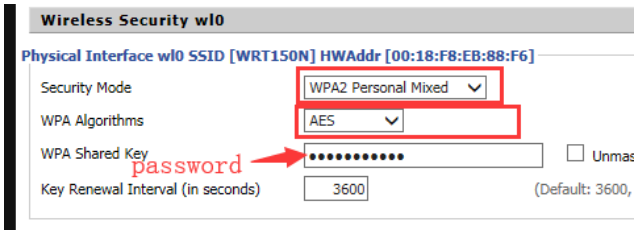
1. Why my mmdvm WIFI connection is malfunction.

Check your “wpa_supplicant.conf” file is accordance with your local WIFI setting.

This file can be generated at this website:

http://www.pistar.uk/wifi_builder.php

Here is an example setting in my router under DD-WRT system.

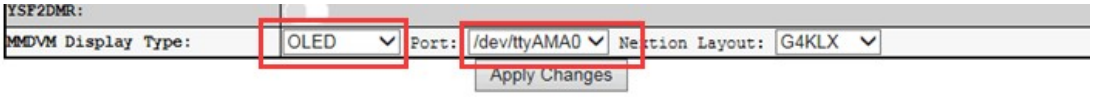


And make sure DHCP is enabled in your router (this is default in most case), which will distribute a dynamic IP for your MMDVM. **You will need this IP to enter the WEB GUI.**

2. Why my OLED is not working.

First, make sure your mmdvm WIFI connection is OK. (A Client named pi-star will show in your router LAN interface)

Then, check your WEB GUI configuration, whether OLED is selected. If NOT, choose it and repower the MMDVM. After 1-2 minutes waiting, OLED will be lighten.



Brief for short, there are 2 points you need to confirm:

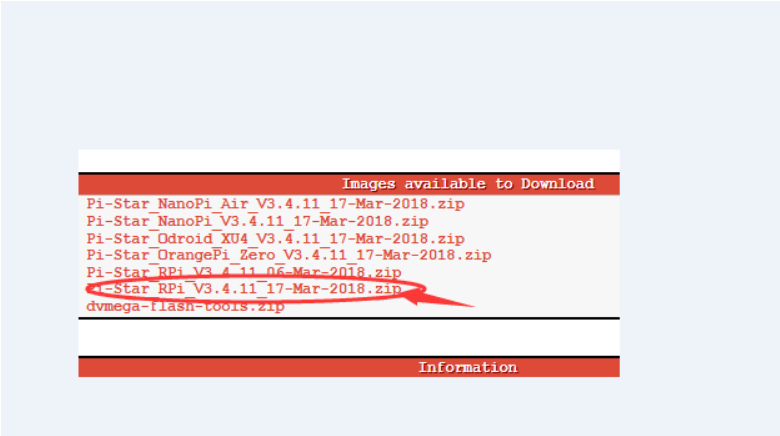
1. your WIFI is configured SSID/PASSWORD rightly; MMDVM connected and get an IP address.
2. Do you select the OLED in WEB GUI

OLED have a rare rate of broken, or wiring error. We do this basic OLED test at every package sen ding.

3. IMG update:

Download new IMG file , and write the IMG to the SD card again

Link: http://www.pistar.uk/downloads/



pls use this software:

https://sourceforge.net/projects/win32diskimager/

4. **YSF ,DMR D-STAR** Setting :

==========DMR Setting==========

1. Your radio must support real double time slot.(DM-5R have 2 types, one is OK, but another is fake support double time slot). Time slot = 2 is default setting in MMDVM, and your radio must set accordingly.

2. Your Color code must set accordance with your radio. Such as CC = 1 in default of MMDVM setting

Short in all, Time slot and Color code setting should be the same in your radio.

pi-star	4.9.35+	Pi Zero W Rev 1.1 (512MB)	2.07 / 0.65 / 0.31	41.7°C / 107.1°F

Control Software

Setting	Value
Controller Software:	○ DStarRepeater ◉ MMDVMHost (Tx-Mega Minimum Firmware 3.07 Required)
Controller Mode:	◉ Simplex Node ○ Duplex Repeater (or Half-Duplex on Hotspots)

Apply Changes

MMDVMHost Configuration

Setting	Value
DMR Mode:	RF Hangtime: 20 Net Hangtime: 20
D-Star Mode:	RF Hangtime: 20 Net Hangtime: 20
YSF Mode:	RF Hangtime: 20 Net Hangtime: 20
P25 Mode:	RF Hangtime: 20 Net Hangtime: 20
NXDN Mode:	RF Hangtime: 20 Net Hangtime: 20
YSF2DMR:	
MMDVM Display Type:	OLED Port: /dev/ttyAMA0 Nextion Layout: G4KLX

Apply Changes

General Configuration

Setting	Value
Hostname:	pi-star Do not add suffixes such as .local
Node Callsign:	BG5TOX your DMR ID must legal applied. and call sign and DMR ID
CCS7/DMR ID:	1234567 should be set the same in your radio. ***IMPORTANT***
Radio Frequency:	431.075.000 MHz
Latitude:	50.000 degrees (positive value for North, negative for South)
Longitude:	0.000 degrees (positive value for East, negative for West)
Town:	Fuzhou city
Country:	CHINA
URL:	http://www.qrz.com/db/BG5ROJ ◉ Auto ○ Manual
Radio/Modem Type:	STM32-DVM / MMDVM_HS - Raspberry Pi Hat (GPIO)
Node Type:	○ Private ◉ Public
System Time Zone:	Asia/Shanghai
Dashboard Language:	english_uk

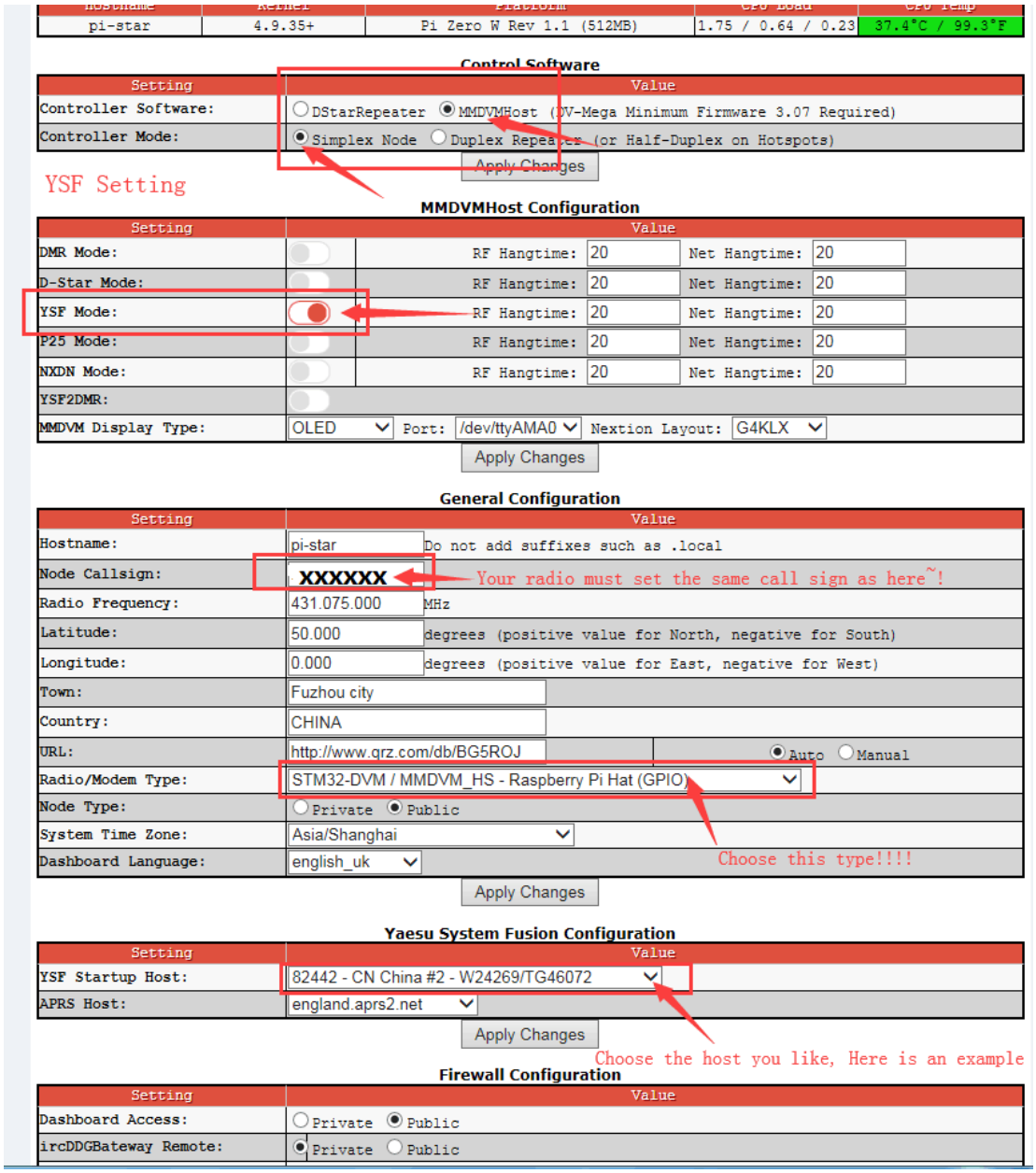
Apply Changes

Choose the host of your location, here is only an example

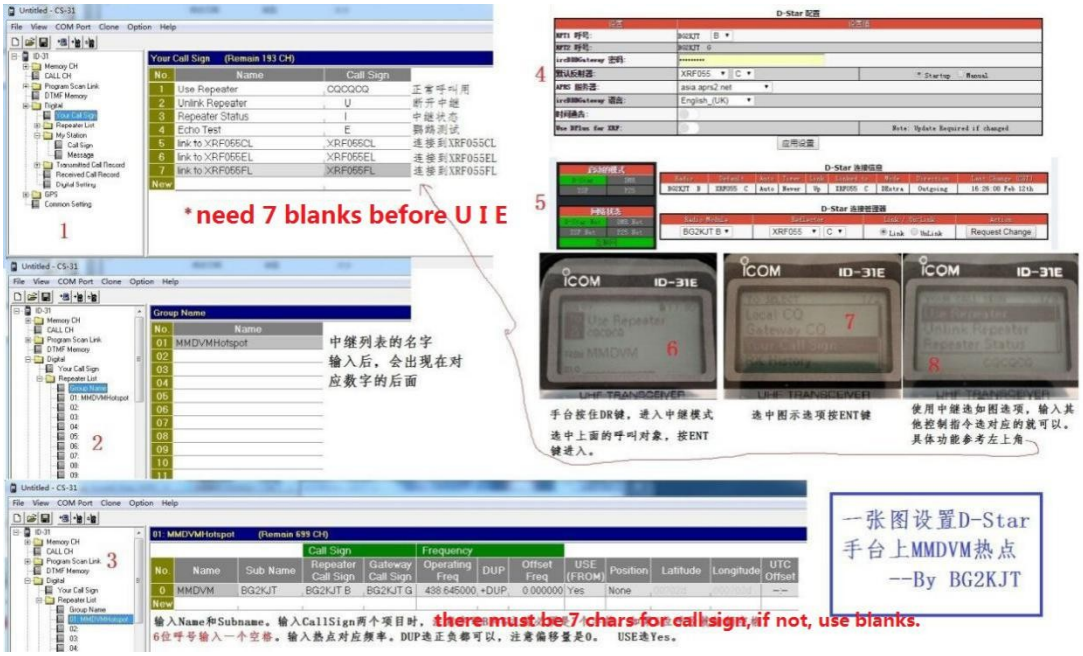
DMR Configuration

Setting	Value
DMR Master:	DMRGateway
BrandMeister Master:	BM_Ukraine_2551
BrandMeister Network:	Repeater Information | Edit Repeater (BrandMeister Selfcare)
DMR+ Master:	DMR+_773RADIOGROUP_TEST
DMR+ Network:	Options=
XLX Master:	XLX_950

==========**YSF Setting**==========



==========D-STAR Setting==========


Your Call Sign (Remain 193 CH)
No. Name Call Sign
1 Use Repeater CQCQCQ 正常呼叫用
2 Unlink Repeater U 断开中继
3 Repeater Status I 中继状态
4 Echo Test E 回路测试
5 link to XRF055CL XRF055CL 连接到XRF055CL
6 link to XRF055EL XRF055EL 连接到XRF055EL
7 link to XRF055FL XRF055FL 连接到XRF055FL
New
*need 7 blanks before U I E
1
Group Name
No. Name
01 MMDVMHotspot
中继列表的名字
输入后，会出现在对
应数字的后面
2
D-Star 配置
4
5
ICOM ID-31E
6
7
8
UHF TRANSCEIVER
手台按住DR键，进入中继模式
选中上面的呼叫对象，按ENT
键进入。
选中图示选项按ENT键
使用中继选如图选项，输入其
他控制指令选对应的就可以。
具体功能参考左上角
01: MMDVMHotspot (Remain 595 CH)
Call Sign
Frequency
No. Name Sub Name Repeater Call Sign Gateway Call Sign Operating Freq DUP Offset Freq USE (FROM) Position Latitude Longitude UTC Offset
0 MMDVM BG2KJT BG2KJT B BG2KJT G 438.645000 -DUP 0.000000 Yes None
New
3
there must be 7 chars for callsign, if not, use blanks.
输入Name和Subname。输入CallSign两个项目时，
6位呼号输入一个空格。输入热点对应频率。DUP选正负都可以，注意偏移量是0。 USE选Yes。
一张图设置D-Star
手台上MMDVM热点
--By BG2KJT