
















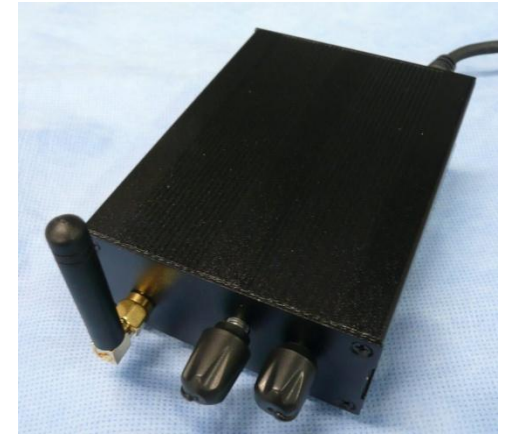
Networks

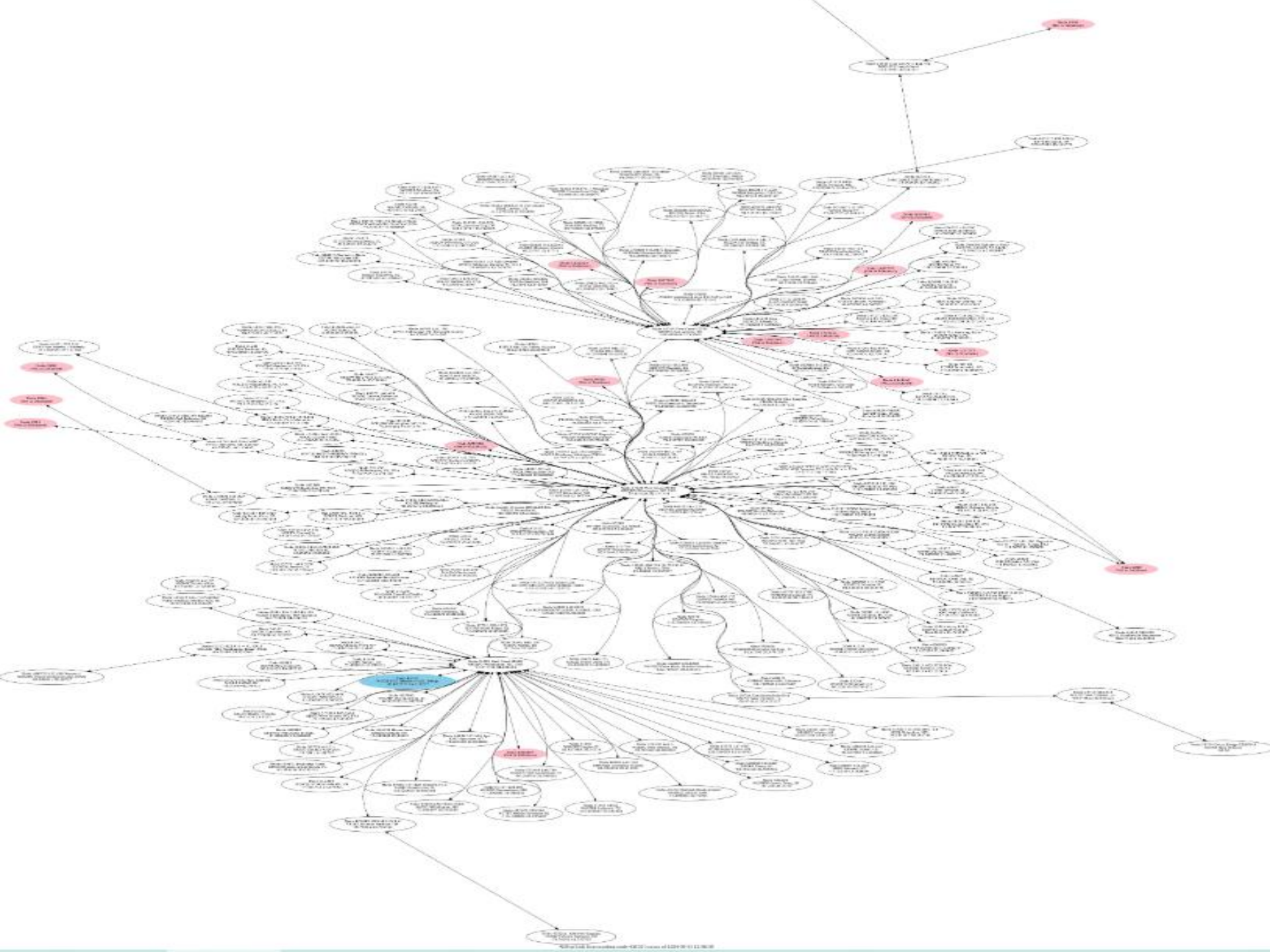
VOIP Networks

 Dialpad <input type="checkbox"/>	 Nextiva <input type="checkbox"/>	 RingCentral <input type="checkbox"/>
 Ooma Office <input type="checkbox"/>	 Google Voice <input type="checkbox"/>	 Aircall <input type="checkbox"/>
 Intermedia Unite <input type="checkbox"/>	 Vonage <input type="checkbox"/>	 GoTo Connect <input type="checkbox"/>
 Line2 <input type="checkbox"/>	 VoIP <input type="checkbox"/>	 Zoom Phone <input type="checkbox"/>
 Microsoft Teams <input type="checkbox"/>	 OpenPhone <input type="checkbox"/>	 Grasshopper <input type="checkbox"/>

Echolink	Allstar	DroidStar
Smart Phones	SHARI	Smart Phones
Tablets	Yellow Box	Tablets
	BRIAN	
	PAUL	
	DINAH	
	iPHONE "RepeaterPhone"	

VOIP Networks





Digital Modes & Networks

DStar	Fusion	DMR	M17	FreeDV
Icom / Kenwood	Yaesu	Motorola	OPEN SOURCE AMATEUR DIGITAL VOICE	OPEN SOURCE AMATEUR DIGITAL VOICE
REF Reflectors	WiresX	Brandmeister	VHF / UHF	HF
XLX Multiprotocol Gateway Reflector	YSF Reflectors	DMR+	Digital Voice mode that uses the free and open Codec 2 voice encoder	FreeDV is a Digital Voice mode for HF radio
		TGIF		
		FreeDMR		
		SystemX		

Digital Networks



PI-STAR

Pi-Star Digital Voice Software

Home

- + Information
- + Pi-Star Tools
- + Multi Reflector
- + D-Star Mode
- + DMR Mode
- + YSF Mode
- + P25 Mode
- + NXDN Mode
- + Downloads

Home

Pi-Star is a software image built initially for the Raspberry Pi (produced by the Raspberry Pi Foundation). The design concept is simple, provide the complex services and configuration for Digital Voice on Amateur radio in a way that makes it easily accessible to anyone just starting out, but make it configurable enough to be interesting for those of us who cant help but tinker.

Pi-Star would not be here today, were it not for the software made by Jonathan Naylor (**G4K LX**), we started with his DStarRepeater and ircDDBGateway and now support the full G4K LX MMDVM suite, including the extra cross-mode gateways added on by Andy (**CA6JAU**), I cannot thank these guys for the vast amount of time and effort that they continue to put into their projects.

Pi-Star can be what ever you want it to be, from a simple single mode hotspot running simplex providing you with access to the increasing number of Digital Voice networks, up to a public duplex multimode repeater!

The world is at your fingertips, and the choices are yours!

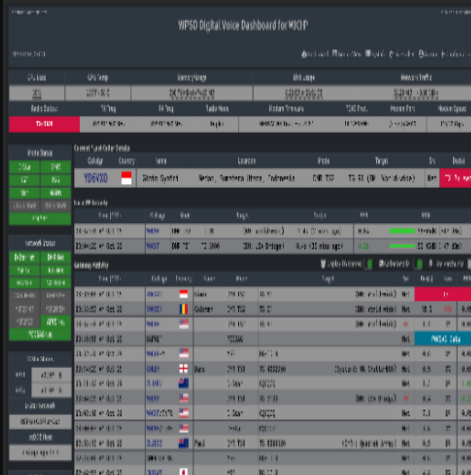
If you like to get your hands dirty, delve beneath the simple to use web based dashboard, Pi-Star provides some unique tools to make administration easy, but we also encourage those who want to understand what the system is and how it works to be as involved as they want to be!

Most importantly, have fun using Pi-Star!

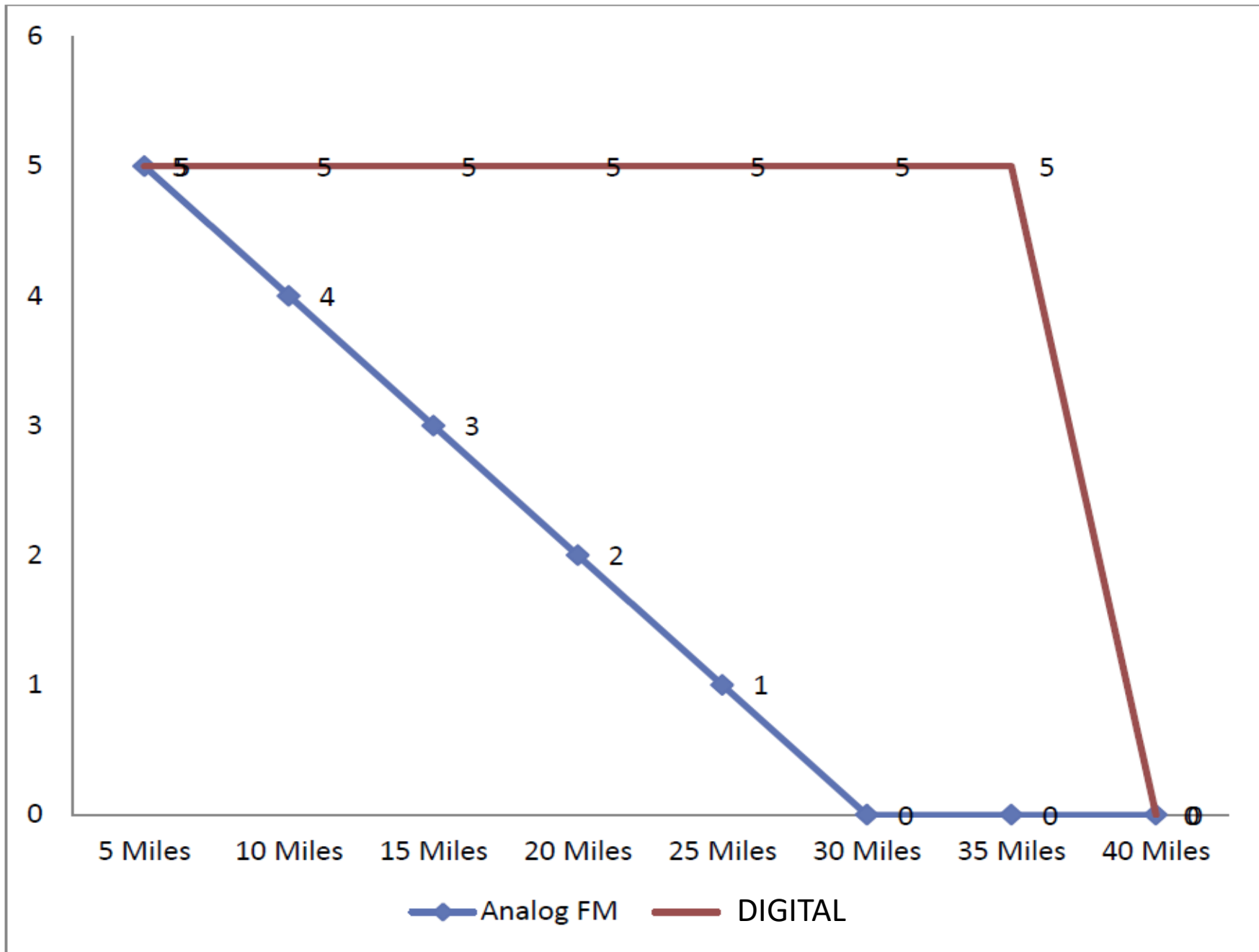
THE WPSD PROJECT

Welcome to the *official* home of the WPSD Project. WPSD is a **next-generation** digital voice software suite & distribution for amateur radio use, enjoyed by many thousands of hams around the globe. It is used for personal hotspots and repeaters alike. It supports M17, DMR, D-Star, Yaesu System Fusion (YSF/C4FM), P25, NXDN digital voice modes & POCSAG data/paging.

WPSD is available as installable disk images, and multiple platforms & devices are supported. The WPSD Project is free and open-source software (FOSS).



Call Sign	Call Sign	Frequency	Mode	Location	Status
M17-1	223.500	223.500	M17	USA	OK
M17-2	223.500	223.500	M17	USA	OK
M17-3	223.500	223.500	M17	USA	OK
M17-4	223.500	223.500	M17	USA	OK
M17-5	223.500	223.500	M17	USA	OK
M17-6	223.500	223.500	M17	USA	OK
M17-7	223.500	223.500	M17	USA	OK
M17-8	223.500	223.500	M17	USA	OK
M17-9	223.500	223.500	M17	USA	OK
M17-10	223.500	223.500	M17	USA	OK
M17-11	223.500	223.500	M17	USA	OK
M17-12	223.500	223.500	M17	USA	OK
M17-13	223.500	223.500	M17	USA	OK
M17-14	223.500	223.500	M17	USA	OK
M17-15	223.500	223.500	M17	USA	OK
M17-16	223.500	223.500	M17	USA	OK
M17-17	223.500	223.500	M17	USA	OK
M17-18	223.500	223.500	M17	USA	OK
M17-19	223.500	223.500	M17	USA	OK
M17-20	223.500	223.500	M17	USA	OK
M17-21	223.500	223.500	M17	USA	OK
M17-22	223.500	223.500	M17	USA	OK
M17-23	223.500	223.500	M17	USA	OK
M17-24	223.500	223.500	M17	USA	OK
M17-25	223.500	223.500	M17	USA	OK
M17-26	223.500	223.500	M17	USA	OK
M17-27	223.500	223.500	M17	USA	OK
M17-28	223.500	223.500	M17	USA	OK
M17-29	223.500	223.500	M17	USA	OK
M17-30	223.500	223.500	M17	USA	OK
M17-31	223.500	223.500	M17	USA	OK
M17-32	223.500	223.500	M17	USA	OK
M17-33	223.500	223.500	M17	USA	OK
M17-34	223.500	223.500	M17	USA	OK
M17-35	223.500	223.500	M17	USA	OK
M17-36	223.500	223.500	M17	USA	OK
M17-37	223.500	223.500	M17	USA	OK
M17-38	223.500	223.500	M17	USA	OK
M17-39	223.500	223.500	M17	USA	OK
M17-40	223.500	223.500	M17	USA	OK
M17-41	223.500	223.500	M17	USA	OK
M17-42	223.500	223.500	M17	USA	OK
M17-43	223.500	223.500	M17	USA	OK
M17-44	223.500	223.500	M17	USA	OK
M17-45	223.500	223.500	M17	USA	OK
M17-46	223.500	223.500	M17	USA	OK
M17-47	223.500	223.500	M17	USA	OK
M17-48	223.500	223.500	M17	USA	OK
M17-49	223.500	223.500	M17	USA	OK
M17-50	223.500	223.500	M17	USA	OK
M17-51	223.500	223.500	M17	USA	OK
M17-52	223.500	223.500	M17	USA	OK
M17-53	223.500	223.500	M17	USA	OK
M17-54	223.500	223.500	M17	USA	OK
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M17-56	223.500	223.500	M17	USA	OK
M17-57	223.500	223.500	M17	USA	OK
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M17-59	223.500	223.500	M17	USA	OK
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M17-61	223.500	223.500	M17	USA	OK
M17-62	223.500	223.500	M17	USA	OK
M17-63	223.500	223.500	M17	USA	OK
M17-64	223.500	223.500	M17	USA	OK
M17-65	223.500	223.500	M17	USA	OK
M17-66	223.500	223.500	M17	USA	OK
M17-67	223.500	223.500	M17	USA	OK
M17-68	223.500	223.500	M17	USA	OK
M17-69	223.500	223.500	M17	USA	OK
M17-70	223.500	223.500	M17	USA	OK
M17-71	223.500	223.500	M17	USA	OK
M17-72	223.500	223.500	M17	USA	OK
M17-73	223.500	223.500	M17	USA	OK
M17-74	223.500	223.500	M17	USA	OK
M17-75	223.500	223.500	M17	USA	OK
M17-76	223.500	223.500	M17	USA	OK
M17-77	223.500	223.500	M17	USA	OK
M17-78	223.500	223.500	M17	USA	OK
M17-79	223.500	223.500	M17	USA	OK
M17-80	223.500	223.500	M17	USA	OK
M17-81	223.500	223.500	M17	USA	OK
M17-82	223.500	223.500	M17	USA	OK
M17-83	223.500	223.500	M17	USA	OK
M17-84	223.500	223.500	M17	USA	OK
M17-85	223.500	223.500	M17	USA	OK
M17-86	223.500	223.500	M17	USA	OK
M17-87	223.500	223.500	M17	USA	OK
M17-88	223.500	223.500	M17	USA	OK
M17-89	223.500	223.500	M17	USA	OK
M17-90	223.500	223.500	M17	USA	OK
M17-91	223.500	223.500	M17	USA	OK
M17-92	223.500	223.500	M17	USA	OK
M17-93	223.500	223.500	M17	USA	OK
M17-94	223.500	223.500	M17	USA	OK
M17-95	223.500	223.500	M17	USA	OK
M17-96	223.500	223.500	M17	USA	OK
M17-97	223.500	223.500	M17	USA	OK
M17-98	223.500	223.500	M17	USA	OK
M17-99	223.500	223.500	M17	USA	OK
M17-100	223.500	223.500	M17	USA	OK



DSTAR

D-STAR stands for Digital Smart Technologies for Amateur Radio, and it's a digital communication protocol for amateur radio. The Japan Amateur Radio League (JARL) developed the system in the late 1990s.



\$1800



ID-RP2C (Repeater controller)

\$1800



ID-RP2V (1.2GHz Digital voice module)

\$1800



ID-RP2D (1.2GHz Data module)

\$1800



ID-RP2000V (2m Digital voice module)

\$1800

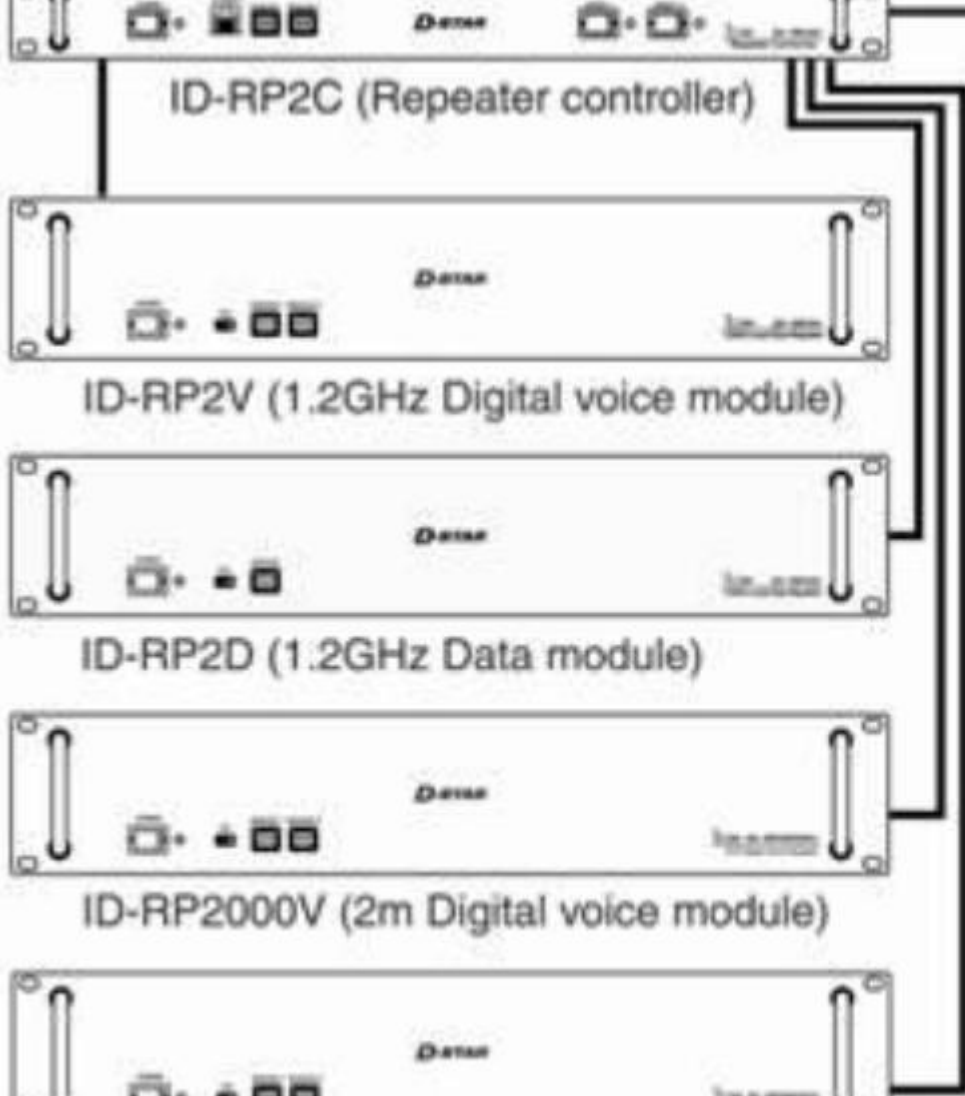


ID-RP4000V (70cm Digital voice module)

Gateway server



Internet



Reflector	Usage	Location	Links	Speed
REF001B			Status	
REF001C	D-Star Mega Reflector		Status	
REF002A			Status	
REF002B				
REF002C				
REF003A	Ad-hock & Emergency Use - Australia	Australia	Status	
REF003B	Permalink for Repeaters, including all WIA Port B Repeaters - Australia	Australia	Status	
REF003C	Australian Nets	Australia	Status	
REF004A	Alternate for Southeastern US D-STAR Weather Net	United States	Status	1 Gbps
REF004B	Texas Permalink Repeaters	United States	Status	1 Gbps
REF004C	General Rag Chew (English only please)	United States	Status	1 Gbps
REF005A	UK Nets, Permalink Repeaters	London, England	Status Usage Guide Information	100 Mbps
REF005C		London, England	Status Usage Guide Information	100 Mbps
REF005D	UKFMGW Net (North West UK Repeaters)	London, England	Status Usage Guide Information	100 Mbps
REF006A	Scottish Net	London, England	Status Usage Guide Information	100 Mbps
REF006B		London, England	Status Usage Guide Information	100 Mbps
REF006C	German Net	London, England	Status Usage Guide Information	100 Mbps
REF006D		London, England	Status Usage Guide Information	100 Mbps
REF007A		London, England	Status	100 Mbps
REF007B		London, England	Status	100 Mbps
REF007C		London, England	Status	100 Mbps
REF008A	Japan G2 repeaters, DVDongles and DVAPs	Japan	Status	
REF008B	Japan G2 repeaters, DVDongles and DVAPs	Japan	Status	
REF008C	Japan G2 repeaters, DVDongles and DVAPs	Japan	Status	
REF008D	Japan G2 repeaters, DVDongles and DVAPs	Japan	Status	
REF009A		AZ, United States	Status	
REF009B	Emergency Communications - Arizona	AZ, United States	Status	
REF009C	Arizona Permalink Repeaters	AZ, United States	Status	
REF010A	Michigan General Use - No Politics	MI, United States	Status	
REF010B	Practice for New D-Star Users	MI, United States	Status	
REF010C	Michigan General Use - No Politics	MI, United States	Status	
REF011A		Italy	Status	
REF011B		Italy	Status	
REF011C		Italy	Status	
REF012A	Permalink Repeaters	Southern CA, United States	Status	100 Mbps
REF012B	Papa System	Southern CA, United States	Status	100 Mbps



XLX Multiprotocol Gateway Reflector

XLX982 v2.5.2 - Dashboard v2.4.2 / Service uptime: 0 days 15:42:54

- Users / Modules
- Repeaters / Nodes (15)
- Peers (0)
- Modules list
- Reflectors list
- Traffic statistics
- D-Star live

Callsign		Apply		Module		Apply	
#	Flag	Callsign	Suffix	DPRS	Via / Peer	Last heard	
1		KB8AKC			KB8ZTV B	06.08.2024 17:32	B
2		KE8ZKC			KB8ZTV B	06.08.2024 13:55	B
3		KE8CBW			KB8ZTV B	06.08.2024 13:26	B
4		KI8A			KB8ZTV B	06.08.2024 09:17	B
5		K8SMS	5100		W8LRK B	06.08.2024 05:37	B
		W2GLD			KB8ZTV B	06.08.2024 04:00	B

- LARK BLUE ZONE
- TG#311887
- B
- KD8DXQ-A
- KB8ZTV-B
- KI8A-B
- K8SMS-B
- KI8A-B
- W8VTN-B
- KE8CZD-B
- K8NYY-B
- K7PLK-B
- KE8CZD-B
- W8LDT-Z





MAGIC 8TH DIGIT

Your Callsign	Rpt-1 CallSign	Rpt-2 CallSign	
CQCQCQ	W8LRK B	W8LRK G	XLX SETTINGS
XRF982BL	W8LRK B	W8LRK G	
CQCQCQ	W8LIV C	W8LIV G	REF SETTINGS
CQCQCQ	W8LIV B	W8LIV G	
CQCQCQ	W8DTW C	W8DTW G	
CQCQCQ	W8DTW B	W8DTW G	

DMR

Digital Mobile Radio (DMR) is an international standard for two-way radios that allows for voice and data transmission in non-public radio networks. The European Telecommunications Standards Institute (ETSI) created the standard in 2005 to address commercial markets.

In Stock



Radioddity GD-88 DMR Radio | Max 7W | Analog & Digital |..

The Radioddity GD-88 is a dual-band, dual-mode handheld rad...

\$219.99

In Stock



Radioddity GD-73A/E | DMR | UHF/PMR | USB Program &..

Note: For the first time running GD-73's programming softwar...

\$65.99 ~~\$79.99~~

In Stock



Radioddity DB25-D Mini Mobile Radio | 20W | Analog...

As one of the most compact DMR mobiles in the market, th...

\$239.99

In Stock



Radioddity GD-AT10G | 10W UHF | Analog & Digital DMR..

Featuring 10W high power output, powerful 3100mAh...

\$139.99 ~~\$169.99~~

In Stock



GD-77 DMR Radio+ Programming Cable +...

The GD-77 DMR is FCC&CE certified(FFC ID: 2AN62-GD7...

\$109.99

In Stock



Radioddity PC002 Programming Cable |...

Feature - Connector Type: K-plug connector - Compatible...

\$10.99

In Stock



Baofeng DR-1801UV DMR Radio | 5W/1W | Analog &...

High-Efficiency Call This DMR two-way radio support...

\$73.99

19% off

Out Of Stock

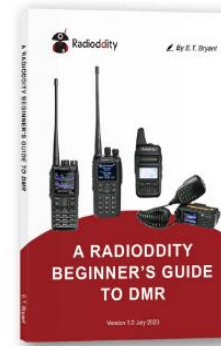


Baofeng DR-1801UV [OPEN BOX]

Not brand new, it's OPEN BOX! Open Box items are products...

\$59.99 ~~\$73.99~~

In Stock



[eBook] A Radioddity Beginner's Guide to DMR

DMR is popular with newly licensed amateurs as it provid...

\$8.99

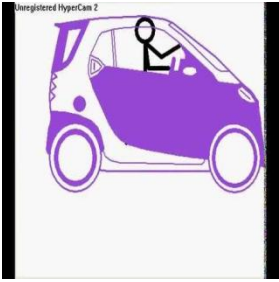
Out Of Stock



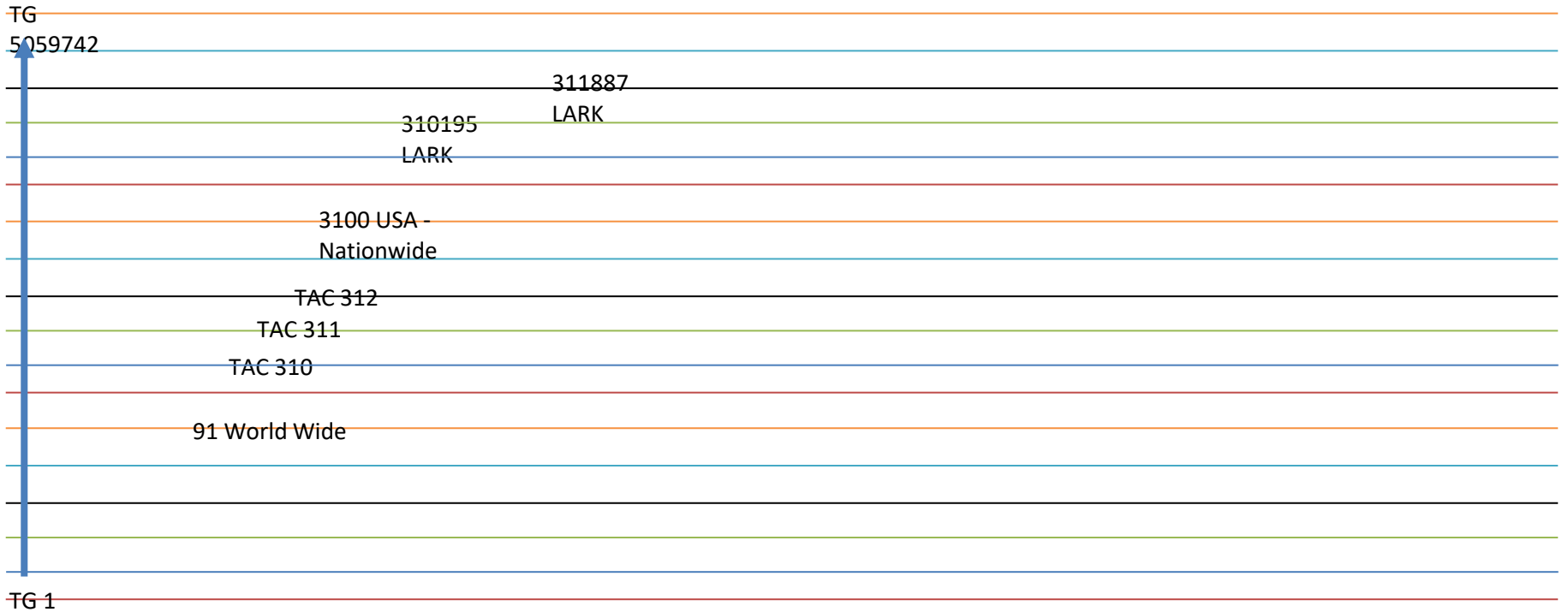
Radioddity GD-77 | Dual Band | 2 Time-slot DMR | 2200mA...

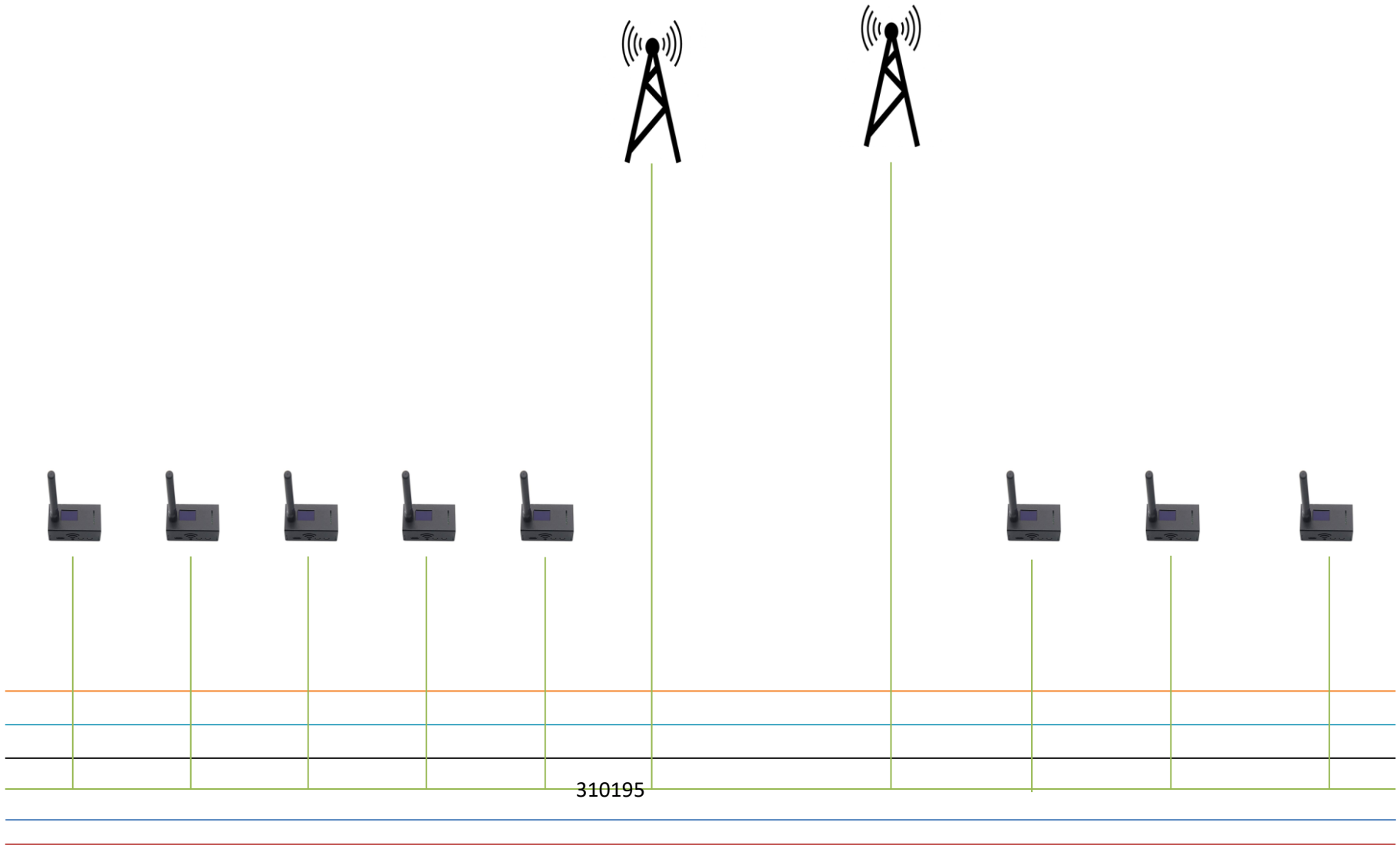
The GD-77 DMR is FCC&CE certified(FFC ID: 2AN62-GD7...

\$109.99

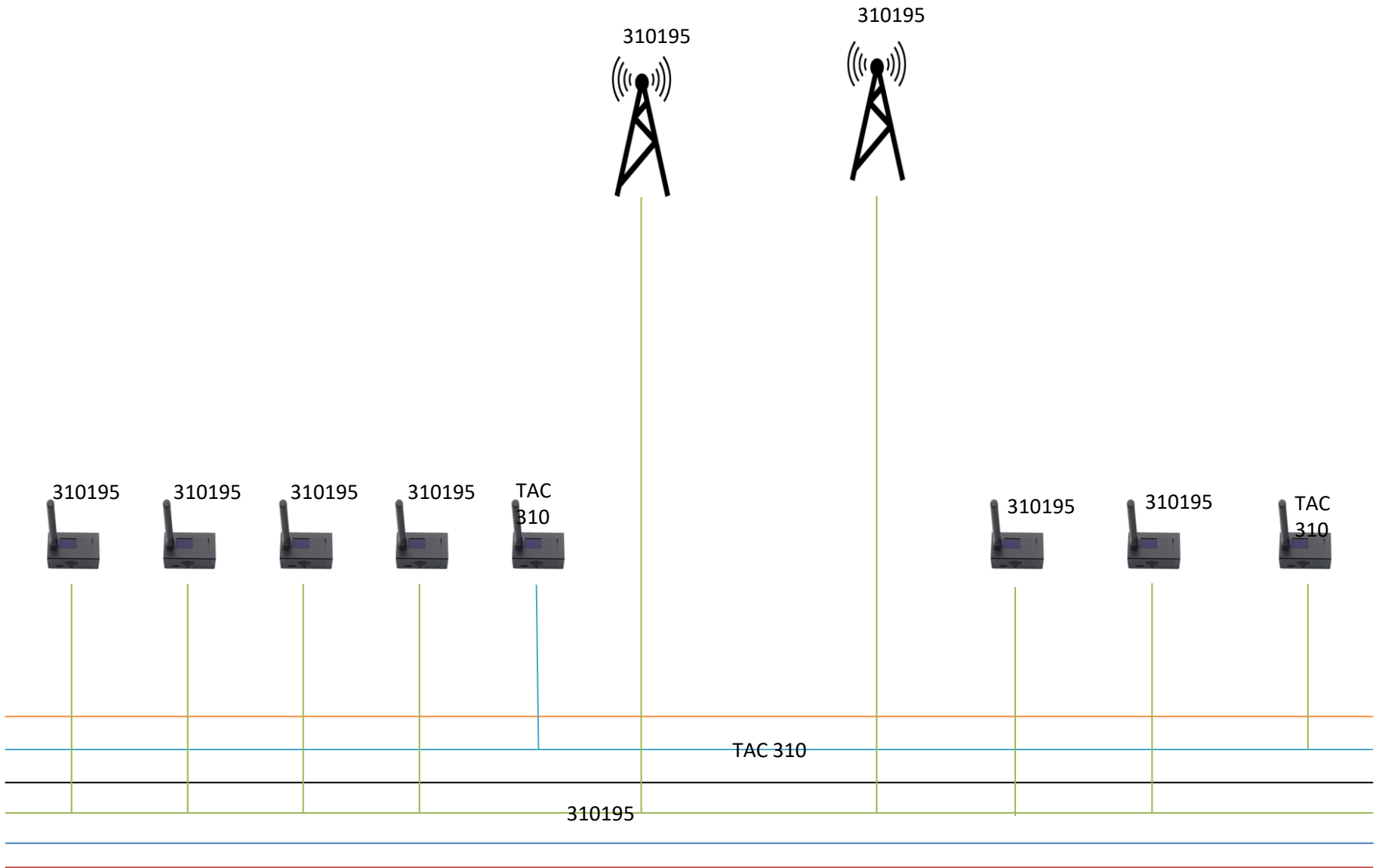


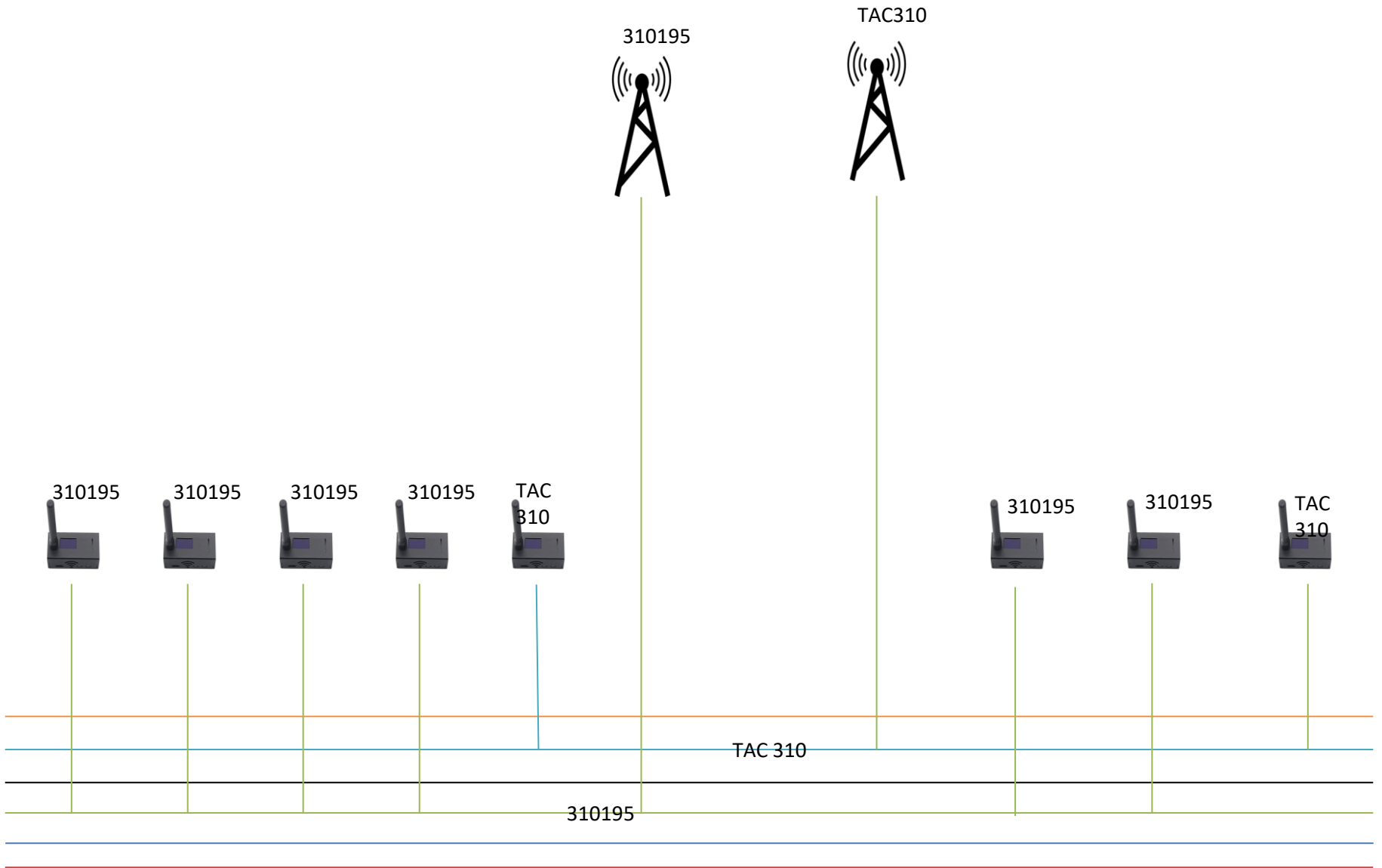
Talk Groups are like traffic lanes, you can only be in one at a time but can switch anytime





310195





Slot 2
310195
Slot 1
TAC310

TAC310



310195

310195

310195

310195

TAC
310

310195

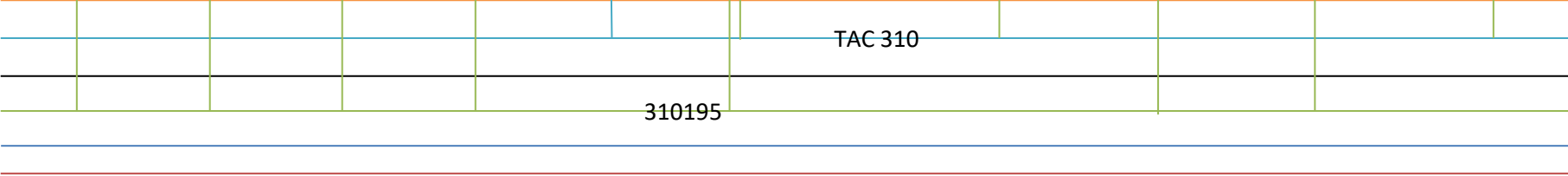
310195

TAC
310



TAC 310

310195



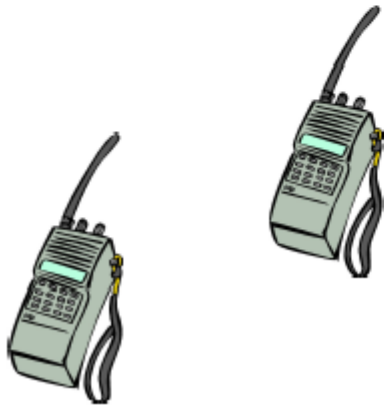
FUSION

Fusion, also known as Yaesu System Fusion, is a digital radio mode for amateur radio that uses C4FM 4-level FSK technology to transmit data and voice over amateur radio bands. Yaesu designed Fusion in 2013 and it quickly became the most popular digital format for amateur radio. Fusion radios can also use Normal FM.

North



Rpt 1

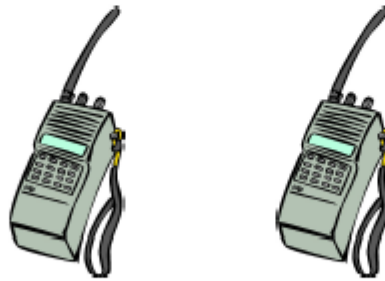


DG=00

Central



Rpt 2

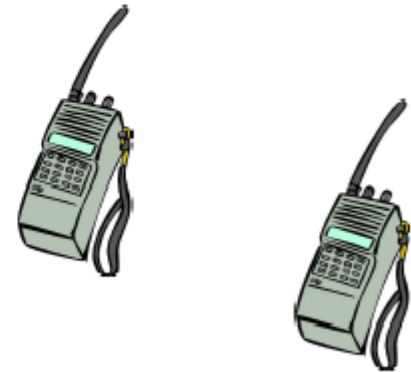


DG=00

South



Rpt 3



DG=00

North



Rpt 1



LOCAL RPT DG-ID

DG-ID 01

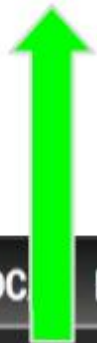
Down Link OWN

DG=01

Central



Rpt 2



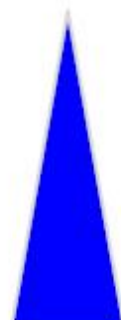
LOCAL RPT DG-ID

DG-ID 02

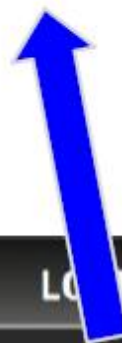
Down Link OWN

DG=02

South



Rpt 3



LOCAL RPT DG-ID

DG-ID 03

Down Link OWN

DG=03

North



Rpt 1

DG-ID 1

Central



Rpt 2

DG-ID 2

South



Rpt 3

DG-ID 3

DG-ID 41



DG-ID 41

DG-ID 45



DG-ID 45

DG-ID 45

Repeater Site

LINKS YSF but not FM



146.680

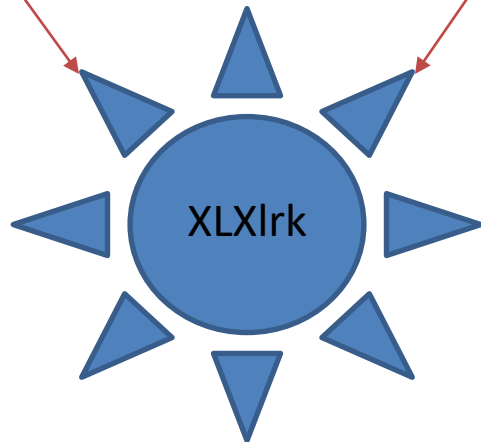
DR-2Xe
AMS Mode
FM & YSF



442.575

DR-2Xe
AMS Mode
FM & YSF

IMRS

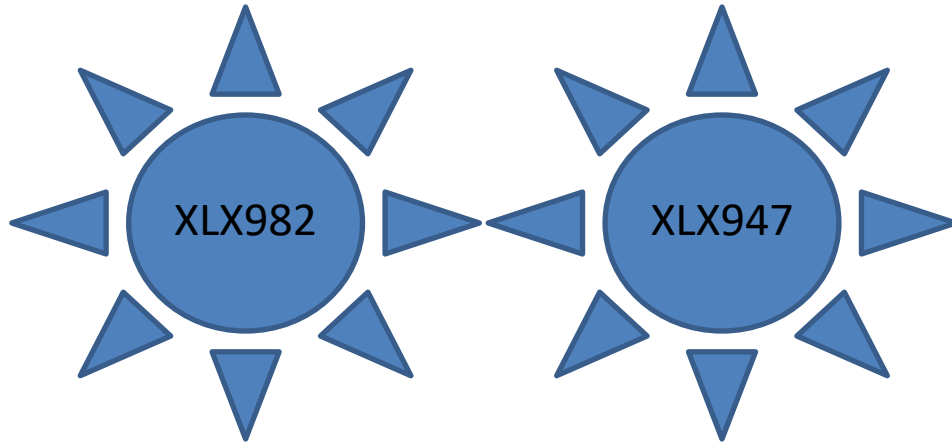
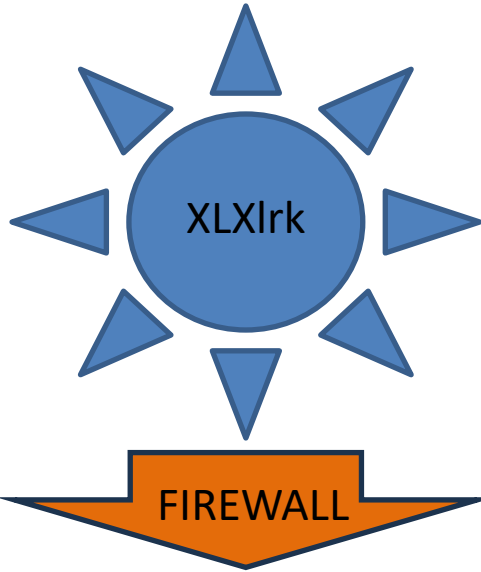


XLXlrk

FIREWALL



Repeater Site



M17

M17 is a community of open source developers and radio enthusiasts.

Our protocol's voice mode uses the free and open Codec 2 voice encoder. This means there are no patents, no royalties, and no licensing or legal barriers to scratch-building your own radio or modifying one you already own.



M17

Module 17
Revision 0.1d
05.2022
DB9MAT, SP5WWP

OPN
BTX

OPN
KC1AWV says
write something

Error
Sync
PTT
Power

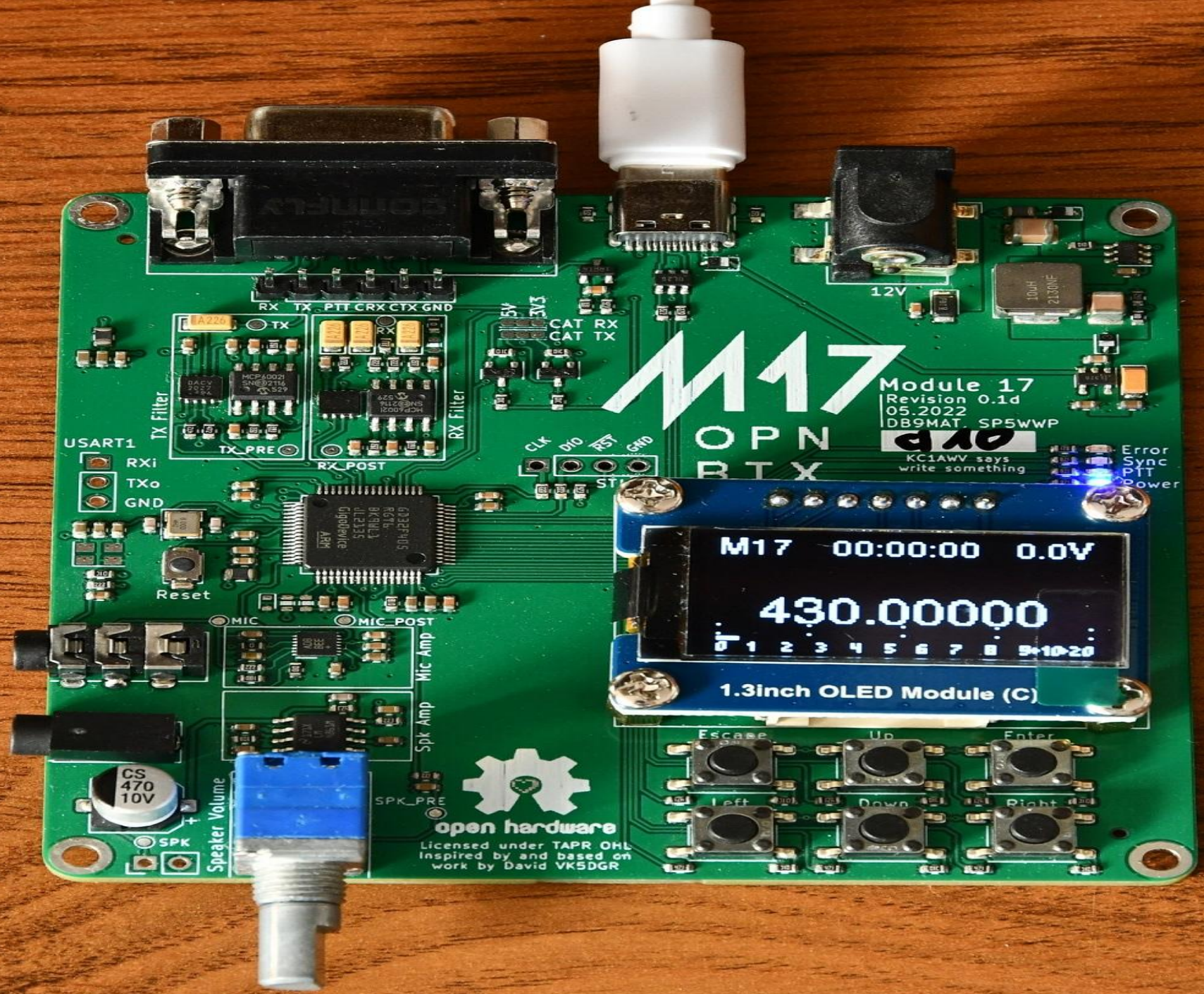
M17 00:00:00 0.0V
430.00000
0 1 2 3 4 5 6 7 8 9 10 20

1.3inch OLED Module (C)

Escape Up Enter
Left Down Right



open hardware
Licensed under TAPR OHL
Inspired by and based on
work by David VK5DGR

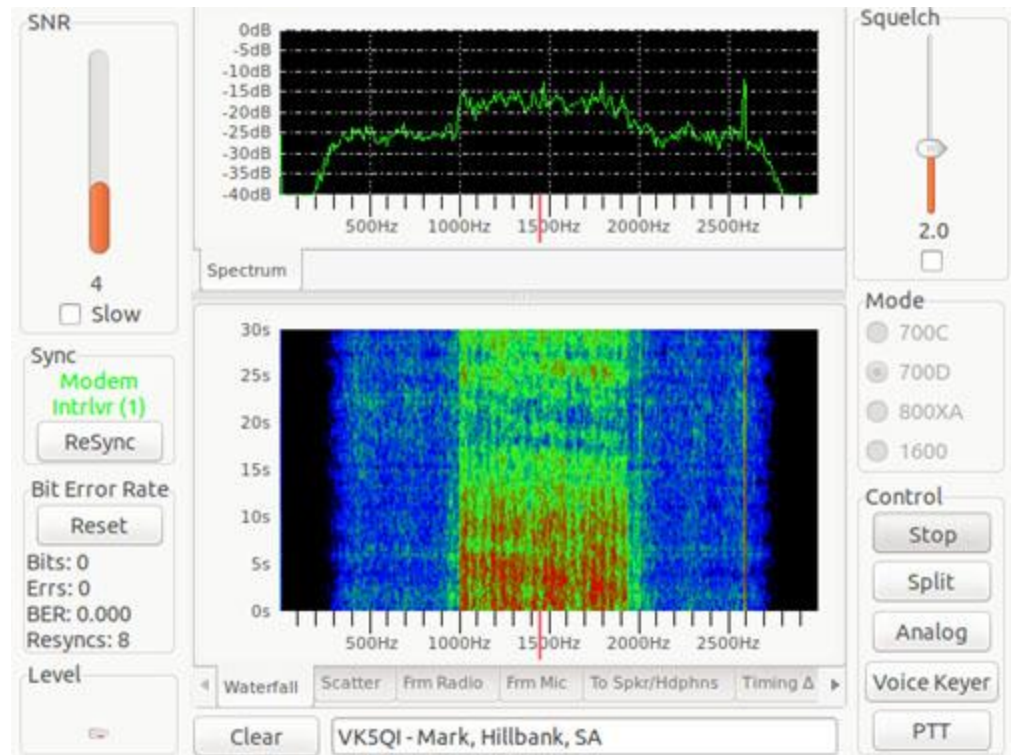




FREE DV

FreeDV is a free, open-source digital voice communications system for HF amateur radio.

SM1000 FreeDV Adaptor



SM1000 FreeDV

The SM1000 allows you to run FreeDV without a PC. Connect the SM1000 to your SSB radio, and you now have Digital Voice (DV). You don't have to buy a new radio to run Digital Voice! It's based on a STM32F4 micro-controller, has a built in microphone, speaker amplifier, speaker, and transformer isolated interfaces to your radio.

Category : [Operating Modes/Digital Voice](#)