

## DXMINI v2 Quick Start Guide

Thank you for choosing DXMINI as your mobile digital hotspot!

Our quick start guide is created to get your station on the air with minimal and easy setup. Feel free to contact us with any questions you may have regarding your new DXMINI and we would be happy to assist you.

Email us at: [sales@dxmini.com](mailto:sales@dxmini.com)

### Step 1: connecting to DXMINI from WiFi enabled computer, tablet, or phone

- Plug in your DXMINI and wait two minutes
- Locate the wireless network finder on your WiFi enabled computer, tablet, or phone
- Connect to the wireless network called “Pi-star” or “Pi-Star Setup”
- If asked for a username and password: pi-star / raspberry
- Open Internet Explorer or Chrome (Safari if using an apple device)
- Type the following in the address bar (URL): 192.168.50.1
- You will see the Pi-Star dashboard

### Step 2: entering your station information

Once the DXMINI dashboard loads on your web browser, click on “**Configuration**”



Enter user name: **pi-star**

Enter password: **raspberrry**

Log in to 192.168.1.9:80

Your password will be sent unencrypted.

Remember this password

[Cancel](#) [Log In](#)

- Update your desired UHF duplex frequency using a +/-5 offset  
**NOTE:** Remember the TX and RX will be backwards from what you program your radio to. The DXMINI is asking for the TX frequency it will send a signal to the receive frequency on the radio. For example, if you program your radio for 433.800 with a +5 offset, the TX frequency for the DXMINI would be 433.800 while the receive would be

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438.800 as that is the frequency your radio will be transmitting.

Next, complete the following fields by selecting the corresponding settings (only select the digital modes you plan on using):

- Update your call sign in the appropriate field
- Complete the remaining location fields
- Click on Apply

MMDVMHost Configuration	
Setting	Value
DMR Mode:	<input checked="" type="checkbox"/> RF Hangtime: 20 Net Hangtime: 20
D-Star Mode:	<input checked="" 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
NXDN Mode:	<input type="checkbox"/> RF Hangtime: 20 Net Hangtime: 20
YSF2DMR:	<input type="checkbox"/>
YSF2NXDN:	<input type="checkbox"/>
YSF2P25:	<input type="checkbox"/>
DMR2YSF:	<input type="checkbox"/> Uses 7 prefix on DMRGateway
DMR2NXDN:	<input type="checkbox"/> Uses 7 prefix on DMRGateway
POCSAG:	<input type="checkbox"/> POCSAG Paging Features
MMDVM Display Type:	Nextion ▼ Port: /dev/ttyNextionDriver ▼ Nextion Layout: ON7LDS L3 HS ▼

Apply Changes

General Configuration	
Setting	Value
Hostname:	pi-star Do not add suffixes such as .local
Node Callsign:	Your Call Sign
CCS7/DMR ID:	Your DMR ID
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:	City, State
Country:	USA
URL:	http://www.qrz.com/db/ Your Call Sign <input type="radio"/> Auto <input checked="" type="radio"/> Manual
Radio/Modem Type:	STM32-DVM / MMDVM_HS - Raspberry Pi Hat (GPIO)
Node Type:	<input type="radio"/> Private <input checked="" type="radio"/> Public
System Time Zone:	America/Chicago
Dashboard Language:	english_us

Apply Changes

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### Step 3: configuring WiFi

- Scroll to the bottom of the configuration screen and select “Configure Wifi”
- Click scan for networks and select your router then enter your WiFi password
- Click “Save and Connect” when done
- Repeat as necessary if you would like to add more than one WiFi connection point
- Click on “Apply Changes” when complete
- Wait for Dashboard to reboot

### Step 4: Start using your DXMINI

- Disconnect your personal device Wifi from the Pi-Star network and return back to the Wifi connection you will be using your DXMINI on
- Allow two minutes for the DMINI to reboot
- Congrats, you are on the air with your DXMINI!

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### Recommended Digital mode settings:

When using multiple digital modes, it is strongly encouraged to set all mode defaults to **“None”** to avoid the DXMINI from switching to an unwanted digital mode when you are using your device. For example, if you are actively monitoring or transmitting on DMR, you do not want to monitor D-Star as your DXMINI will switch to which ever digital mode is currently being received via the built-in modem. Remember to always send the disconnect code from your radio before switching and operating a different digital mode (i.e. tg4000 for DMR, “U” – unlink command for D-Star).

DMR:

DMR Configuration	
Setting	Value
DMR Master:	BM_United_States_3102
BrandMeister Network:	Repeater Information   Edit Repeater (BrandMeister Selfcare)
DMR Colour Code:	1
DMR EmbeddedLCOnly:	<input type="checkbox"/>
DMR DumpTADData:	<input checked="" type="checkbox"/>

Apply Changes

D-Star:

D-Star Configuration	
Setting	Value
RPT1 Callsign:	KG5UBV B
RPT2 Callsign:	KG5UBV G
Remote Password:	.....
Default Reflector:	REF001 C <input type="radio"/> Startup <input checked="" type="radio"/> Manual
APRS Host:	central.aprs2.net
ircDDBGateway Language:	English_(US)
Time Announcements:	<input type="checkbox"/>
Use DPlus for XRF:	<input type="checkbox"/> Note: Update Required if changed

Apply Changes

Fusion:

Yaesu System Fusion Configuration	
Setting	Value
YSF Startup Host:	None
APRS Host:	central.aprs2.net

Apply Changes

P25:

P25 Configuration	
Setting	Value
P25 Startup Host:	None
P25 NAC:	293

Apply Changes