



# DX4Win

# Advanced Workshop

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**Halifax Amateur Radio Club**

**2009 Workshop Series**

**Thursday, April 9<sup>th</sup>, 2009**

# Agenda

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- **Sorting the Log QSOs**
- **Group Names** - What are they? How are they used?
- **Filters / Selections**
- **Multiple QSO Operations**
- **Labels - Selecting and Printing**
  - Confirm Label F2 Key usage
- **Preferences**
  - Radio setup
  - Radio control
  - CW
  - RTTY
  - External Data (F3)
  - Reports & QSL Card Greeting setup
- **Upgrading to latest software version**

**DX4WIN 7.02.15 VE1DHD Howard Dickson**

File Radio Help

16:20

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**VE1DHD sorted by Date**

QSO Sort Filter Labels Window Reports Rotator

**United States of America** W: 269° 2,788Km

Callsign Prefix Date Time Mode Band  
**KD4MDC** W 28/11/2006 19:32 SSB 20m

rstS rstR Recvd Zone State County Grid  
**59 59** [ ] 5 [ ] [ ] [ ]

Notes for this Call QSL Mgr  
**Dale|HERBERT DALE DOWELL|10609 PARK AVE|** [ ]

Notes for this QSO IOTA  
 [ ] [ ]

Label QSL Date Method Cnfm QRP YLop Satellite  
**N** / / **Buro** **N** **N** **N** -----

**KD4MDC**

Date	Time	Band	Mode	Conf	QSLDate	Groupname
28/11/06	19:32	20m	SSB	N N		2006 General C

**Info: W**

Heading Long Path Reciprocal  
**269° 89° 66°**

Sun Rise Sun Set  
 Local **10:25 22:22**

DX **12:37 00:34**

**United States of America**

	160	80	40	30	20	17	15
PHO	W	C	C	W	C	C	
RTTY	-	W	W	-	C	-	

Zone = 5

	160	80	40	20	17	15
PHO	W	C	C	C	C	C
RTTY	-	W	W	C	-	W

**World Map**

Zoom Projection Draw  
Options Find

3, Dist= 12398 KM, 95 degrees

**17/03/2009 16:07**

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**DX spots [DXCC] sorted by Priority**

P	Freq	Callsign	Time	QSL	Remarks

**Report: LogBook sorted by Date**

Number	Band	Date	Time	Mode	Callsign
10547	17m	28/11/06	19:12	SSB	PJ2/GORTI
10548	17m	28/11/06	19:28	SSB	WD4PFM
10549	20m	28/11/06	19:32	SSB	KD4MDC

**Packet Window**

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1 SH/DX 2 20 3 17 4 15 5 12 6 10 7 40 8 80

Start | Presentations | Microsoft PowerPoint - [D... | **DX4WIN 7.02.15** | 12:20

# Sorting the Log

- QSO Window > Sort
  - now select the way you want the QSOs to appear in the Log Window
    - i.e. - by Date Time select <Date>

# Group Names

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- Usage
  - Identifying a group of QSOs with a common parameter - i.e. all QSOs from a specific contest or all general contacts made in 2009
- Creating a Group Name
  - QSO > Filter > Edit Group Names
  - Type name of filter in entry field - for example CQ WPX 2009 > ADD > OK
  - The new name is added to the bottom of the list

# Group Names

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- Applying Group Names
  - Adding a group name to each logged QSO
    - File > Preferences > QSO > Group
      - Enter the number for the group name that you want to apply to each logged QSO - i.e. 2009 General Contacts
    - File > Save Changes and Exit
  - Adding a group name to a number of previously logged contacts
    - See Multiple QSO Operation - pg. 13

# Group Names

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- Adding a specific Group Name to a log that is being imported, say from a contest logging programme like N1MM  
i.e. CQ WPX Test 2009
- **FIRST** - make a backup copy of your log
- **File > Preferences > QSO > Group Name** (enter the number corresponding to the Group Name for the contest data that is being imported then **> Save & Exit**)
- **File > Import/Export**
- **Import/Export Filters - File > Import** (identify the ADIF log file for that contest and import it.)
- **NOW** - go back to Preferences and reset the Group Number to the number for your normal 2009 contacts

# Filters

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- **Simple Filter Search**
  - **F8 in an active QSO entry window**
  - **can search using any of the data fields**
  - **? = wild card**
    - **VE?DHD will match VE1DHD; VE3DHD but not VE1HD or VA1DHD - ASSUMING you have your search filter set for “Exact” see File > Preferences >QSO | Callsign = Exact**
  - **! = does not (negative) & used as first character**
  - **Esc will cancel the filter and allow all QSOs in log to be seen**



# Filters

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- Using Selection
  - **NOTE** - User expertise level must be set at Advanced or Expert
  - Used to break the log up into sections or to extract a group of QSOs based on either:
    - date or date range of QSO and/or
    - Group Name

# Filters

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- Using Selection (cont'd)
  - QSO > Filter > Selection > ADD
    - under Current Selection - **All QSOs** will be replaced by **Change This Name**
    - Now go down and check off Group Filter and/or Date Filter box
    - If searching for one or more groups, scroll through group name list and check off the ones you want (double left click)
    - If searching for a date range enter range
    - Click UPDATE > OK
  - Getting back to **ALL QSOs** in log
    - Current Selection > All QSOs > OK

# Filters - how to use results

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- Having filtered out a specific group of QSOs you could:
  - export them as an ADIF file for submission to eQSL.cc or LotW
  - identify a range of QSOs that you want to print QSL labels for - see page 14
  - use them in a Multiple QSO Operation Function - see next page

# Multiple QSO Operation

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- If you want to apply a change to a number of QSOs:
  - FIRST - do a backup of your data file and then reopen the original file
  - Create a Filter to select that range of QSOs
    - this could be a date range or one or more groups
  - QSO Window| QSO > Multiple QSO Operation
  - Select from the list the operation to be performed
  - Now save the file - this will save the changes you have made.

# Printing Labels

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- Identify the QSOs to be used & set the QSO Label field to Y (yes)
  - use filter to select a range of QSOs, or
  - use F2 Key (appropriately programmed to mark individual QSOs for printing)
    - File > Preferences > F2 Key > Labels (set to Yes) & select QSL route (Buro or Direct ect.)

# Printing Labels

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- QSO Window
  - Labels > Print QSL Labels
  - Select:
    - Current Label Type (I have created a custom label for use with Avery 08460 6.7x2.5cm labels)
      - Edit - to edit label settings (see pg. 16)
    - If some labels on sheet have been used - select for Missing Labels
    - Print (prints labels)
    - Mark All (marks QSOs as QSL sent on specific date)
    - Close

**DX4WIN 7.02.15 VE1DHD Howard Dickson**  
 File Radio Help  
 13:51

**VE1DHD sorted by Date**  
 QSO Sort Filter Labels Window Reports Rotator

**Argentina**  
 Callsign Prefix Date  
 LU5ALU LU 13/07/96

rstS rstR Recvd Zone State  
 57 47 13

Notes for this Call  
 LU5ALU | John | Buenos A

Notes for this QSO

Label QSL Date Method  
 N 13/07/1996 Buro

**LU5ALU**

Date	Time	Band	Mode
13/07/96	21:15	10m	SSB


**DX spots [DXCC] sorted by Prior**

P	Freq	Callsign	Time	QSO	Remarks

1 SH/DX 2 20 3 17 4 15 5 12 6 10 7 40 8 80

**Info: LU**  
 Heading Long Path Reciprocal

**World Map**  
 Zoom Projection Draw  
 Options Find  
 29S, Dist = 6704 KM, 152 deg  
 13/04/2009 13:35



**Label Editor**

Label name: Custom1  
 Units: Inch  
 Label width: 2.750  
 Label height: 1.000  
 Nr across: 3  
 Nr down: 11  
 Horz pitch: 2.750  
 Vert pitch: 1.000  
 Spacing left: 0.000  
 Spacing top: 0.000  
 Horz shift: 0.000  
 Vert shift: 0.000  
 Paper size: Letter  
 Max QSOs: 0  
 Portrait

Options:  
 Commercial  
 Use lines  
 Call right aligned

Copy Preview OK Cancel

Call sign font: Arial  
 Body font: Arial

# CW Setup – Rig Keying

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## Note:

Rig keying is entirely rig-dependent and often fraught with problems. As a source of specific-to-situation solutions, consult the DX4WIN Reflector archives and your rig mfr's e-group.

## Procedure:

1. Select keying line (DTR or RTS) from CW Preferences (see pg. 19)
2. Determine communications baud rate
3. Set these parameters into Preferences/CW screen
4. Set the same parameters into Preferences/Radio
5. Access radio menus and set in same parameters
6. Ensure you have the correct interface cable between the rig and the computer!



# CW Setup – Using the keyboard

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## Procedure:

1. Open the CW Keyboard window from the Window menu
2. Right click in the window to find out your options regarding speed, etc.
3. Type directly into the message window or use pre-set function keys as desired.

**WARNING from Gary VE1RGB!!!!**

**Do not use rig keying. It will ruin your fist. :-)**

**DX4WIN 7.02.15 VE1DHD Howard Dickson**  
 File Radio Help  
 13:57

**VE1DHD sorted by Date**  
 QSO Sort Filter Labels W  
**Argentina**  
 Callsign Prefix  
**LU5ALU LU**  
 rstS rstR Recvd Zone  
**57 47 13**  
 Notes for this Call  
**LU5ALU | John | Bu**  
 Notes for this QSO  
 Label QSL Date Meth  
**N 13/07/1996 Bur**  
**LU5ALU**  


Date	Time	Band
13/07/96	21:15	10m

  
**DX spots [DXCC] sorted**  

P	Freq	Callsg
1	SH/DX	20
2	17	15
3	12	10
4	40	80

**Setup Parameters**  
 File  
 Device type: **DX4WIN** Radio 1/2 signal: **None**  
 Software CW keying / PTT control  
 Interface: **None** PTT delay: **0** DTR line: **None** RTS line: **None**  
 External keyer  
 Port: **COM1**

**Personal**  
 Station: **13/04/2009 13:35**  
 QSO  
 Screen  
 Import  
 Radio  
 Control  
 CW  
 Packet1  
 Packet2  
 RTTY  
 Ext Data  
 F2 Key  
 DXCC  
 WAS  
 WAZ  
 WPX  
 Rep/Lab

World Map  
 Zoom Projection Draw  
 Options Find  
 9S, Dist = 6704 KM, 152 deg  


1 2 3 4 5 6 7 8  
 SH/DX 20 17 15 12 10 40 80

Start | Microsoft PowerPoint - [D...] | **DX4WIN 7.02.15** | DX4WIN | 10:57

DX4WIN 7.02.15 VE1DHD Howard Dickson

File Radio Help

13:31

VE1DHD sorted by Date

QSO Sort Filter Labels W

United States of Am

Callsign Prefix  
**N6QQ** **W**

rstS rstR Recvd Zone  
**59** **59**  **3**

Notes for this Call  
**010 - California Q**

Notes for this QSO

Label QSL Date Meth  
**N** **/ /** **Bur**

**N6QQ**

Date	Time	Band
29/03/09	23:56	20m
24/03/07	17:11	20m
21/10/06	01:11	20m
08/10/06	00:10	20m

DX spots [DXCC] sorted

P	Freq	Callsign

**Setup Parameters**

File

Radio

Type **Kenwood TS-850-9!** Address **00** Baudrate **4800**

Default  Default

Notes for radio  
**Kenwood + S meter**

COM Port **COM6** Poll rate (ms) **5000** Max tries **6**  DTR high  RTS high

Second Radio

Type **None** Address **00** Baudrate **0**

Default  Default

Notes for radio

COM Port **COM1** Poll rate (ms) **5000** Max tries **6**  DTR high  RTS high

Personal Station QSO Screen Import Radio Control CW Packet1 Packet2 RTTY Ext Data F2 Key DXCC WAS WAZ WPX Rep/Lab

14/04/2009 13:27

Time	Mode	Callsign
14:48	SSB	WA2ZOU
14:55	SSB	KW7E
14:56	SSB	N6QQ

1 SH/DX 2 20 3 17 4 15 5 12 6 10 7 40 8 80

Start | Microsoft PowerPoint - [Pr...]

10:31

# RTTY Setup

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- Go to Preferences > RTTY
- Using a sound card interface (i.e. **RigBlaster**)
  - set up as in example on page 22

**DX4WIN 7.02.15 VE1DHD Howard Dickson**

File Radio Help

13:55

**VE1DHD sorted by Date** Info: LU World Map

QSO Sort Filter Labels W

**Argentina**

Callsign Prefix  
**LU5ALU LU**

rstS rstR Recvd Zone  
**57 47 13**

Notes for this Call  
**LU5ALU | John | Bu**

Notes for this QSO

Label QSL Date Meth  
**N 13/07/1996 Bur**

**LU5ALU**

Date	Time	Band
13/07/96	21:15	10m

**DX spots [DXCC] sorted**

P	Freq	Callsign

**Setup Parameters**

File

RTTY interface

Type **None** COM Port **TCP/IP**

Baud Rate **9600** Flow Control **None** Data / Parity **8 bits/no parity**

Scrollback capacity **500**

Options

- Check for DXspots
- Announce DX to other window
- Always in Immediate mode
- Use bell character
- Show function keys

MMTTY

Executable  
**c:\program files\mmtty\mmtty.exe**

**Personal**

Station

QSO **13/04/2009 13:35**

Screen

Import

Radio

Control

CW

Packet1

Packet2

**RTTY**

Ext Data

Time	Mode	Callsign
13:30	SSB	AA9G0
13:52	SSB	FY5GF
13:59	SSB	FG5HR

F2 Key

DXCC

WAS

WAZ

WPX

Rep/Lab

1 SH/DX 2 20 3 17 4 15 5 12 6 10 7 40 8 80

Start | Microsoft PowerPoint - [D...] | **DX4WIN 7.02.15** | DX4WIN | 10:55

# Software Updates

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- Locate the DX4WIN web site found at:  
<http://www.dx4win.com/>
  - Navigate to the Downloads page
  - Download the latest edition to a folder SEPARATE from any other folders with earlier versions of DX4WIN - ideally your “My Downloads” file on your C-drive.
  - Run the .exe file you downloaded, then look in the Programs folder into which DX4WIN installed itself, and find the help file (DX4WIN.chm)
  - Find the instructions for “Upgrading from a Previous Version” and follow them explicitly

# Software Updates

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- **Upgrading** to a new DX4Win version will require you to generate an .ini file (Preference settings) from your old DX4WIN and merging it with the NEW DX4WIN. Be very careful you do not get the new and old programs mixed up!
- **Porting over your Preferences** - in your OLD version
  - File > Preferences > File > Write INI File
    - Save the INI file in a place you can find it
  - This process works well, **HOWEVER**, you will have to go back to Preferences and adjust the Band/Mode settings for the Station and various award (DXCC; WAS etc.) - everything else should port over in the INI file.

# Specific Questions / Problems

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- 1) Updating Country Lists
- 2)
- 3)
- 4)
- 5)
- 6)



# Updating Country Lists

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- **What's in the Country File?**
  - The country file unifies many smaller databases that are essential for DX4WIN:
    - DXCC entities
    - DXCC prefix to entity mapping
    - DXCC callsign to entity mapping
    - QSL managers
    - QSL manager addresses
    - Islands on the Air (IOTA)
    - US States (latitude/longitude)
    - CT state abbreviation to US state mapping
    - US Counties

# Updating Country Lists

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- Getting the latest Country List
  - Go To: <http://www.country-files.com/dx4win/>
    - The ZIP file named DX4WCTY\_20090408.zip was released on 8 April 2009. Follow this link to the complete revision history
    - To see the actual revision date of the country file you are currently using - go to: Files -> Databases -> Countries.
      - The entry for 1A0, Sov. Military Order of Malta should appear. Click on the Callsigns tab, and the callsign "VERSION" should appear in the window. The "Start date" is the date the country file was created/released.

# Updating Country Lists

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- Installing the new Country File
  - 1) Exit DX4Win - Files > Exit
  - 2) Then copy your existing DX4WIN.CTY file (from your DX4W###\SAVE) directory to a safe place (like your DX4W###\BACKUP directory, see #3 below)
  - 3) unzip the DX4WCTY\_20090408.zip file and save the new DX4WIN.CTY file into your DX4W###\SAVE directory

# Updating Country Lists

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- Merging Country Files
  - If you want to keep a customized country file, but still get the latest updates, then merging might be the best solution. only the following components of the country file can/will be merged:
    - Exception calls
    - IOTAs
    - QSL managers
    - QSL addresses

# Updating Country Lists

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- Merging Country Files
  - download the country file and extract DX4WIN.CTY someplace that you can remember - NOT your Save Folder
  - close your logbook, then go to:
    - Files -> Databases -> Countries
  - the Country Editor window comes up, go to File -> Merge Other Country File. Navigate to the directory into which you extracted the new country file, select the file named DX4WIN.CTY, then click on the Open button.
  - You will be prompted before merging each of the components listed above. When the merging is done, in the Country Editor window, go to File -> Save Changes and Exit AND then open your log.

**The End**