



Radioddity

RHS-H1 Hotspot D-Star Multi Mode IP Gateway



Radioddity RHS-H1 Hotspot D-Star Multi Mode IP Gateway Instruction Manual

[Home](#) » [Radioddity](#) » Radioddity RHS-H1 Hotspot D-Star Multi Mode IP Gateway Instruction Manual 

Contents

- [1 Radioddity RHS-H1 Hotspot D-Star Multi Mode IP Gateway](#)
- [2 Product Usage Instructions](#)
- [3 Frequently Asked Questions](#)
- [4 Specifications](#)
- [5 Documents / Resources](#)
 - [5.1 References](#)
- [6 Related Posts](#)



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Radioddity RHS-H1 Hotspot D-Star Multi Mode IP Gateway



Specifications

- 802.11 b/g/n wireless LAN
- Quad-Core A53 1GHz
- 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 supports DMR, YSF,P25, D-STA,R and NXDN mode to QSO with RF To internet
- OLED Display

Product Usage Instructions

Step 1: MMDVMHost Configuration

Only Select DMR to Test.

Step 2: MMDVM Display Type

Select OLED.

Step 3: Apply Changes

Step 4: General Configuration

Type your call sign, your DMR ID, and radio frequency.

Step 5: Radio / Mode Type

Select STM32-DVM / MMDVM_SH – Raspberry PI Hat(GPIO).

Step 6: Apply Changes

For more technical support, visit www.MMDVMHost.sdr.kim

Frequently Asked Questions

- **Q: How do I set up my DMR radio to communicate with the HOTSPOT?**
 - A: Your DMR radio must input the Talk Group and Frequency. More information can be found at <http://www.pistar.uk>
- **Q: What should I do if I encounter issues with the HOTSPOT?**
 - A: You can install the Pi-star IMAGE file to the TF card again. Visit <http://www.pistar.uk/downloads/> for more information and to download the necessary files.

For technical support, you can also visit www.MMDVMHost.sdr.kim

HOTSPOT is DMR,YSF,P25,D-STAR Multi Mode IP Gateway QSO anywhere come with Raspberry Pi ZERO W + hotspot (UHF+VHF main band) + TF8g + Antenna433mhz



Specifications

- 802.11 b/g/n wireless LAN
- Quad-Core A53 1GHz
- 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, D-STAR, and NXDN mode to QSO with RF To internet
- OLED Display

visit http://www.pistar.uk/wifi_builder.php input your home ssid and psk ,then download the wpa_supplicant.conf inside it has your home ssid and psk, then save to TF card, ROOT root directory example F:\ then power on it ,wait 2-3minutes, 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 successful,you can open <http://pi-star> or your pi-star's ip default login user ispi-star, pass is raspberry, then login to SET your CALLSIGN, 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

The screenshot shows the Pi-Star Digital Voice Configuration interface. The top navigation bar includes links for Dashboard, Admin, Expert, Power, Update, Backup/Restore, and Factory Reset. The main content area is divided into several sections:

- Gateway Hardware Information:** A table showing system details like Hostname (pi-star), Kernel (4.9.35+), Platform (Pi Zero W Rev 1.1 (512MB)), CPU Load (2.53 / 1.12 / 0.44), and CPU Temp (39° C / 102.2° F).
- Control Software:** A section for selecting the controller software and mode. The MMDVMHost option is selected under Controller Software, and the Duplex Repeater mode is chosen under Controller Mode.
- MMDVMHost Configuration:** A section for configuring DMR and other modes. The DMR Mode is selected with a radio button. The Display Type is set to OLED. The Port is /dev/ttyAMA0 and the Nextion Layout is G4KLX.
- General Configuration:** A section for setting the hostname, callsign, ID, frequency, and other system parameters. The callsign, ID, and frequency fields are highlighted with a green box and labeled as step 4. The Radio/Modem Type is set to STM32-DVM / MMDVM_SH - Raspberry PI Hat(GPIO).

Green arrows and text labels indicate the steps to follow:


- step1: Only Select DMR to Test** points to the DMR Mode radio button.
- step2: Select OLED** points to the OLED dropdown menu.
- step3: Apply Changes** points to the Apply Changes button.
- step4: type your call sign dmr id** points to the Callsign, ID, and Frequency fields.
- step5: Select STM32-DVM / MMDVM_SH - Raspberry PI Hat(GPIO)** points to the Radio/Modem Type dropdown.
- step6: Apply Changes** points to the Apply Changes button at the bottom.

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 a 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

Technical support www.MMDVMHost.sdr.kim

Documents / Resources

	<p>Radioddity RHS-H1 Hotspot D-Star Multi Mode IP Gateway [pdf] Instruction Manual RHS-H1 Hotspot D-Star Multi Mode IP Gateway, RHS-H1, Hotspot D-Star Multi Mode IP Gateway, Multi Mode IP Gateway, Mode IP Gateway, IP Gateway</p>
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References

-  [Home - pistar.uk](http://www.pistar.uk)
-  [BrandMeister Talkgroup List - pistar.uk](#)
-  [Pi-Star Downloads - pistar.uk](#)
-  [Pi-Star WiFi Builder - pistar.uk](#)
- [User Manual](#)

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