

## HOTSPOT Manual

come with Raspberry Pi ZERO W + hotspot (UHF+VHF main band) + TF8g + Antenna433mhz



### Specifications

802.11 b/g/n wireless LAN

1GHz, single-core CPU

512MB RAM

Micro USB power

installed JumboSPOT UHF(430-440)+VHF(144-146)

(VHF is not the main band, performance reduction)RF extend board.

8G TF CARD Installed PI-STAR panel

support DMR,YSF,P25 mode to QSO with RF To internet

OLED Display

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visit [http://www.pistar.uk/wifi\\_builder.php](http://www.pistar.uk/wifi_builder.php) input your home ssid and psk ,then download the wpa\_supplicant.conf inside with have your home ssid and psk,then save to TF card ,ROOT root directory example F:\ then power on it ,wait 2-3 minutes ,it will auto connect your home 's ssid,you can check your wifi router to see the pi-star host connected and it's ip.

also you can use your pc to ping pi-star ,if success,you can open <http://pi-star> or your pi-star's ip default login user is **pi-star**, pass is **raspberrry**,then login to SET your CALLSIN,ID,FREQ,and Modem,like the picture:

Step1: MMDVMHost Configuration

Only Select DMR to Test

Step2: MMDVM Display Type:

Select OLED

Step3: Apply Changes

Step4: General Configuration

Type

your call sign

your dmr id

radio freq

Step5: Radio / Mode Type: Select STM32-DVM / MMDVM\_SH - Raspberry PI Hat(GPIO)

Step6: Apply Changes

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Pi-Star:3.4.11 / Dashboard: 20180305

## Pi-Star Digital Voice - Configuration

Dashboard | Admin | Expert | Power | Update | Backup/Restore | Factory Reset

### Gateway Hardware Information

Hostname	Kernel	Platform	CPU Load	CPU Temp
pi-star	4.9.35+	Pi Zero W Rev 1.1 (512MB)	2.53 / 1.12 / 0.44	38° C / 102.2° F

### Control Software

Setting	Value
Controller Software:	<input type="radio"/> DStarRepeater <input checked="" type="radio"/> MMDVMHost (DV-Mega Minimum Firmware 3.07 Required)
Controller Mode:	<input checked="" type="radio"/> Simplex Mode <input type="radio"/> Duplex Repeater (or Half-Duplex on Hotspots)

**step1: Only Select DMR to Test**

### MMDVMHost Configuration

Setting	Value
DMR Mode:	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
D-Star Mode:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
YSF Mode:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
P25 Mode:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
NXDN Mode:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
YSF2DMR:	<input type="checkbox"/>
MMDVM Display Type:	<input checked="" type="radio"/> OLED <input type="radio"/> LCD <input type="radio"/> None
Port:	/dev/ttyAMA0
Nextion Layout:	G4KLX

**step2: Select OLED**      **step3: Apply Changes**

### General Configuration

Setting	Value
Hostname:	pi-star
Node Callsign:	<input type="text" value="your call sign"/>
CCS7/DMR ID:	<input type="text" value="your dmr id"/>
Radio Frequency:	<input type="text" value="radio freq"/> Hz (430~440 / 144~146)
Latitude:	50.000 degrees (positive value for North, negative for South)
Longitude:	0.000 degrees (positive value for East, negative for West)
Town:	A Town, LOC4TOR
Country:	Country, UK
URL:	http://www.qrz.com/db/M1ABC <input checked="" type="radio"/> Auto <input type="radio"/> Manual
Radio/Modem Type:	<input checked="" type="radio"/> STM32-DVM / MMDVM_SH - Raspberry PI Hat(GPIO)
Mode Type:	<input checked="" type="radio"/> Private <input type="radio"/> Public
System Time Zone:	Asia/Hong_Kong
Dashboard Language:	english_uk

**step4: type your call sign dmr id**      **step5: Select STM32-DVM / MMDVM\_SH - Raspberry PI Hat(GPIO)**      **step6: Apply Changes**

also your DMR radio must input the Talk Group and Freq ,then you can talk now.

More info

<http://www.pistar.uk>

[http://www.pistar.uk/dmr\\_bm\\_talkgroups.php](http://www.pistar.uk/dmr_bm_talkgroups.php)

if you have problem you can install the pi-star IMAGE file to TF card again :

<http://www.pistar.uk/downloads/>

[http://www.pistar.uk/downloads/Pi-Star\\_RPi\\_V3.4.11\\_17-Mar-2018.zip](http://www.pistar.uk/downloads/Pi-Star_RPi_V3.4.11_17-Mar-2018.zip)