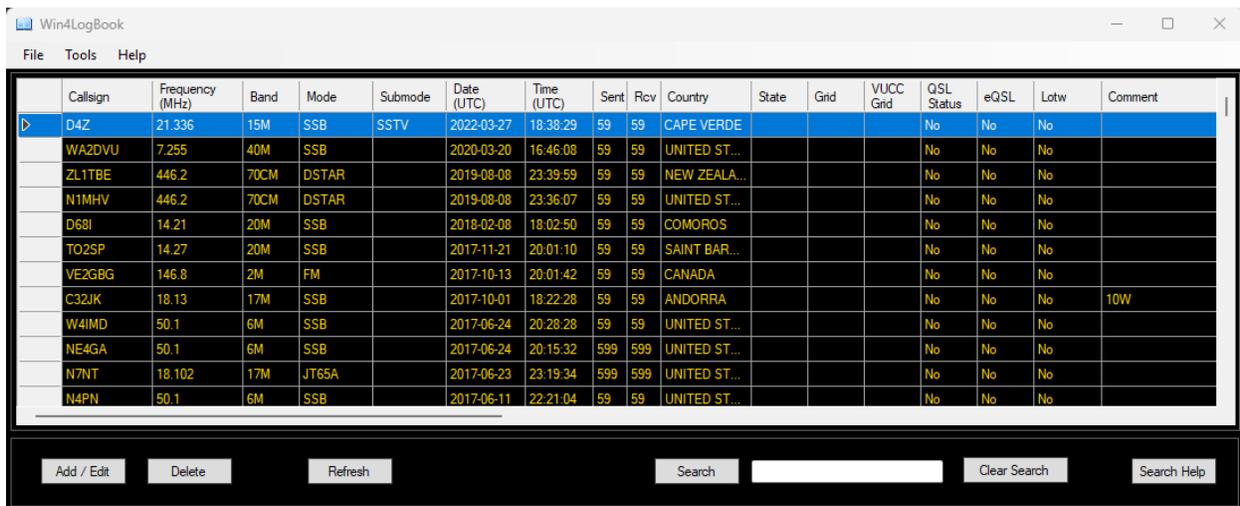


The Win4Database is a SQLite database that allows logging of your QSO's from Win4Icom, Win4Yaesu and Win4K4. In addition, it allows direct logging from WSJT and any software that can use the same WSJT UDP logging. It supports QRZ subscriptions, upload and download to LOTW and e-QSL and ADIF export and import. It uses a text based search allowing simple text to search for records.

The Add-on is optional and you can continue to use your existing logbook that is interfaced to Win4 with its third party virtual radios.



The screenshot shows the Win4LogBook application window with a menu bar (File, Tools, Help) and a table of QSO records. The table has the following columns: Callsign, Frequency (MHz), Band, Mode, Submode, Date (UTC), Time (UTC), Sent, Rcv, Country, State, Grid, VUCC Grid, QSL Status, eQSL, Lotw, and Comment. The records are as follows:

Callsign	Frequency (MHz)	Band	Mode	Submode	Date (UTC)	Time (UTC)	Sent	Rcv	Country	State	Grid	VUCC Grid	QSL Status	eQSL	Lotw	Comment
D4Z	21.336	15M	SSB	SSTV	2022-03-27	18:38:29	59	59	CAPE VERDE				No	No	No	
WA2DVU	7.255	40M	SSB		2020-03-20	16:46:08	59	59	UNITED ST...				No	No	No	
ZL1TBE	446.2	70CM	DSTAR		2019-08-08	23:39:59	59	59	NEW ZEALA...				No	No	No	
N1MHV	446.2	70CM	DSTAR		2019-08-08	23:36:07	59	59	UNITED ST...				No	No	No	
D68I	14.21	20M	SSB		2018-02-08	18:02:50	59	59	COMOROS				No	No	No	
TO2SP	14.27	20M	SSB		2017-11-21	20:01:10	59	59	SAINT BAR...				No	No	No	
VE2GBG	146.8	2M	FM		2017-10-13	20:01:42	59	59	CANADA				No	No	No	
C32JK	18.13	17M	SSB		2017-10-01	18:22:28	59	59	ANDORRA				No	No	No	10W
W4IMD	50.1	6M	SSB		2017-06-24	20:28:28	59	59	UNITED ST...				No	No	No	
NE4GA	50.1	6M	SSB		2017-06-24	20:15:32	599	599	UNITED ST...				No	No	No	
N7NT	18.102	17M	JT65A		2017-06-23	23:19:34	599	599	UNITED ST...				No	No	No	
N4PN	50.1	6M	SSB		2017-06-11	22:21:04	59	59	UNITED ST...				No	No	No	

At the bottom of the window, there is a control bar with buttons for 'Add / Edit', 'Delete', 'Refresh', 'Search', 'Clear Search', and 'Search Help'.

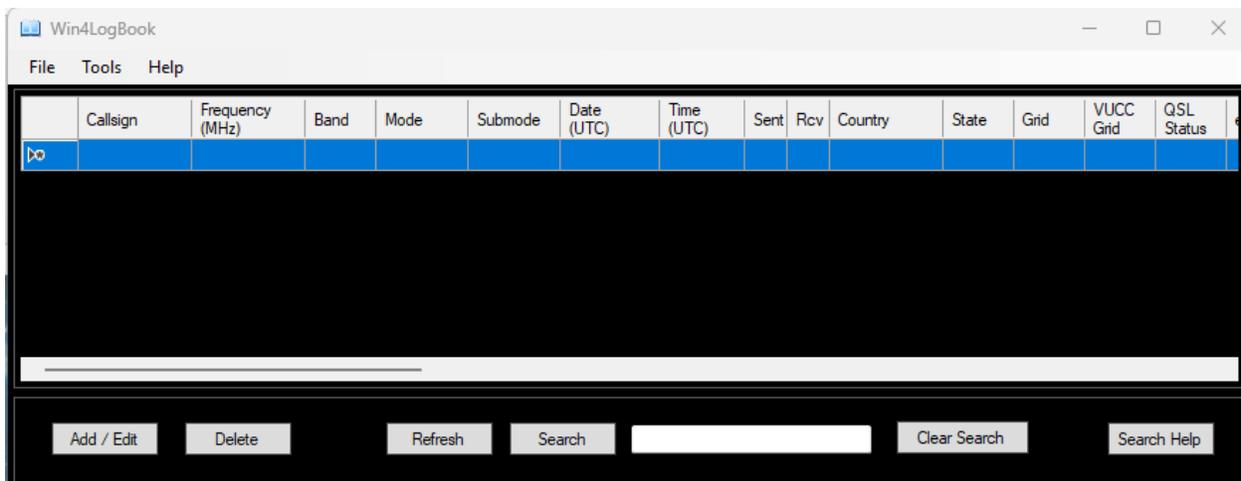
First Use

When you first start the database you will be asked to create the database. You will need to provide a name as well as a location on your file system. In addition you can fill out some essential fields such as Callsign, Grid, Email address and Operator. These can also be filled out later in Tools, Settings / Utilities.



It is HIGHLY recommended that you do not use Microsoft OneDrive. This crippled utility never works correctly with hardware and you do so at your own risk.

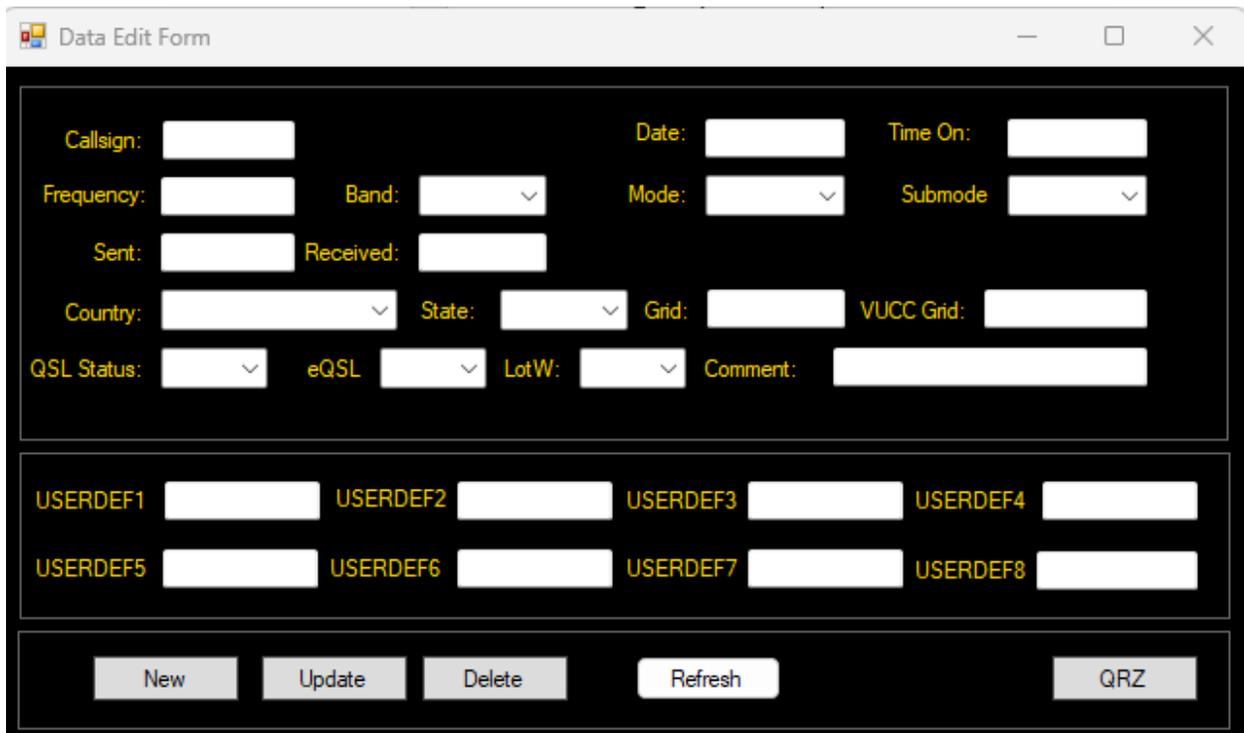
Once you have created the database you will be presented with the following screen (resized to fit this page):



Entering and Editing Records

You can enter a record directly into the database, or you can use the Win4Icom, Win4Yaesu or Win4K4 terminal. The setup and use of these will be described later in this manual.

To enter a record, click on the Add / Edit button. You will be presented with this screen:



The screenshot shows a window titled "Data Edit Form" with a dark background and white text. The form contains several input fields and buttons:

- Call sign:
- Date:
- Time On:
- Frequency:
- Band:
- Mode:
- Submode:
- Sent:
- Received:
- Country:
- State:
- Grid:
- VUCC Grid:
- QSL Status:
- eQSL:
- LotW:
- Comment:
- USERDEF1:
- USERDEF2:
- USERDEF3:
- USERDEF4:
- USERDEF5:
- USERDEF6:
- USERDEF7:
- USERDEF8:
- Buttons: New, Update, Delete, Refresh, QRZ

Much of the fields are self-explanatory. The Callsign, Frequency, Band and Mode are required. You can also click on the QRZ button if you have a QRZ subscription. (You must fill out the specifics in Tools, Settings first).

The USERDEF1 – 8 fields are custom fields. The database columns are named USERDEF1 to 8 as per the ADIF specifications. However, you can Rename these in Tools, Settings and the labels will appear above.

After entering the minimum data, you will see the following:

Data Edit Form

Call sign: VA2FSQ Date: 2025-10-09 Time On: 17:14:40

Frequency: 14 Band: 20m Mode: CW Submode

Sent: Received:

Country: State: Grid: VUCC Grid:

QSL Status: No eQSL No LotW: Yes Comment:

USERDEF1 USERDEF2 USERDEF3 USERDEF4

USERDEF5 USERDEF6 USERDEF7 USERDEF8

New Update Delete Refresh QRZ

You may now press the QRZ button to get:

Data Edit Form

Call sign: VA2FSQ Date: 2025-10-09 Time On: 17:14:40

Frequency: 14 Band: 20m Mode: CW Submode

Sent: Received:

Country: Canada State: QC Grid: FN35bl VUCC Grid:

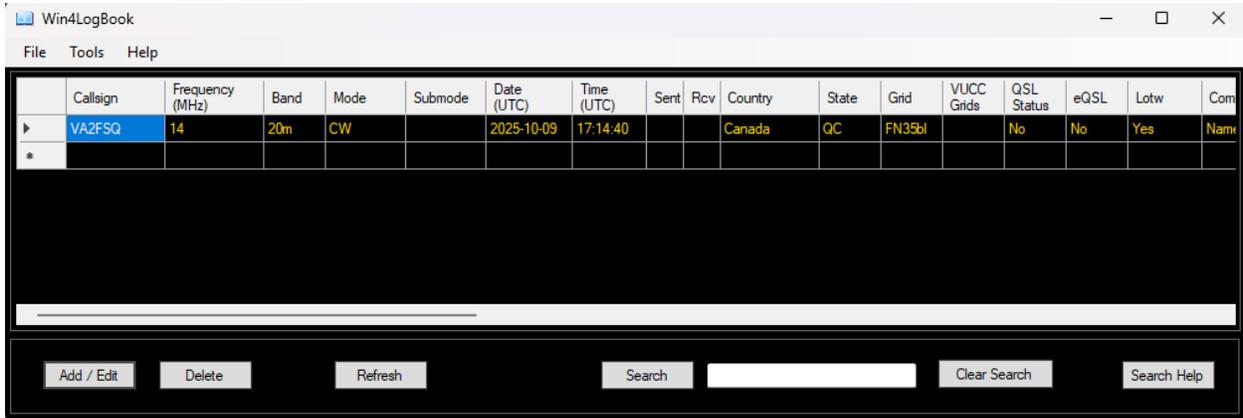
QSL Status: No eQSL No LotW: Yes Comment: Name: Tom Blahovici

USERDEF1 USERDEF2 USERDEF3 USERDEF4

USERDEF5 USERDEF6 USERDEF7 USERDEF8

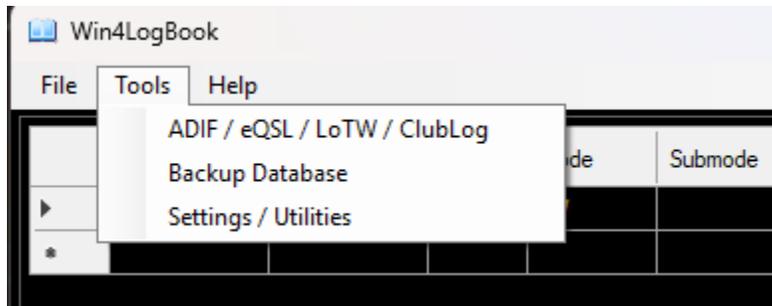
New Update Delete Refresh QRZ

Since you have already created that record, when you press the QRZ button, all remaining fields are filled and the color of the boxes changes to yellow indicated that you need to do an Update. The record will now appear in the database.

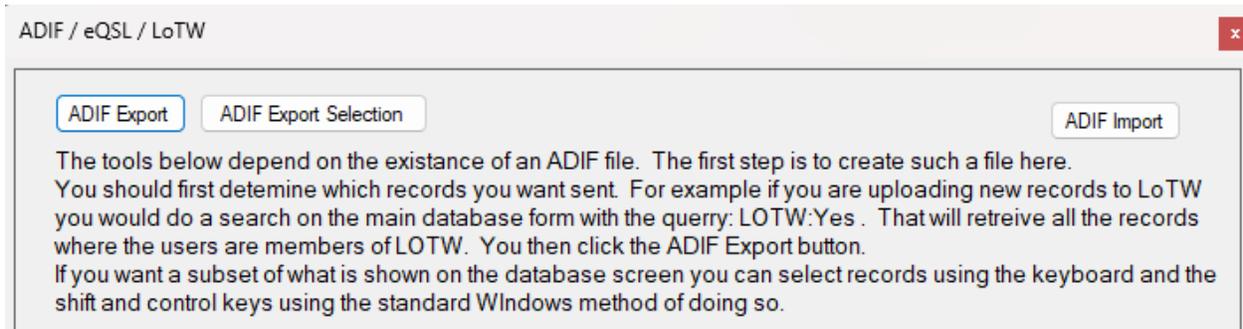


Import of records from an ADIF file

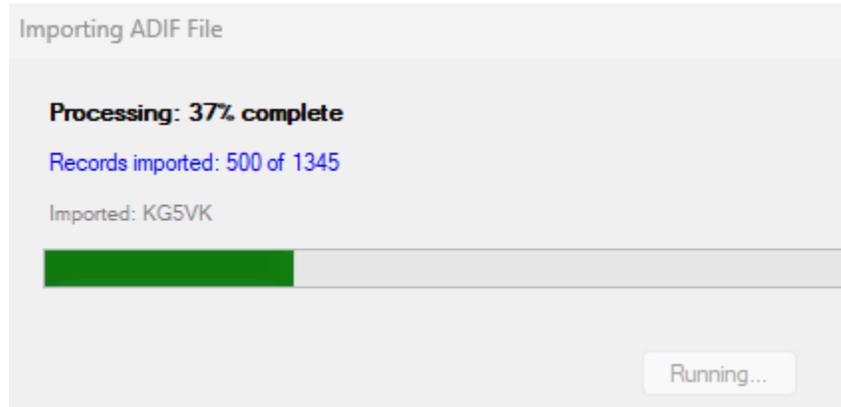
If you have an existing database such as from DXLab or HRD Logbook, you can export an ADIF file from these databases and then import it into Win4Logbook. This option is in the Tools, ADIF, eQSL, LOTW, ClubLog menu:



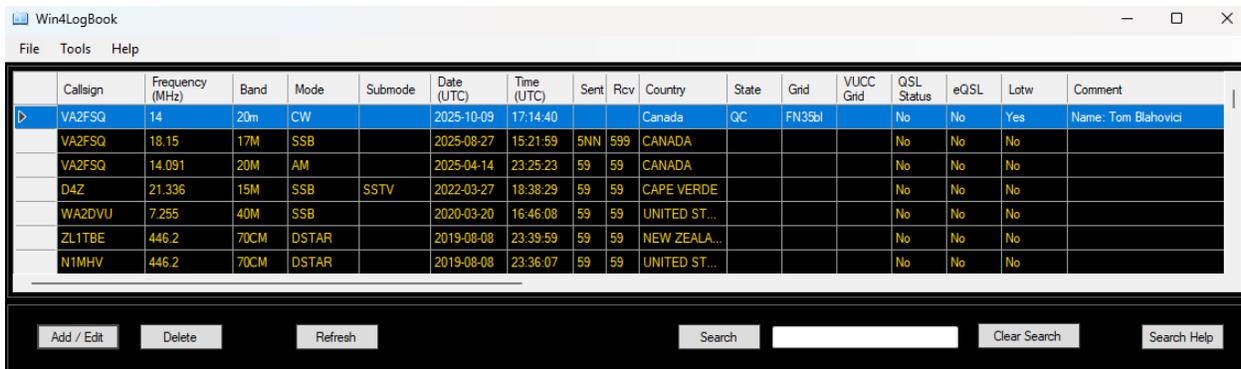
Upon selecting this option you will get the following screen:



Clicking on the ADIF Import button will present you with a file dialog where you can select the ADIF file you wish to import. Once done, the progress will be displayed:



Finally, the database will be populated.



Settings and Utilities

There are several items you may choose to setup depending on your expected usage. These are in the Tools, Settings / Utilities screen:

User ID's and Passwords

Database Name Database Location

LoTW User ID LoTW Password TQSL Location

eQSL User ID eQSL Password eQSL QTH Nickname

ClubLog User ID ClubLog Password

QRZ User ID QRZ Password

Callsign Grid Email Address

Operator

UDP Listener

UDP IP Address UDP Port

Currently using the WSJT-X protocol for direct logging.

Utilities

The LoTW User list is download once a month. [Click here](#) to do it now

Custom Fields

USERDEF1 USERDEF2 USERDEF3 USERDEF4

USERDEF5 USERDEF6 USERDEF7 USERDEF8

Enter your own column labels here

Accessibility

Enable speech? Voice speed Voice

There are quite a few options here. In general, most of these are self-explanatory particularly in the User ID and password section.

UDP Listener: This is where you set up the UDP IP address and UDP port for software that follows the WSJT protocol for logging. By default, this is set to use the default WSJT settings.

Utilities: The “Download LOTW User Status” button will download the status of whether a user is part of the LOTW ecosystem. When complete you will get some information concerning this:

Update Complete ✕



Update completed successfully!

Records Updated: 973

Final Statistics:

LOTW Confirmed: 974

LOTW Pending: 371

Confirmation Rate: 72.4%

OK

Custom Fields: This allows assigning column names to the ADIF user defined fields.

Accessibility: This allows selecting a Speech synthesis engine for the visually impaired. As with all the Win products, you should turn off your screen reader when using this.

ADIF / eQSL / LoTW Menu

In Tools there is a menu allowing import and export of LoTW, eQSL and ClubLog data:

ADIF / eQSL / LoTW ✕

ADIF ExportADIF Export SelectionADIF Import

The tools below depend on the existence of an ADIF file. The first step is to create such a file here. You should first determine which records you want sent. For example if you are uploading new records to LoTW you would do a search on the main database form with the query: LOTW:Yes . That will retrieve all the records where the users are members of LoTW. You then click the ADIF Export button. If you want a subset of what is shown on the database screen you can select records using the keyboard and the shift and control keys using the standard Windows method of doing so.

Lotw UploadLotw Results

These buttons will upload an ADIF file to LoTW and download the results. You must have a valid tQSL certificate and have configured the path of the TQSL program and your user ID and password for LoTW in the Tools, Settings menu

eQSL UploadeQSL Download

These buttons will upload an ADIF file to eQSL.CC and download the results. You must have configured your user ID and password for QSL.CC website in the Tools, Settings menu

ClubLog Upload

These buttons will upload an ADIF file to ClubLog. You must have configured your user ID, password and email address for the Clublog website in the Tools, Settings menu

All of these options require an ADIF file to be available for upload. IN general, you will want to search for specific records which will then form the basis of your ADIF filer. This will be described in the Search section of this document.

Searching the Database

Win4Logbook uses the free text search engine FTS5. This allows quick and easy searches without using a SQL statement or filling forms.

To search ALL data for a string just enter it into the search box and press the Search button. For example, entering VA2FSQ will retrieve all records that contain VA2FSQ.

If you want to be specific, then you need to specify the column name followed by a colon like this:

LOTW: yes

This will search all of the LOTW column for the yes word. This is useful for creating a ADIF file to upload to LoTW.

Here is a list of all the column names: (Case is important)

CALLSIGN

FREQUENCY

BAND

MODE

SUBMODE

QSO_DATE

QSO_TIME

SENT

RECEIVED

COUNTRY

STATE

GRID

VUCC_GRIDS

QSL_STATUS

EQSL

LOTW

COMMENT

If you wish to search on more than one field you can use the AND and OR operator as follows:

COUNTRY: "United States" AND LOTW: Verified

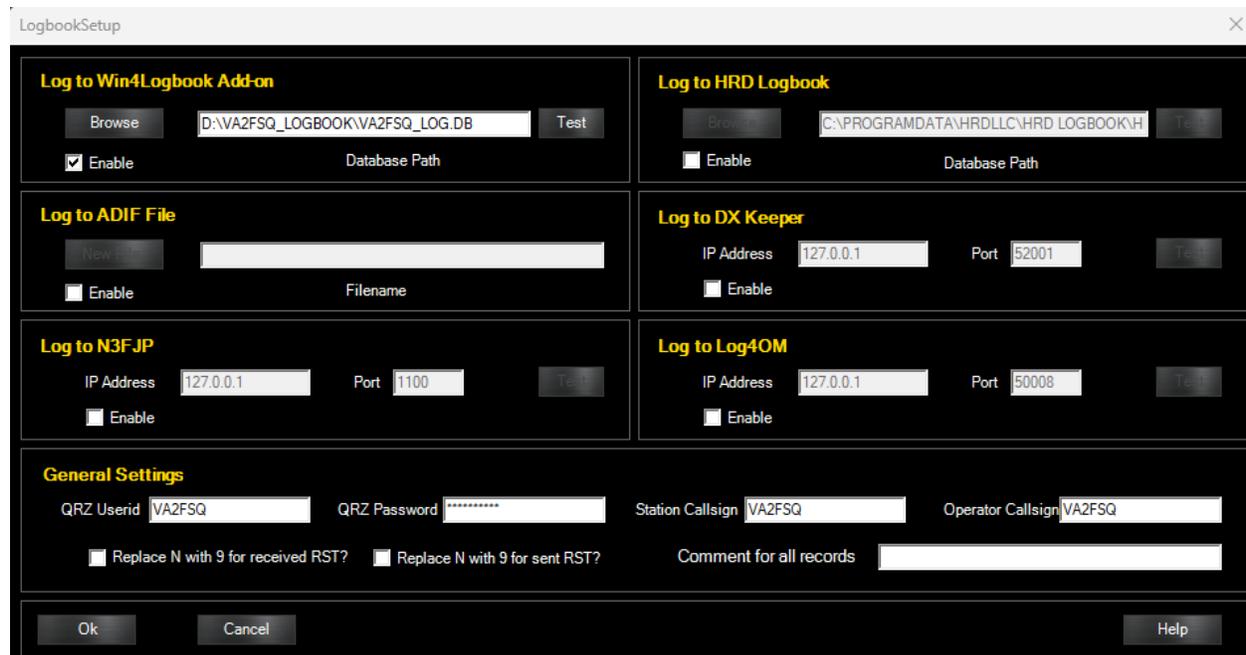
Note the use of quotes for data that has spaces in them.

Database Backups

It is important to always backup your database on a regular interval. Win4Logbook contains a facility to do so under Tools Backup database. This will create a backup file of your database with the current name and time stamp. You can also copy it manually if you wish since this is just a file.

Use of Win4Icom, Win4Yaesu and Win4K4

To log directly into the database you will need to use the terminal. The first thing is to set this up. Open the terminal and then go into Settings, Logbook. You will see the following:



The screenshot shows the LogbookSetup dialog box with the following sections:

- Log to Win4Logbook Add-on:** Database Path: D:\VA2FSQ_LOGBOOK\VA2FSQ_LOG.DB. Enable.
- Log to HRD Logbook:** Database Path: C:\PROGRAMDATA\HRD\HRD LOGBOOK\H. Enable.
- Log to ADIF File:** Enable. Filename: [Empty field]
- Log to DX Keeper:** IP Address: 127.0.0.1, Port: 52001. Enable.
- Log to N3F-JP:** IP Address: 127.0.0.1, Port: 1100. Enable.
- Log to Log4OM:** IP Address: 127.0.0.1, Port: 50008. Enable.
- General Settings:** QRZ Userid: VA2FSQ, QRZ Password: [Redacted], Station Callsign: VA2FSQ, Operator Callsign: VA2FSQ. Replace N with 9 for received RST?, Replace N with 9 for sent RST?. Comment for all records: [Empty field]

Buttons: Ok, Cancel, Help.

You will need to enable the “Log to Win4Logbook Add-on” and supply the path to the logbook. You can then press “Test” to check that all is well.

In the Terminal, once you have added a Callsign, or you clicked on a ClubLog spot or a peak in the spectrum, you can just click Logit. If you have a QRZ subscription, fields will be automatically transferred to the database.

Please note that the Win4Logbook does not have to be open to log your records. They will be entered automatically whether it is opened or not.

