

Brandmeister Repeaters & Hotspots v3

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"
Slot 1 **Slot 2 (Brandmeister)**

Time Slot 1 (Talk Groups Brandmeister)

TG 9 - Local

Some Repeaters offer other talk groups.

[Full info on this Link.](#)

Making & Using Talk Groups

1st you need to add the Talk Groups to contacts as a GROUP CALL

(Example TG9 = 9 Group Call)

Make up a channel for each Talk Group you wish to use.

Add each channel to a Zone List.

Turn radio to required ZONE and Talk Group.

Now you can TX on that Talk Group.

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 Talk Groups on Slot 2

Brandmeister Reflectors on Slot 2

Time Slot 2 implements the use of reflectors similar to the D-star network

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

4400 - UK Call
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

Repeaters will automatically reconnect back to 4400 (or its default) after 15 minutes inactivity.

[Link to BRANDMEISTER DASHBOARD & Last Heard](#)

[BrandMeister DMR UK](#) - Facebook Links - [BrandMeister DMR UK-IRL](#)

Hotspot Users

Reflector		Talk Groups	
4400	@	TG2350	UK
4401	@	TG2351	Chat 1
4402	@	TG2352	Chat 2
4403	@	TG2353	Chat 3
4404	@	TG2354	Ireland
4405	@	TG2355	Scotland
4407	@	TG2356	Wales
4409	@	TG2359	Kernow
4410	@	TG23500	S.West
4411	@	TG23510	UK S.East
4412	@	TG23520	North West
4414	@	TG23540	Ireland Chat
4415	@	TG23550	Scotland Chat
4416	@	TG23560	North East
4417	@	TG23570	Wales Chat
4418	@	TG23580	W.Midlands
4419	@	TG23590	E.Midlands
4420	@	TG23522	BM-UK Hub
4426	@	TG23526	Allstar Link
4429	@	REF4429	UK Test reflector
4000	@	TG4000	Disconnect

Simplex Hotspot – Does not matter if the channel is made up on Slot 1 or 2

You can use Reflectors via TG9

You can use Talk Groups by making channels. *See info below*

Duplex Hotspots – Used the same way you would a repeater on Brandmeister

You use Talk Groups on Slot 1 by making channels. *See info below*

You use Reflectors on Slot 2 as shown in the documents above.

BUT

You can on a Duplex Hotspot use Slot 2 for Talk Groups if you so wish by making channels. *See info below*

Info - Making Channels

1st you need to add the Talk Group to contacts as a GROUP CALL

(2350 - Group Call)

Make up a channel for each Talk Group you wish to use.

Add each channel to a Zone List.

Turn radio to required ZONE and channel.

Now you can TX in that Talk Group.

TOT (Radio Timeout Timer) Must be set to 180s

Admit Criteria/TX Permit Etc = should be *Channel Free or Same Color Code* - "Never set to Always"

Or

Make up a channel TG9

You can use Contacts – Manual Dial – Group Call – Enter Talk Group Number – Push PTT and Talk.

NOT all radios offers this feature.

Hotspot Users BER rate

Your BER rate **MUST** be under **1%** when you TX

If not you have packet loss and other RX you as broken up.

Pi-star you need to change your	RXOFFset
BlueDv you need to change	QRG
Openspot you need to run	AutoCal

To find how to make changes Google it.

If using via a mobile phone you should restart your phone before using hotspot.
This way you get the best internet connection.

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.

There is other reasons for a 180s TOT but I will not get into all of them.

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