

How do I?

An occasional series

This week: DMR adventures Central PA DMR Repeaters May 2021

Steve N3FWE has prepared a list of DMR repeaters in Central PA. Some of these repeaters can be reached using a hand held transceiver -- "HT". Others require a better antenna such as a mobile or base station antenna and some will require a "hot spot" to make contact via the internet. We plan to post more articles on these concepts as the adventure continues.

Here is Steve's most recent list. Please note: The DMR world is constantly in flux. As changes occur we intend to update the list, so please check back from time-to-time for updates. Or as Steve says:

My codeplug is from scratch. I looked at others and did my code plug. I figured it was the best way to learn how to make one. I need to add a couple new repeaters to my code plug. Seems like it's always work in progress.

We realize terms like talk groups, code plugs, color codes, and the like are "jargon". We intend to publish a glossary. Many of these unfamiliar terms are discussed in other parts of the series. Please see

<https://www.radioclub-carc.com/wp-content/uploads/2020/08/How-Do-I-DMR-Radio.pdf>

DMR seems to be gaining acceptance in the emergency management community.

Because DMR offers the ability to have two separate conversations taking place in the same bandwidth as one analog conversation, as well as the ability to send data and voice simultaneously, DMR has some clear advantages.

And I suspect that because DMR is, in many ways like NXDN, it may be easier to move traffic from an open, non-encrypted volunteer community using DMR to the "official", possibly encrypted, NXDN networks run by PEMA and others.

Catch 'ya on the air!

DMR REPEATERS:

Most Recent Update: May 23, 2021

1. Shrewsbury	449.725 CC1 K3AE	
2. York	447.275 CC1 W3HZU	changed to Brandmeister
3. Reeser's Summit VHF	146.79 CC1 KB3TWW	
4. Reeser's Summit UHF	444.05625 CC1 N2JEH	
5. Cornwall Mtn	147.105 CC1 KA0JQO	
6. Blue Mtn Harrisburg	147.375 CC1 W3ND	
7. Wag Gap (Landisburg)	146.685 CC1 N3TWT	
8. Chambersburg	146.4150 CC1 KA3LAO	
9. Chambersburg	441.9000 CC1 WR3IRS	
10. Fairfield	146.475 CC1 KA3LAO	
11. Pottsville	444.39375 CC1 N3AS	
12. Ephrata	443.6 CC1 K3TUF	
13. Hallam	441.150 CC1 WN3A	
14. Pigeon Hills	445.23125 CC1 KB3VVB/KB3TWW	
15. Joliett	444.40625 CC1 W3SC	
16. Carlisle (EOC)	444.04375 CC2 N3TWT	delayed, COVID
17. Lancaster City (grant?)		
18. Lewisburg	Under construction	440.16875
19. Newport	Under Construction	Freq TBD
20. Summerdale Cumb Co	Ceased Operation	442.450 W3BXW
21. Gatchellville York Co	TGIF	447.7250 N3CNJ
22. Cornwall Lancaster Co	Brandmeister	449.0250 W3AD
23. Holtwood Lancaster Co	TGIF	448.775 KX3B
24. Manheim Lancaster Co	TGIF	449.975 K3IR
25. Honeybrook Chester Co	Brandmeister	449.275 N3TJJ
26. Jennersville Chester Co	Brandmeister ?	447.875 K3ZED

Most of these repeaters are DMR only, no analog mode.

The USER can select the "talk group".

If "local 2" is selected , then the first fourteen repeaters that are operational are tied together.

Go in one and out thirteen.

If "local 9" is selected , the output is only from the accessed DMR repeater.

If "Pa State" is selected , the output is from every DMR repeater in Pa. .

If "TAC XX" is selected , then two DMR repeaters can have a private QSO.

TALK GROUPS:

Most Recent Update: May 23, 2021

1. SCTF LOCAL "2" time slot 2 Full time
2. SCPA CHAT (311584) time slot 2 Full time TG
changed Brandmeister & DMR-Marc
3. PA STATE (3142) time slot 1 Full time connected to Brandmeister
4. LOCAL 9 (time slot 1) Full time
5. LOCAL 9 (time slot 2) Full time
6. PENN-MAR LOCAL 8 (8) time slot 2 Full time
7. WPA LOCAL 2 (31422) time slot 2 PTT connected to Brandmeister
8. Northern PA LOCAL 2 (3190) time slot 2 PTT connected to Brandmeister
9. NE PA LOCAL 2 (31424) time slot 2 connected to Brandmeister
10. NE Regional (3172) time slot 1 Full time
11. EPA (31426) time slot 2 Full Time connected to Brandmeister
12. Interstate TAC 2 (8805) time slot 2 PTT
13. PEMA 2 (31420) time slot 2 PTT
14. JOTA 2 (907) PTT connected to Brandmeister
15. Parrot 2 (9998) PTT
16. PA TAC 1 (31421) time slot 1 PTT connected to Brandmeister
17. TAC 310 2 (310) connected to Brandmeister
18. TAC 311 2 (311) connected to Brandmeister
19. TAC 312 2 (312) connected to Brandmeister
20. TAC 313 2 (313)
21. TAC 314 2 (314)
22. TAC 315 2 (315)
23. TAC 316 2 (316)
24. TAC 317 2 (317)
25. TAC 318 2 (318)
26. TAC 319 2 (319)
27. MCT TS1 off (4001)
28. MCT TS2 off (4002)
29. MCT TS1 on (5001)

A note from Steve, N3FWE

A hot spot is not needed at my QTH but I do use one to access Brandmeister Cross modes EPA net and Brandmeister talkgroups. If you plan on accessing Brandmeister talkgroups you will need an account there.

<https://brandmeister.network/>

I'm able to access 5 or 6 local DMR repeaters. There is local traffic on the repeaters that don't require a hotspot. I check into the Sunday night local DMR net without a hotspot. There are a few nets on DMR. There is a PA Statewide talk group that is carried on all local repeaters.