HOW TO USE
Single Channel Gateway
Raspberry Pi Image

by

M2M Shop

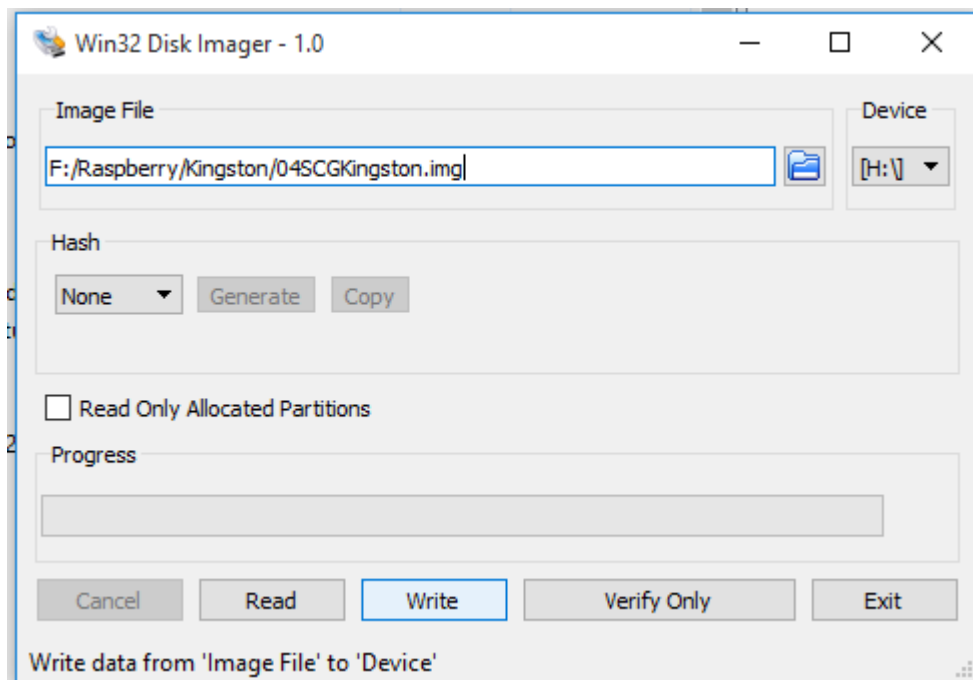m2mlorawan@gmail.com

First Draft

V.04

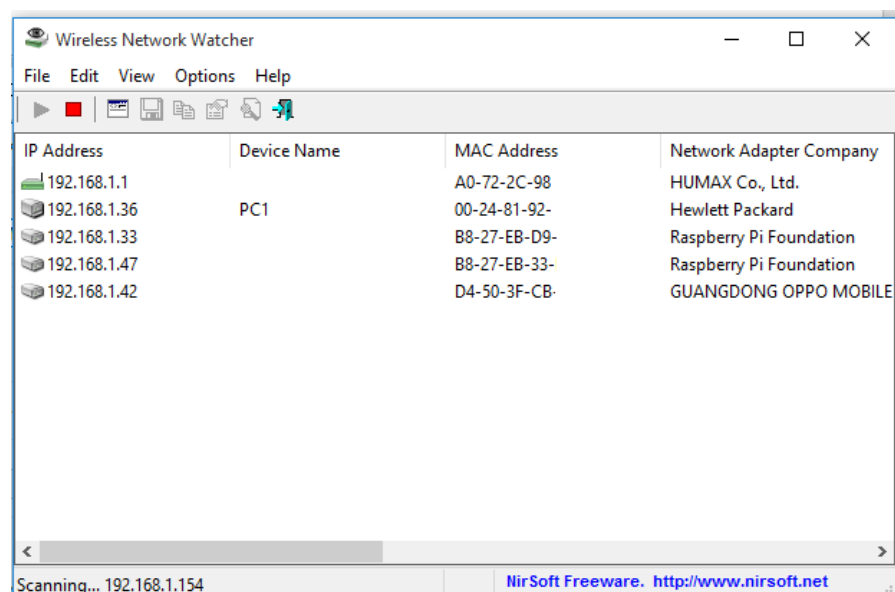# For Windows User

On your PC, Download 3 items :

1. Download Raspbian Image (010405M2M.zip) from Link https://bit.ly/2xIAoia
2. Download Win32diskImager https://bit.ly/2xHkbK4
3. Download Wireless Network Watcher https://bit.ly/2OHGeYd
- Unzip 010405M2M.zip to get file 010405M2M.img.
- Use Win32diskImager to write Image (010405M2M.img) on SDCard (Kingston 16G Class10)
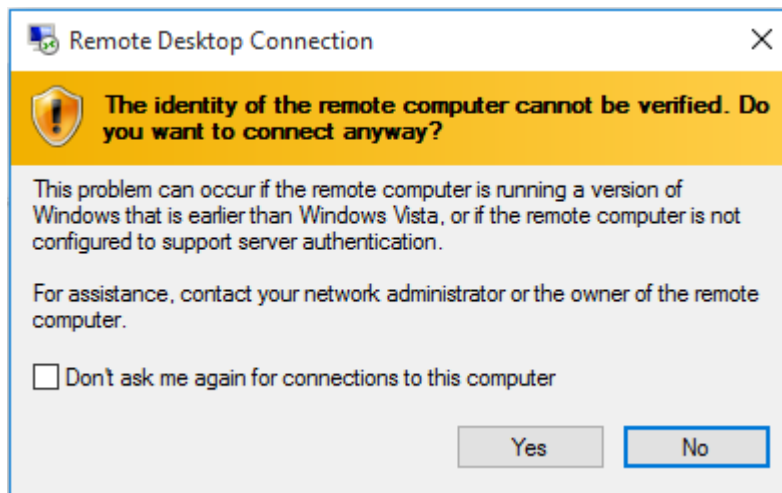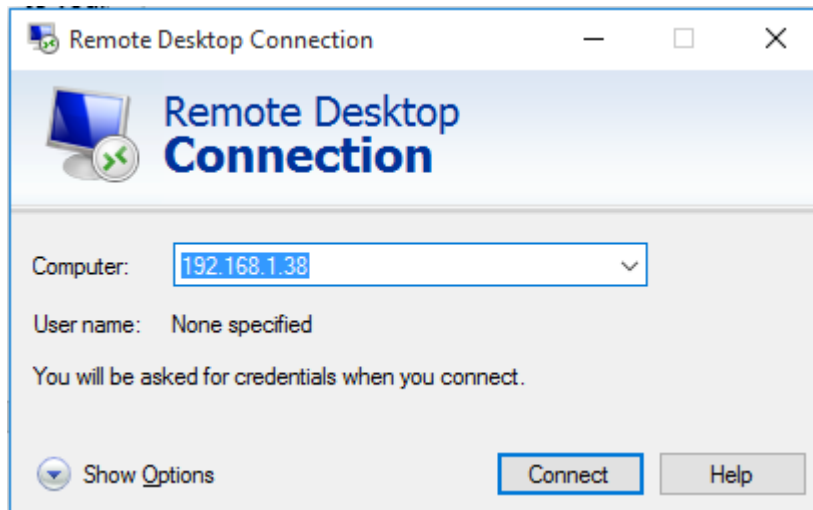

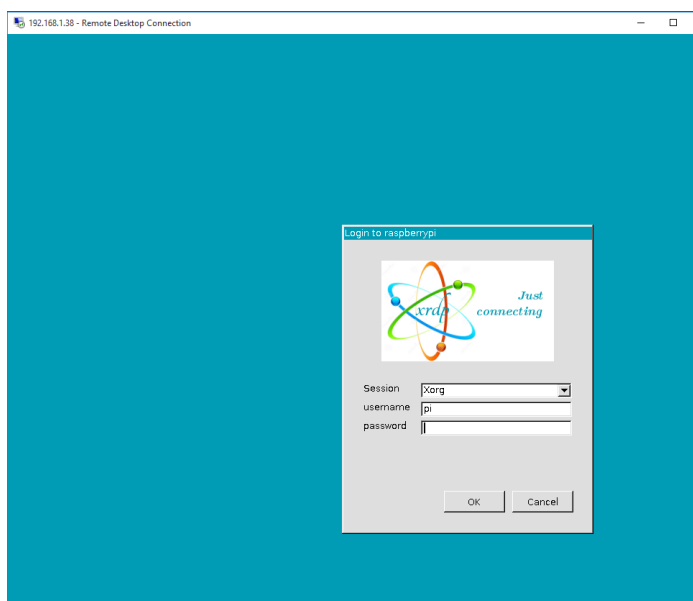Notice! Make sure you choose the right Device name.

- Put SDCard in RPi and plug in your LAN Cable to RPi.
- Power on RPi.
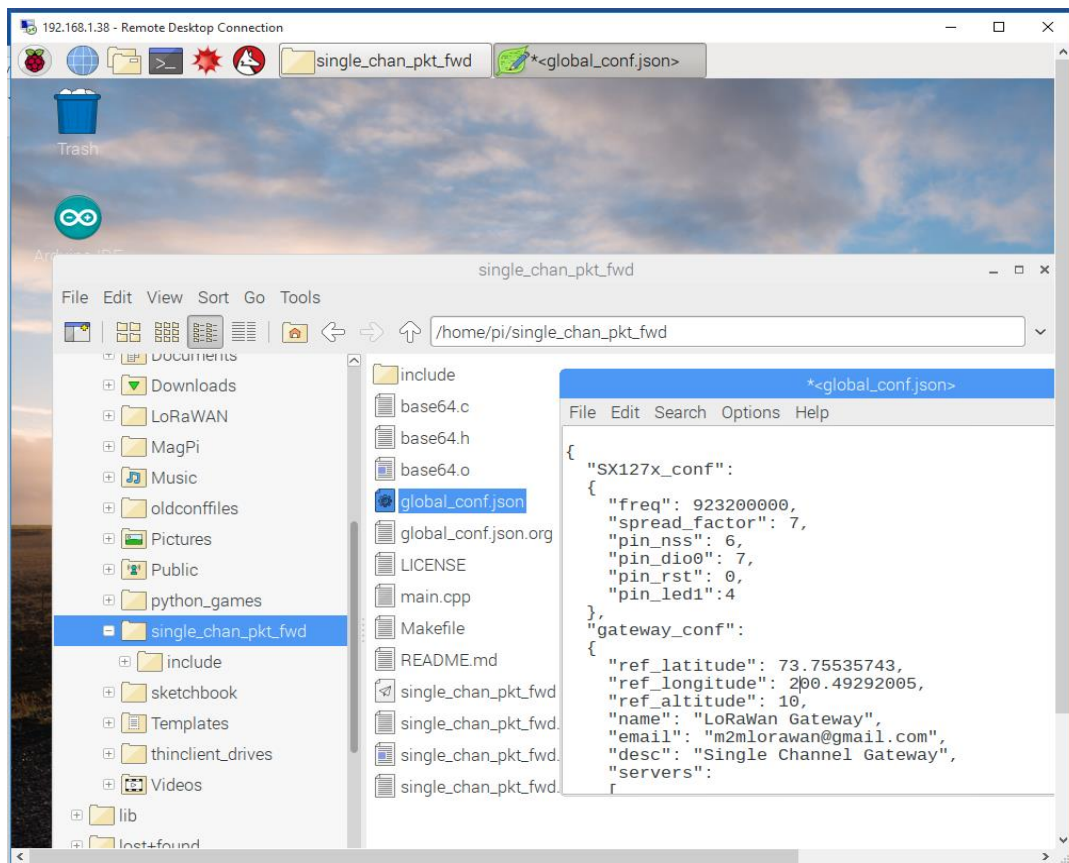- Run Wireless Network Watcher on PC and find out what IP no is assigned to your RPi.

- Use windows Remote Desktop Connection and IP no. for remote connection.
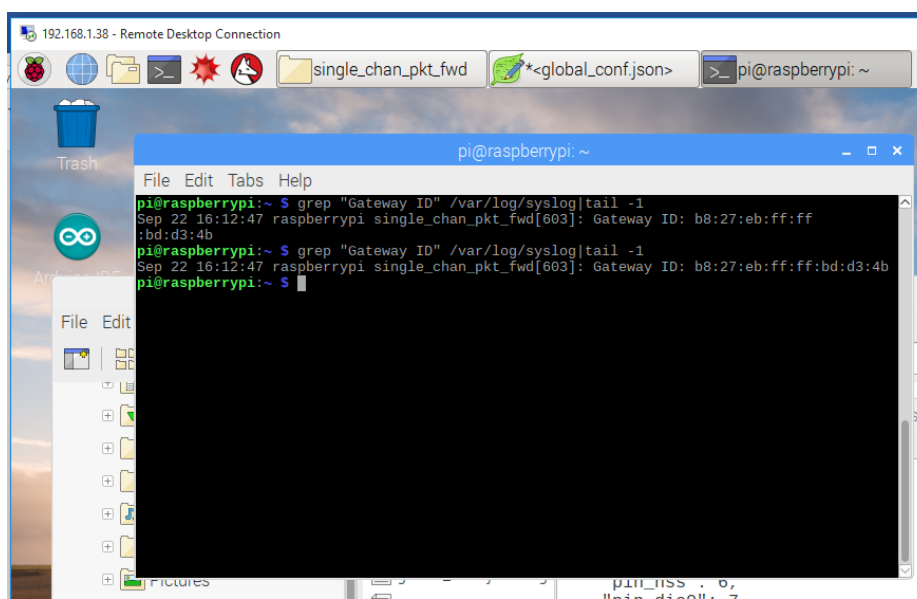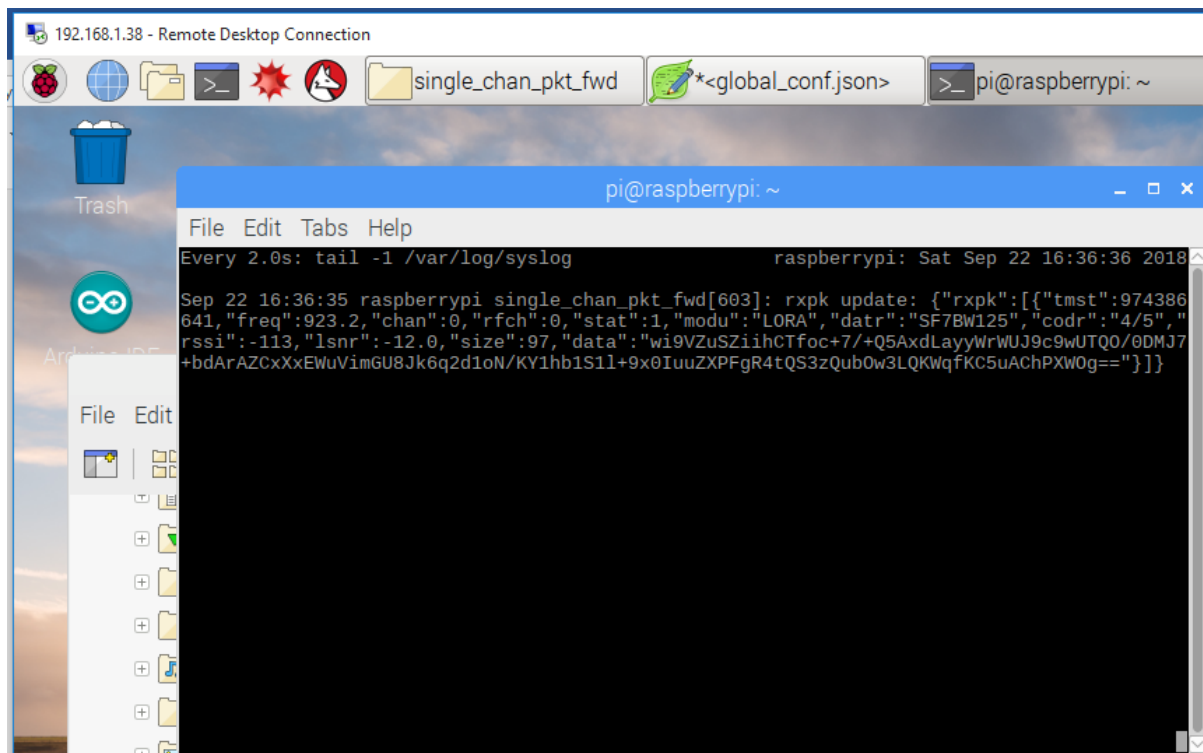

Click Yes

Login Name: pi Password: raspberry

Edit file /home/pi/single_chan_pkt_fwd/global_conf.json

Change freq and SF as you want. You might correct lat long and alt number later. Then reboot

sudo reboot after changing the config file.

grep "Gateway ID" /var/log/syslog|tail -1

This command will show your gateway id. Use this 8 Hex Numbers to register with TTN.

watch tail -1 /var/log/syslog

If you have a LoRaWAN node nearby and it is sending packets, you can see info coming in by using above command.

Register Your Single Channel Gateway with TTN

Open your TTN web page and use your gateway ID to register.