



WinSCP file transfer between Raspberry Pi and windows

We need to transfer files between Windows and Raspberry Pi two different systems. Since this is two different file systems, we need to use the SSH service to transfer files across systems.

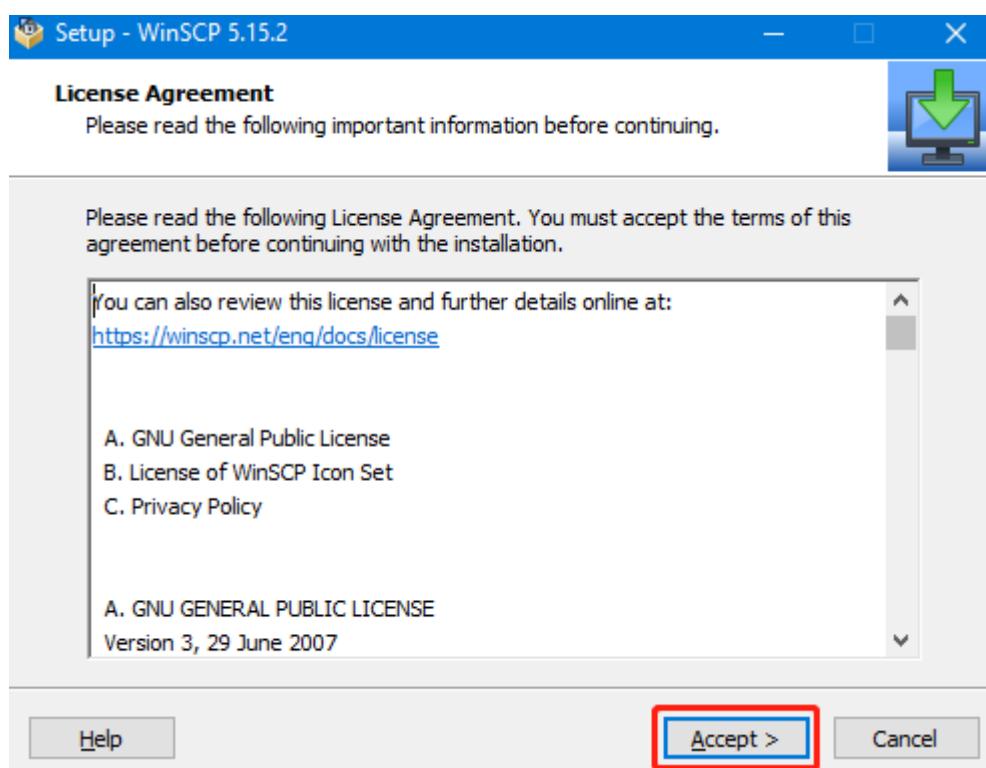
1. Install WinSCP

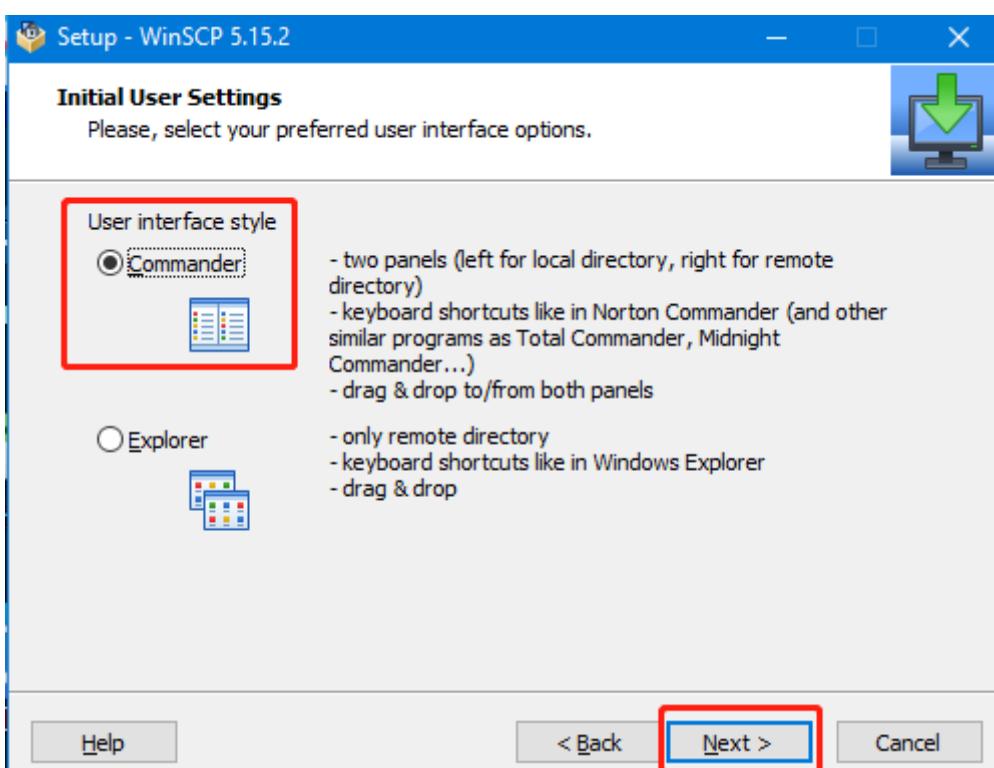
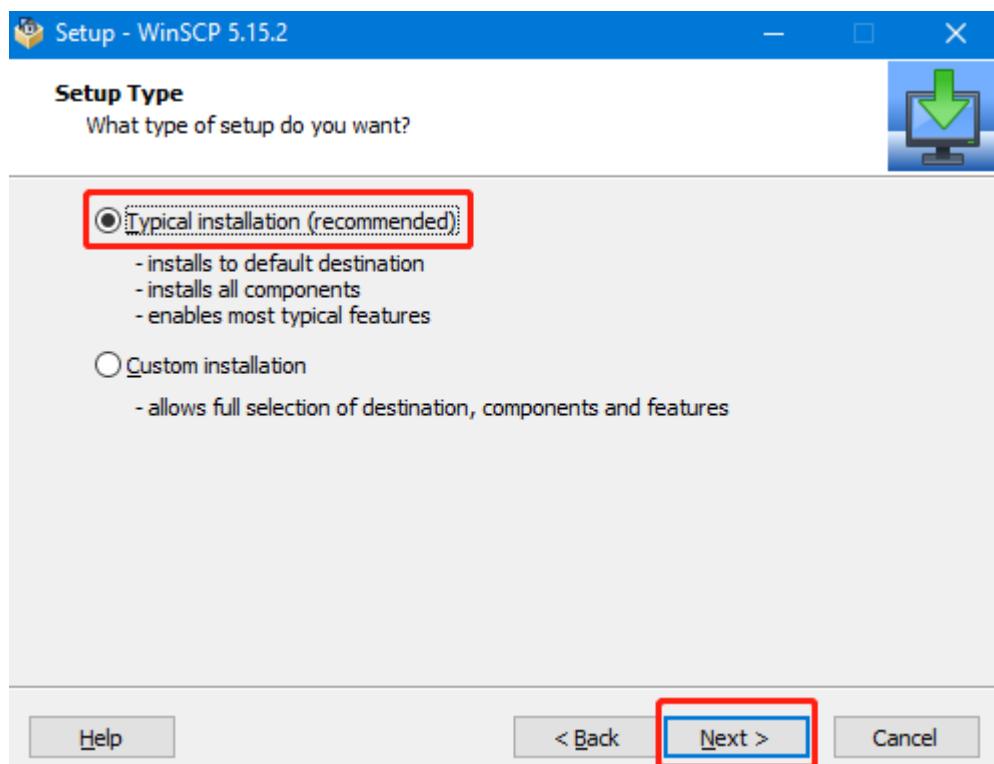
WinSCP official website: <https://winscp.net/eng/download.php>

(This software in the Tool folder.)

WinSCP-5.15.2-Setup.exe 7/3/2019 2:41 PM Application 9,609 KB

Double-click to open the program and start the installation, click “Accept” to accept the agreement, and then follow the prompts to install.







After install is complete, we can see that a WinSCP shortcut on the desk



2. Transfer file

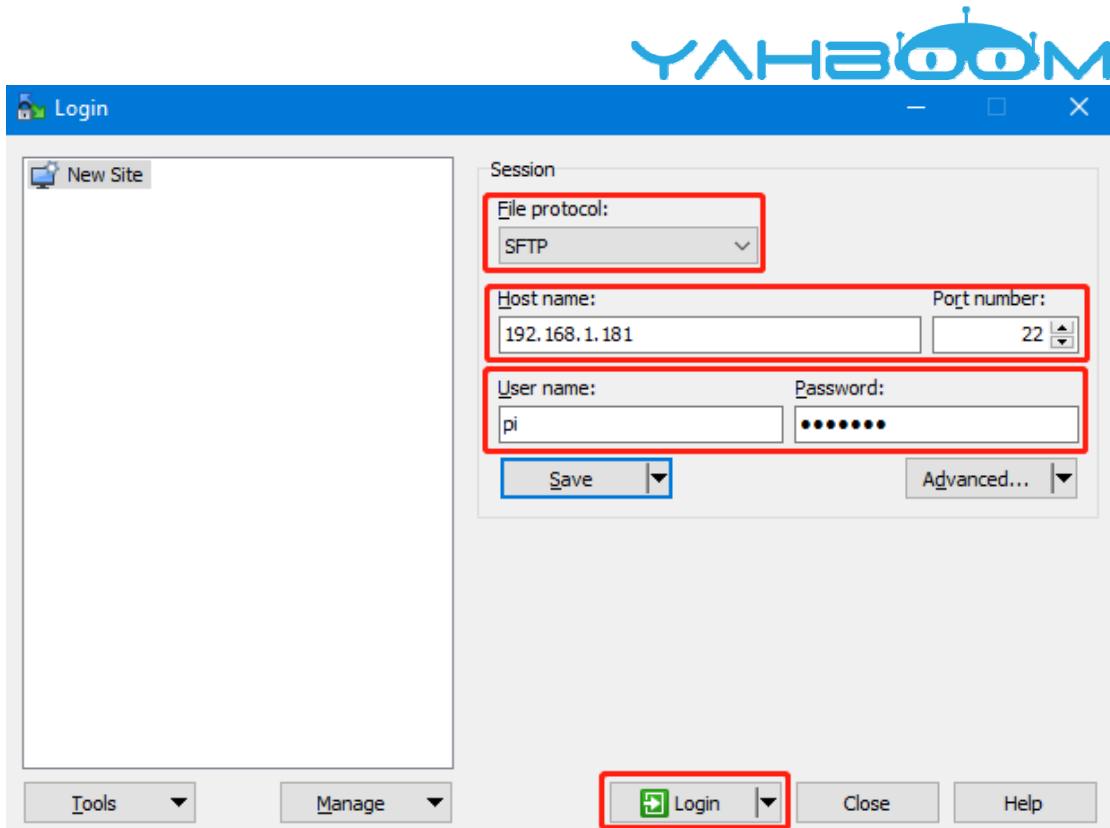
The following login screen will appear after opening the WinSCP software. File protocol: choose SFTP,

Host name: IP Address of your Raspberry Pi,

Port number: 22 (default),

User name: pi,

Password: (your password).



Then, we need to click 【Login】.

After the login is successful, the following interface will be displayed. On the left is the folder of the windows computer system, and on the right is the folder of the Raspberry Pi system.

The screenshot shows the WinSCP interface with two main panes. The left pane, titled 'Your windows computer system', displays a file list from a Windows computer. The right pane, titled 'Raspberry Pi system', displays a file list from a Raspberry Pi. Both panes show columns for Name, Size, Type, and Changed. The Raspberry Pi pane also includes columns for Rights and Owner. The interface includes standard file operations like upload, download, and synchronize, and a status bar at the bottom.

Name	Type	Size	Changed
..	Parent directory		7/3/2019 2:58:37 PM
Arduino	File folder		4/1/2019 5:47:11 PM
Tencent Files	File folder		3/9/2019 10:03:41 AM
Virtual Machines	File folder		6/25/2019 3:02:27 PM
WeChat Files	File folder		7/3/2019 8:59:44 AM
WindowsPowerShell	File folder		3/8/2019 1:57:53 PM
ActivationInfo.txt	Text Document	1 KB	3/18/2019 10:04:34 AM
ActivationResponse.txt	Text Document	3 KB	3/18/2019 10:05:55 AM

Name	Owner	Rights	Changed	Size
create_ap	root	rwxr-xr-x	6/21/2019 12:47:28 AM	
Desktop	pi	rwxr-xr-x	7/2/2019 6:29:52 PM	
Documents	pi	rwxr-xr-x	6/21/2019 1:20:50 AM	
Downloads	pi	rwxr-xr-x	6/21/2019 1:20:50 AM	
LCD-show	pi	rwxr-xr-x	6/27/2019 5:34:52 PM	
MagPi	pi	rwxr-xr-x	6/21/2019 12:55:33 AM	
Music	pi	rwxr-xr-x	6/21/2019 1:20:50 AM	
Pictures	pi	rwxr-xr-x	6/21/2019 1:20:50 AM	
Public	pi	rwxr-xr-x	6/21/2019 1:20:50 AM	
Templates	pi	rwxr-xr-x	6/21/2019 1:20:50 AM	
Videos	pi	rwxr-xr-x	6/21/2019 1:20:50 AM	
hs_err_pid1250.log	pi	rw-r--r--	7/2/2019 6:46:23 PM	2 KB

File transfer has three modes of operation:

1. The first is to drag the file directly from the left to the right, or from the right to the left, the system will automatically copy a file transfer.

2. Clicking on a file with mouse and then press the F5 on the keyboard, this file will copy to the other side.

3. Select the file and click the right button of mouse.

If the file is transferred from the windows computer system to the Raspberry Pi system, you need to click **Upload**. As shown in Figure 1 below. If the file is transferred from the Raspberry Pi system to the windows computer system, you need to click **Download**. As shown in Figure 2 below.

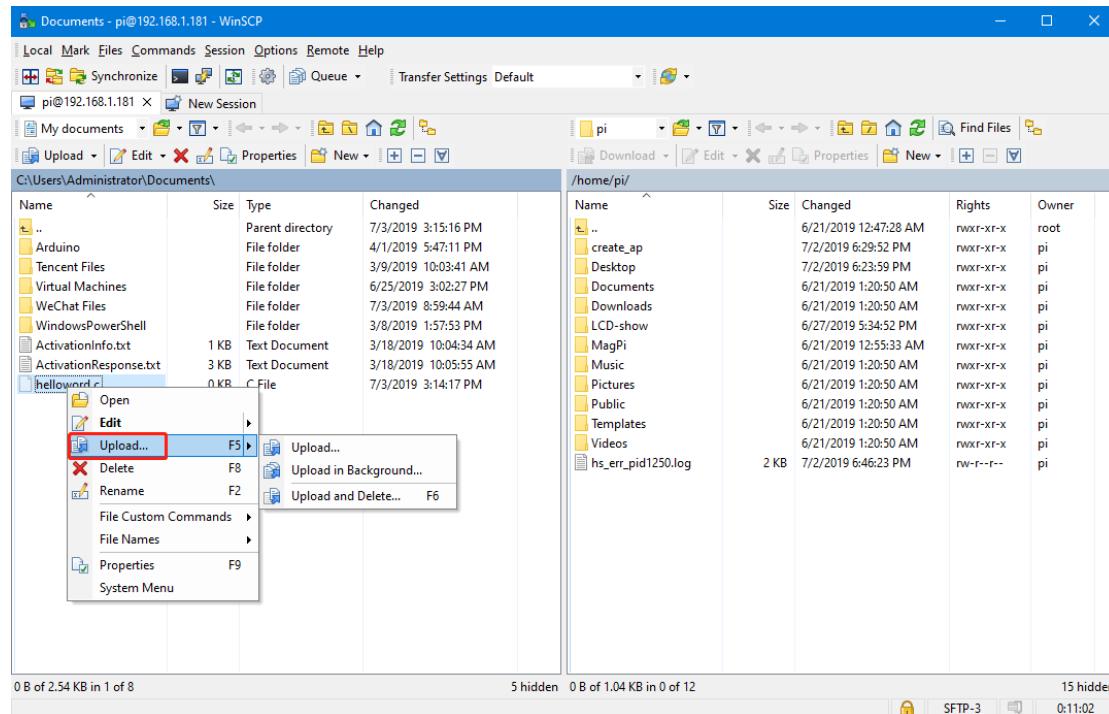


Figure 1

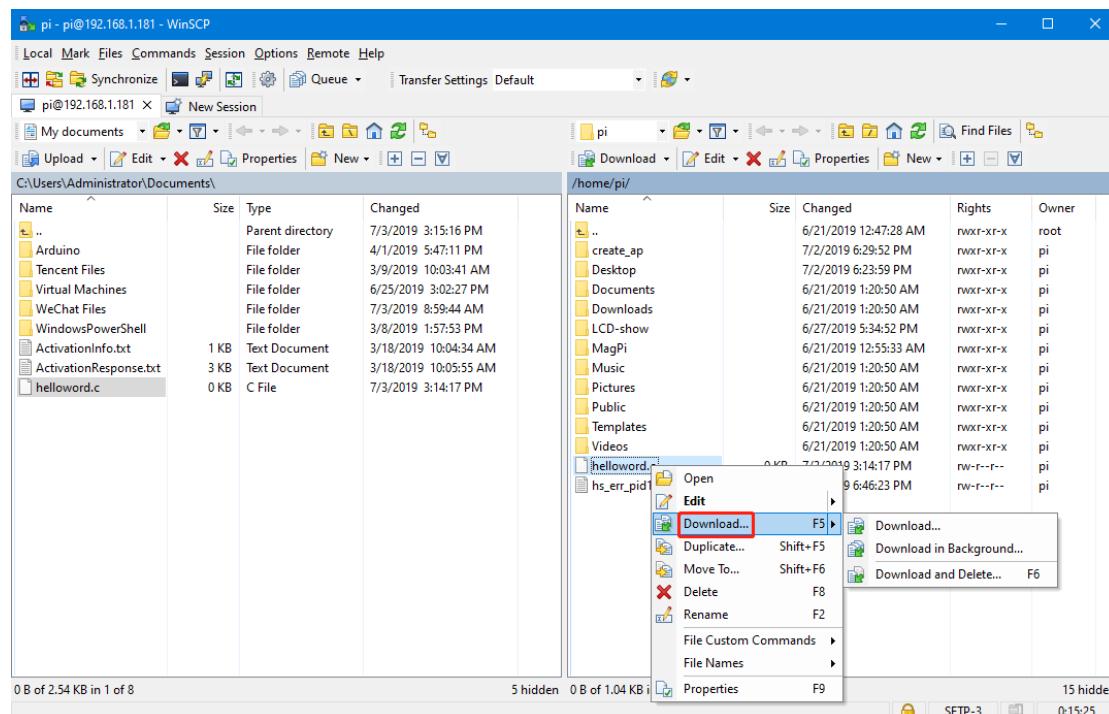
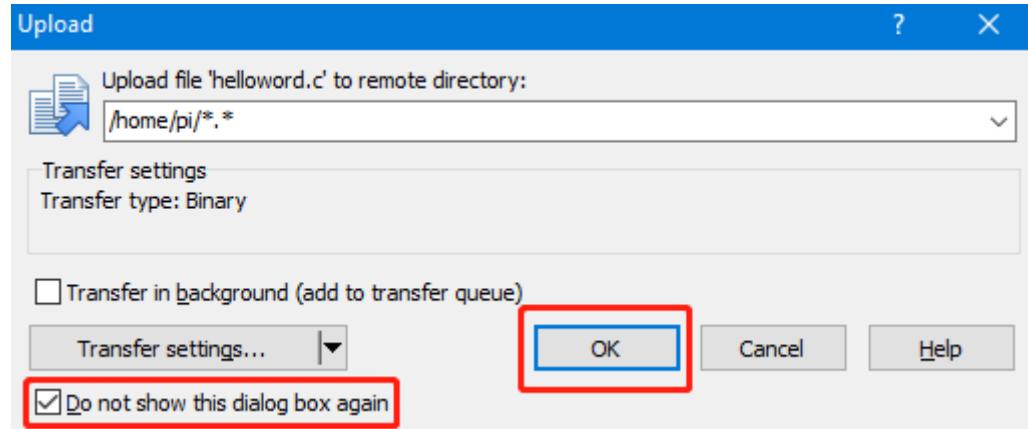


Figure 2

If the system displays the prompt as shown below, you can choose “**Do not show this dialog box again**” and click OK, the file is automatically transferred.



!!!Note: File transfer requires the computer and the Raspberry Pi to be on the same LAN, and the Raspberry Pi has the SSH service enabled.

If the failure to the transfer file is generally not enough permissions on the Raspberry Pi side, we only need to give the highest authority. We can enter the command as shown below to give the file the highest permission.

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Chmod 777 Raspberry Pi directory name

Eg: Chmod 777 helloworld.c