

Connecting a SharkRF Openspot Hotspot to Georgia Digital

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Overview

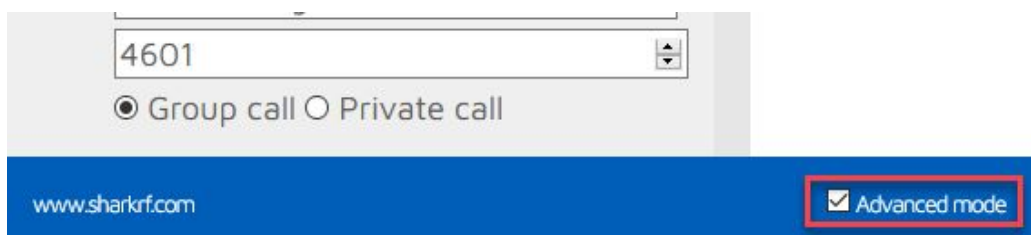
The process of connecting your Openspot1/2/3 to Georgia Digital is very simple!

You may want to reserve a profile in your hotspot for use with Georgia Digital as the settings are slightly different from how you use it to connect to Brandmeister.

The assumption is you already have your Openspot hotspot configured for use with a DMR radio.

Step-by-Step

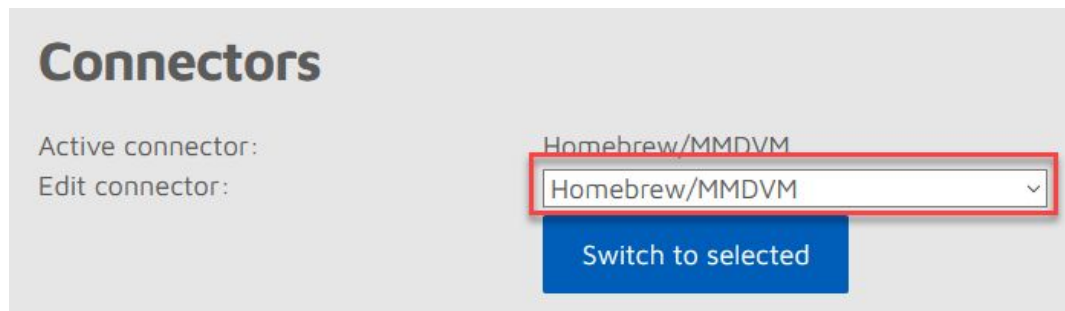
1. Ensure the **Advanced Options** checkbox in the lower right-hand corner of the page is **enabled** - otherwise, you will not see all of the options that are available to you



2. Switch to the **Connections** tab



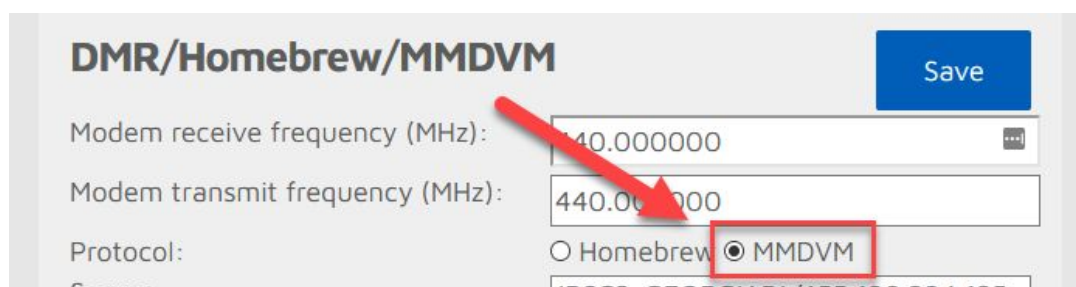
3. Ensure the **Active Connector** is set to **Homebrew/MMDVM** then click **Switch to Selected**



4. Scroll down to **DMR/Homebrew/MMDVM**



5. Change the **Protocol** option from **Homebrew** to **MMDVM**



6. In the Server drop-down select, choose **IPSC2-GEORGIADI (155.138.224.137)**

Modem transmit frequency (MHz):	440.925000
Protocol:	<input type="radio"/> Homebrew <input checked="" type="radio"/> MMDVM
Server:	IPSC2-GEORGIADI (155.138.224.137) ▾
Server address:	IPSC2-FR-LINK (51.178.36.69)
Port:	IPSC2-FR4KM (193.253.115.225)
	IPSC2-FRANCE (109.15.57.11)
	IPSC2-FRANCE 3 (164.132.195.103)
Callsign:	IPSC2-GEORGIADI (155.138.224.137)
DMR ID:	IPSC2-GR-DMO (79.129.33.74)
URL:	IPSC2-HAMCL (HAMNET) (44.148.230.102)
Server password:	IPSC2-HamCloud (HAMNET) (44.148.230.102)

The **Server Address** and **Port** should automatically display 155.138.224.137 and 55555 respectively

Protocol:	<input type="radio"/> Homebrew <input checked="" type="radio"/> MMDVM
Server:	IPSC2-GEORGIADI (155.138.224.137) ▾
Server address:	155.138.224.137
Port:	55555

- Ensure that your **DMR ID** is set to your own DMR ID number - while you can append a two-digit SSID to uniquely identify your hotspot, for compatibility reasons, it is not recommended.

You may set the **URL** field to your QRZ profile (<https://www.qrz.com/db/MYCALL>), the URL for Georgia Digital (<http://dmr.georgiadigital.net/ipsc>), or any other URL. You can also leave it as the default value (<https://sharkrf.com>). It is not a critical setting.

No password is required - leave **Server Password** blank.

Callsign:	MYCALL
DMR ID:	1234567
URL:	https://sharkrf.com/
Server password:	

8. Scroll down to **MMDVM options for DMRplus** and enable the checkbox next to **Use DMRplus Options**

MMDVM options for DMRplus

Use DMRplus options

Start reflector: 4000 No Link

9. If you want to automatically connect to a Reflector, you can choose the Reflector from the **Start Reflector** drop-down select - otherwise, set the value to **4000 No Link**

You do not need to set a value for **Relink Time (min)** as that timer is enforced on the server-side

Start reflector: 4000 No Link

Start reflector ID: 4000

Relink time (min):

10. Select the checkbox next to **User Link Allowed**

User link allowed

11. If you want to define Static Talkgroups, there are 5 fields for defining Static Talkgroups (**Static TG #1** to **Static TG #5**) as five is the maximum number of static talkgroups - enter one Talkgroup ID number in each field

You do not need to define five Static Talkgroups - you can use one, two, three, four, five, or you do not need to configure any at all - the choice is yours!

See the **Reference** section for an example of the **Raw Options** field

Static TG #1: 3113

Static TG #2: 31131

Static TG #3: 31132

Static TG #4: 31133

Static TG #5: 31134

Raw options: StartRef=4000;RelinkTime=;UserLink:

12. Scroll back up to the **DMR/Homebrew/MMDVM** section and click **Save** to apply changes



Commands

<u>Action</u>	<u>Number</u>	<u>Type</u>
Disconnect Talkgroup	400	Group Call
Parrot	9990	Group Call

Reference

The **Raw Options** field will automatically populate with the appropriate values - it should look like this

```
StartRef=4000;RelinkTime=;UserLink=1;TS1_1=AAAAA;TS1_2=BBBBB;TS1_3=CCCCC;TS1_4=DDDDD;TS1_5=EEEEEE;
```

Where:

```
AAAAA is the value for Static TG #1  
BBBBB is the value for Static TG #2  
CCCCC is the value for Static TG #3  
DDDDD is the value for Static TG #4  
EEEEEE is the value for Static TG #5
```

Here's an example of an Openspot configured for 5 Static Talkgroups (3113, 31131, 31132, 31133, 31134)

```
StartRef=4000;RelinkTime=;UserLink=1;TS1_1=3113;TS1_2=31131;TS1_3=31132;TS1_4=31133;TS1_5=31134;
```