

JANOSPOT

Thank you for purchasing your JanoSpot Lite 2.

This guide is intended to provide you with the basic steps needed to get your JanoSpot Lite 2 powered up and online. For full instructions on configuring your device to connect onto the DRM Network we have created a handy guide to help you through these steps.

In order to access this guide please follow the QR code below, alternatively please visit our site where you will find a link to the guide.



If you have any questions regarding your JanoSpot please dont hesitate to contact us on support@janospot.co.uk or alternatively more information on the Janospot and its setup can be found over on our website www.janospot.co.uk

Disclaimer: This preassembled MMDVM Kit is intended for use only by licenced Amateur Radio Operators.

JANOSPOT



JANOSPOT Lite 2 Setup Guide

SETTING UP YOUR JANOSPOT

Thank you for purchasing your Janospot. This guide will walk you through the first steps with setting up your device. This guide is purely designed to assist you with powering up your device, along with connecting to the device via your home network. For a full guide on configuring the basics of your JanoSpot, please refer to the back page of this guide for a handy QR code along with details of our website.

All JanoSpot devices come complete with a MicroUSB Cable. We don't currently supply our devices with a mains plug as the JanoSpot can be powered by a number of methods. We recommend a 5v 3amp USB Plug, however your device can be powered from your computer USB or USB Powerbank.

1. Insert the supplied USB lead into the JanoSpot PWR connector, and connect to a suitable power supply
2. Your JanoSpot should now start to boot. Bootup time can take several minutes. During bootup you may notice a red LED light flashing on the device. This is a normal part of the bootup process.
3. If you have provided your WiFi details as part of your purchase, your JanoSpot should automatically connect onto your home WiFi. If you have not provided your details move onto section 4. In order to access your JanoSpot Dashboard, open a web browser and goto <http://janospot.local>
4. If you have not provided your WiFi credentials at point of purchase, your JanoSpot will automatically establish a WiFi network to connect to. On a WiFi device locate a new WiFi called JanoSpot and connect.
5. Your JanoSpot dashboard will now be displayed.
6. Click Configuration,

QUICK REFERENCE GUIDE

Below we've included details of the current configured settings on the Hotspot required for programming your radio to work with your hotspot, along with some useful talk group details.

Hotspot Configuration

Hostname: janospot.local

Username: pi-star

Password: Janospot2023

Hotspot Freq: 438.800Mhz

Slot Number: Slot 2

Mode: Simplex Mode

Common Talk Groups

TG2350—UK Talk Group (UK Calling Group, Short QSO's are permitted)

TG2351—UK Talk Group Chat 1

TG2352—UK Talk Group Chat 2

TG2353—UK Talk Group Chat 3

TG2354—Northern Ireland (Centre Of Activity)

TG3255—Scotland (Centre Of Activity)

TG2356—Wales (Centre Of Activity)

3. Configure DMR Configuration:

4. In the Pi-Star dashboard, go to “Configuration” > “DMR Configuration.”

4. Enter Your DMR ID:

5. In the “General Configuration” section, locate the field labeled “CCs7/DMR ID.”
Enter your UK DMR ID that you obtained from Radioid.net.

6. Click Apply Changes

5. Configure Brandmeister Network:

6. Scroll down to the “DMR Configuration” section.

7. Enter your Brandmeister Hotspot password in the “Password” field.

8. Click Apply Changes

6. Configure Brandmeister API Key:

7. At the top of the screen click “Expert”

8. Click “BM API”

9. Paste the API key you generated on the Brandmeister website into this field.

10. Click Apply Changes.

11. The key box will go blank once the changes have been saved. This is normal.

7. Reboot Your Hotspot:

8. To apply the changes, reboot your Pi-Star hotspot by clicking “Admin” > “Shutdown” > “Reboot.”

Your Pi-Star hotspot is now fully configured with your UK DMR ID, Brandmeister Hotspot password, and Brandmeister API Key. This setup allows you to connect to the DMR network and access enhanced features via the Brandmeister API. Make sure your DMR radio is also programmed with the correct settings to use your hotspot.

Please note that while the process mentioned above should work, the exact steps and interface may vary slightly depending on the version of Pi-Star you are using. If you encounter any issues or have questions, refer to the Pi-Star documentation or community forums for further assistance.

The logo for JanoSpot, with 'JANO' in orange and 'SPOT' in black, in a bold, sans-serif font.

7. When prompted to login enter the following credentials,

Username: pi-star

Password: Janospot2023

8. From the Configuration page scroll down to “Wireless Configuration” and select “Configure WiFi”,

9. Click “Scan WiFi” and select your WiFi from the provided list.

10. Enter your WiFi password and save the configuration.

11. Your JanoSpot should now restart automatically.

12. Once your JanoSpot has restarted open a web browser and navigate to <http://janospot.local>

This completes your basic setup of your JanoSpot device. In order to use the device fully on the DMR network you must proceed with further setup of your device including entering your DMR ID and Brandmeister password into the configuration.

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Setting up your UK DMR ID, Brandmeister Hotspot password, and Brandmeister API Key in Pi-Star

Setting up your UK DMR ID, Brandmeister Hotspot password, and Brandmeister API Key is essential for configuring your Digital Mobile Radio (DMR) hotspot in the United Kingdom. In this comprehensive guide, we'll walk you through each step of the process, including the creation of a Brandmeister API Key for enhanced functionality.

Before you begin: Make sure you have the following:

A DMR radio.

Access to the internet.

A Raspberry Pi-based hotspot running Pi-Star. If you haven't set up your Pi-Star hotspot yet, please do so first.

Part 1: Obtaining a UK DMR ID

Visit the DMR-Radioid.net website: Go to the DMR-MARC website (<https://www.radioid.net/register>) in your web browser.

Register for a DMR ID:

Click on "Log In/ Sign Up" or a similar link on the website.

Follow the instructions to register for a DMR ID. You'll need to provide some personal information and agree to the terms and conditions.

Wait for Approval:

RadioID.Net administrators will review your application. Approval may take some time (usually a few days). Be patient.

Receive Your DMR ID:

Once your application is approved, you'll receive an email with your assigned DMR ID. Make note of this ID as you'll need it for your hotspot setup.

Part 2: Brandmeister Hotspot Password and API Key

Visit the Brandmeister Network: Go to the Brandmeister Network website (<https://brandmeister.network/>) in your web browser.

Create an Account:

Click on "Login/Register" and create an account if you don't have one already.

Verify your email address by clicking the link sent to your email.

Log in to Your Brandmeister Account:

Log in to your Brandmeister account.

Generate a Selfcare Password:

In your Brandmeister dashboard, navigate to "Selfcare" or "Dashboard."

Under "Password," click on "Generate New Password."

Make a note of this password; you'll need it for your hotspot setup.

Generate a Brandmeister API Key:

In your Brandmeister dashboard, navigate to "Selfcare" or "Dashboard."

Under "API Keys," click on "Generate New API Key."

Provide a description for your API key (e.g., "Pi-Star Hotspot Access").

Click the "Generate" or "Create" button to generate your API key.

Copy the API key to your clipboard.

Part 3: Entering Information into Pi-Star

Access Your Pi-Star Dashboard:

Connect to your Pi-Star hotspot's Wi-Fi network or access the web interface through your local network.

Open a web browser and enter the IP address of your Pi-Star hotspot <http://janospot.local/>

Login to Pi-Star:

Enter your Pi-Star admin username and password to log in. These details will be included on your Quick Start Guide