

ID	TOPIC	SUB BY	DATE	STATUS	COMMENTS
1	Discussion on using DMR outside the US	KO4XL	2018-10-11	COMPLETE	
2	Is it possible a DMR repeater would encrypt to avoid people monitoring? What are ramifications?	N1QFH	2018-10-11	COMPLETE	OFF BBOARD
3	Discuss how scan and promiscuous works, pro and con, affects on radio	N1QFH	2018-10-11	COMPLETE	
4	Explain pro con of c-bridge vs brandmeister, costs, tech support needed, stability, ease of use, future use and where the trend is moving	N1QFH	2018-10-11	COMPLETE	panel discussion?
5	DMR repeater behaving different while mobile for TG to TG. Example: using my Favorites zone on TYT MD390 UHV as mobile, I was able to hit GCARC Pomp 443.35Mh on TG-310035 with normal results. My QTH at the time was Lake Ida and Congress in Delray Beach FL. When I changed to TG-3112529 on same machine, it was not able to hit the machine, I did not change my location, was in my car. When I go to my QTH where my antenna is 40 ft high, this did not occur, I had normal results on both. And when I was using my pi-star / hotspot, hitting TG310025 and 3112529 worked normally. Can you offer an explanation?	N1QFH	2018-10-14	COMPLETE	
6	If station A and B both are using TS-2 and TG TAC-311, can they have a QSO? And why? If most other codeplugs use TS-1 for TAC-311 will stations on TS2 be able to hear them? Please explain answer.	N1QFH	2018-10-14	COMPLETE	
7	Given that I'm using our BRARA codeplug, how can I dynamically load a TG such as 3119999?	N1QFH	2018-10-14	COMPLETE	cr t ch with tg ## tg grn key ppt once
8	Explain PTT on TG for RF vs hotspot	Gerald KG4FUR	2018-10-14	COMPLETE	
9	Discussed pistar, top-hat, best supplier, assembly	Jeff W4AEQ	2018-10-14	COMPLETE	
10	When looking at handheld DMR radios AnyTone, TYT, ConnectSystems, etc, compare number of zones, channels per zone, ease of use, programming compatibility, quality, price, audio and rank these in order of best radio.	N1QFH	2018-10-16	COMPLETE	
11	Can you explain Time Division Multiple Access (TDMA) aka Time Slots (TS) and how it impacts transmissions and reception and delay in using PTT. How can I expect to get tac311 in repeater that has local priority?	N1QFH	2018-10-16	COMPLETE	30ms packets metadata alternate, 4ms blurp to sync radios,

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12	When digital packets are lost in transmissions, what tools can be used to discover root cause and what can be done to help reduce packet loss?	N1QFH	2018-10-28	COMPLETE	
13	When connected to a local DMR repeater, often the green light stays lit for 5 to 8 seconds and I cannot transmit until the light is off. When using a hotspot, I do not have this long latency and I can transmit almost immediately. Can you explain what needs to change to improve this latency?	N1QFH	2018-10-28	COMPLETE	RPTR SETTINGS
14	When using my pi-star / raspberry pi, the usb is plugged into my splitter as a power source and the splitter is connected to my PC port. When doing this, the pi-star fails to fully start normally where the dmr display is showing. I have tried with success to connect the usb power cable to a portable rechargeable power device and the pi-star starts up normally and behaves normally. Any explanation why and how to have the PC power used?	N1QFH	2018-10-28	COMPLETE	USE DEDICATED PWR
15	MD390 not working properly to pi-star but works normally when open repeater direct.	N1QFH	2018-10-28	COMPLETE	
16	Can the TYT UV380 dynamically have a TG entered if it does not exist in the codeplug?	N1QFH	2018-11-04	COMPLETE	
17	What is the process to convert a TYT UV-MD380 to AnyTone AT-D868UV codeplug? What issues do you run into and how to resolve? Is codeplug cross-compatible?	N1QFH	2018-11-04	COMPLETE	read rtfm manual
18	Is there a way to add the NOAA weather, marine, fire rescue, PD, airport frequencies such as wx 162.55 to a TYT MD380 UHF / or UV?	N1QFH	2018-11-04	COMPLETE	
19	What are some nice features of a DMR mobile radio that the handheld DMR radios do not have?	N1QFH	2018-11-04	COMPLETE	power source, rf power, antenna,
20	Does anyone have experience with the Kenwood TK-D240V/D340V VHF/UHF DMR radios?	N1QFH	2018-11-04	COMPLETE	
21	When will we be trying to use the text messaging capability of DMR? How might it be used? What are its limitations? What are some best practices for DMR text messaging?	N1QFH	2018-11-04	COMPLETE	

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22	Looking at what Hyteria is proposing for new capabilities such as Full Duplex Call in RMO, Advanced Back-to-back Connection, Optimized Push-to-talk buffering, and maybe expanded TS from 2 to many, what might be some new capabilities for the amateur DMR radios coming in the next few years?	N1QFH	2018-11-04	COMPLETE	
23	On a pi-star, why is it a good idea to disconnect after going to a different TG?	N1QFH	2018-11-18	COMPLETE	
24	If people are on a pistar / hotspot defined tg such as 3112529, why might they not be heard on a brandmeister RF repeater using the same tg?	N1QFH	2018-11-18	COMPLETE	
25	How are modes linked together such as DMR, echolink, Dstar, fusion, and other modes such as use TG31010	N1QFH	2018-11-18	COMPLETE	tg 31010
26	On a pistar why is ts1 disabled and ts2 enabled and can it use any cc beside 1?	N1QFH	2018-11-18	COMPLETE	
27	How often should the pistar be backup and where should this backup be saved?	N1QFH	2018-11-18	COMPLETE	
28	When should a person access the pistar settings and configurations and why and at what risk?	N1QFH	2018-11-18	COMPLETE	
29	Is there a limit as to how long a pistar should be powered up and why?	N1QFH	2018-11-18	COMPLETE	updates occur late at nite, lynix and pi ic binaries, leave on once per week per nite,
30	If a pistar does not power up properly, after how long should it be retried and what are some factors to consider if it does not power up properly?	N1QFH	2018-11-18	COMPLETE	unplug, wait 30 sec, give caps time to drain, try reseat mini card, then take apart and reassemble due to oxidation, if not properly shutdown, can create sw in middle of update, could corrupt download, issue pistar shutdown command, setup remote access to add channel shutdown to that shutdown channel, it will logiocially shutdown, or on pi atar go to admin and shutdown, wait 30 sec before close
31	How do you set talker alias to include your qth like is seen on a pistar group activity?	N1QFH	2018-11-18	COMPLETE	The only thing I know about that is on an Anytone 878 there is a setting in the CPS program under digital settings called talk alias where you can turn on the feature and select what to display. - af4fa al
32	When should a pistar firmware be updated and when not?	N1QFH	2018-11-18	OPEN	
33	if a pistar shows loss, when and what action should be taken?	N1QFH	2018-11-18	OPEN	

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34	When listening to a station via a hotspot/pistar for example, the volume is much louder than when another station is using RF to a repeater. Is there some way to reduce the audio for those hotspot station when listening without affecting the RF stations using the DMR repeaters?	N1QFH	2018-11-25	COMPLETE	TY offers change to UHF 380/380 AF4FA: anyone, cps opt settings ctrl vol level min max, and mic gain
35	When on the fringe of hitting a DMR repeater, the machine can be chachuncked with a valid DMR return tone. The problem is the voice packets are compromised. Without getting closer to the repeater is there a way to improve the voice packets to the repeater such as power or antenna height to help ensure the packets make it to the repeater?	N1QFH	2018-11-25	COMPLETE	
36	When using a pistar can it be configured to connect to a 2m RF DMR radio? Why or why not?	N1QFH	2018-11-25	COMPLETE	there are dual band board, have to check - af4fa
37	When traveling in a car, where is the best place to place the hotspot and why?	N1QFH	2018-12-02	COMPLETE	KI8A
38	What is needed to have a pi-star configured using duplex such as 2 antennas, how apart should these antenna be from each other, why and what are the advantages?	N1QFH	2018-12-02	OPEN	KI8A, no good answer
39	When using pistar and a disconnect is performed from an active TG, when does it take affect and why?	N1QFH	2018-12-02	COMPLETE	when go to next tg and hit ptt it takes affect
40	When a person is transmissint and another station hits the PTT, might the digital packet be interrupted and what are the side affects?	N1QFH	2018-12-02	OPEN	KI8A, ir rprr will not accept call
41	On TYT MD3xx when using a pistar why are both TS1 and TS2 invokled but only TS2 is used? Are other radios able to configure this TS setting? What are advanatages and disadvanatages?	N1QFH	2018-12-02	COMPLETE	KI8A
42	Can someone explain in laymens terms how a pi-star is conctructed and how it fits together, what the costs are, level of expertese to assemble	N1QFH	2019-01-13	COMPLETE	

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43	Some users of the GCARC DMR repeater near delray have reported not being able to hit the dmr machine well. One day I traveled in a radius pattern north of the repeater using TG 31000 to echo back to me my voice report so as to confirm accuracy of this report. The users are correct there is a northern limit near Atlantic ave in Delray with pockets working well and others not so well. Any time I was able to transmit on a high spot or on a railroad crossing it seems to work fine. The question is is there a better less time consuming way to confirm the coverage pattern?	N1QFH	2019-01-13	COMPLETE	
44	When operating DMR simplex, what is the best freq to use and what is the general coverage distance when using 5w HH?	N1QFH	2019-01-13	COMPLETE	TG-99 CC-1 145.5100 145.7900 433.4500 441.0000 446.0750 446.5000
45	For the GCARC DMR repeater are there any known blind spots to the repeater and where might it be located?	N1QFH	2019-01-13	COMPLETE	use par31 to test coverage
46	On MD-9600 mobile rig, the default is to display the channel frequency. How is this changed to display the channel name?	N1QFH	2019-02-10	COMPLETE	
47	On a TYT380 given just the analog channels, is there a way to scan just those analog channels and how might it be configured in the codeplug? How start the scan? will affect battery, how is it different than promisious?	N1QFH	2019-03-03	OPEN	on ch, id scan, add scan group, start: set to key assignment, promisious sits on dmr freq for activity
48	For any digital channel such as DMR, what should the squelch be set and why?	N1QFH	2019-03-03	COMPLETE	zero
49	What is the best process to follow to see the coverage area for a mobile DMR station can reliably hear and receive any other DMR station using a given DMR repeater	N1QFH	2019-03-03	COMPLETE	
50	What is best pistart server to use	N1QFH	2019-03-03	COMPLETE	3021-CAN 3101-NY BETTER 3102-TX 3108-GA xprmtl
51	Some owners of Anytone have experienced screen failure, any comments?	N1QFH	2019-03-03	COMPLETE	no one had this occur

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52	Does anyone have experience using DMR simplex and the line of sight range simplex experiences for DMR frequencies?	N1QFH	2019-03-03	COMPLETE	
53	request NCS to have checkins state their radio being used	N1QFH	2019-03-03	COMPLETE	
54	on dashboard have noticed loss above 0% packets drop, how is this resolved	N1QFH	2019-03-03	COMPLETE	
55	green light out timer	N1QFH	2019-03-11	COMPLETE	
56	generic tg such as tg310	N1QFH	2019-03-11	COMPLETE	
57	is there a way to boost the wifi signal to pistar to improve the connection	N1QFH	2019-03-11	OPEN	
58	feasibility of placing pistar in radio eg tyt380	N1QFH	2019-04-21	OPEN	not done yet
59	what mobile dmr radio would recommend	N1QFH	2019-04-21	COMPLETE	TYT9600, MOTRO,CS800,ANYTONE,
60	what are good mobile dmr radios on market and why?	N1QFH	2019-04-21	COMPLETE	
61	what are some of the nagging issues with using and programming DMR radios?	N1QFH	2019-04-21	QUEUE	
62	MD380 uhf new sw 1.05 to 1.08 what are differences, no info, filesystem is different	WD2B		OPEN	ty weaver updated to 200k
63	any limit to user in user db?	WD2B		OPEN	ANYTONE, FW INC 200K, LIBRAOFFICE,
64	Set timeout to 5 10 from 20 to ensure keyup is enabled sooner	AA4FA	2019-04-21	COMPLETE	HS ONLY METHOD CONN USE IS DIGITAL ONE TYPE, TIME OUTS SET 20 RF 20 LISTEN, WAIT TO CLEANUP, NET SET TO 5 SEC OTHERS SET TO 20
65	Can you enter Freq, Talk Group, Color Code from the radio console on the TYT 380  A: Yes thru the Flash Tools Program Radio and 9990 Code	N2ELG	2019-05-05	COMPLETE	
66	Does anyone know how to use FLASH TOOLS 1.08 with CSV database? It does not appear to reduce the size of the database, so the assumption is that you might have to manually prune the database before loading.	N2ELG	2019-05-05	OPEN	

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67	AI reports that you need to update your PI-STAR if you are using the 3D Plus Board to version 4 Release candidate 4 also that there are Updates to the P25 Voices. He suggests a weekly running of the UPDATE from the browser to have the latest firmware.	N2ELG	2019-05-05	OPEN	
68	DV2 MEGA LARGER HAT CAN ADD RESET BUTTON	AF4FA	2019-05-12	OPEN	
69	Can the mini sd card be cloned to use on another pi-star		2019-05-12	OPEN	
70	BrandMeister Hotspot Security - explain why needed and how to implement	AF4FA	2019-05-19	OPEN	
71	Hotspot Offset Calibration (fixing BER)	AF4FA	2019-05-19	OPEN	
72	Fix Hotspot Power Savings setting	AF4FA	2019-05-19	OPEN	
73	ON TRNSMIT SEE ID UNKNOWN, WHY, HOW FIX	N1QFH	2019-05-19	OPEN	
74	Using DMR TYT radio, how to see reverse when going to repeater	N1QFH	2019-05-26	OPEN	
75	get error issues with git failing to update your pistar	AF4FA	2019-06-02	OPEN	
76	<p>Problem After transmitting the master comes with the message "User blocked"</p> <p>Solution This happens due to the loop protector or due to manual blocking on the master</p> <p>The blocks from the loop protection will lift one hour after it was added</p>	N1QFH	2019-06-39	COMPLETE	
77	How to get UDB for moto radio (NY4Z)	NY4Z	2019-07-07	WIP	RESEARCH
78	How to get parts for anyone ant that broke	N2ELG	2019-07-07	WIP	868 ANYTONE, pin in sma conn stick up broke, mike ele to resolve, send guts of radio, not able to use, took female ant sewing t pin to cut approx 1/16 loger than depth into slot, workes fine, bridgecom website
79	User DB findings KB5PRY / K5PRY	AF4FA	2019-07-07	COMPLETE	
80	Anyone use VOX tyt380 in codeplug?	WD2B	2019-07-14	WIP	

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81	Price differences on 50\$ HS and 250\$ open spot?	WD2B	2019-07-14	COMPLETE	Jumbo Spot no issues, make diff modem board, chinese not as good board, need to id where to buy good jumbo spot, based on pi processor aka raspberry pi board gtio connn to ready in place to make it plug and play, be careful of screen placement, modem and pi go together make hs,
82	Make HS conned via USB and lots of issues resolved	N1QFH	2019-07-14	COMPLETE	dongle to micro usb rj 45 e
83	NY METRO	NY4Z	2019-07-14	COMPLETE	TG 31362 (Brandmeister) or TG 444
84	<p>Message: AMP-U25D</p> <p>Connected to an AnyTone AT-D868UV. 5w input setting. Dual-Band MFJ Yagi.</p> <p>Supposed to support DMR. Can listen, but when I try to transmit, there is a short attempt (light blinks), then no output. If I continue to hold PTT, fast flashing light on AMP-U25D.</p>	W4NQR	2019-07-14	WIP	
85	K5PRY update - callsign updated, tyt TOOLS HAS old callsigns not updated as needed, AI advised these db owners to fix, no update from these db owners yet	AF4FA	2019-07-21	COMPLETE	
86	Loc TG 2 or 9 in IP, TS1	W4BFL	2019-08-04	COMPLETE	
87	The only thing I know about that is on an Anytone 878 there is a setting in the CPS program under digital settings called talk alias where you can turn on the feature and select what to display.	AF4FA	2019-08-08	COMPLETE	
88	on pistar what is tcxo of 14mhz	N1QFH	2019-08-11	COMPLETE	crystal occlator, 12mhz osclator, 14 more stable, prefered over 12mhz, fw is firmware
89	can auto power down and start	N1QFH	2019-08-11	COMPLETE	auto not able to restart, in lynix use cron seq to power down and up
90	How will users know when to use net new TG	AF4FA	2019-08-18	OPEN	TG 311037 TS2
91	Does anyone have a a hyteria HH, discuss how they handled the codeplug, and share anyother info	N1QFH	2019-08-26	OPEN	
92	When can TalkAround be used, how is it used, why, and why not use it?	N1QFH	2019-09-09	OPEN	<a href="https://forums.radioreference.com/threads/dmr-repeater-talk-around.352432/">https://forums.radioreference.com/threads/dmr-repeater-talk-around.352432/</a>



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93	From promicious mode on anyone, how to see TG of conversation when scanning	KA8EOA	2019-09-22	COMPLETE	AF4FA: prom does not do much for you, when scan will stop on chan looking for, if in certain rptr and TG it will stop
94	What is proper editick to access TG on repeater, hotspot, etc	KN4RYN	2019-10-06	OPEN	
95	What is good way to convert TYT codeplug to AnyTone	N1QFH	2019-10-06	OPEN	bridgecom on youtube Link should be <a href="https://www.youtube.com/channel/UC5JzbaXRst_EPZIH1UrXJew/videos">https://www.youtube.com/channel/UC5JzbaXRst_EPZIH1UrXJew/videos</a> BY Harry KC1TN need blank CP, import CSV and adjust
96	Jumbo HS: any reason to update version pistar	KA8EOA	2019-10-06	OPEN	need
97	Not seeing user info on lastheard	KA8EOA	2019-10-06	OPEN	consider looking at settings of what to show for user info
98	why not hearing people when they do quick PTT	KA8EOA	2019-10-06	COMPLETE	w4aeq - if hs need to do disconnect, if in middle of conversation, tg will show up when it mapps through
99	Not able to hear conversation on hose or on phone	KA8EOA	2019-10-06	OPEN	same issue with iphone, should we let someone know aka NY folks
100	Has anyone updated AnyTone updated FW 878?	KB3WBN	2019-10-06	OPEN	May want not update and let it shake out look at bridgecom website
101	I have the Anytone 878 & MMDVM hat on a raspberry pi. My understanding is I have to key up a channel and the hotspot just listens to that one channel. So is there anyway to scan?	KN4YRM	2019-10-06	CLOSED	KA8EOA: Use scan list on repeater, add static TG use prommicious to 2 TS, AF4FA: add Tg to pi-star on admin static list
102	If I go to the published lists of brandmeister talk groups, I didn't see the net # listed. Are there such things as unlisted talk groups? Is there some authority where talk groups need to be registered?	KN4YRM	2019-10-06	COMPLETE	Bernie said bm does assign TG, they are the authority, local rptr tg such as IDs may not be in that db, can use tg on any bm rptr and not listed. use another tg to test before officially use a number.
103	It seems like the protocol if one just wants to listen is to key up the channel. When people do this I see their ID and callsign on my pistar dashboard. Is that fine, or technically must one verbally announce their callsign?	KN4YRM	2019-10-06	COMPLETE	
104	Using HS, repeater ediquet, can connect to any TG?	KA8EOA	2019-10-20	COMPLETE	

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105	Can I listen on BM or another different DMR server server	KA8EOA	2019-10-20	COMPLETE	yes, set it on HS and any server, tgif may not be bm server or they are using their gateway and may not be on bm or cbridge.
106	MD380 HS RASB LOT OF ISSUES-IS THERE ANITHER MMDVM HS?	WD2B	2019-10-27	COMPLETE	RP0 TO ANOTHER: AF4FA, IF UPDT GO RP3A MODEL,5K MEM, IS COOLER RUNNING FOR PISTAR, IF MOD HAT PIN MATCH,W/NOT MATTER
107	tgif network - explain why only that server is used to hear tgif net	N1QFH	2019-10-27	COMPLETE	feeds can be turned on and off, cut feed off to bm at that time,
108	How to set mic gain, set to 2 on anyone	WD2B	2019-10-27	COMPLETE	kd4hgr - adjust in CP or hot mic
109	if a HS pistar sc mini card becomes corrupt and makes the pistar not work properly, can it be recreated and fixed and how? can a properly working pi sc card be copied to another and how?	N1QFH	2019-11-03	COMPLETE	win not like lynx, lowlvl copy, sec to sec, how to regen card, 1.8 rpi image, flash sd, down orig rpi image england, pistar website 600m zip file, unzip, 1.8g image 2 pgms 1.card formatter clean out emty pgm etcher or win32 img pgm, then disk imager, saved config copy zip to base folder of card, will expand card will unzip config file and reset all, dwn etcher for win or lynx both do same thing, then flash it, there r videos on this process, search for sd card formatter, use full format not qwk, will take upto 1 hr,
110	Is there anyone currently using tytools application to download and push firmware to a tyt380 uhf radio?	N1QFH	2019-11-03	COMPLETE	jay has it
111	better way to pi config or ADMIN psudo opti	WD2B	2019-11-03	COMPLETE	AF4FA: UPD EXPEET MODE SSH - UPDATE PI BINARIES, IF PSUDO UPD BINARIES AND LYNIX OS BINARIES, LEAVE ON OVER NITE WILL AUTO UPDATE
112	Shark open spot in effort to keep cost down from 200\$ on one type and 300\$ for another, can run just dmr with just mmdvm hat only	WD2B	2019-11-03	OPEN	buildig project and assemble, use ebay, amazon buy boards, careful of immitations, get the real thing not a clone of pi-star for example, have QA issues, may be better to invest a bit more \$\$ to ensure quality functioning hotspot, leave it on overnight to auto firmware updates, several updates are now pending, v 4.1.x to lynix os, latest is 20191112

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113	new tg-3010 all mode	WD2B	2019-11-03	COMPLETE	all modes tg
114	hs mmdvm hat on pi, build 2nd 2 ant duplex, why need this,	KN4YRM	2019-11-03	COMPLETE	
115	ty weaver site is down, how can get dmr tg, flash tool	WD2B	2019-11-10	OPEN	FROM W4AEQ - NO UPDATE,MAY BE TIMING,
116	PROMISICIOUS,SCAN,REVERSE	N1QFH	2019-11-10	OPEN	
117	What are some best practices when going in lengthy trip with wifi connected to hotspot and radio connected to hotspot? what TG do you tend to use, why? have you had any power issues when on such a trip? has anyone built a codeplug just to be used for lengthy trips and what kinds of TG did you define for use?	N1QFH	2019-11-17	OPEN	
118	What is correct way to request a c-bridge owner to add a TG and what type of info needs to be provided? Is there a timeframe in which to expect such request to be completed or rejected?	N1QFH	2019-11-17	OPEN	bernie: what type of cbridge, good process, tg, ts, group, ptt or fulltime, done in a few days, if does not carry, if need to get from bm rpts may take longer (few weeks)
119	AnyTone 868 - any improved rubber duck to give better performance on vhf side	NY4Z	2019-11-17	OPEN	jay uses tactical antenna, bernie uses vhf due to hills, 868 and 878 vhf std rub dck, do not want to be sticking out,
120	Pistar, mobile, near windsheild on car, using cell tmobile wifi, parrot not repeating, ssid and pw, no special char on ssid or pw	WA3LSU	2019-11-24	OPEN	ext antenna, ssid and pw, no special char on ssid or pw, check which devices connected, PING DEVICE, do speed test and use cable conn to pistar
121	pistar expeet mmdvm host, dmrnetwork, jitter, dflt 306, what is it? what happens when change it?	WD2B	2019-11-24	COMPLETE	conn radio and wifi, full capacity, recommend leave it as-is, how link connects, automted, noon change need by operator, google network jitter
122	is there way to associate TG to name	KN4RYN	2019-11-24	OPEN	SEND REQ TO PISTAR DEVELOPERS
123	How do you change rooms on your radio when busy.. for example I'm connected to 91 and want to change to 235 everytime I ptt I cannot get in time to change before more traffic on 91?		2019-11-24	OPEN	Get a duplex hotspot, ensure everyoe waits 3-5 sec between PTT, turn radio off or remove antanna, shot down hs
124	can the pistar dsdhdboard show the name associated with the TG	WD2B	2019-11-24	OPEN	submit to pi-start.uk; KN4YRM - built javascript plugin to chrome console, lynix,

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125	discuss speciality TG: TG-4000: disconnect, TG-5000 for pistar status`	N1QFH	2019-12-01	OPEN	<p><a href="http://mrickey.com/2018/02/using-dmr-reflectors-on-brandmeister/">http://mrickey.com/2018/02/using-dmr-reflectors-on-brandmeister/</a></p> <p>There are also two special id's on either side of the reflector range that must be sent as private calls:</p> <p>4000 – Issuing a private call to 4000 will disconnect a reflector 5000 – Issuing a private call to 5000 will tell you which reflector is connector (or none)</p>
126	NY-metro now has TG311037 as TS1 BRARA bmr its TS2, explain	AF4FA	2019-12-01	COMPLETE	
127	contacts talker alias anyone enabled get name and dmr id	AF4FA	2019-12-02	COMPLETE	<p><a href="https://wiki.brandmeister.network/index.php/Talker_Alias">https://wiki.brandmeister.network/index.php/Talker_Alias</a> on tyt380 ty tools only can it be set</p>
128	given DMARC/cbridge machines, on the BRARA DMR brandmeister repeater does it matter what TS is used when on a shared TG? example differenced between using TS-1 and TS-2 TG-311037 on GCARA brandmeister repeater	N1QFH	2019-12-08	COMPLETE	<p>LO-TS2 eg 311037 TS-1 everything else guideline BMR: LO TS-2 suggest operators TS-311037 all others TS-1</p>
129	how to make pistar private	AF4FA	2019-12-08	COMPLETE	add to website
130	given qst article, what doing to harden repeater sites?	N1QFH	2019-12-08	COMPLETE	
131	explain use of tactical tape measure antenna and use of coounterpoise wire aka tigertail	N1QFH	2019-12-15	COMPLETE	<p><a href="https://hackaday.com/2014/02/08/improve-your-ht-ham-radio-by-adding-a-counterpoise-antenna-wire/">https://hackaday.com/2014/02/08/improve-your-ht-ham-radio-by-adding-a-counterpoise-antenna-wire/</a></p> <p><a href="https://smile.amazon.com/gp/product/B07MLQRJR3/ref=ppx_yo_dt_b_asin_title_o00_s00?ie=UTF8&amp;psc=1">https://smile.amazon.com/gp/product/B07MLQRJR3/ref=ppx_yo_dt_b_asin_title_o00_s00?ie=UTF8&amp;psc=1</a></p>
132	with IP outage like what happened tonight, any way to discover root cause, how to get 3102 server status	N1QFH	2019-12-15	OPEN	<p><a href="http://74.91.114.19/status/status.htm">http://74.91.114.19/status/status.htm</a></p> <p><a href="http://74.91.114.19/status/list.htm">http://74.91.114.19/status/list.htm</a></p>

ID	TOPIC	SUB BY	DATE	STATUS	COMMENTS
133	2-pistar, 3-md380, one radio does not rcv, pi did not work,	W4HI	2019-12-15	OPEN	validate 1.freq, 2. wifi ip/pw 3. power sequence then send n1qfh backup of pi-star  <a href="https://confluence.brandmeister.network/display/BRAN/Voice+message+User+blocked">https://confluence.brandmeister.network/display/BRAN/Voice+message+User+blocked</a>
134	TyTools status	N1QFH	2019-12-15	COMPLETE	unpredictable firmware on UHF radios only
135	CPS - who need assistance	N1QFH	2019-12-22	OPEN	if on our rpt use ts-2 tg-311037, all others use ts-1
136	What tools and technoques to slim down user database	N1QFH	2019-12-22	OPEN	use excel, <a href="https://github.com/dmr-database">https://github.com/dmr-database</a>
137	new openspot3	N1QFH	2019-12-22	COMPLETE	<a href="https://www.sharkrf.com/products/openspot3/">https://www.sharkrf.com/products/openspot3/</a>
138	ask wel 145.19 cc-2 dmr trustee if they could use 3102 server	N1QFH	2019-12-29	OPEN	
139	how to use contact manager, when and why	N1QFH	2019-12-29	OPEN	
140	on anyone, what is vocode, purpose, how to update and how used	N2ELG	2019-12-29	COMPLETE	
141	radios compared on website	N1QFH	2019-12-29	OPEN	<a href="https://brara.org/documents/general/DMR/DMR-RadiosCompared.pdf">https://brara.org/documents/general/DMR/DMR-RadiosCompared.pdf</a>
142	anytone 578 with codeplug triband 2m 220 440 do not update firmware by user, re: need code by fcc c/o dealer,	AF4FA	2020-01-05	OPEN	RE: 220 IS BEING LIMITED BY FCC
143	what is difference between jumbo HS and regular pistar	N1QFH	2020-01-05	COMPLETE	AF4FA: refers to modem board which creates the system
144	in codeplug for a given dmr channel there is a setting called "in call criteria" with options of 1. always 2. follow admid criteria 3. tx interrupt how is this used and what are problems it may cause	N1QFH	2020-01-12	OPEN	tx interrupt not sure how used  <a href="https://www.jeffreykopcak.com/2017/06/11/dmr-in-amateur-radio-programming-a-code-plug/">https://www.jeffreykopcak.com/2017/06/11/dmr-in-amateur-radio-programming-a-code-plug/</a>
145	what are pro and con for adding individuals dmr id vs user.db to contacts	N1QFH	2020-01-12	OPEN	designed orig comm use, limit user list,

ID	TOPIC	SUB BY	DATE	STATUS	COMMENTS
146	Scan Lists Scan Lists are not required for radio operation but are nice for scanner like functionality across repeater time slots and frequencies. Channels have to be established first before it can be added. Scan Lists can contain analog channels too.	N1QFH	2020-01-12	OPEN	
147	pro con conn pi-star via usb direct to wifi	N1QFH	2020-01-12	OPEN	could desens rf
148	explain Rob.A issue with AnyTine and possible solution with varicode	N2ELG	2020-01-19	WIP	could be locked, chip vocoder issues needs updates in special sequence, Al said FCC is cracking down on radios, out of band, can find freq limits by menu > settings > device info, scroll to band limits
149	user dropped AnyTone, hit floor on mic jack with mic in it, does not work, possible broken internal part, what is best next step to fix?	N2ELG	2020-01-19	OPEN	no good solution
150	Does anyone use bluetooth to connect mic/headset and what kinds of issues arose if any	N1QFH	2020-01-19	OPEN	can only bond one item to car, n2elg, kk4yk also uses bt, AF4FA 2 vwrions had earlier versions
151	has anyone had an issue with TYT9600 freezing up and how resolved, what was root cause	N2ELG	2020-01-19	OPEN	N2ELG had new cp and parm issue new firmware did not support, used old cp for anyone resolved it
152	has anyone using a kenwood speaker mic had any issues with any of the common radios we use for DMR etc?	N1QFH	2020-01-19	COMPLETE	suggestions? n2elf - icon jack has narrow fit, some non-branded, af4fa - suggest ck impedance for mic, some 600 low some 5k makes difference, 8ohm or 4ohm speaker, match to radio, when using parrot 9990 is private not group, and 31000,
153	TYT 9600 ISSUE, sent to USA locked, need file to unlock,	KK4YG	2020-01-19	COMPLETE	
154	issue with anytone 878/578 using aprs and gps, not able to get it working	KK4YG	2020-01-19	OPEN	
155	all different cps and addaptors, unque issues	N1QFH	2020-01-26	OPEN	
156	hamcartion review	N1QFH	2020-02-09	OPEN	purchases, dmr related, learnings
157	review how to get pi-star update to 4.0	N1QFH	2020-02-09	OPEN	
158	pi-star pw how discover/recover	N1QFH	2020-02-09	COMPLETE	
159	how to migrate tyt380 to anytone 868	N1QFH	2020-02-09	OPEN	need to keep script

ID	TOPIC	SUB BY	DATE	STATUS	COMMENTS
160	regardless of HH, always send tg-4000	N1QFH	2020-02-09	COMPLETE	will free up by timeout, avoid hearing 2 TGs
161	for anyone, the orange panic button, who's using it and how	N1QFH	2020-02-09	OPEN	af4fa: man down button, pf3 key monitor
162	pro/com of nagoya ant vs anyone mfg ant	N1QFH	2020-02-09	COMPLETE	NOT MUCH DIFF, WATCH OUT FOR KNOCK OFF NAGOYA, LONGER IS BETTER
163	is there a longer last battery pack for the TYT, Anytones, etc that could give over 3k mAh	N1QFH	2020-02-16	OPEN	
164	tyt-2017 any suggestions on firmware and codeplug updates?	N1QFH	2020-02-16	OPEN	battery guy at hamcaton <a href="https://batteriesamerica.com/">https://batteriesamerica.com/</a>
165	if forget pi-start password how do you rediscover or reset?	N1QFH	2020-02-16	COMPLETE	AF4FA: reburn image
166	FYI: AURSINC Vector Network Analyzer 50KHz -900MHz HF VHF UHF Antenna Analyzer Measuring S Parameters, Voltage Standing Wave Ratio, Phase, Delay, Smith Chart	N1QFH	2020-02-16	FYI	good device on amazon
167	on anyone ex d868 how do you mute the bottom vfo like the tyt-uv380 does?	N1QFH	2020-02-23	OPEN	P1-DEACTIVE VFO,
168	WA2VNV looking to borrow the CS-7xx programming cable	WA2VNV	2020-02-23	COMPLETE	
169	2 tg come up at same on repeater	WA2CLP	2020-02-23	COMPLETE	FIFO, WAIT 5 SEC
170	in uv380 how to turn tones on/off unkey green lit there is no tone, how do you add tone	AF4FA	2020-02-23	OPEN	
171	tyt380/9600 - how to turn down tone vol	WA2VNV	2020-02-23	COMPLETE	AF4FA - USE CPS TYT UHF 380 1.41

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172	Can you have a hotspot running at your home qth and have another one running at an away location. I just set up a second hotspot and can't seem to get it to communicate with the network. My hotspot at home is working fine.	N1QFH	2020-02-27	COMPLETE	I have multiple RF Shark openSPOT devices running at various locations (homes and auto). With hotspots one normally enters their personal DMR ID (e.g. 3125039). However, do NOT put the exact same DMR ID into multiple hotspots that are on the network simultaneously. To differentiate, add a two-digit suffix number to the ID to make them unique (e.g. 312503901, 312503902, etc.). This will avoid network issues with having the same ID on from multiple active hotspots. Hope this helps, Barry Baines, WD4ASW (Keller, TX) in pistar go to DMR ESSID: set dmrid and use drop down seq id
173	If DMR is so great, why aren't Kenwood, Yaesu, and Icom on board?	N1QFH	2020-03-01	FYI	"Yaesu has alluded to plans to enter the Amateur DMR market on their website and Kenwood has announced DMR models for Europe.  K8BQ - STD IN EU AND PROP RTS HAS LAWSUITS, HYTERA VS MOTO"
174	how to change mic level on tyt	AF4FA	2020-03-01	COMPLETE	USE CPS 1.41 for uhs tyt radio, on right is drop down with mic level setting
175	how to keep current version of cps to match firmware and radio	N1QFH	2020-03-01	COMPLETE	AF4FA: HE USES SAVE CP NAME IT WITH MODEL,VER OF CPS, DATE,
176	I often find myself stuck in a TG with a long conversation with no breaks between folks chatting. I try to sneak a Disconnect in but generally end up TX-ing in the same talk group.  Is there a setting in Pi-Star that decreases the time when the last signal is received and when I can issue a disconnect? I thought that RF / Net Hangtime might be the answer but was not sure about changing those.	KD2NOM	2020-03-08	COMPLETE	AF4FA: BM CONFIG NEAR TOP MMDVM CONFIG DMR MODE SET TO BEYND, RF HAND TIME AND NET HAND TIME CAN BE ADJUSTED, 20S EACH BECAUSE IF HAVE MULTIPLE MODES NEED HIGH ENOUGH SO SO NOT SWITCH MODES, IF ONLY IS DMR CHANGE RF HAND AND NET HAND TO LOWER LEVELS EG RF = 3S AND NET HANG TIME 4SEC, GOES TO LISTEN MODE AND GET N BEFORE OTHER PERSON PICKS UP. ALLOWS TO RESPONSE QUICKER



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177	<p>Using Pi-Star 4.1.0-RC8 with MMDVM_HS on a Pi 3 Model B and an AnyTone UV878 Plus.</p> <p>I have tweaked txoffset and rxoffset as well as txpower - however the best BER I seem to get on TX is 0.4%</p> <p>Are there other settings I should be adjusting? I'd like to get to 0.0 BER if possible.</p>	KD2NOM	2020-03-08	COMPLETE	<p>The setting I gave you for the tx and rx offset were only to get you in range, take them up or down by 5 and watch the change, I have a Tytera MD 380 and Yaesu FT70 D that will only get my ber low by adjusting only the rx offset. The lowest ber I can get on the FT 70 D is .01 and the Tytera .02. Play with it and see if theres an improvement, if not change it by 10 either direction, get it to the lowest and adjust by 1 until you determine the lowest possible ber. No 2 radios are as like as you would expect them to be, the 130 was a starting point. Best of luck Rick N9UMJ, AF4FA: 0.4 IS VERY GOOD NOT WORRY ABOUT IT, IS LIKE SWR OF 1.0 OR LESS THAN 1.0</p>
178	<p>Tired of a 20mw hotspot that only working in the same room. Want to use your hotspot around town, this is the unit for you. This mmdvm hotspot will run conventional CLI mmdvm or Pi-Star. This mmdvm is presently configured running Pi-Star on a 25w Motorola M10 single channel UHF radio. The M10 is of the Motorola Radius GM300 family. No hacking in the radio as all necessary connections are on the accessory connector. The mmdvm hotspot is plug and play presently on 438.1125 at 20w output. If you are going to monitor very busy TG's you may want to put some air on the heatsink. I will provide a Clicks-On switch with the sale to control a fan. This mmdvm became surplus when I purchased a MTR2k mmdvm board for my MTR2000's and was in service until I swapped it out. Includes: Motorola M10 UHF Mobile Radio ZUM Radio mmdvm ver 1.01 with necessary cables and connectors Raspberry Pi 8GB SDcard - With Pi-Star installed Clicks-On switch \$270 Shipped - CONUS</p>	K1IMD	2020-03-08	FYI	
179	<p>radiodity dmr cp ch metro could not hear them, rcv grp, did not,</p>	KM4UJP	2020-03-08	COMPLETE	

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180	Any way of accessing the pistar dashboard when im away from home?	N1QFH	2020-03-11	COMPLETE	W4NQR: chrome remote desktop access pc from remote, use chrome pw KM4UJP: confirmed, WA4VNV: crt audio drivers? TeamViewer RF access following: <a href="https://forum.pistar.uk/viewtopic.php?t=1346">https://forum.pistar.uk/viewtopic.php?t=1346</a>
181	How do you find the IP address to access pistar remotely	N1QFH	2020-03-11	COMPLETE	see above
182	how do you use PI-STAR REMOTE	N1QFH	2020-03-11	COMPLETE	see above
183	How can I check if the Australian Brandmeister DMR server is down?...Is there a URL I can check?....I am using a Jumbospot MMDVM from Ebay	N1QFH	2020-03-15	COMPLETE	David GM8ARV: The IP address I have is 125.63.63.112. I can PING that, but on the Web I get an error page: <a href="http://125.63.63.112/cgi-sys/defaultwebpage.cgi">http://125.63.63.112/cgi-sys/defaultwebpage.cgi</a>

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184	Difference between DMR Tier 1, DMR Tier 2	N1QFH	2020-03-15	OPEN	<p>And it has 3 different DMR standards: DMR Tier 1, DMR Tier 2, DMR Tier 3. Today we are going to say the difference between DMR Tier 1 and Tier 2.</p> <p>DMR Tier 1 features:</p> <ol style="list-style-type: none"> <li>1.It uses 446 MHz frequency band in Europe and US,licence free band.</li> <li>2. ETSI specification defines two time slots in 12.5 KHz channels as per TDMA structure.</li> <li>3. The DMR Tier-1 devices transmit maximum power of 0.5Watt. It mean the power limit to 0.5W.</li> <li>4. Works in Direct Mode (Radio-to-Radio).</li> <li>5. Tier 1 DMR devices are best for individuals, recreation, small retail, or other situations that do not require wide area coverage.</li> </ol> <p>DMR Tier 2 features:</p> <ol style="list-style-type: none"> <li>1. It uses 66 to 960 MHz frequency band. License Need.</li> <li>2. This licenced band is used for mobile phones and conventional radio systems.</li> <li>3. DMR Tier-2 is direct replacement for analog conventional radio.</li> <li>4. This mode can use repeater to extend the radio coverage.</li> <li>5. This mode is used for high power transmission devices.</li> </ol> <p>So Tier 1 and Tier 2 radios actually should be able to talk to each other fine if you put them on the same frequency but because tier 1 radios are only able to work on the pmr446 frequencies you have to program your tier 2 radios to work on the same frequencies to be cable to talk to a tier 1 radio.</p>

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185	Myths about DMR (MOTOTRBO): DMR is not compatible with analogue	N1QFH	2020-03-15	COMPLETE	Simply not true, Motorola has a number of solutions which allow analogue and MOTOTRBO radio to interoperate and, in some cases, use the same system. MOTOTRBO radios have the ability to scan an analogue and digital channel for activity – this ensures the radio user does not miss any calls on either system. MOTOTRBO repeaters can be configured to operate in Dynamic Mixed Mode (DMM) which allows the repeater to switch between analogue and digital, depending on what signal has been received. A number of Motorola Application Partners have easy to use solutions which allow the interconnection of almost any communication system, to a MOTOTRBO system.
186	Switching to DMR is difficult to implement	N1QFH	2020-03-15	FYI	Since the MOTOTRBO radios and repeaters support dual mode (analogue and digital) operation, the process of migrating customers from a purely analogue system, to a purely MOTOTRBO system, is uncomplicated. The rollover to digital can be implemented in phases and can be completed with virtually no disruption to communications. Also, since MOTOTRBO uses existing PMR frequencies, no new spectrum licences are required (only a change to the ITU modulation code) and the existing RF infrastructure (i.e. filtering and antennas) can be reused.
187	Switching to DMR will increase coverage	N1QFH	2020-03-15	FYI	Although the Forward Error Correction in MOTOTRBO radios, will increase the readability of received transmissions in weak signal conditions, there will be no improvement in coverage compared to analogue.

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188	Switching to DMR will eliminate or suppress interference	N1QFH	2020-03-15	FYI	DMR is not the magic bullet. If you are experiencing (or are perhaps causing) interference in analogue mode, you will still have interference (intermodulation) in digital mode. The only thing that will change is the symptom: interference in digital mode sounds different to interference in analogue mode.
189	You can have multiple repeaters on the same frequency pair (just use different colour codes)	N1QFH	2020-03-15	FYI	DMR is not the magic bullet. The inability of operating two repeaters on the same frequency has nothing to do with DMR but is rather down to plain physics of RF. If two repeaters have overlapping coverage, they should use different frequencies. If there is a small amount of overlap, and the area where the overlap occurs is of little consequence (i.e. on a mountaintop where few/no users go), then the two sites can be segregated by colour code. Remember that in the area where the radio will either miss calls or produce garbled audio, if it receives two signals at the same time (a.k.a. doubling). At least one manufacturer produces DMR infrastructure, which apparently supports simulcast operation but this is beyond the scope of this Blog.
190	DMR is owned by Motorola	N1QFH	2020-03-15	COMPLETE	DMR is a standard produced by ETSI. Motorola, along with a number of other companies (who also produce DMR equipment) were contributors to the standard but Motorola does not own the standard. MOTOTRBO is DMR but that is as far as it goes. The manufacturers of DMR equipment however, have agreed to use the ABME2+ vocoder algorithm from DVSI Inc. - ABME2+ is licensed by DVSI Inc.

ID	TOPIC	SUB BY	DATE	STATUS	COMMENTS
191	Setting up a MOTOTRBO system is complicated	N1QFH	2020-03-15	COMPLETE	No, setting up a MOTOTRBO system is just as difficult as setting up an analogue system. There is the MOTOTRBO System Planner; Motorola Solutions training and (of course) this Blog and my YouTube channel.
192	DMR requires specialist test equipment	N1QFH	2020-03-15	FYI	Not entirely true, your existing analogue Communications Analyser can still be used to test MOTOTRBO radios. The radios have a built-in Test Mode, which allow you to perform all the necessary tests in analogue mode on predefined frequencies. For details about the radios' RF Test Mode, refer to the relevant Basic Service Manual. Similarly, your existing power/SWR meter can still be used to check antennas – simply put the radio into Test Mode and check the forward and reflected power there. The power or SWR can also be checked while the radio is in digital mode, however some meters will only show half the true power because of the TDMA transmission. Some power meters will give erroneous readings (needle will jump around) and therefore the antenna should be checked in analogue mode.
193	What is a trunked radio system	N1QFH	2020-03-15	OPEN	A trunked radio system is a digital two-way radio system that uses a digital control channel to automatically assign frequency channels to groups of users. In a half-duplex land mobile radio system a group of users with portable two-way radios communicate over a single shared radio channel, with one user at a time talking. FMI: <a href="https://en.wikipedia.org/wiki/Trunked_radio_system">https://en.wikipedia.org/wiki/Trunked_radio_system</a>
194	Kenwood DMR NX-1000: any pro / con	N1QFH	2020-03-15	OPEN	

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195	how to connect with NE ECCOM group via DMR-MARC Canada/Can-Trbo want to join VT TG-3150.	N1QFH	2020-03-22	OPEN	Under DMR+ Network Options, options line enter talkgroups TS1_1=302; TS2_1=3029;TS2_2=3181;TS2_3=3150 Check the IPSC2-CAN-TRBO web page: <a href="http://207.35.36.178/">http://207.35.36.178/</a> and select the 'Service' tab on the left margin - this should display your settings relative to others. <a href="https://mail.google.com/mail/u/0/?tab=rm&amp;ogbl#inbox/FMfcgxwHMPmVqWFcHNgwDxbTdspmJBzp?projector=1&amp;messagePartId=0.1">https://mail.google.com/mail/u/0/?tab=rm&amp;ogbl#inbox/FMfcgxwHMPmVqWFcHNgwDxbTdspmJBzp?projector=1&amp;messagePartId=0.1</a> accesspi expeet and add ip to tell pi that that address exists
196	anytone has 3 hi pitch beep / tone, when release ptt and someone else keys up, not all the time,	K1MPI	2020-02-22	OPEN	
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