Using UK Brandmeister Repeaters

For a list of UK Brandmeister repeaters, use this link
https://brandmeister.network/?page=repeaters

In the top right you will see a search box.
Type in   GB7   and that will show all UK repeaters.

Slot 1

Time Slot 1 (Talk Groups Brandmeister)
TG 9   - Local

Some Repeaters offer other talk groups.
Full info on this Link.
*Best practice is not to use other Talk Groups.
Unless a Repeater lists them

Brandmeister
By using other Talk Groups you lock all others out of using this Time Slot. All users get, is the Repeater is in use and do not know what Talk Group is being used.

Use Google, Facebook or the first link to find out more info regarding the repeater you will be using and what Talk Groups is offered on slot 1. Some offer all and others do not.

Slot 2

Time Slot 2 (Reflectors on Brandmeister)
TG 9   - UK Wide Call on 4400 by default.*
         After contact please move to a Reflectors below.

User Activated Reflectors on Slot 2.
4401 - Chat 1
4402 - Chat 2
4403 - Chat 3
4404 - Ireland
4405 - Scotland
4407 - Wales
4410 - S.West
4411 - S.East
4412 - North West
4414 - Ireland Chat
4415 - Scotland Chat
4416 - North East
4417 - Wales Chat
4418 - W.Midlands
4419 - E.Midlands
4420 - Wires X Room 27753
4426 - Allstar Link
4429 - TEST
4000 - Disconnect

* Some Repeaters offer other defaults

Link to all Brandmeister Reflectors
Do not use any other Talk Groups on Slot 2

DMR Text Message

DMR ID You only need one ID number.
For Hotspots take your 7 Dig ID number and add 01, 02, 03 etc to make a 9 dig ID
Do Not do Private call via a Repeater as it ties up the slot so others can not use.
TOT (Radio Timeout Timer) Must be set to 180s
3 second pause should be left before you reply.
**Admit Criteria/TX Permit Etc = should be *Channel Free or Same Color Code*
"Never set to Always"**

Brandmeister Reflectors on Slot 2

Make up a channel with a **contact 9** (TG9) on Slot 2 as **GROUP CALL** in your code plug.

To link and unlink the reflector.

Do a Manual Dial -
Go to Menu - Contact - Manual Dial - enter reflector number 4xxx - transmit for 1 second.
The repeater should respond with a voice announcement, "Connect to reflector 4xxx".
Then go back to Talk Group 9 to make a QSO.

or

Program the radio with the Reflector number as a **PRIVATE CALL** in contacts.

To link to a reflector.
Select the reflector number from the contacts list and transmit for about 1 second.
The repeater should respond with a voice announcement, "Connect to reflector 4xxx".
Then go back to Talk Group 9 to make a QSO.

To unlink select 4000 from the contacts list, transmit for about 1 second, and you should hear a voice announcement "Reflector Disconnected".

To enquire about the reflector link status call 5000 (Add to Contact as Private Call), and the repeater will respond with the currently linked reflector.

Echo/Parrot on UK Master via Ref 9990 on TS-1 or TS-2. (Add to Contact as Private Call)
Echo/Parrot on Irish Master Echo/Parrot is on 272997 on TS-1 or TS-2

Repeater will automatically reconnect to 4400 (or its default) after 15 minutes

inactivity.

BrandMeister DMR UK - Facebook Links - BrandMeister DMR UK-IRL

4000 Disconnect

Added in contacts
4000 as a Private Call will ONLY disconnect Reflectors
4000 as a Group Call will discontent Reflectors and Talk Groups
4000 will not Disconnect Static Talk Groups

Radio Timeout Timer

TOT (Radio Timeout Timer) Must be set to 180s
3 second pause should be left before you reply.

This is set to 180 seconds so Repeaters, Bridges etc do not time out.

When you talk past 180s and the Repeaters, Bridges etc time out and they stop receiving you.
They think you have stopped your TX and replay back but both sides miss each others QSO.

This also applies if you use a hotspot and the other party is on a Repeater or Bridge.

So please always set your TOT to 180 seconds
A 3 minute maximum QSO is a long over. Also lets others replay back.

Why 180 ??

1. When you open a Reflector ie 4401. You will not hear anything until the 1st over is finished and the next one starts. The longest you should have to wait is 180s or less

2. If some talks longer that 180s and the reply does a quick key, repeaters might not have reset and will continue till it hits 240s and then drops out and your left talking to yourself. If one talks for 180 and the next quick keys and talks for 60s then un keys. Then the repeaters reset but nothing was loss between users.

3. This is why at the end of an over a 1 to 2 min gap should be left so repeaters, bridges, can reset. Also lets other break in

4. Using a Hotspot and you have TOT set to Always and you talk on any reflector that is linked to a repeater and talk over 240s that repeater drops out and they think you have finished and replay. Both sides no longer talking to each other. This is happen on a daily basses and they keep blaming the network, when it is user error.

5. Having Mixed mode repeaters set to unlimited means the other mods can be locked out. Also bridges will drop out as they also have time outs set.

6. If a repeater gets into a loop or stuck. It should stop all TX at 240s and reset.

Access Talk Groups on Brandmeister TG9 Is default on slot 1

Linking to BM Reflectors TG9 Is default on slot 2

UK Last Heard Dashboard

For more info go to my site and look under DMR info and PDF Files