

DMR for beginners

Digital Mobile Radio

developed by the European Telecommunications
Standards Institute (ETSI).

Why DMR?

- Digital Voice: DMR digitizes voice signals, which helps in reducing background noise and improving audio quality, even over long distances.
- Data and Other Services: Besides voice, DMR supports additional features such as text messaging, GPS tracking, and encryption.
- Spectrum Efficiency: It uses Time Division Multiple Access (TDMA) to provide two separate logical channels within a single 12.5 kHz analog channel space, effectively doubling its capacity.
- Superior Weak Signal Performance

Control Center CT-ARES

Accept text Reject text

start time	duration	source peer alias	source radio alias	dest. bridge group	RSSI (dBm)	site name	loss rate

start time	duration	source peer alias	source radio alias	dest. bridge group	RSSI (dBm)	site name	loss rate
14:05:29.0 Jan 3	2.5	WR3IRS - Montclair New Jersey United States -- 314038	KC2WCM - Dan G - Belleville New Jersey United States -- 3159644	North America	-108.3	DMR-MARC-CCEAST	0.0%
14:00:49.6 Jan 3	2.0	KD5DFB - Houston Texas United States -- 314834	WP4VW - Milton - Corozal All Regions Puerto Rico -- 3300458	North America	-101.7	DMR-MARC-CCEAST	0.0%
13:42:25.8 Jan 3	1.9	WR3IRS - Montclair New Jersey United States -- 314038	KC2WCM - Dan G - Belleville New Jersey United States -- 3159644	North America	-116.3	DMR-MARC-CCEAST	0.0%
13:09:51.0 Jan 3	2.3	WR3IRS - Montclair New Jersey United States -- 314038	KC2WCM - Dan G - Belleville New Jersey United States -- 3159644	North America	-106.4	DMR-MARC-CCEAST	0.0%
13:07:48.7 Jan 3	9.4	KA3LAO - Chambersburg VHF Pennsylvania United States -- 314261	K3GLH - Gregory - St Thomas Pennsylvania United States -- 3164788	North America	-106.8	DMR-MARC-CCEAST	0.0%
12:57:32.1 Jan 3	1.0	45474	WA2ZPX - Rich - Slate Hill New York United States -- 3136313	Northeast Region	N/A	DMR-MARC-CCEAST	0.0%
12:06:16.4 Jan 3	1.6	N5LS - Denton Texas United States -- 314816	3162739	Worldwide English	-127.0	DMR-MARC-CCEAST	0.0%
11:17:02.4 Jan 3	1.4	W1HDN - Vernon 310918	3213694_	Unknown Ipsc group 1	-87.6	CT-ARES	0.0%
10:26:12.7 Jan 3	13.3	N2BJ - Lockport Illinois United States -- 311737	KD9YLO - James - Chicago Heights Illinois United States -- 3201412	Worldwide English	-108.3	DMR-MARC-CCEAST	10.3%
10:26:00.1 Jan 3	2.1	N2BJ - Lockport Illinois United States -- 311737	KD9YLO - James - Chicago Heights Illinois United States -- 3201412	Worldwide English	-110.5	DMR-MARC-CCEAST	7.5%
10:17:25.3 Jan 3	1.4	WA4TOG - Hendersonville North Carolina United States -- 313751	W0JSH - John S - Platte City Missouri United States -- 3129405	Worldwide English	-108.6	DMR-MARC-CCEAST	14.3%
10:17:23.2 Jan 3	1.7	WA4TOG - Hendersonville North Carolina United States -- 313751	W0JSH - John S - Platte City Missouri United States -- 3129405	Worldwide English	-109.8	DMR-MARC-CCEAST	5.3%
10:14:53.2 Jan 3	1.4	WA4TOG - Hendersonville North Carolina United States -- 313751	W0JSH - John S - Platte City Missouri United States -- 3129405	Worldwide English	-105.1	DMR-MARC-CCEAST	0.0%
10:14:49.7 Jan 3	1.9	WA4TOG - Hendersonville North Carolina United States -- 313751	W0JSH - John S - Platte City Missouri United States -- 3129405	Worldwide English	-105.6	DMR-MARC-CCEAST	0.0%
09:40:36.5 Jan 3	2.0	KM4WUD - Paramus New Jersey United States -- 313423	KD2TFJ - Christian D - Irvington New Jersey United States -- 3159874	Worldwide English	-106.1	DMR-MARC-CCEAST	0.0%
08:30:34.6 Jan 3	0.9	45474	WA2ZPX - Rich - Slate Hill New York United States -- 3136313	Northeast Region	N/A	DMR-MARC-CCEAST	0.0%
08:03:03.6 Jan 3	1.1	K1DQ - Shapleigh Maine United States -- 312300	AB1TZ - Michael - Westbrook Maine United States -- 3123005	Northeast Region	-116.7	DMR-MARC-CCEAST	0.0%
07:11:30.6 Jan 3	2.5	BM3102 - AFG -- 393102	KC1KKC - Andrew M - Norwalk Connecticut United States -- 3120499	BM-CT-Statewide	0.000	BM-US-3102	0.0%
07:04:34.3 Jan 3	5.0	KB1NTA - Union 310940	N1ZF - Paul - Willington Connecticut United States -- 3178388	CT-Local-Union	-89.4	CT-ARES	0.0%
07:01:16.3 Jan 3	4.7	KB1NTA - Union 310940	3220496_	CT-Local-Union	-87.7	CT-ARES	0.0%
06:35:43.4 Jan 3	0.5	BM3102 - AFG -- 393102	KC1KKC - Andrew M - Norwalk Connecticut United States -- 3120499	BM-CT-Statewide	0.000	BM-US-3102	0.0%
00:00:36.2 Jan 3	2.0	ZL2GK - Tasman South Island New Zealand -- 530303	ZL2GK - Motueka - Motueka South Island New Zealand -- 5303033	Worldwide English	-116.5	DMR-MARC-CCEAST	0.0%
23:51:12.2 Jan 2	5.9	AG2K - Bridgeport Connecticut United States -- 310904	KC1OGG - Samuel - Hamden Connecticut United States -- 3176905	Northeast Region	-110.3	DMR-MARC-CCEAST	0.0%
22:55:41.2 Jan 2	2.3	N5LS - Denton Texas United States -- 314816	3217949	North America	-127.0	DMR-MARC-CCEAST	0.0%
20:56:39.8 Jan 2	9.1	VE7RAG - North Vancouver British Columbia Canada -- 302701	VE7WHL - Wulfred - Maple Ridge British Columbia Canada -- 3025691	Worldwide English	-88.7	DMR-MARC-CCEAST	0.0%
20:38:07.1 Jan 2	1.1	45474	WA2ZPX - Rich - Slate Hill New York United States -- 3136313	Northeast Region	N/A	DMR-MARC-CCEAST	0.0%
20:06:20.9 Jan 2	3.8	BM3102 - AFG -- 393102	KC1KKC - Andrew M - Norwalk Connecticut United States -- 3120499	BM-CT-Statewide	0.000	BM-US-3102	0.0%

CT ARES Control Center

CT ARES Control Panel

NEDECN Netwatch

DMR Tiers

- Tiers: The standard is defined in three tiers for different applications:
 - Tier I: For license-free, short-range communications.
 - Tier II: For licensed professional systems used in commercial, industrial, and public safety operations.
 - Tier III: For trunked systems that manage large-scale networks with advanced call routing

Other Digital Voice Modes?

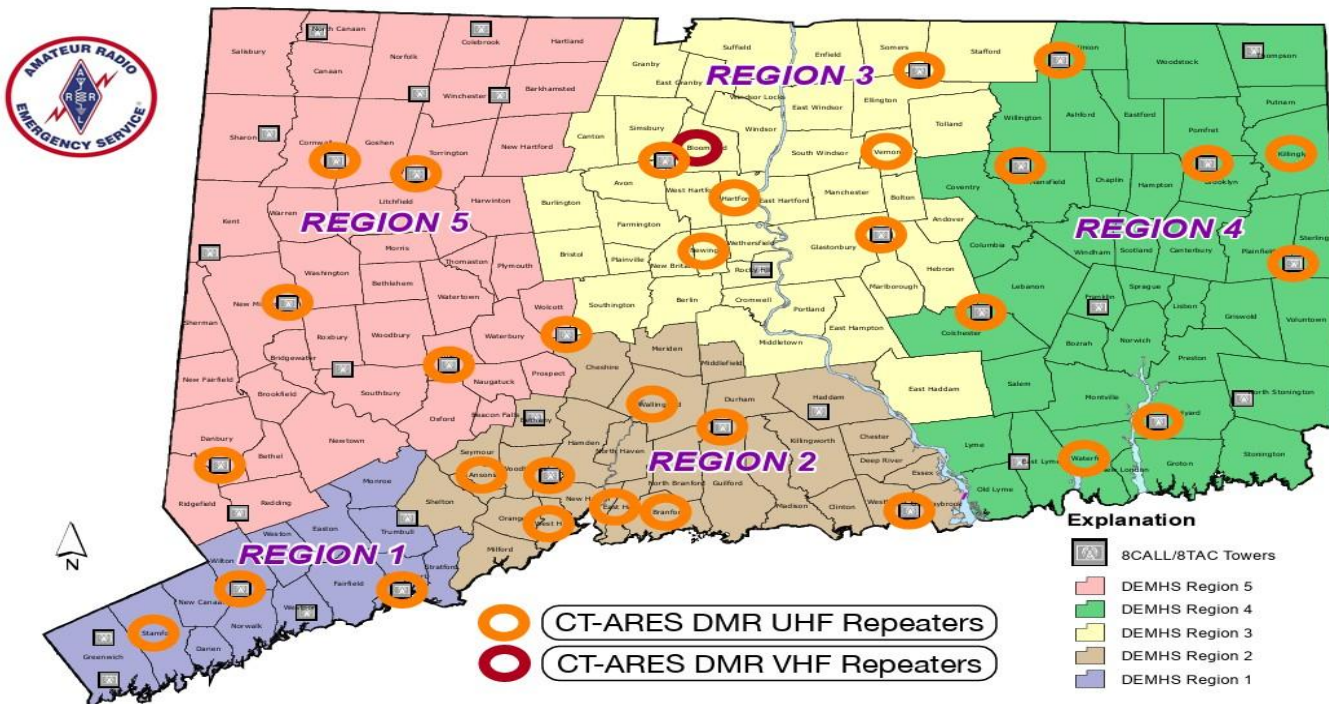
- DMR Motorola, Anytone, Alinco (talkgroups)
- C4FM/Wires X Yaesu (Rooms)
- D-Star ICOM/Kenwood (Reflectors)
- P25
- NXDN ICOM/Kenwood

DMR Networks

- **DMR-MARC** (Motorola Amateur Radio Club)
 - In CT NEDECN and ARES
- **Brandmeister**
 - Torrington, Avon, Vernon- bridge 3109-->8901 CTSW
- **TGIF** Thank God it's Friday

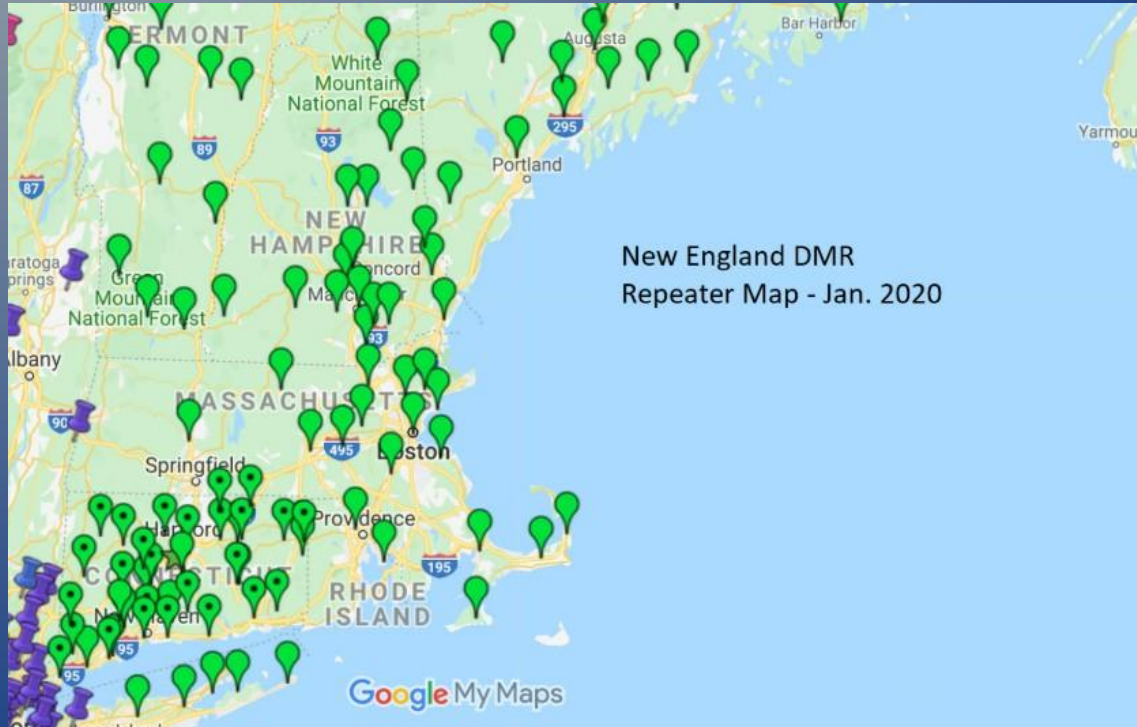
ARES Repeaters

CT-ARES DMR Repeater Network - 12 July 2017



NEDECN Repeaters

New England Digital Emergency Communications Network



DMR ID

Goto www.radioid.net

You will need an original copy of you FCC license

In PDF or jpeg

Takes about 24hr-48hr

Write you Channels

Channel Information Edit---606

Channel Name: W1EE CTSW

Receive Frequency: 447.12500
Transmit Frequency: 442.12500
Correct Frequency[Hz]: 0

Channel Type: D-Digital
Transmit Power: Turbo
Band Width: 12.5K
TX Permit: Different Color Code
Scan List: None

Exclude channel from roaming: off
DMR MODE: Repeater
Analog APRS Report Freq: 1

Analog

CTCSS/DCS Decode: Off
CTCSS/DCS Encode: Off
Squelch Mode: Carrier
Optional Signal: Off
DTMF ID:
2Tone ID: 1
5Tone ID: 1
PTT ID: Off

☐ PTT Prohibit ☐ Talk Around(Simplex) ☐ APRS RX
☐ Work Alone ☐ DataACK Disable ☐ Auto Scan

Digital

Contact: CT-Statewide8901
Radio ID: K1PCN
RX Color Code: 1
TX Color Code: 1
Slot: Slot2
Receive Group List: CT ARES TG
Digital Encryption: Off
Extend Encryption: AES
ARC4 Encryption Code: Off
AES Digital Encryption: Off
Multiple Key: Off
Random Key: Off
SMS Forbid: Off

☐ Send Talker Alias ☐ Call Confirmation ☐ Ranging
☐ Slot Suit ☐ SMS Confirmation

☐ Reverse
2TONE Decode: 1
Custom CTCSS
R5ToneBot: 1
R5ToneEot: 1

OK Cancel Previous Next

DMR Terminology

CPS = Code Plug Software

Codeplug = file that you upload to your radio

Talkgroups = a virtual channel that organizes groups of radios in a Digital Mobile Radio network, allowing them to communicate with specific parties at the same time. By assigning a unique ID to a talkgroup, transmissions are directed to a specific group of users rather than broadcasting to everyone on a frequency. This allows for more efficient use of channels and the creation of both local and global communication groups.

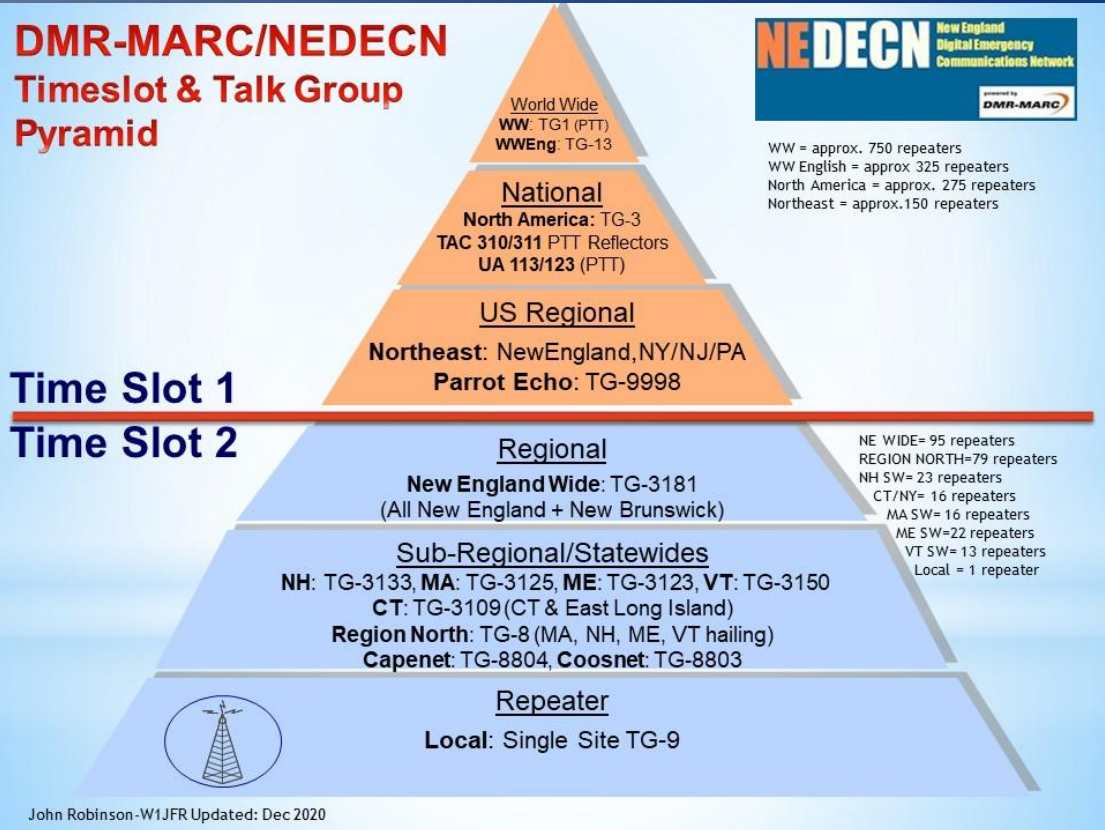
ARES Talkgroups

CT-ARES DMR Network Talkgroup Information				
Time Slot 2			Time Slot 1	
8900	ALERT Message		8907	ALERT Message B
8901	CT-Statewide		8908	CT-Statewide B
8902	CT-TAC 1 (PTT)		8909	CT-TAC 11 (PTT)
8903	CT-TAC 2 (PTT)		8910	CT-TAC 12 (PTT)
8904	CT-TAC 3 (PTT)		8911	CT-TAC 13 (PTT)
8905	CT-TAC 4 (PTT)		8912	CT-TAC 14 (PTT)
8906	CT-TAC 5 (PTT)		8913	CT-TAC 15 (PTT)
9	Local		8914	NJ-TRBO (PTT)
			9	Local B
			99	Digital Simplex

Other Network Talkgroups Outside CT-ARES DMR Network				
Time Slot 2			Time Slot 1	
3172	Northeast Region		1	Worldwide (PTT)
9998	Parrot (PTT)		3	North America
			13	Worldwide English
			9999	VU Meter Audio Test (PTT)
			9998	Parrot (PTT)
			310	TAC 310 (PTT)
			311	TAC 311 (PTT)
			3100	Conference Bridge (PTT)

NEDECN Talkgroups

Pyramid

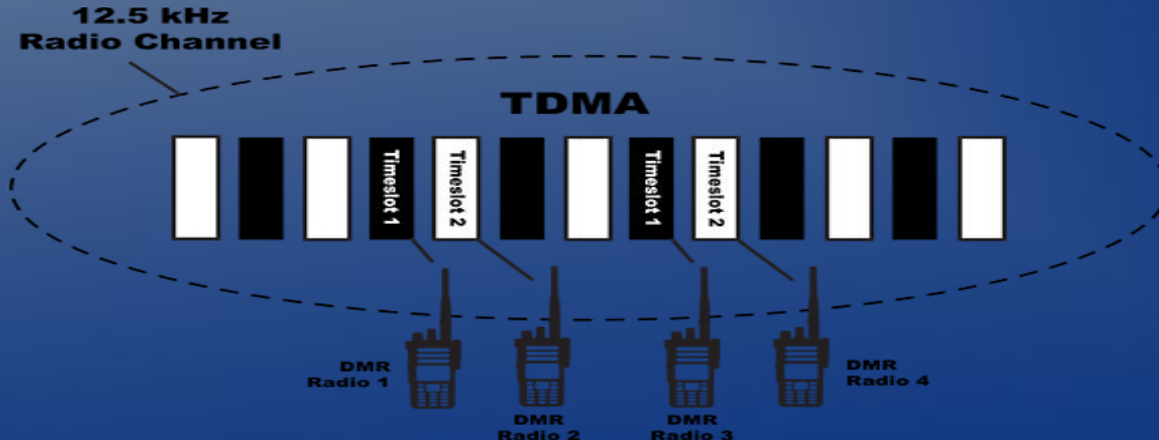


Time Division Multiple Access/Time Slot

Color Code = Digital PL tone

Bandwidth = all DMR transmissions are 12.5kHz

Time slot = either 1 or 2 each 30 msec



Talk Permission = Tx Permit

Always = Always tx

Channel Free = good for simplex

Color Code Free = **Different color code** – best for repeaters

No need to drop when checking into a net

ARES Call Watch

6 steps to writing a codeplug

- 1/ Download and save your current radio codeplug-firmware incompatibilities
- 2/ Create a talkgroup list
- 3/ write your channels
- 4/ put the channels into a Zone
- 5/ Download your digital contact list
(www.radioid.net)
- 6/ Upload your codeplug to your radio

Contact/Talkgroup list

Local Information	No.	TG/DMR ID	Call Alert	Name	Call Type
Hot Key	83	3173	None	Mid Atlantic USA	Group Call
APRS	84	3174	None	SE USA 3174	Group Call
GPS Roaming	85	3177	None	MTN USA 3177	Group Call
Digital	86	3181	None	NewEngWide 3181	Group Call
Master Id	87	3185	None	Cactus 3185	Group Call
Radio ID List	88	3189	None	Tn State 3189	Group Call
Contact/Talk Group	89	5351	None	Guam 5351	Group Call
Prefabricated SMS	90	7309	None	Antarctica 7309	Group Call
Receive Group Call List	91	9999	None	Audio Test 9999	Group Call
Encryption Code	92	99	None	Simplex 99	Group Call
AES Encryption Code	93	310	None	TAC 310	Group Call
ARC4 Encryption Code	94	8907	None	Alert Message B	Group Call
Digital Contact List	95	8908	None	CT StateW B 8908	Group Call
1---20000	96	8909	None	CT-TAC 11 8909	Group Call
20001---40000	97	8910	None	CT-TAC 12 8910	Group Call
40001---60000	98	8911	None	CT-TAC 13 8911	Group Call
60001---80000	99	8912	None	CT-TAC 14 8912	Group Call
80001---100000	100	8913	None	CT-TAC 15 8913	Group Call
100001---120000	101	9998	None	Parrot 9998	Group Call
120001---140000	102	8900	None	AlertMessage8900	Group Call
140001---160000	103	8901	None	CT-Statewide8901	Group Call
160001---180000	104	8902	None	CT-TAC 1 8902	Group Call
180001---200000	105	8903	None	CT-TAC 2 8903	Group Call
200001---220000	106	8904	None	CT-TAC 3 8904	Group Call
220001---240000	107	8905	None	CT-TAC 4 8905	Group Call
240001---260000	108	8906	None	CT-TAC 5 8906	Group Call
260001---280000	109	119	None	WW All 119	Group Call
280001---300000	110	759	None	SKYWARN 759	Group Call
300001---320000	111	8801	None	NE-TAC 1 8801	Group Call
320001---340000	112	8802	None	NE-TAC 2 8802	Group Call
340001---360000	113	8914	None	NJ-TRBO	Group Call
360001---380000	114	123	None	WWUser Act 2 123	Group Call
380001---400000	115	2407	None	Skane 2407	Group Call
400001---420000	116	4000	None	Disconnect 4000	Group Call
420001---440000	117	313323	None	GMARS	Group Call
440001---460000	118	313324	None	GMARS 2	Group Call
460001---480000	119	137	None	WW Nordic 137	Group Call
480001---500000	120	5051	None	AustraliaCap5051	Group Call
Friends List	121	5052	None	AustraliaNSW5052	Group Call
Talk Alias Settings	122	5053	None	AustraliaVic5053	Group Call
Analog	123	5054	None	AustraliaQue5054	Group Call

Talk Group Edit---103

Name:

Call Type:

TG/DMR ID:

Call Alert:

OK Cancel Previous Next

Write you Channels

Channel Information Edit---606

Channel Name 4u W1EE.CT5W

Receive Frequency 447.12500
Transmit Frequency 442.12500
Correct Frequency[Hz] 0

Channel Type D-Digital
Transmit Power Turbo
Band Width 12.5K
TX Permit Different Color Code
Scan List None

Exclude channel from roaming off
DMR MODE Repeater
Analog APRS Report Freq 1

☐ PTT Prohibit ☐ Talk Around(Simplex) ☐ APRS RX
☐ Work Alone ☐ DataACK Disable ☐ Auto Scan

Digital

Contact CT-Statewide8901
Radio ID K1PCN
RX Color Code 1
TX Color Code 1
Slot Slot2
Receive Group List CT ARES TG
Digital Encryption Off
Extend Encryption AES
ARC4 Encryption Code Off
AES Digital Encryption Off
Multiple Key Off
Random Key Off
SMS Forbid Off

☐ Send Talker Alias ☐ Call Confirmation ☐ Ranging
☐ Slot Suit ☐ SMS Confirmation

Analog

CTCSS/DCS Decode Off
CTCSS/DCS Encode Off
Squelch Mode Carrier
Optional Signal Off
DTMF ID Off
ZTone ID 1
5Tone ID 1
PTT ID Off

☐ Reverse
ZTONE Decode 1
Custom CTCSS
R5toneBot 1
R5ToneEot 1

OK Cancel Previous Next

Write Your Channel

594	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.WW1	WorldWide 1	K1PCN
595	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.WWE13	WW English 13	K1PCN
596	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.NA3	North America 3	K1PCN
597	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.Local B	Local 9	K1PCN
598	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.TAC-310	TAC 310	K1PCN
599	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.TAC-311	TAC 311	K1PCN
600	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.CTTAC11	CT-TAC 11 8909	K1PCN
601	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.CTTAC12	CT-TAC 12 8910	K1PCN
602	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.CTTAC13	CT-TAC 13 8911	K1PCN
603	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.CTTAC14	CT-TAC 14 8912	K1PCN
604	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.CTTAC15	CT-TAC 15 8913	K1PCN
605	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.NEUSA	NE USA 3172	K1PCN
606	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.CTSW	CT-Statewide8901	K1PCN
607	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.CTSW-B	CT StateW B 8908	K1PCN
608	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.Local A	Local 9	K1PCN
609	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.CT-TAC1	CT-TAC 1 8902	K1PCN
610	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.CT-TAC2	CT-TAC 2 8903	K1PCN
611	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.CT-TAC3	CT-TAC 3 8904	K1PCN
612	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.CT-TAC4	CT-TAC 4 8905	K1PCN
613	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.CT-TAC5	CT-TAC 5 8906	K1PCN
614	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.ALERT	AlertMessage8900	K1PCN
615	447.12500	442.12500	D-Digital	Turbo	12.5K	Off	Off	d.u.W1EE.Parot	Parrot 9998	K1PCN

Add the Channels to a ZONE

Zone Edit---11

Zone Name:

☐ Zone Hide

A Channel:

B Channel:

Available Channel

1	a.v.2M NatCall
2	a.u.70cm NatCall
3	S146.400
4	S146.415
5	S146.430
6	S146.445
7	S146.460
8	S146.475
9	S146.490
10	S146.505
11	S146.535
12	S146.550
13	S146.565
14	S146.580
15	S146.595
16	S147.405
17	S147.420
18	S147.435
19	S147.450
23	N1ZUFairfieldARC
24	N1LXV Fairfield
25	N1KGN RantHorn

>>

<<

Zone Channel Member

594	d.u.W1EE.WW1
595	d.u.W1EE.WWE13
596	d.u.W1EE.NA3
597	d.u.W1EE.Local B
598	d.u.W1EE.TAC-310
599	d.u.W1EE.TAC-311
600	d.u.W1EE.CTTAC11
601	d.u.W1EE.CTTAC12
602	d.u.W1EE.CTTAC13
603	d.u.W1EE.CTTAC14
604	d.u.W1EE.CTTAC15
605	d.u.W1EE.NEUSA
606	d.u.W1EE.CTSW
607	d.u.W1EE.CTSW-B
608	d.u.W1EE.Local A
609	d.u.W1EE.CT-TAC1
610	d.u.W1EE.CT-TAC2
611	d.u.W1EE.CT-TAC3
612	d.u.W1EE.CT-TAC4
613	d.u.W1EE.CT-TAC5

Order By

Order By

OK Cancel Previous Next

Digital Contact List

[Database](#) ▾[Contacts](#) ▾[FAQ](#)[Support](#)

Today:

- 0 New DMR ID's
- 0 New NXDN ID's
- 0 New Repeater ID's

Last 7 days:

- 574 New DMR ID's
- 49 New NXDN ID's
- 6 New Repeater ID's

Last 30 days:

- 2119 New DMR ID's
- 170 New NXDN ID's
- 42 New Repeater ID's

In total:

- We have a global network of 295827 DMR ID's
- We have issued 13235 NXDN ID's
- There are 10567 repeaters worldwide

The banner features a microphone icon on the left with the text 'This is 3029003'. In the center is a globe with orange and green dots. To the right of the globe is the text '3029003???' and a small radio icon with 'mmm' below it. The text 'We can help with that...' is written in a cursive font. At the bottom, a blue box contains the text 'DMR CONTACT GENERATOR ONLY AT HTTPS://WWW.RADIOID.NET'.

Contact Generator!

- Live up-to-date data, We are the Worldwide Source, everywhere else is STALE data.
- Generate as many personalized lists as you like and associate them with different radio formats.
- Include the latest Brandmeister TG's in your generated lists.
- No radio Format! No Problem! We have a custom formatter so you can generate any kind of format you like!
- As the Database size grows, it will be more important than ever to be able to trim your contact lists.
- Use BM last heard Data to filter your list! **NEW**

Just click on the "Contacts" menu link.

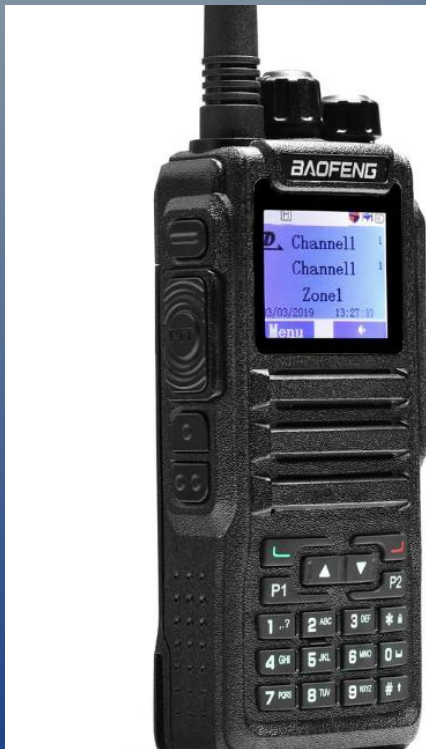
Control Center CT-ARES

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10:26:12.7 Jan 3	13.3	N2BJ - Lockport Illinois United States -- 311737	KD9YLO - James - Chicago Heights Illinois United States -- 3201412	Worldwide English	-108.3	DMR-MARC-CCEAST	10.3%
10:26:00.1 Jan 3	2.1	N2BJ - Lockport Illinois United States -- 311737	KD9YLO - James - Chicago Heights Illinois United States -- 3201412	Worldwide English	-110.5	DMR-MARC-CCEAST	7.5%
10:17:25.3 Jan 3	1.4	WA4TOG - Hendersonville North Carolina United States -- 313751	W0JSH - John S - Platte City Missouri United States -- 3129405	Worldwide English	-108.6	DMR-MARC-CCEAST	14.3%
10:17:23.2 Jan 3	1.7	WA4TOG - Hendersonville North Carolina United States -- 313751	W0JSH - John S - Platte City Missouri United States -- 3129405	Worldwide English	-109.8	DMR-MARC-CCEAST	5.3%
10:14:53.2 Jan 3	1.4	WA4TOG - Hendersonville North Carolina United States -- 313751	W0JSH - John S - Platte City Missouri United States -- 3129405	Worldwide English	-105.1	DMR-MARC-CCEAST	0.0%
10:14:49.7 Jan 3	1.9	WA4TOG - Hendersonville North Carolina United States -- 313751	W0JSH - John S - Platte City Missouri United States -- 3129405	Worldwide English	-105.6	DMR-MARC-CCEAST	0.0%
09:40:36.5 Jan 3	2.0	KM4WUD - Paramus New Jersey United States -- 313423	KD2TFJ - Christian D - Irvington New Jersey United States -- 3159874	Worldwide English	-106.1	DMR-MARC-CCEAST	0.0%
08:30:34.6 Jan 3	0.9	45474	WA2ZPX - Rich - Slate Hill New York United States -- 3136313	Northeast Region	N/A	DMR-MARC-CCEAST	0.0%
08:03:03.6 Jan 3	1.1	K1DQ - Shapleigh Maine United States -- 312300	AB1TZ - Michael - Westbrook Maine United States -- 3123005	Northeast Region	-116.7	DMR-MARC-CCEAST	0.0%
07:11:30.6 Jan 3	2.5	BM3102 - AFG -- 393102	KC1KKC - Andrew M - Norwalk Connecticut United States -- 3120499	BM-CT-Statewide	0.000	BM-US-3102	0.0%
07:04:34.3 Jan 3	5.0	KB1NTA - Union 310940	N1ZF - Paul - Willington Connecticut United States -- 3178388	CT-Local-Union	-89.4	CT-ARES	0.0%
07:01:16.3 Jan 3	4.7	KB1NTA - Union 310940	3220496_	CT-Local-Union	-87.7	CT-ARES	0.0%
06:35:43.4 Jan 3	0.5	BM3102 - AFG -- 393102	KC1KKC - Andrew M - Norwalk Connecticut United States -- 3120499	BM-CT-Statewide	0.000	BM-US-3102	0.0%
00:00:36.2 Jan 3	2.0	ZL2GK - Tasman South Island New Zealand -- 530303	ZL2GK - Motueka - Motueka South Island New Zealand -- 5303033	Worldwide English	-116.5	DMR-MARC-CCEAST	0.0%
23:51:12.2 Jan 2	5.9	AG2K - Bridgeport Connecticut United States -- 310904	KC1OGG - Samuel - Hamden Connecticut United States -- 3176905	Northeast Region	-110.3	DMR-MARC-CCEAST	0.0%
22:55:41.2 Jan 2	2.3	N5LS - Denton Texas United States -- 314816	3217949	North America	-127.0	DMR-MARC-CCEAST	0.0%
20:56:39.8 Jan 2	9.1	VE7RAG - North Vancouver British Columbia Canada -- 302701	VE7WHL - Wulfred - Maple Ridge British Columbia Canada -- 3025691	Worldwide English	-88.7	DMR-MARC-CCEAST	0.0%
20:38:07.1 Jan 2	1.1	45474	WA2ZPX - Rich - Slate Hill New York United States -- 3136313	Northeast Region	N/A	DMR-MARC-CCEAST	0.0%
20:06:20.9 Jan 2	3.8	BM3102 - AFG -- 393102	KC1KKC - Andrew M - Norwalk Connecticut United States -- 3120499	BM-CT-Statewide	0.000	BM-US-3102	0.0%

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1st Sunday: 80m HF net 3.965 Mhz

Other Sundays KB1AEV network

CT ARES StateWide DMR Net- Sundays 8:30pm

CT Statewide TG8901 hotspot-Brandmeister 3109

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CT ARES Region 1 Analog net

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