Raspberry Pi – Using Guide

# Establish SSH connection for remote control

## What this does

With an SSH connection to your running raspberry pi – which obviously must be connected to the same network as the target machine – you can access and control the pi through its terminal from any computer.

## How to do it

1. Enable SSH communication on Windows:
   1. Go to *Settings > Apps > Optional Features > Add Feature*
   2. Install the OpenSSH Client feature
2. Enable SSH on the pi:
   1. Go to *Raspberry Pi Configuration > Interfaces*
   2. Enable SSH and Click OK
3. Get the pi’s IP address:
   1. Open a terminal on the pi
   2. Type: *> ifconfig*
   3. Search for the “inet” entry in either the “wlan0” – if connected via wifi – or “eth0” section – if connected via the LAN adapter
4. Open the SSH connection:
   1. Open a command prompt in windows
   2. Type: *> ssh <USERNAME>@<IP>*

<USERNAME> is the name of the pi’s user (defaults to ‘pi’)

<IP> is the IP address we gathered in step 3

# Transfer Files Remotely

## What this does

This allows you to transfer files to the connected raspberry pi via your wifi connection.

## How to do it

1. Install PuTTY (SCP) in order to be able to execute the “pscp.exe” file in the command prompt
2. Open a new command prompt / terminal
3. Type:

*> pscp.exe -r .\local\path\to\source\files\\* <USERNAME>@<IP>:/home/pi/path/to/dest/*

<USERNAME> is the name of the pi’s user (defaults to ‘pi’)

<IP> is the IP address we gathered in step 3