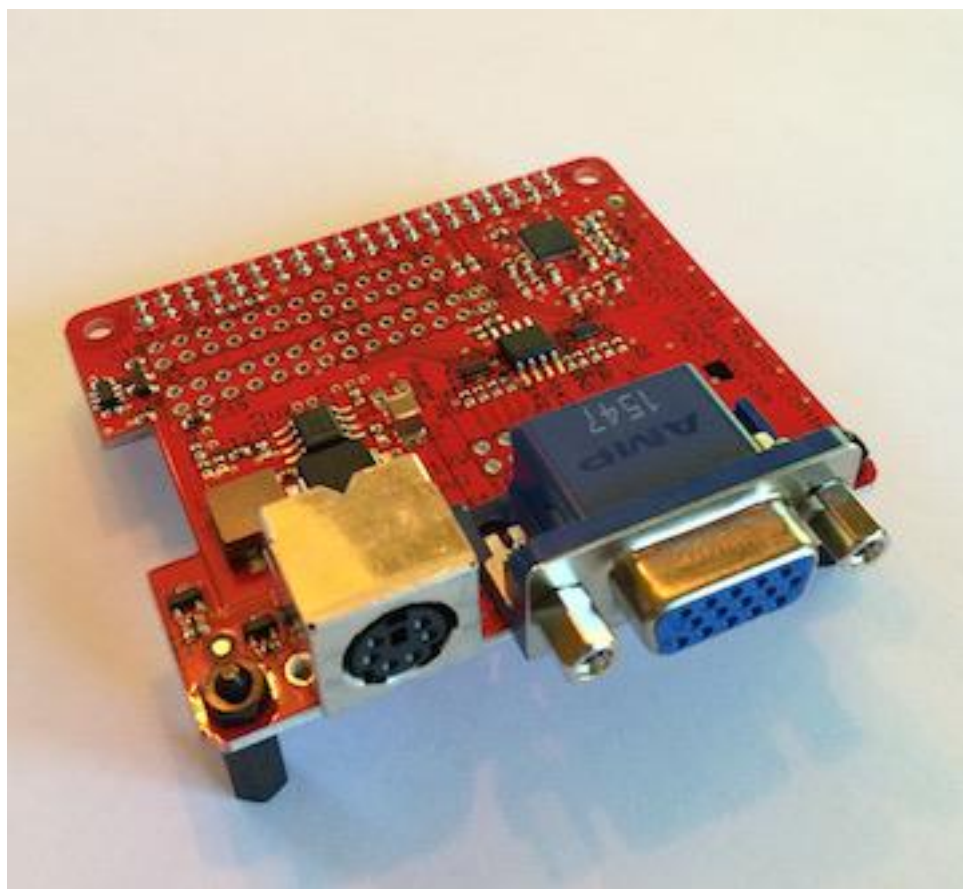


Hello and Welcome to the newsletter.

We promote DV Radio you can experiment with and offer much more than just using the PTT.  
Lift your level of knowledge and learn at your own pace.

**NW Digital new product**

Universal Digital Radio Controller.



The UDRC is a Raspberry Pi HAT containing all of the necessary hardware to directly interface to a radio or repeater.

Direct Connection to the Yaesu DR1-X Repeater is available with the supplied Cable and adds D-STAR Capability to your Fusion Repeater.

Alternatively the Mini DIN-6 Cable can be used to connect to the Data Port on a standard FM Mobile Radio

<http://nwdigitalradio.com/wp-content/uploads/2012/04/UDRCDS.pdf>

DV4 Home. Lastest DV device.

<http://wirelesshold.com/dv4home-2.aspx>



### HOTSPOTS Update – John ZL2TWS

Built your own Odroid C1 and XU4 D-Star image.

Download the instructions here: <http://zl2vh.org.nz/d-star/hotspot/>

There is also Kiwi D-Star images, including dashboard, pre-built and available for download from John ZL2TWS. Order a custom built image with your call sign and QTH information included.

Here is what the desktop of the C1 image looks like.



Here is what the included dashboard looks like.

**(DG9VH) Kiwi D-Star Dashboard hosting ZL2TWT. Lubuntu 14.04 LTS on Odroid C1+ CCS7 (530)1073. Contact-E-Mail for remote control password. Kiwi D-Star Image Update version 16th May 2016]**

Contact-E-Mail: [zl2tws@clear.net.nz](mailto:zl2tws@clear.net.nz)

Gateway:

Location	Latitude/Longitude	IrcDDB Gateway Server	APRS-Host
Lower Hutt, Wellington, NZ	-41.208611 174.926389	rr.openquad.net	aprsnz.aprs2.net

Ircddb: DCS, DExtra, DPlus, D-Rats, Info, Echo, Log

System Info:

CPU-Temperature	CPU-Frequency	4-Core-System-Load	CPU-Usage Since Startup	Odroid Powered Uptime	4-Core-CPU-Idle-Time
51 °C	312 MHz	4.3 %	20.4%	38 minutes, 26 seconds	35 minutes, 52 seconds

Repeaters:

Repeater	Module	Frequency Shift	Antenna Height Coverage Range	Latitude Longitude	Default reflector	@Startup Reconnect
1	B	431.25000 0.0000 MHz	8.000 m a.g. 20.000 Km	-41.208611 174.926389	XRF063 B	No Never
2	D	0.00000 0.0000 MHz	0.000 m a.g. 0.000 Km	0.000000 0.000000		No Never

Links (incoming):

Repeater	Linked to	Link Type	Protocol	Last Change (UTC)
ZL2TWT B			not connected	
ZL2TWT D			not connected	

Links (outgoing):

Repeater	Linked to	Link Type	Protocol	Last Change (UTC)
ZL2TWT B			not connected	
ZL2TWT D			not connected	

Remote Control:

Repeater:	ZL2TWT B
Link-Target:	
Preset-Target:	please choose
Reconnect after:	never
Password:	
<input type="button" value="Submit"/>	

## CCS7 (Call Connection System 7)

The following list of stations that are working at the time of publication.

Please try them. You can check each hotspot dashboard to verify your connection.

ZL2ARN (530)1082  
ZL1SB (530)1091  
ZL2JML (530)2009  
ZL2SFM (530)1072  
ZL2RO (530)1109  
ZL2NSA (530)2018  
ZL3CHD (530)3049  
ZL1HN (530)1074  
ZL2TWS (530)1011  
ZL2TWT (530)1073

**NOTE:** If your call sign is missing from this list and you want to be included please let us know.

## How to contribute to this newsletter

The newsletter is published in the first week of each month.

Send any articles and pictures sized no larger than 200kbs to one of the contacts listed below.

The close off date is the **last day** of each month.

Auckland and Hamilton is Brian ZL1HN ([zl1hn@extra.co.nz](mailto:zl1hn@extra.co.nz))

Tauranga is Kevin ZL1KRH ([zl1krh@ihug.co.nz](mailto:zl1krh@ihug.co.nz))

Hawke's Bay region is Jan ZL2CZE ([jan.s@eastek.co.nz](mailto:jan.s@eastek.co.nz))

Wellington region is John ZL2TWS ([zl2tws@clear.net.nz](mailto:zl2tws@clear.net.nz))

Christchurch is Mike Barnes ZL3TMB ([mike@barnes.net.nz](mailto:mike@barnes.net.nz))

Invercargill and ZL4 is Daniel ZL4DE ([zl4de@icloud.com](mailto:zl4de@icloud.com))

**Hint:** Each month useful links will be placed on the last two pages of the newsletter so you always know where to go quickly to find them.

**facebook page called ZL DSTAR** <https://www.facebook.com/groups/184445028555391/>

### **Repeater Gateways with dashboards:**

**Auckland.** <https://zl1vhd.dstar.org.nz/> (Dplus)

**Auckland.** <https://zl1hk.dyndns.org> (Dplus)

**Auckland.** <http://zl1akd.ddns.net:82> (ircDDB)

**Hamilton.** <http://zl1cct.d-star.nz> (ircDDB) CCS7 8530100

**Tauranga.** <http://222.154.227.90:81> (ircDDB) CCS7 8530001

**Te Puke.** <https://zl1ibd.dstar.org.nz> (Dplus)

**Hawke's Bay.** <http://zl2hbd.ddns.net:82> (ircDDB) CCS7 8530002

**Wellington.** <http://123.255.47.67> (dual dashboard with Dplus below the ircDDB) CCS7 8530304

**Wellington.** <https://123.255.47.67> (Dplus only dashboard)

**New Zealand Reflector XRF063.** <http://162.248.141.148>

### **Other sites for reference information:**

**ZL2VH Web site.** <http://zl2vh.org.nz/d-star/>

<http://zl2vh.org.nz/d-star/gateway/>

**KiwiD-Star group.** <https://groups.yahoo.com/neo/groups/KiwiD-STAR/info>

### **Examples of Simplex hotspots with dashboards that you can view and connect to this month:**

ZL2DRN (<http://zl2arn.dyndns.org:82>)

ZL2JML (<http://zl2jml.ddns.net:82>)

ZL2NSA (<http://zl2nsa.ddns.net:82>)

ZL3CHD (<http://zl3chd.ddns.net:83>)

### **ZL Host lists**

ZL gateways and hotspots.

On the Branch 63 site you can retrieve the host files at any time. They are small text files.

<http://zl2vh.org.nz/d-star/links/>

Title is "ZL Gateways and Hotspot Host files"

Alternatively here. <http://zl2vh.org.nz/assets/d-star-hosts/>

### **ircDDB Visibility**

For those who want to be visible on the ircDDB "live" list.

<http://www.ircddb.net/live.htm>

Do the following from this URL:

<http://ircddb.net/live-vis.html>

UR:VIS ON and then transmit once.

Then revert the UR:CQCQCQ



Once you transmit via an ircDDB enabled gateway using RF your call sign will be seen to be live on the dashboard and also listed on the ircDDB “last heard” list on the local dashboard.

Previous issues of this newsletter are available from <http://zl2vh.org.nz/d-star/newsletter/> or the KiwiD-Star Yahoo group.  
[https://groups.yahoo.com/neo/groups/KiwiD-STAR/files/D-Star Newsletters/](https://groups.yahoo.com/neo/groups/KiwiD-STAR/files/D-Star%20Newsletters/)

### **D-Star Net to join**

<http://www.dstarinfo.com/nets.aspx>

Friday afternoon at 16:00 REF012A **PAPA D-Star round table net** is a technical net and well worth joining. The net runs for 3 hours or more and has a “shout box” type web forum you can also contribute to. <http://d-star-roundtable.boards.net/>

### **Editor Note:**

Always have a D-Star newsletter available for lookup of gateways and hotspots.  
Really helps when you can’t remember where to go or haven’t programmed in the destination call yet.

73 and good DV.

John ZL2TWS.