

Lesson 1 Source Code Import and Open Permissions

Preface

The image of TonyPi contains the source code for intelligent transport and object tracking. Therefore, you don't need to import the source code by yourself.

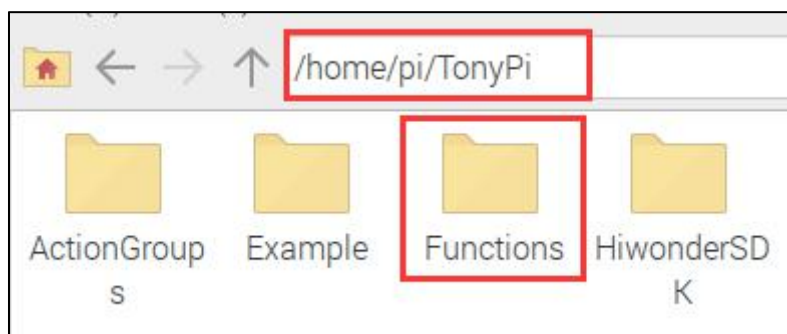
This is optional section to show you how to import the source code into Raspberry Pi and enable the permission to import the file.

1. Source Code Import (must-read)

1.1 Delete standard version files

Step 1: Turn on TonyPi and connect to VNC.

Step 2: Go to the folder `/home/pi/TonyPi` to delete the "Functions".

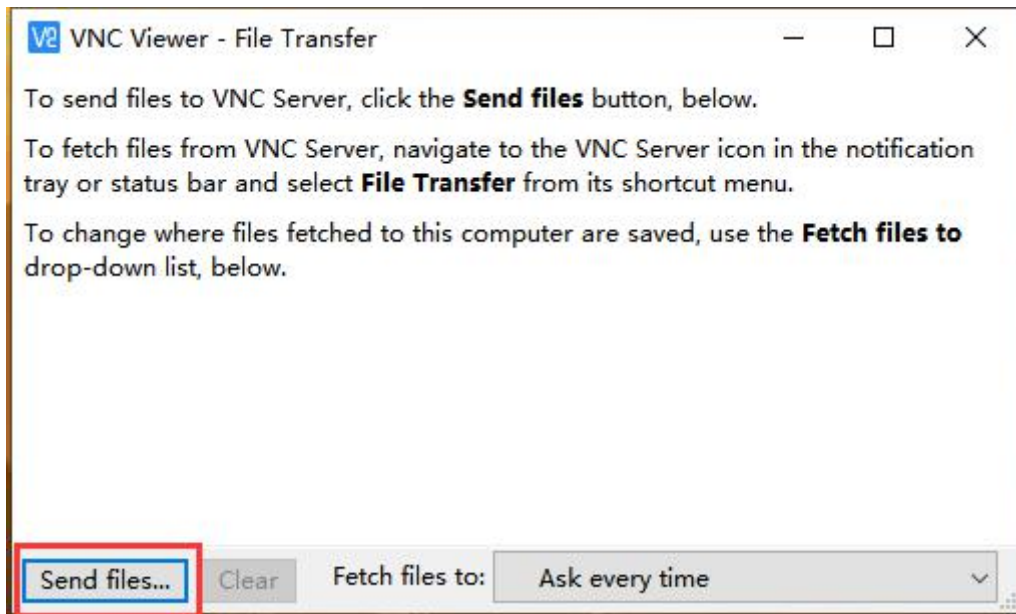


1.2 File Import

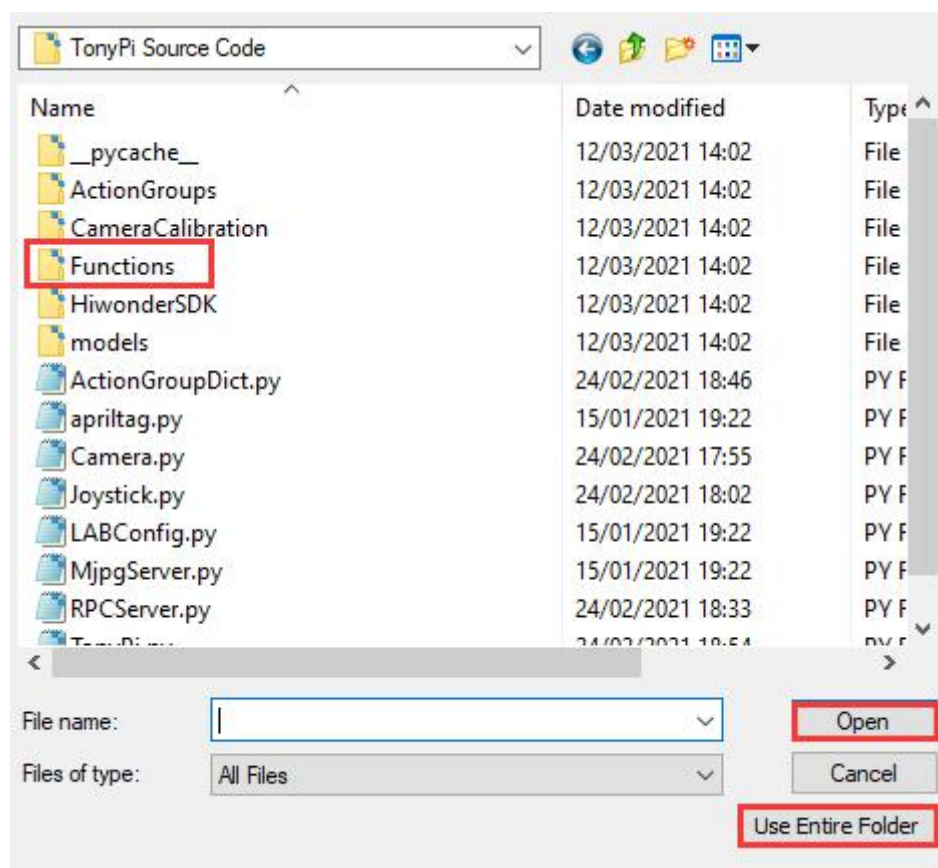
Step1: Move the mouse to VNC desktop menu bar and click "File transfer" icon.



Step2: Click "Send Files..." in the VNC Viewer dialog box.



Step 3: In the pops-up "VNC Viewer - Send files" dialog, go to the folder: 5. Appendix/2.Source code, click "Functions" and then "Use Entire Folder".



Step 4: Select "Yes" in the pops-up box.

Do you want to send Functions

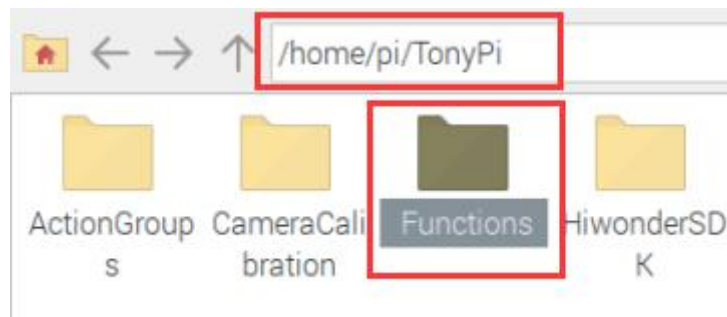
Yes

No

Step 5: "Functions" folder will be displayed in the desktop after transferring.



Step 6: Copy the "Functions" folder to the path: /home/pi/TonyPi.



Checking the files in "Functions" with command in LX terminal, you will get the required .py files.

```

pi@raspberrypi: ~/TonyPi/Functions
File Edit Tabs Help
pi@raspberrypi:~ $ cd TonyPi/Functions/
pi@raspberrypi:~/TonyPi/Functions $ ls
ApriltagDetect.py  EmptyFunc.py  loading.jpg  Transport.py
ASRControl.py     FaceDetect.py  __pycache__  VisualPatrol.py
ColorDetectAndTTS.py Follow.py      RemoteControl.py
ColorDetect.py    ImgAddText.py  Running.py
ColorTrack.py     KickBall.py    Transport_ASR.py
pi@raspberrypi:~/TonyPi/Functions $
    
```

2. Turn on Permission

i Due to the APP setting was deleted in the 1.1 part, we need to turn on the games permission for the APP.

2.1 Open Permission

Open the LX terminal, enter the command line as shown below to send the permissions to the file.

```
pi@raspberrypi:~ $ sudo chmod 777 -R TonyPi
```

2.2 Restart the system

Enter the command line as shown below. Restart the Raspberry Pi to update the system.

```
pi@raspberrypi:~ $ sudo systemctl restart tonyp1.service
```

3. Program Info

Program	Game
Transport.py	AI transfer
Follow.py	Object Tracking