

Linking to Gateway Dynamic Talk Groups ^{v10}



In this example we will show Slot 2

Time Slot 2 implements the use of Gateway Dynamic Talk Groups

The way to use the Gateway Dynamic Talk Groups is to program the radio with TG 9 on Time Slot 2.

**(Add 9 in contact as GROUP call. Make a Channel up for TG9. Add to Zone)*

This is the only Talk group you will need for a QSO on the Dynamic Talk Groups.

To link and unlink the Gateway Dynamic Talk Groups.

To Link

Do a Manual Dial -

Menu - Contact - Manual Dial - enter Talk group number **2350, 3100, 91** - transmit for 1 second.

Or

Menu – Talk Group - Manual Dial - enter Talk group number **2350, 3100, 91** - transmit for 1 second.

The repeater will respond with a voice announcement, "Linked to **2350**".

**Then go back to Talk Group 9 to make a QSO.*

or

Program the radio with the **Talk Groups as Group Call** in contacts.

To link to a Gateway Dynamic Talk Group.

Select the Talk Group number from the contacts list and transmit for about 1 second.

The repeater will respond with a voice announcement, "Lined to 235x".

**Then go back to Talk Group 9 to make a QSO.*

To Unlink

Select **4000 Private Call or Group Call** from the contacts list, transmit for about 1 second, The repeater will respond with a voice announcement, "Not Linked".

Get Status

To enquire about the Talk Group linked call **5000 Private Call or Group Call**, and the repeater will respond with the currently linked Talk Group.

Echo/Parrot

Call **9990 Private Call or Group Call**, and the **Echo/Parrot** will respond back to you only.

- You will want your **Hang Time** for Private Call set to around 3, 5, 7, seconds. This will drop the radio from Private Call back to Group Call for Channel TG9

Some Repeaters could offer this on Slot 1 or Both

How to Setup on Repeater or Hotspot

You will need Pi-Star V4 or Newer

Set your Pi-Star up for BrandMeister DMRGateway.

DMR Configuration	
Setting	Value
DMR Master:	DMRGateway
BrandMeister Master:	BM_United_Kingdom_2341

You then need to go to – Configuration – Expert – Full Edit: DMR GW

Backup your Pi-star before making any Changes!!

Then to -

[DMR Network 1]

Enabled=1

Address=51.68.220.36

Port=62031

TGRewrite0=2,9,2,9,1

PCRewrite0=2,94000,2,4000,1001

TypeRewrite0=2,9990,2,9990

SrcRewrite0=2,4000,2,9,1001

PassAllPC0=1

PassAllTG0=1

PassAllPC1=2

PassAllTG1=2

Password="passw0rd"

Debug=0

Id=YOUR ID NUMBER

Name=BM_United_Kingdom_2341

We need to change all this section to -

[DMR Network 1]

Enabled=1

Address=51.68.220.36

Port=62031

TypeRewrite=2,9990,2,9990

TGDynRewrite=2,91,4000,5000,9,999908,234999,9990

PassAllPC=2

PassAllPC0=1

PassAllTG1=1

Password="passw0rd" #Use your password if set in Selfcare

Debug=0

Id=YOUR ID NUMBER

Name=BM_United_Kingdom_2341

This will let you use TG 91 to 999999 via Gateway Dynamic Talk Groups on Slot 2

Normal Talk Groups via Slot 1 on Repeater or Duplex Hotspot.

You could have on both Slots 1 & 2. (Repeaters and Duplex Hotspots)

```
[DMR Network 1]
Enabled=1
Address=51.68.220.36
Port=62031
TypeRewrite0=1,9990,2,9990
TypeRewrite1=2,9990,2,9990
TGDynRewrite0=1,91,4000,5000,9,999908,234999,9990
TGDynRewrite1=2,91,4000,5000,9,999908,234999,9990
PassAllPC0=1
PassAllPC1=2
Password="passw0rd" #Use your password if set in Selfcare
Debug=0
Id=YOUR ID NUMBER
Name=BM_United_Kingdom_2341
```

This will let you use TG 91 to 999999 via Gateway Dynamic Talk Groups on Slot 1 & 2

Information

```
TGDynRewrite=2,91,4000,5000,9,999908,234999,9990
```

2 = Slot 2
91 = Start Talk Group in the range you wish to use
4000 = Include to get spoken confirmation back via TG 9
5000 = Include for information to be spoken back via TG 9
9 = Pass all Gateway Dynamic Talk Groups to TG 9
999908 = End Talk Group in the range you wish to use
91 + 999908 = 999999
234999 = Ignore so APRS will be passed
9990 = Ignore so Echo is passed back to sender only and not TG 9

So this takes us from TG 91 to 999999 via TG 9

All Talk Groups below 90 will not be passed to TG 9 and work as normal
7 Dig ID Private Calls will not be passed to TG 9

To include 7 Dig ID as Talk Groups we add a extra 9

```
TGDynRewrite=2,91,4000,5000,9,9999089,234999,9990
```

When using this you can no longer do Private Calls to other users.

This system is still being developed.

You can follow on this link <https://groups.io/g/OpenDV/search?ev=0&q=dynamic>

Notes

**If you change anything in -
Configuration
Expert**

You will have to go back to **Full Edit: DMR GW** and apply the above settings again.

When using **Configuration - DMRGateway**.
Only edit or make changes in **Full Edit: DMR GW**