

Note: These instructions assume you already have DMR up and running on your hotspot.

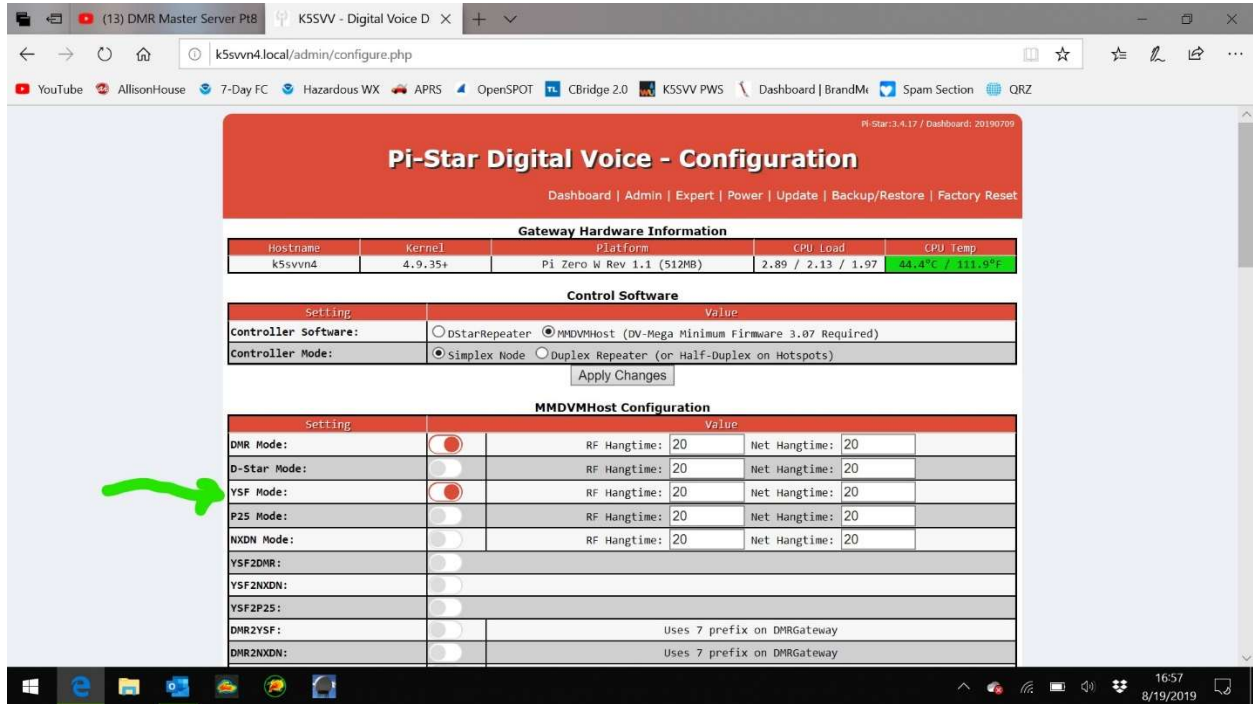
Adding YSF to your Pi-Star Hotspot:

Log in to Pi-Star

Click on “Configuration”

Click the “YSF Mode” slider button

Click “Apply Changes”



Pi-Star Digital Voice - Configuration
Dashboard | Admin | Expert | Power | Update | Backup/Restore | Factory Reset

Gateway Hardware Information				
Hostname	Kernel	Platform	CPU Load	CPU Temp
k5svvn4	4.9.35+	Pi Zero W Rev 1.1 (512MB)	2.89 / 2.13 / 1.97	44.4°C / 111.9°F

Control Software	
Setting	Value
Controller Software:	<input type="radio"/> DStarRepeater <input checked="" type="radio"/> MMDVMHost (DV-Mega Minimum Firmware 3.07 Required)
Controller Mode:	<input checked="" type="radio"/> Simplex Mode <input type="radio"/> Duplex Repeater (or Half-Duplex on Hotspots)

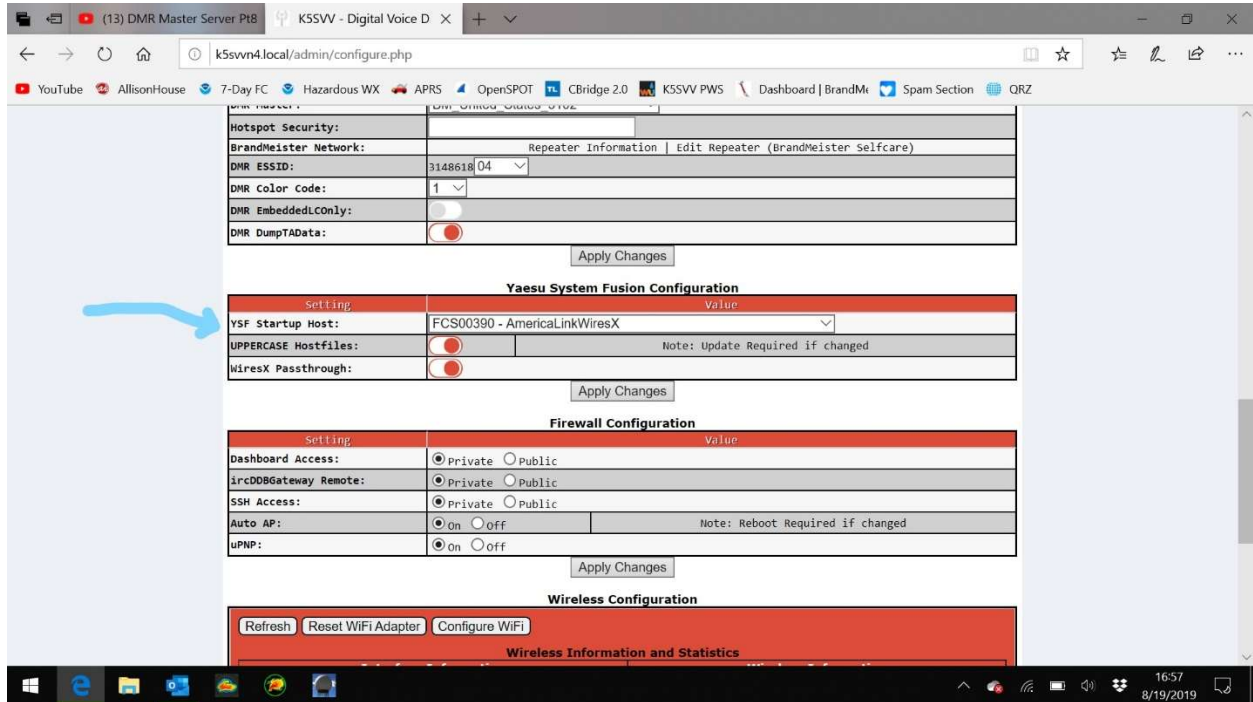
Apply Changes

MMDVMHost Configuration				
Setting		Value		
DMR Mode:	<input checked="" type="checkbox"/>	RF Hangtime: 20	Net Hangtime: 20	
D-Star Mode:	<input type="checkbox"/>	RF Hangtime: 20	Net Hangtime: 20	
YSF Mode:	<input checked="" type="checkbox"/>	RF Hangtime: 20	Net Hangtime: 20	
P25 Mode:	<input type="checkbox"/>	RF Hangtime: 20	Net Hangtime: 20	
NXDN Mode:	<input type="checkbox"/>	RF Hangtime: 20	Net Hangtime: 20	
YSF2DMR:	<input type="checkbox"/>			
YSF2NXDN:	<input type="checkbox"/>			
YSF2P25:	<input type="checkbox"/>			
DMR2YSF:	<input type="checkbox"/>		Uses 7 prefix on DMRGateway	
DMR2NXDN:	<input type="checkbox"/>		Uses 7 prefix on DMRGateway	

The hotspot will soft reset. This might take a minute or so...be patient.

When the hotspot comes back scroll down the Configuration screen.

You will see a new section called “Yaesu System Fusion Configuration”



Use the YSF Startup Host drop down list to select “FCS00390 – AmericaLinkWiresX”

Click “Apply Changes”

The hotspot will soft reset.

Once hotspot comes back...

Go back to the "Dashboard" screen.

You will see that DMR and YSF are both active on the Zumspot.

You should start to see DMR and YSF connections showing up in the Dashboard.

Hostname: k5svv4 Pi-Star:3.4.17 / Dashboard: 20190709
Dashboard | Admin | Configuration

Modes Enabled

Mode	Status
D-Star	DMR
YSF	P25
YSF2DMR	NXDN
DMR2YSF	POCSAG

Network Status

Network	Status
D-Star Net	DMR Net
YSF Net	P25 Net
YSF2DMR	NXDN Net
DMR2YSF	YSF2P25

Radio Info

Trx	434.000000 MHz
Rx	434.000000 MHz
FW	ZUMspot:v1.4.17
TCXO	14.7456 MHz

DMR Repeater

DMR ID	3148618
DMR CC	1
TS1	disabled
TS2	enabled
TG	3148/No Ref

Gateway Activity

Time (CDT)	Mode	Call Sign	Target	SPC	Dur(s)	Loss	BER
16:54:47 Aug 19th	DMR Slot 2	KE5SDI	TG 3148		1.2	0%	0.0%
16:54:18 Aug 19th	YSF	VE6AVK	ALL at FCS003-90		1.7	0%	0.0%
16:53:51 Aug 19th	YSF	AE7HF	ALL at FCS003-90		14.3	0%	0.0%
16:53:11 Aug 19th	YSF	K1A4U	ALL at FCS003-90		37.4	0%	0.0%
16:48:13 Aug 19th	YSF	AMERI	ALL at FCS003-90		0.6	0%	0.0%
16:47:42 Aug 19th	YSF	N3TG	ALL at FCS003-90		0.7	0%	0.0%
16:46:52 Aug 19th	YSF	PE1GX	ALL at FCS003-90		0.4	0%	0.0%
16:46:12 Aug 19th	YSF	W9CTB	ALL at FCS003-90		0.8	0%	0.0%
16:45:52 Aug 19th	YSF	WA2PAY	ALL at FCS003-90		0.9	0%	0.0%
16:44:18 Aug 19th	YSF	KE6WKP	ALL at FCS003-90		19.5	0%	0.0%
16:43:44 Aug 19th	YSF	VA2NT	ALL at FCS003-90		0.7	0%	0.0%
16:43:33 Aug 19th	YSF	NF3E	ALL at FCS003-90		0.4	0%	0.0%
16:42:25 Aug 19th	YSF	W4SLT	ALL at FCS003-90		5.2	0%	0.0%
16:39:21 Aug 19th	YSF	K6TFJ	ALL at FCS003-90		0.3	0%	0.0%
16:35:51 Aug 19th	YSF	N1MHV	ALL at FCS003-90		81.8	0%	0.0%
16:32:42 Aug 19th	YSF	PD3PVD	ALL at FCS003-90		1.7	0%	0.0%
16:32:22 Aug 19th	YSF	N1MTH	ALL at FCS003-90		0.3	0%	0.0%
16:30:53 Aug 19th	YSF	KE8TGF	ALL at FCS003-90		0.2	0%	0.0%
16:27:51 Aug 19th	YSF	2E6HVM	ALL at FCS003-90		1.6	0%	0.0%
16:27:30 Aug 19th	DMR Slot 2	KN6BJC	TG 31075		0.5	0%	0.0%

Local RF Activity

Time (CDT)	Mode	Call Sign	Target	SPC	Dur(s)	BER	RSSI
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Yaesu Radio Setup:

Tune your Yaesu radio to whatever frequency you programmed into PiStar for DMR

Press the DX button on your radio to change the transmit mode to DN.

That's it. You should begin to hear folks in the Americas Link Room! It stays busy almost all day. All you have to do to talk to them is key up.

To turn off YSF:

Log in to Pi-Star

Click on "Configuration"

Click the "YSF Mode" slider button to off

Click "Apply Changes"

That's it. If you change your mind and want to turn YSF back on just click the slider back on and click "Apply Changes." The Americas Link selection should still be there.