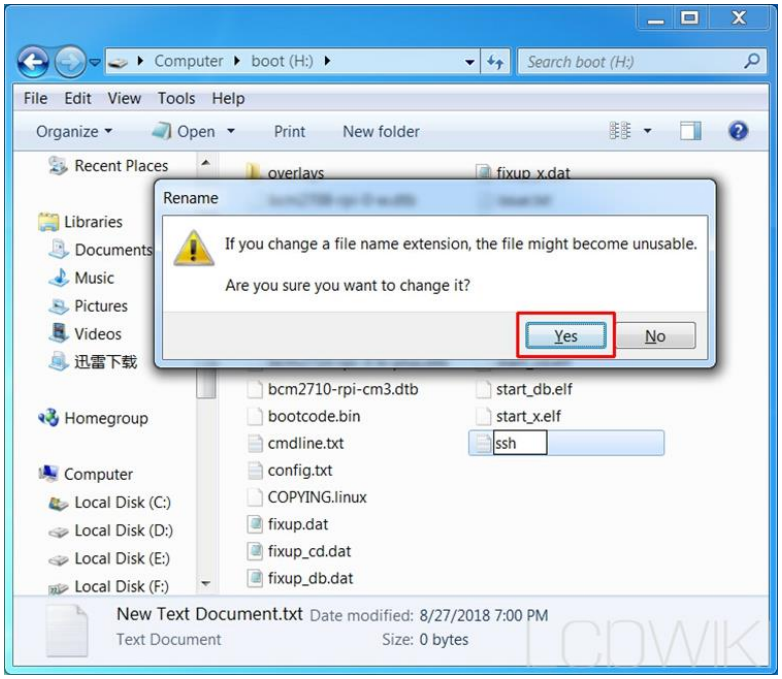
The Raspberry Pi system does not open the ‘SSH’ connection function by default for the security. It needs to add the ‘SSH’ file manually to open it.

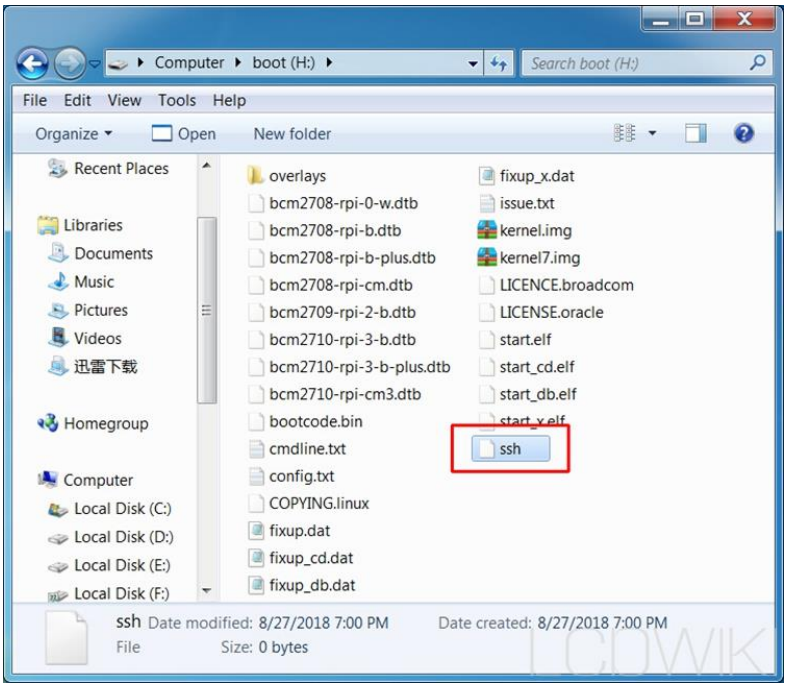
1. Open the Micro SD Card



2. Add the ‘**ssh**’

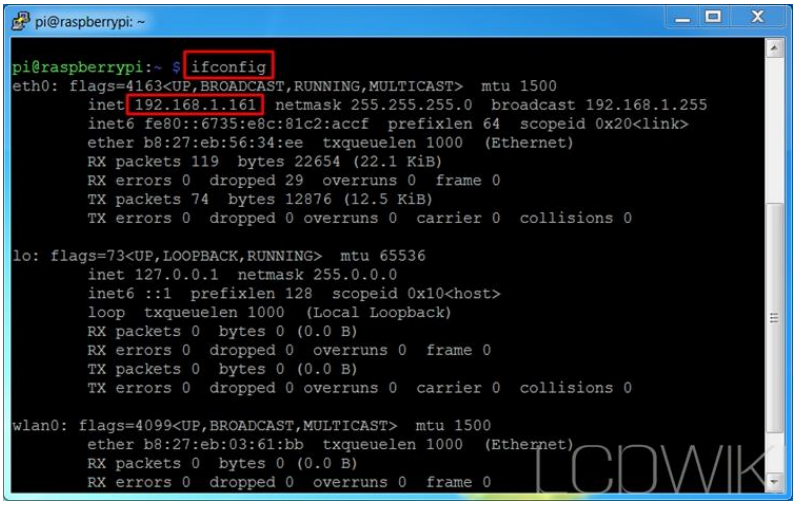

Computer ▸ boot (H:) ▸
Search boot (H:)
File Edit View Tools Help
Organize Open Print New folder
Recent Places
Libraries
Documents
Music
Pictures
Videos
迅雷下载
Homegroup
Computer
Local Disk (C:)
Local Disk (D:)
Local Disk (E:)
Local Disk (F:)
overlays
bcm2708-rpi-0-w.dtb
bcm2708-rpi-b.dtb
bcm2708-rpi-b-plus.dtb
bcm2708-rpi-cm.dtb
bcm2709-rpi-2-b.dtb
bcm2710-rpi-3-b.dtb
bcm2710-rpi-3-b-plus.dtb
bcm2710-rpi-cm3.dtb
bootcode.bin
cmdline.txt
config.txt
COPYING.linux
fixup.dat
fixup_cd.dat
fixup_db.dat
fixup_x.dat
issue.txt
kernel.img
kernel7.img
LICENCE.broadcom
LICENSE.oracle
start.elf
start_cd.elf
start_db.elf
start_x.elf
ssh
New Text Document.txt Date modified: 8/27/2018 7:00 PM
Text Document Size: 0 bytes


Computer ▸ boot (H:) ▸
Search boot (H:)
File Edit View Tools Help
Organize Open Print New folder
Rename
If you change a file name extension, the file might become unusable.
Are you sure you want to change it?
Yes
No
Recent Places
Libraries
Documents
Music
Pictures
Videos
迅雷下载
Homegroup
Computer
Local Disk (C:)
Local Disk (D:)
Local Disk (E:)
Local Disk (F:)
bcm2710-rpi-cm3.dtb
bootcode.bin
cmdline.txt
config.txt
COPYING.linux
fixup.dat
fixup_cd.dat
fixup_db.dat
start_db.elf
start_x.elf
ssh
New Text Document.txt Date modified: 8/27/2018 7:00 PM
Text Document Size: 0 bytes

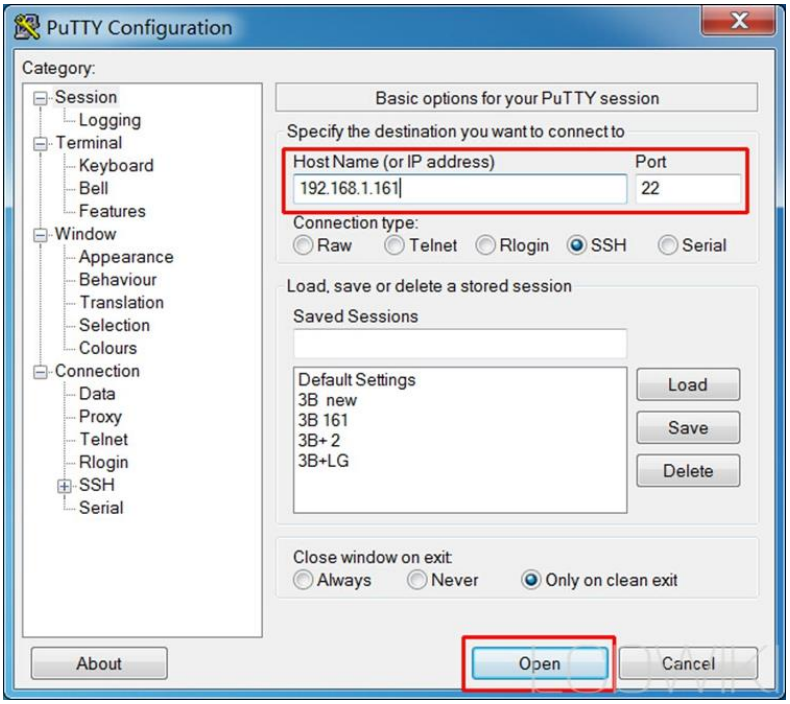


5. Connect the Raspberry Pi with **PuTTy** software on your computer

1. Insert the SD card into the Raspberry Pi. The Raspberry Pi is connected to the router with a network cable and then connected to the power supply
2. Look up the Raspberry Pi website



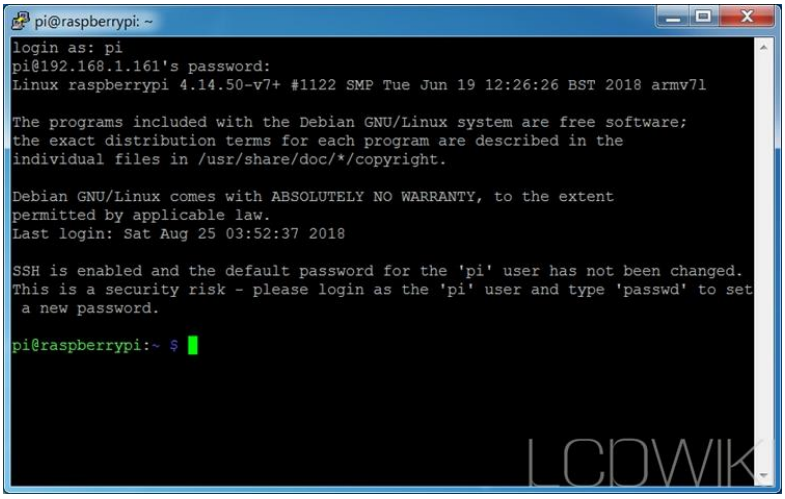
3. Open **PuTTy**, Enter the Raspberry Pi URL and port number 22



4. Enter the username and password

   (Note: when entering the password, it will not be displayed on the screen. Press enter when the password is finished)

5. The connection is successful, and then you can use the Raspberry Pi to do whatever you want.


pi@raspberrypi: ~
login as: pi
pi@192.168.1.161's password:
Linux raspberrypi 4.14.50-v7+ #1122 SMP Tue Jun 19 12:26:26 BST 2018 armv7l
The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Sat Aug 25 03:52:37 2018
SSH is enabled and the default password for the 'pi' user has not been changed.
This is a security risk - please login as the 'pi' user and type 'passwd' to set
a new password.
pi@raspberrypi:~ $
LCDWIKI