



## \*\*\* QDG DIGIPEAT November 2013 \*\*\*

Digipeat is the Official Newsletter of the Queensland Digital Group  
Incorporating 'Amateur Eye', the Official Newsletter of the  
South East Queensland Amateur Television Group

### September General Meeting

The November QDG general meeting will be held on Friday November 15 at the Chermside Library, meeting Room 1.

The doors will open at 7:00pm for a meeting start of 7:30pm; if you arrive late, please push the buzzer for entry.

The library is near the shops on the corner of Hamilton Rd and Kittyhawk Dr (enter from Kittyhawk Dr).

Location map:

<http://my247.com.au/brisbane/Chermside-Library.6803>

A composite image for the South East Queensland ATV Group Inc. It features a color calibration chart with various colored squares and a grayscale pattern. Text includes:

- South East Queensland ATV Group Inc.**
- VK4RMG** Digital ATV Repeater
- Incorporating** **VK4RMG**
- VK4RTW**
- VK4RGO**
- As part of the ATV Digital Network*
- PO Box 3,**  
**Chermside 4032**

On the left side, there are two smaller images:

- A yellow waveform labeled **23cm FM ATV**.
- A green waveform labeled **23cm DATV** and **446.5Mhz DVB-T**.

### NEWS FROM THE SEQATV GROUP

#### New web site Live

Please check out the new Web site for the latest information and contact details.

<http://seqatv.org/>

## Five tips for lightning protection

Lots of people, including my wife, like thunderstorms. They think they're peaceful. All I can think about is lightning hitting my antennas.

<http://blog.amateurradiosupplies.com/five-tips-for-lightning-protection/>



## Satellite predictions and more

<http://www.heavens-above.com/>

## October 29, 1969: Happy 40th Birthday to a Radical Idea!

On the evening of October 29, 1969 the first data travelled between two nodes of the ARPANET, a key ancestor of the Internet.

<http://www.computerhistory.org/atcm/october-29-1969-happy-40th-birthday-to-a-radical-idea/>

## UT-100 USB DVB-T Transmitter/Receiver

USB based modulator/demodulator with support for EN 300-744 DVB-T transmission and reception.

[http://www.hides.com.tw/product\\_cg74469\\_eng.html](http://www.hides.com.tw/product_cg74469_eng.html)

## RF Explorer — Handheld RF Spectrum Analyzer

RF Explorer is a new series of low-cost, portable, RF spectrum analyzers designed by Arocholl that are available in a variety of frequency ranges.

<http://rfexplorer.com/models/>

## CuBox: A Powerful PC Small Enough To Compete With Raspberry Pi

There are actually 4 tiers of the CuBox pocket computer, and they are the CuBox-i1, CuBox-i2, CuBox-i2Ultra and CuBox-i4Pro

<http://www.bitrebels.com/technology/cubox-pc-pocket-computer/>

## Lightbeam for Firefox: Privacy Education for Users & Open Data for Publishers

Lightbeam is an add-on for Firefox that brings to light the array of first and third party companies people interact with everyday across the Web.

<https://blog.mozilla.org/blog/2013/10/25/lightbeam-for-firefox-privacy-education-for-users-open-data-for-publishers/>

## flightradar24

Live air traffic

<http://www.flightradar24.com/>



## DJ5AR

Amateur Radio Station in Mainz, Germany

Frank, DL2ALF has written an amazing tool for aircraft scatter prediction, called AirScout.

Positions of planes are shown in a map like at <http://planefinder.net> or

<http://www.flightradar24.com>,

but in addition the path and the part of it, where planes could be seen from both stations will be marked.

<http://www.dj5ar.de/?p=606>

## Two Guys Build Insane Touchscreen Holodisplay In 11 Hours

Soon we will probably have holodecks in our homes.

<http://www.bitrebels.com/technology/touchscreen-holodisplay-build/>

## Windows 8.1: An Excellent Update, But Not A Seamless Installation

Microsoft still couldn't help to introduce a few unnecessary hurdles in installing the update.

<http://www.bitrebels.com/technology/windows-8-1-not-seamless-installation/>



# ULTIMATE BOOT CD

Ultimate Boot CD is completely free for the download

If you have a PC, you need this.

<http://www.ultimatebootcd.com/>

## The AMSAT-UK FUNcube Handbook

The FUNcube Handbook

Published by AMSAT-UK November 2013 FUNcube Flight model and Engineering model

The FUNcube project is being undertaken by a team of (less than 10) experienced volunteers drawn from radio amateur members of AMSAT-UK, AMSAT-NL and others and is part funded by the Radio Communications Foundation - a Registered Charity.

[http://funcubetest2.files.wordpress.com/2010/11/funcube-handbook-en\\_v1.pdf](http://funcubetest2.files.wordpress.com/2010/11/funcube-handbook-en_v1.pdf)

## NEW DESIGNS - YAGI DESIGNS BY G4CQM

These latest designs are a continuation of my AOWA (Advanced OWA) work.

<http://g4cqm.www.idnet.com/NEW%20DESIGNS/index.html>

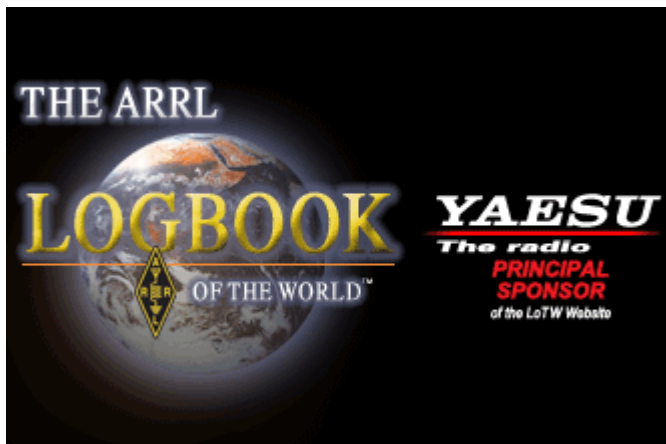
## A Standard for an SDR to External Programs Interface

Jonathan Naylor, G4KLX

Until now there has been no standard for connecting an external program, such as a data modem program, to an SDR program. Existing solutions usually consist of using something similar to VAC (Virtual Audio Cable) and a loopback serial port on Windows, and Jack and a pseudo-tty on Linux.

This has evolved from the use of such programs with hardware radios. While this approach works, it would be much easier if there was a more direct way to allow this connection

<http://www.crosscountrywireless.net/A%20Standard%20for%20an%20SDR%20to%20External%20Programs%20Interface.pdf>



## LOTW Instructions

<http://www.arrl.org/instructions>

## SIM-PSK31

Station radio-amateur ON4NB new digital communications software

<http://www.on4nb.be/sim#English>



At LCWO you can learn Morse telegraphy (CW) online in your browser. You don't need to install a program on your computer, and you always have your personal settings available, from any computer on the globe with an internet connection. You can also easily track your progress by means of different statistical functions.

<http://lcwo.net/>

## ACMA Radcom Database

Register of Radiocommunications Licences

[http://web.acma.gov.au/pls/radcom/register\\_search.main\\_page](http://web.acma.gov.au/pls/radcom/register_search.main_page)

## 2m SSB

Sunshine Coast 2m SSB net

19:30 Sundays on 144.4 MHz

Don't just use your equipment on field days, come up on air every Sunday.

## New 13CM repeater

The Sunshine Coast 23CM FM voice repeater is now on air.

Tx 1293.3 MHz Rx 1273.3 MHz

91.5 Hz tone

This can be accessed from Brisbane

## SEQATV Club Net

Wednesday nights

7:30 PM EST on VK4RAX 147.075 MHz repeater

## 2013 / 2014 dates

### Wyong Field Day

February 23 2014

<http://www.ccarc.org.au/wp/ccarc-field-day/>

### PR4AmateurRadio Expo

April 11-13, 2014

The WIA is strongly behind this Expo which harnesses its many affiliates as they showcase the benefits of modern amateur radio and engage the community.

<http://www.wia.org.au/members/promoting/pr4ar/>

### 2014 WIA AGM and Conference

May 17 & 18, 2014

Hosted by the Sunshine Coast ARC

<http://www.vk4wis.org/>

## Contests 2013 / 2014

Spring VHF-UHF Field Day 2013 - 23/24 November

Summer VHF-UHF Field Day 2014 - 11/12 January (date to be confirmed)

<http://www.wia.org.au/members/contests/vhfuhf/>

## QDG information

### QDG meeting dates 2013

November 15

December 6 (Combined SEQATV Group QDG meeting, meeting Room 1)

Unless otherwise noted, QDG group general meetings are held on the third Friday on the month at the Chermside Library, Meeting Room 1.

The doors will open at 7:00pm for a 7:30pm start; if you arrive late, please push the buzzer for entry. The library is near the shops on the corner of Hamilton Rd and Kittyhawk Dr (enter from Kittyhawk Dr).

Location map:

<http://my247.com.au/brisbane/Chermside-Library.6803>

### QDG Membership

QDG Membership is presently free.

As of June 2012 the QDG has 59 members.

Information and a list of members are up on the web site <http://www.qdg.org.au/qdgmemb.htm>

Membership forms are on the web site.

### QDG Membership services

Members receive additional 'Digipeat Extra' emails and invitations to other club activities not included in the Digipeat newsletter.

### Sound Card to Radio Interface

This computer to radio interface can be used for any audio mode including voice.

The SCI provides isolation to remove earth loops as well as providing switching and level adjustment.

Contact Richard VK4ZA on 07 3376 5231, email [richatkn@tpg.com.au](mailto:richatkn@tpg.com.au) or via the QDG web site.

Please contact Richard if you are interested in a dual interface PC board or a mark 2 version with modified connections.

### QDG club contacts

Club contact: Alan Wills VK4NA

Digipeat Editor: Alan Wills VK4NA

Web site: Alan Wills VK4NA

Web site hosting: Tim O'Donohoe

Supper: Alan Wills VK4NA

JOTA: Richard VK4ZA

Phone: Alan Wills VK4NA after hours on 61 07 3351 1673

Twitter @VK4NA

Email: [qdg@qdg.org.au](mailto:qdg@qdg.org.au)

Web site: <http://www.qdg.org.au>

Digipeat <http://www.qdg.org.au/qdgdigi.htm>

## South East Queensland ATV group Information

### SEQATV meeting dates 2013

December 3 (Combined SEQATV Group QDG meeting)

Unless otherwise noted, SEQATV group general meetings are held on the first Tuesday on the month at the Chermside Library, Meeting Room 1.

The doors will open at 7:00pm for a 7:30pm start; if you arrive late, please push the buzzer for entry. The library is near the shops on the corner of Hamilton Rd and Kittyhawk Dr (enter from Kittyhawk Dr).

Location map:

<http://my247.com.au/brisbane/Chermside-Library.6803>

### SEQATV group Membership

SEQATV group Membership is set at the AGM, please contact the secretary for the current fee. The membership fee remains at \$20.00 for 2013

### SEQATV group Membership services

Members receive additional 'Amateur Eye Extra' emails and invitations to other club activities not included in the Digipeat or Amateur Eye newsletters.

### SEQATV Club Net

Wednesday nights

7:30 PM EST on VK4RAX 147.075 MHz repeater

### The SEQATV group Officers

#### **Elected officers:-**

President: Arnold Youngberg VK4SU

Secretary: Peter Schrader VK4EA

Treasurer: Richard Cardon VK4XRL

#### **Coopted Officers:-**

Technical Officer: Danny Granger VK4KI

Callback Officer: Peter Jones VK4YAC

Vice President: Alan Wills VK4NA



Additional coopted officers will be added as required.

## SEQATV group Contact Information

South East Queensland Amateur Television Group

PO Box 3, Chermside Qld 4032, Australia

Amateur Eye (club mag) Phone: Alan Wills VK4NA after hours on 61 07 3351 1673

Email: [secretary@seqatv.org](mailto:secretary@seqatv.org)

Web site: <http://www.seqatv.org/>

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Enjoy your hobby!

73 Alan VK4YAR / VK4NA

\*\*\* Queensland Digital Group \*\*\*

\*\*\* SEQATV group \*\*\*

\*\* Supporting Radio Communications in VK4 \*\*