For Raspberry Pi Zero W

**2018/9/23**

Plug in the power supply , require 5V1A or 5V2A

Part-2 Configute network for your Pi-star,

The 1th way: Power on and open your mobile phone ,search hotspot AP “Pi-Star”, join it use Password :raspberry, then visit use <http://pi-star> or <http://192.168.50.1> ,add you WiFi config in the config page. Reboot again, if success the hotspot will connect to your wifi router.

The 2th way: RPi Pi Zero W without RJ45 LAN interface, so if you have USBtoRJ45 adapter,you can use this way. Insert RJ45 wire, the routers will automatically allocate the IP address, use a computer browser (must use Firefox or Chrome) to access the IP address, set up your personal information.

The 3th way: Visit <http://www.pistar.uk/wifi_builder.php> General WiFi config file use SSID and Password, then copy to your NanoPi’s SDCard ,in the root directory. Then power on, and you find the DHCP IP allocate in your WiFi router.

The 4th way: Add a WiFi hotSPOT on the cell phone or router, the default access WiFi:

SSID:888888-2G password: 0123456789 ,visit the dashboard as follows

iOS shares WiFi hot spots: http://pi-star.local

Other devices share WiFi: <http://pi-star>

Login User: pi-star ,Password :raspberry

If the domain name ”pi-star” can not be identified, use LAN IP scan tool APP like “FING” to find the IP address of the box.

Part-3 Configute your digital radio (DMR mode for example)

The default setting frequency is 433.550MHz, DMR mode, time slot 2, color code 1, and DMRid 4600000

Test: Private call to 9990 ,use parrot mode for echo voice.

**Problem maybe meet in the first time use**

1. Can not connect Pi-Star Dashboard, follow the ways we have description.
2. BER large then 1%, check Power supply if is 5V2A, adjust RXOffset/TXOffset in expert mode around 0,200.

Enter expert mode http://pi-star /admin/expert/edit\_mmdvmhost.php

**Update and upgrade OS**

Login ssh mode <http://pi-star:2222/>

sudo pistar-update && sudo pistar-upgrade

**Upgrade HAT firmware**

Login ssh mode <http://pi-star:2222/>

sudo pistar-mmdvmhshatflash hs\_dual\_hat

**Warning:**

Be sure to use a qualified power supply 5V1A, 5V2A, non-conforming power will lead to bit error rate(BER) instability, Overvoltage will burn this Pi Host and HAT！

All in my BLOG **mmdvm.bi7jta.org**