

JumboSPOT RTQ(READY TO QSO) Manual

Note :

RXoffset :0 if without the white antenna

Firmware update: <https://www.youtube.com/watch?v=gwKgOiBcSxQ&feature=youtu.be>
<http://jumbospot17.blogspot.com/2018/01/how-to-upgrade-fw.html>

<https://www.youtube.com/watch?v=4vZZfe-hBfg&feature=youtu.be>

<http://radioaficion.com/news/jumbo-spot-rtq-mini-mmdvm/>

<http://radioaficion.com/news/jumbo-spot-mmdvm-review/>

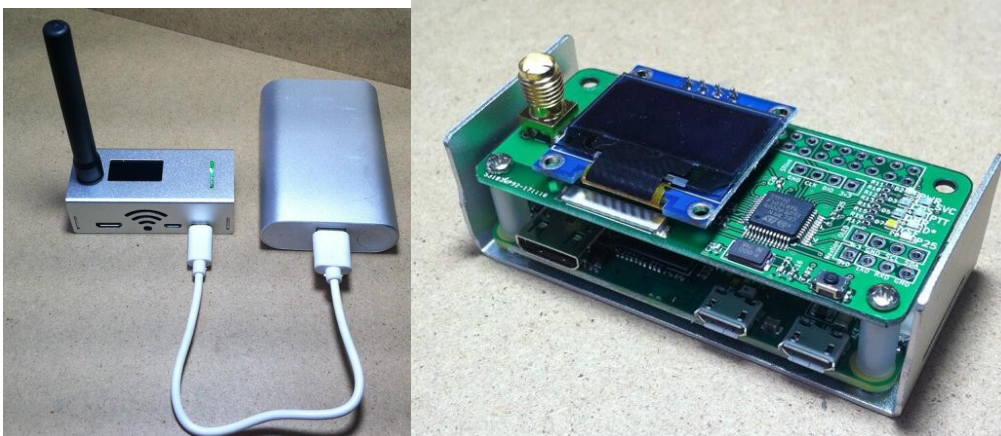
<https://www.youtube.com/watch?v=gwKgOiBcSxQ&feature=youtu.be>

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 selected the OLED in WEB GUI

OLED have a rare rate of broken, or wiring error. we do this basic OLED test at every package sending.

come with ZERO W(with wifi)+jumbospot(UHF+VHFnot main band)+TF8g(pi-star)+ANT433mhz



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

Default installed pi-star to TF card, wifi TEST SSID is TZB,pass is 13902982913,you can change your router 's default SSID and pass it will auto connect.

or you can

visit 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 **raspberrypi**,then login to SET your CALLSIGN,ID,FREQ,and Modem,like the picture:

MMDVMHost Configuration					
Setting	Value				
DMR Mode:	<input checked="" type="checkbox"/> RF Hangtime: 20 Net Hangtime: 20				
D-Star Mode:	<input type="checkbox"/> RF Hangtime: 20 Net Hangtime: 20				
YSF Mode:	<input type="checkbox"/> RF Hangtime: 20 Net Hangtime: 20				
P25 Mode:	<input type="checkbox"/> RF Hangtime: 20 Net Hangtime: 20				
MMDVM Display Type:	None <input type="text" value="Port: /dev/ttyAMA0"/> <input type="button" value="Apply Changes"/>				
<table border="1"> <thead> <tr> <th>Setting</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Hostname:</td> <td></td> </tr> </tbody> </table>		Setting	Value	Hostname:	
Setting	Value				
Hostname:					

Display Type is :OLED then Apply Changes.

Gateway Hardware Information

Hostname	Kernel	Platform	CPU Load	CPU Temp
pi-star	4.9.35+	Pi Zero W Rev 1.1 (512MB)	1.19 / 1.03 / 0.99	29.9° C / 85.8° 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 Node <input type="radio"/> Duplex Repeater

Apply Changes

Frist Only Select DMR to Test **A**

MMDVMHost Configuration

Setting	Value
DMR Mode:	<input checked="" type="checkbox"/> RF Hangtime: 20 Net Hangtime: 20
D-Star Mode:	<input type="checkbox"/> RF Hangtime: 20 Net Hangtime: 20
YSF Mode:	<input type="checkbox"/> RF Hangtime: 20 Net Hangtime: 20
P25 Mode:	<input type="checkbox"/> RF Hangtime: 20 Net Hangtime: 20
MMDVM Display Type:	None Port: /dev/ttyAMA0

Select :OLED

Apply Changes

General Configuration

Setting	Value
Hostname: B	pi-star Do not add suffixes such as .local
Node Callsign:	your call sign
CCST/DMR ID:	your dmr id
Radio Frequency:	radio freq MHz 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, LOC4T0R
Country:	Country, UK
URL: C	http://www.grz.com/db/BH8DIB <input checked="" type="radio"/> Auto <input type="radio"/> Manual
Radio/Modem Type:	STM32-DVM / MMDVM_HS - Raspberry Pi Hat (GPIO) select this
Node Type:	<input checked="" type="radio"/> Private <input type="radio"/> Public
System Time Zone:	Asia/Hong_Kong
Dashboard Language:	english_uk

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

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_V3.4.8_08-Dec-2017.zip