

DV4mini



Dom DiClementi, N3DD

DV4mini

- USB Digital Hotspot
 - Similar to D-Star DVAP
- Incorporates a 70cm Transceiver (12mW)
- Developed in 2015 by 3 German Hams – Helitron
 - <http://www.helitron.de>
 - Available in the US in November 2015
- US Distributor - Wireless Holdings, LLC
 - <http://wirelesshold.com/>
 - Price \$129 (less antenna)

DV4mini

- Compatible with:
 - System Fusion C4FM
 - D-Star
 - DMR
 - P25
- Must have a radio for each mode
- Plug and Play – USB
 - No Port forwarding or Static IP needed
 - Need a DMR number (Registration)

DV4mini

- Requires Windows 7 or higher
 - Need Visual C++ 2013 Redistributable installed
 - No driver installation required
- No MAC
- Will also run on Raspberry Pi
 - Image available
- Works with mini PC/Tablet

DV4mini

DV4mini Control Panel (Stick ID: F5-14-0A V201.64 @ 127.0.0.1)

DV ControlExpert SettingsRSSIReflector InfoFW UpdateInfo

CPU 8 cores: 3 %


Personal Settings


DMR/CCS7 ID: 3142193

Hotspot Callsign N3DD D

Location (City) Newtown, PA

QTH Locator: FN20NG



Internet Data Quality: 

DV4mini Settings

☐ D-Star☒ C4FM

☐ DMR+☐ P25

☐ DPMR (experimental)

Power: 0 12mW 12

RX-QRG: 446.125 MHz

TX-QRG: 446.125 MHz

SIMPLEX

C4FM Fusion

United States of America

FCS001

FCS002

00

01

02

03

04

05

06

07

CONNECTDISC.

Linked Calls

KB2NYC

KC2WCB

KC6SOT

KL4C/R

LA9KY

NOYSQ

N7RRB

NU3S

OH6GFR

VE5RNP

W4EDP

WB7OEV

KC2ABV

KC4COP

KK4DIV

LA9JFA

N0YSQ

N3DD

N8NJ

OE9IMJ


VE3KNI

W2SJW

W9WRL

WW4UW

☐ Message☒ Calls☐ Picture

S-Meter: 

-100 dBm

18:02:59,400 (0000): DV4mini ... Connect request to C4FM/P25 FCS00106

18:02:59,400 (0000): C4FM ... Disconnected from C4FM/P25 Reflector

18:02:59,400 (0000): DV4mini ... N3DD D 3142193 F 446125000 446125000 qth:FN20NG town:Newtown, PA

18:02:59,400 (0000): ADF ... set RX / TX qrg: 446124800 / 446124800

18:02:59,400 (0000): DV4mini ... set mode: Fusion

18:02:59,666 (0266): C4FM ... Connect to C4FM/P25 Reflector FCS00106

18:02:59,666 (0000): DMR ... Set Dongle ID:#3142193/N3DD

18:02:59,760 (0094): C4FM ... Connected to C4FM Reflector: FCS00106


18:03:00,400 (0640): ADF ... set RX / TX qrg: 446124800 / 446124800


connected to FCS001-06 CCS7

C4FM mode

...

DV4mini

 DV4mini Control Panel (Stick ID: F5-14-0A V201.64 @ 127.0.0.1)

CPU 8 cores: 2 % 

DV Control | Expert Settings | RSSI | Reflector Info | FW Update | Info

☒ local mode (Stick on this PC) ☐ network mode (search for sticks in network)

Network Settings

DV4minis found: 127.0.0.1 :13921 [F5140A] connected

IP:Port [SN] Status

☒ auto connect

☐ use HAMNET IPs

☐ fixed IP/URL :

Misc. Settings

Language / Sprache: ☒ English ☐ Deutsch

Transmit Buffer Size [s]: 1.0

D-Star & DMR

☐ accept your own callsign only

DMR

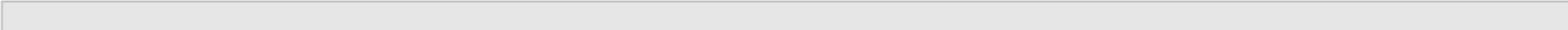
DMR - QRG Correction [HZ]: -200

choose nearest DMR Master:

C4FM

☐ gateway for C4FM repeater call:

C4FM Repeater Call:

S-Meter:  -105 dBm

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18:02:59,400 (0000): DV4mini ... Connect request to C4FM/P25 FCS00106
18:02:59,400 (0000): C4FM ... Disconnected from C4FM/P25 Reflector
18:02:59,400 (0000): DV4mini ... N3DD D 3142193 F 446125000 446125000 qth:FN2ONG town:Newtown, PA
18:02:59,400 (0000): ADF ... set RX / TX qrg: 446124800 / 446124800
18:02:59,400 (0000): DV4mini ... set mode: Fusion
18:02:59,666 (0266): C4FM ... Connect to C4FM/P25 Reflector FCS00106
18:02:59,666 (0000): DMR ... Set Dongle ID:#3142193/N3DD
18:02:59,760 (0094): C4FM ... Connected to C4FM Reflector: FCS00106
18:03:00,400 (0640): ADF ... set RX / TX qrg: 446124800 / 446124800
```

connected to FCS001-06 CCS7 N7RRB

DV4mini

- Uses it's own Reflectors for Fusion
 - FSC001 100 Rooms (Worldwide) Germany
 - FSC002 50 Rooms (USA) Florida
- **Does not connect to WIRES -X**
- Uses same Reflectors for D-Star and DMR +
- Can be used as a bridge to WIRES-X

DV4mini

x - NET FCS001 Dashboard | Reflector Status and Control

Fusion Reflector System by DG1HT

Status System v0.1 | FCS Server v0.1_64Bit

HOME	Group	Group Nr	DTMF
	Repeater	00	A100
USER	Deutschland	01	A101
	World Wide	02	A102
INFO	Switzerland	03	A103
	Denmark	04	A104
	Great Britain	05	A105
	United States of America	06	A106
	Netherlands	07	A107
	South korea	08	A108
	Austria	09	A109
	Sweden	10	A110
	Belgium	11	A111
	Portugal	12	A112
	Norway	13	A113
	Australia	14	A114
	Test System	15	A115
	Brazil	16	A116
	Canada	17	A117
	Spain	18	A118
	Czech	19	A119
	Slovakia	20	A120

DV4mini

x - NET FCS001 Dashboard | Reflector Status and Control

Fusion Reflector System by DG1HT

Status System v0.1 | FCS Server v0.1_64Bit

HOME	Nr.	CALL	Last Heard	Name	Group
USER INFO	1	GB7RY	6 s	Great Britain	05
	2	DB0LFH	32 s	Deutschland	01
	3	IZ0QWM	34 s	Italy2	27
	4	F1ZFK	48 s	in use	59
	5	DO4MAC	1 m	Deutschland	01
	6	W1KFR	1 m 3 s	SoCal Link Society	70
	7	K4WZV	1 m 8 s	in use	43
	8	WA2FAA	1 m 24 s	in use	43
	9	N3DD	1 m 26 s	SoCal Link Society	70
	10	OE8XKQ	1 m 30 s	Austria	09
	11	W8UFO	1 m 31 s	SoCal Link Society	70
	12	HB3YZE	1 m 41 s	Austria	09
	13	DO2BL	1 m 51 s	Deutschland	01
	14	KD6IOW	1 m 56 s	SoCal Link Society	70
	15	OE6XDG	2 m 8 s	Austria	09
	16	DB0PAS	2 m 20 s	in use	68
	17	KK4DIV	2 m 23 s	United States of America	06
	18	W0JPJ	3 m 20 s	ECHO	99
	19	N3CAL	3 m 28 s	United States of America	06
	20	JA0MLZ	3 m 47 s	Japan	21

DV4mini

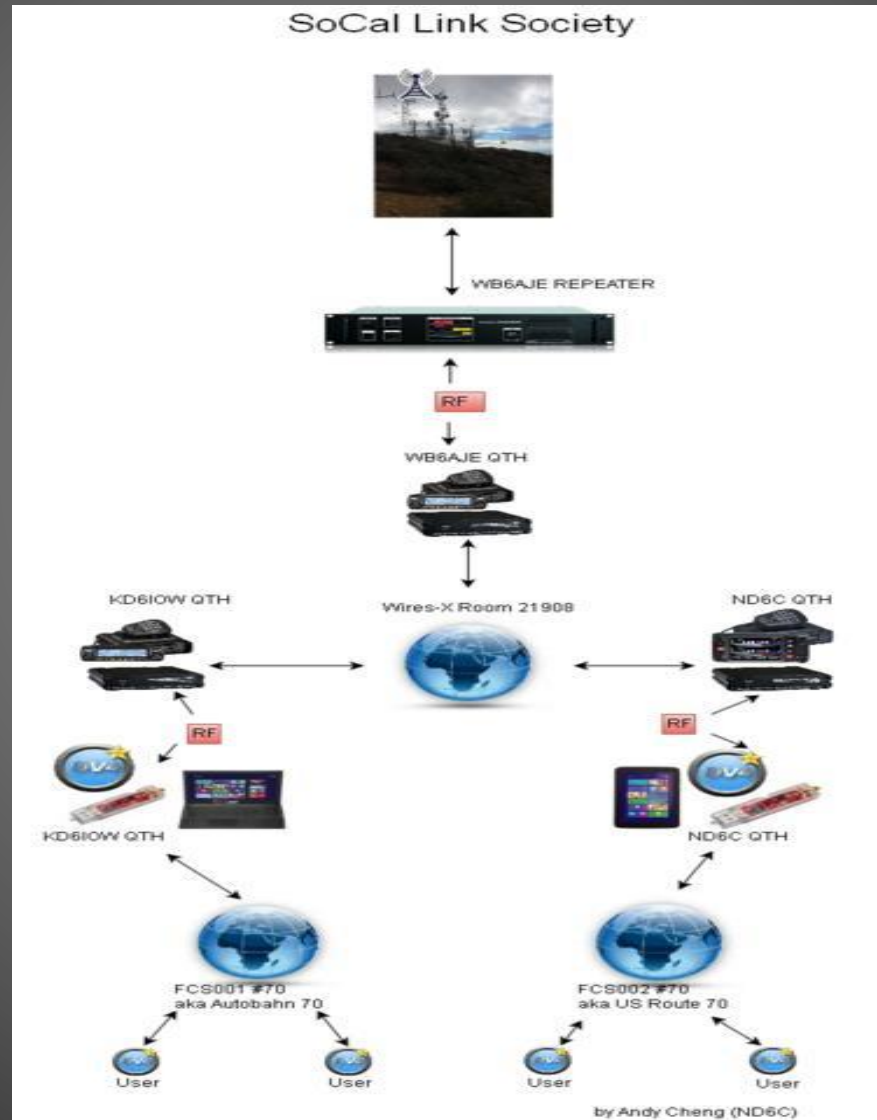
x-NET FCS001 Dashboard | Reflector Status and Control

Fusion Reflector System by DG1HT

Status System v0.1 | FCS Server v0.1_64Bit

HOME	NR	CALL	Group	LOGINTIME	ID	TX_QRG	RX_QRG	QTH	SYSTEM-ID	Netz
USER	01	N3DD	FCS001 70	Sun Mar 27 20:30:59 2016	3305001	436.0000	436.0000	FK68KK	02016459E164	Internet
	02	KJ6HUP	FCS001 06	Sun Mar 27 18:50:45 2016	3106307	436.0000	436.0000	DM06DS	020164F450C8	Internet
INFO	03	DO4MAC	FCS001 01	Sun Mar 27 11:22:29 2016	2624994	433.4750	433.4750	JO31NM	00016462AB99	Internet
	04	IW2KPM	FCS001 27	Fri Mar 25 14:06:25 2016	2222171	433.5000	433.5000	JN55BQ	000164631886	Internet
	05	LA9GHA	FCS001 13	Sun Mar 27 18:21:11 2016	2426005	433.8875	433.8875	JP51FC	00016462B09E	Internet
	06	OE1XQU	FCS001 09	Sun Mar 27 20:26:49 2016	2321001	430.7625	438.3625	JN88EG	0001618D6B25	Internet
	07	DB0NDS	FCS001 56	Sun Mar 27 17:58:17 2016	262314	431.0500	438.6500	JO53KB	000164631684	Internet
	08	DG1FBA	FCS001 87	Sun Mar 27 18:05:33 2016	2625005	433.8000	433.8000	JO30XL	00016463248E	Internet
	09	SP8NTH	FCS001 26	Sun Mar 27 18:45:51 2016	2605047	434.5500	434.5500	KO11SN	000164F2795B	Internet
	10	OM0OUE	FCS001 19	Sun Mar 27 18:04:23 2016	2314002	431.5500	439.1500	KN08PQ	000164F31861	Internet
	11	2E1VAR	FCS001 55	Sun Mar 27 07:11:14 2016	2351811	439.6000	439.6000	IO80IS	00016462AEA1	Internet
	12	W0JPJ	FCS001 99	Sun Mar 27 20:24:41 2016	3127040	447.5000	442.5000	EN16PV	0201645A412D	Internet
	13	GI6IRL	FCS001 55	Sun Mar 27 17:35:22 2016	2355019	438.6000	438.6000	IO64VL	00016458FC5E	Internet
	14	WW4UW	FCS001 06	Sun Mar 27 01:35:44 2016	3112704	435.0000	435.0000	EL89TB	020164F4911C	Internet
	15	K3XT	FCS001 70	Sun Mar 27 05:24:03 2016	3112464	436.0000	436.0000	EL99FX	02016459DD5A	Internet
	16	IS0FFD	FCS001 27	Sun Mar 27 07:59:12 2016	2220174	436.0000	436.0000	JN40GR	000164635252	Internet
	17	JA9MIZ	FCS001 21	Sun Mar 27 14:58:00 2016	4409004	430.8600	430.8600	PM86KN	020164F46E9B	Internet
	18	KB3VXB	FCS001 27	Sun Mar 27 17:27:15 2016	3142207	446.0500	446.0500	JO55AA	020164F541B7	Internet
	19	HB9EKI	FCS001 01	Sun Mar 27 16:34:07 2016	2289014	435.5000	435.5000	JN47TJ	0001616367D9	Internet
	20	G0BVZ	FCS001 02	Sun Mar 27 19:59:49 2016	2351469	438.6750	438.6750	JO55AA	00016440EEA5	Internet
	21	VK4TUX	FCS001 55	Sun Mar 27 20:34:19 2016	5054035	450.0000	450.0000	OG62EI	000164E25801	Internet

DV4mini



DV4mini

- Bridged Rooms (that I know of!)
 - FSC001 70 California
 - FSC001 27 Italy
 - FSC002 02 Alabama
 - FSC002 81 Canada
- Let's Try it!!

Other Configurations



What's New?

DV4home



More Information

- DV4mini Yahoo Group
- DV4mini Blog – Pascal, VA2PV
 - <http://dv4mini.blogspot.com/>
- YouTube