Fast Light Digi

fldigi

flrig

Multi-mode / Multi-OS

- This suite of programmes is available for
  - Linux
  - Windows
  - Macintosh (OS X)

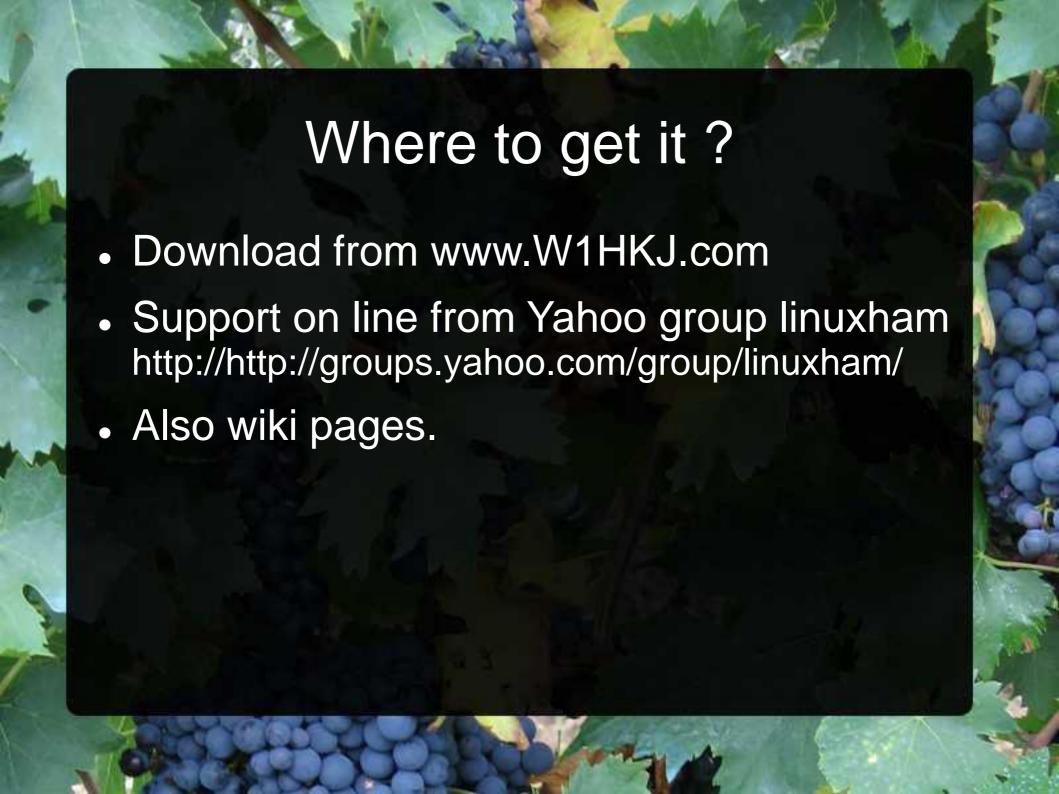# What is fldigi ?

- A digital mode transceive and logging programme.

- Modes such as

  - PSK

  - FeldHell

  - MT63

  - Contestia

  - Olivia

  - RTTY

Full rig control

- Fldigi includes rig control
- Flrig complements fldigi and increases the flexibility in rig control

Where to get it ?

- Download from www.W1HKJ.com

- Support on line from Yahoo group linuxham
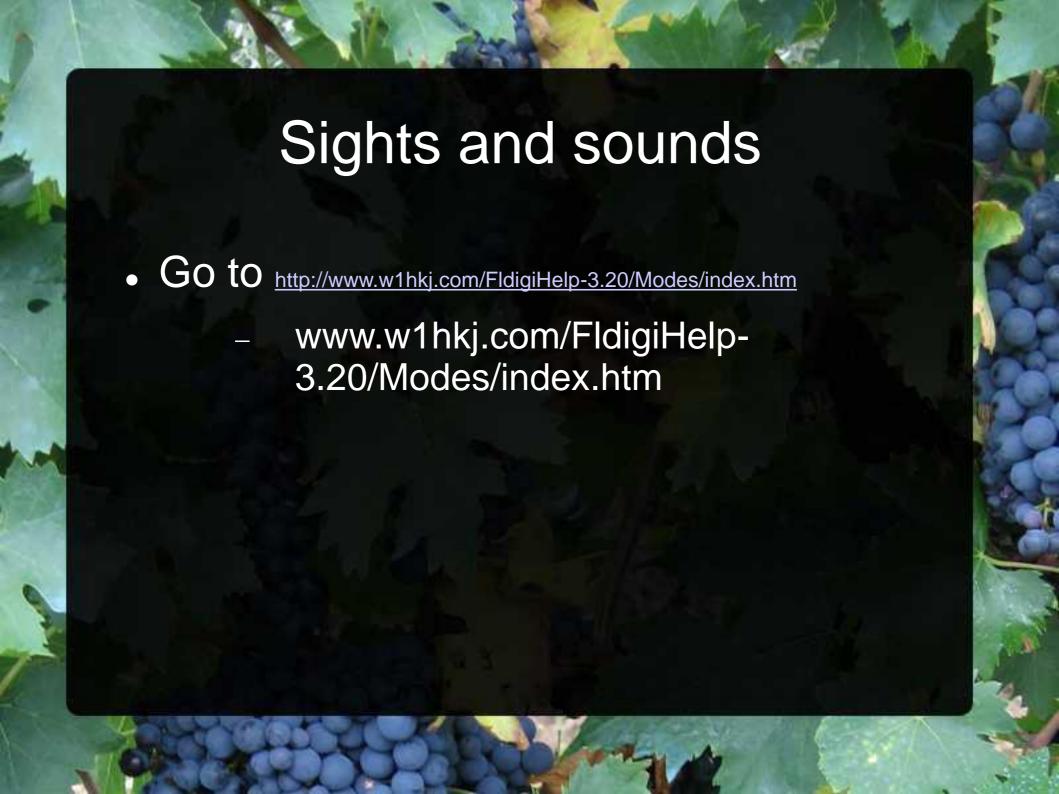 http://http://groups.yahoo.com/group/linuxham/

- Also wiki pages.

Strengths and Advantages

- Well supported by the authors and at the Yahoo group

- Full public domain software, all source code freely available e.g. for Linux 64 bit will have to compile yourself

- Ask for feature and may well be implemented e.g.

    – Increasing number of macro developments

    – Additional modes

Next Steps of Action

- Demo and try it for yourself

  - Basic requirements – computer

- Are there any Got-yous ?

  - Rig interface

    - Sound card

    - Computer control

  - Main line (recommended) or beta or alpha versions (note: the Linux repositories are *not* up-to-date)

Sights and sounds

- Go to http://www.w1hkj.com/FldigiHelp-3.20/Modes/index.htm

    - www.w1hkj.com/FldigiHelp-3.20/Modes/index.htm

Installation

- Download and install the set up programme

- Download country, LOTW and eQSL files and copy to the appropriate directory.

- Set up the sound card, and check levels

- Set up the CAT rig control

- Confirm TX levels (do NOT overdrive)

- Get on the air

Rig control

- Options
  - Hamcat
  - RigCAT (need to appropriate download XML file from W!HKJ web site)
  - Flrig with XML-RPC
- Settings
  - Check baud rate, stop bits, echo (Icom) and "write delay" in particular
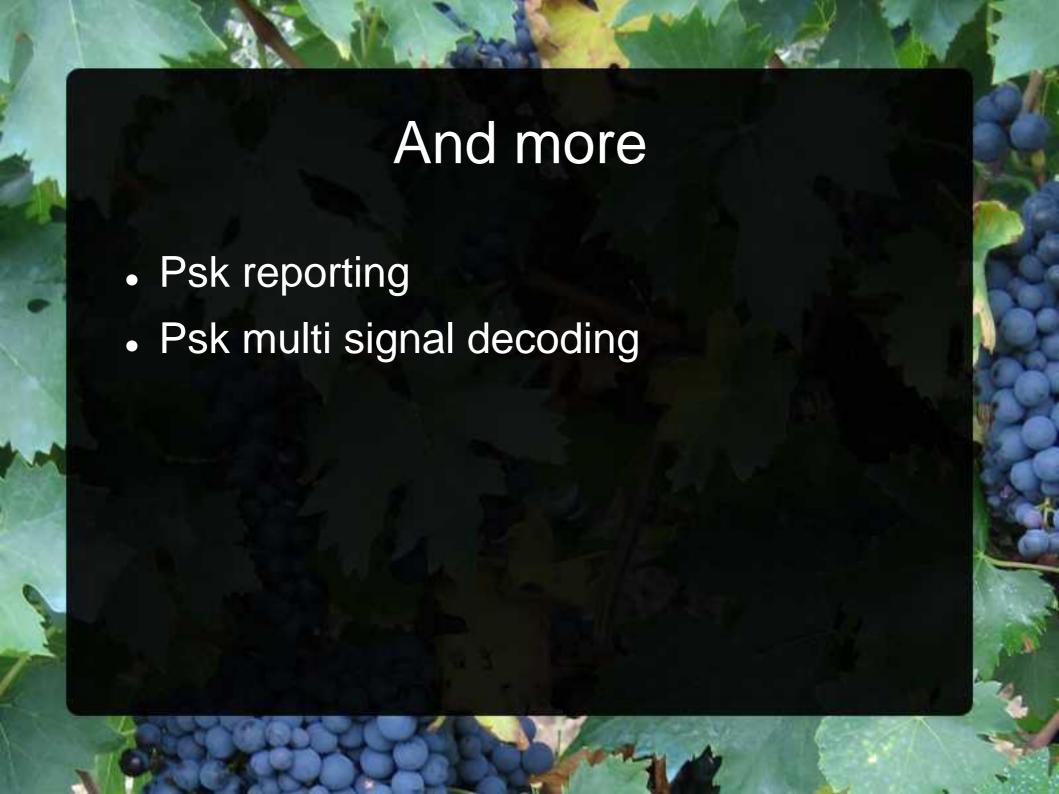
Logging

- Integrated log programme with export as ADIF, text or CSV

- Interfaces with CQRlog (Windows) and Xlog in Linuz, and others

- Multiple log books, dupe checking and contest fields.

Other smarts

- Works with QRZ, online or CD, and hamcall.net

- QRZ also through web browser

- Works with Google maps to show location when QTH locator is available

- RSID and Video ID

- Shows and can log azimuth

What else

- Rotator control is missing

- Integration for message handling using flmsg and flwrap

- Split operation, save frequencies

- Simplified interface option

- Frequency analysis

- WWV mode to set sound card frequencies

And more

- Psk reporting
- Psk multi signal decoding

more on rig control

- Hardware PTT and RTTY option
    - Option to use direct control, needs additional interfacing
    - Option to send transmit tone (PTT) on right audio channel
    - Or separate serial port
- RTS and DTR
    - Can turn these on/off for use or set high