

# DMR Handy Guide

Folkestone Repeater Group. Issue 2: 31/12/2021

# Regional

## Phoenix UK DMR Talkgroups

Slot 1	Slot 2
TG1 – Worldwide	TG9 – Local
TG2 – Europe	TG801 – South East
TG13 – Worldwide English	TG810 – South West
TG235 – UK Wide	TG820 – North West
TG9 – Local	TG830 – Midlands
TG80 – UK User Activated	TG840 – East of England
TG81 – UK User Activated	TG850 – Scotland
TG82 – UK User Activated	TG860 – North East
TG83 – UK User Activated	TG870 – Wales and Marches
TG84 – UK User Activated	TG880 – Northern Ireland
TG113 – Worldwide English User Activated	TG9990 – Echo Test
TG123 – Worldwide English User Activated	All slot 2 talkgroups apart from TG9 and TG801 are user activated on CK, and AS
TG119 – Worldwide User Activated	
TG129 – Worldwide User Activated	

## UK Wide

When using the TG235 UK wide talkgroup it is important to consider that at present this will open up approximately 50 repeaters across the UK, therefore care needs to be taken to ensure repeaters are not unnecessarily tied up. The procedure is to use the TG235 talkgroup to make contact and then move to a user activated group.

TG235 – UK Wide	Use to make initial contact
TG80 – UK User Activated	Switch to these talkgroups after making initial contact
TG81 – UK User Activated	
TG82 – UK User Activated	
TG83 – UK User Activated	
TG84 – UK User Activated	

This is to allow the UK wide calling channel and other slot 1 talkgroups to be used by other users.

### TG801 – South East

GB7AK	Barking
GB7AS	Ashford
GB7CK	Folkestone
GB7CL	Clacton
GB7EP	Epsom
GB7EX	Southend
GB7GF	Guildford
GB7HA	Halstead
GB7HR	Heathrow
GB7IK	Rochester
GB7LO	Bromley
GB7NS	Caterham
GB7SC	Bognor Regis
GB7SE	Thurrock
GB7SK	Leicester
GB7WL	Amersham

- Each repeater has a 'home' region that is always on. In the case of the Kent repeaters this is TG801. The other regional groups on slot 2 can be accessed by user activation.
- When transmitting on TG801 the call will be transmitted by all the repeaters in the above list.

To use a User Activated (UA) group, Press the PTT momentarily to activate it. After activating, use the group like any other channel.

(Talkgroup is deactivated after 10 minutes of inactivity on the repeater it is activated on.)

# TG9 Local

- TG9 Slot 2 is the primary talkgroup for local communications
- TG9 Slot 1 can be used as an alternative if Slot 2 is busy. There is no link between TG9 Slot 1 and TG9 Slot 2.
- GB7AS, and GB7CK are linked on TG9 Slot 2
- Using a Local group locks out other groups on the same slot for 5 minutes—prevents issues with other wider area groups taking the timeslot.

## Worldwide

- Very similar to using the UK wide talkgroups, the calling channels should be used to make contact before moving to a user activated group.
- Bear in mind that the calling channels open hundreds of repeaters.
- Note that unfortunately not all countries have the same user activated groups as the UK.

TG1 – Worldwide	Make Initial Contact
TG2 – Europe	
TG119 – Worldwide UA	Switch to one of these groups
TG129 – Worldwide UA	
TG13 – Worldwide English	Make Contact
TG113 – Worldwide English UA	Switch to one of these groups
TG123 – Worldwide English UA	

## Useful Links

- Phoenix Network (Live monitor and Repeater status information) - [www.OpenDMR.net](http://www.OpenDMR.net)
- DMR-UK (News and Information on repeaters, talkgroups and programming) – [www.DMR-UK.net](http://www.DMR-UK.net)

Folkestone Repeater Group

[www.folkestonerepeatergroup.org.uk](http://www.folkestonerepeatergroup.org.uk)

# Echo Test - TG9990

The Echo Test function is useful for testing radio audio levels and the range of repeaters.

Press the PTT, speak and wait for your audio to be played back to you

## DMR News

A lot of changes have happened during November 2021.

GB7CK has been moved, to a much better location giving much better coverage in the area. Stations can now access from the North Kent Coast, up in Thanet, Sandwich, Deal, Dover, Across the Romney Marsh, and all of the surrounding villages.

The Repeater remains a Motorola DR3000 Base station, with a procom antenna. The repeater is connected to the phoenix network via the 3 Mobile network.

Because of the better coverage of this repeater we have now shut down GB7CF which used to cover the bowl of Folkestone. GB7DX on the Romney Marsh has also shut down on DMR, but will be back on the air during 2022 as a DSTAR Repeater in New Romney.

If you couldn't access GB7CK Before, give it a go now, I am sure you will see the better performance.

## Codeplugs

- We have various codeplugs available for Hyteras, Anytone, TYT and Motorola Radios. Please post on the Facebook page, or email for help. Codeplugs have been updated during December 2021 as GB7CK now covers a larger area, and GB7DX and GB7CF are no longer on DMR. Please update your records.