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if your raspberry pi is supposed to do a task that normally does not require a monitor, mouse and keyboard (or any human interaction for that matter), sometimes it is useful to access your Raspberry Pi's operating system without having to connect a monitor, mouse and keyboard. Here's how

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### Step 1: Required Materials

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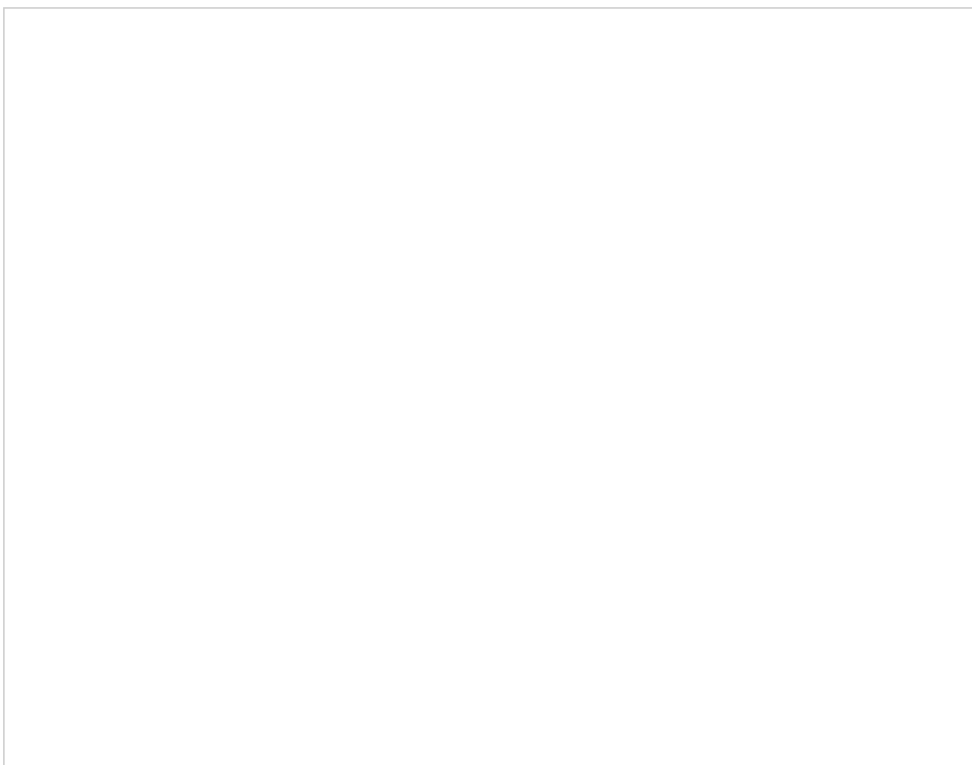
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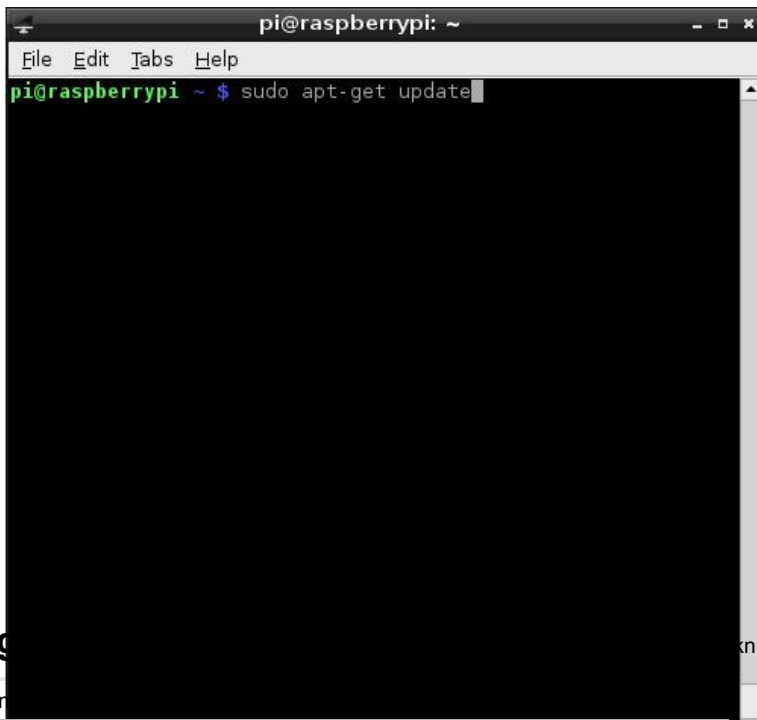
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You will need the following.

- Raspberry Pi Model B (Model A will also work in this case)
- Ethernet cable or wifi dongle (this one works well and is inexpensive: <http://www.adafruit.com/products/814> (<http://www.adafruit.com/products/814>))
- Standard USB to micro USB cable (most Android smart phones come with one)
- Monitor, mouse and Keyboard for initial setup
- USB hub if you want to connect more than 2 things (in this case Mouse+Keyboard+Wifi Dongle)

## Step 2: Installing a VNC Server on your Raspberry Pi





Setting

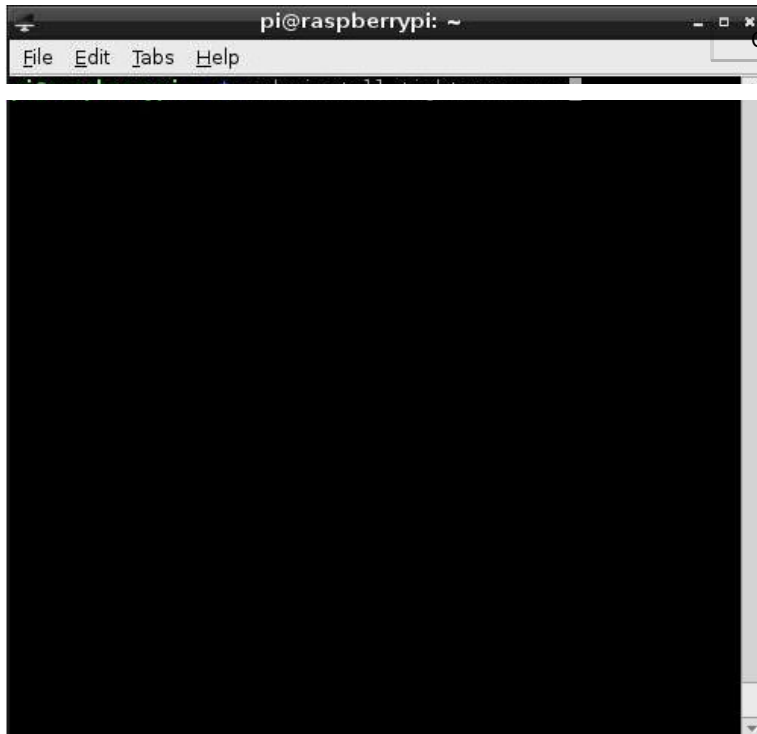
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This instructable will assume that you have already gotten Raspbian or some operating system installed. (Raspbian was used for this instructable)

If you have not yet installed an operating system, a common, well documented stable one is Raspbian which can be installed by using NOOBS (<http://www.raspberrypi.org/downloads>)(New-out-of-box-software). Once you download it to an SD card, it pretty much will install itself. It makes setting up the Raspberry Pi - which will from now on be affectionately referred to as Pi - VERY easy!

Once you have an operating system running here are the required steps to install a VNC server:

1. Open LX terminal
2. In LX terminal type in "sudo apt-get update" to update the operating system to the latest version
3. When prompted to update type in "y" and press enter
4. After updating is complete type in "sudo install tightvncserver". Press "y" and hit enter when prompted
5. Once tight VNC server has completed installation you can start it by typing in "vncserver:1"
6. It will prompt you to create a password. Keep in mind passwords can be at MOST 8 characters long.
7. Once you have entered a password you are done! The VNC server is now running in the background of your Raspberry Pi's operating system. Now you can use any computer on your network with a VNC client to remotely access the Raspberry Pi

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**mal-hd** ([/member/mal-hd/](#))

29 days ago

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I do as in the steps

[\(/member/mal-hd/\)](#) but when i tried to make a connection

I have a msg on my computer

indicates that the "target machine refused actively"



**YafeatA** ([/member/YafeatA/](#))

1 month ago

[Reply](#)

Just to be on the good side its sudo apt-get install not sudo install

[\(/member/YafeatA/\)](#)



**decr** ([/member/decr/](#))

4 months ago

[Reply](#)

Thanks for this instructables, I only wanted to know how to change resolution

[\(/member/decri/\)](#)



**MartinP2 (/member/MartinP2/)** decri

4 months ago

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(/member/MartinP2/)

By adding the the -geometry flag after "vncserver: 1"you can set resolution, with the -depth flag the color depth

E.g. Exec=vncserver :1 -geometry 1920x1080 -depth 24



**digitalvapor (/member/digitalvapor/)**

5 months ago

[Reply](#)

(/member/digitalvapor/)

Be sure to put space before `:`. That is, `Exec=vncserver :1`, and of course ~~is not~~ `sudo cp spi-config` instead of `ipconfig` ;)

Cheers, Tom

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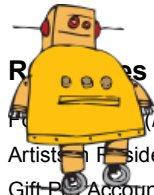
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