

Log4OM 2

Amateur Radio Software

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Quick Start Guide

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Introduction

This Guide is intended to provide the basic information required to get a user quickly started with Log4OM Version 2, for more comprehensive guidance the user must consult the main user guide and the YouTube Tutorials.

Getting Started

It is essential for the correct operation of the software that the 'Initial start-up' section of the Program Configuration is completed.



Log4OM version 1 and version 2 can both be run at the same time because they use different installation paths and it is NOT necessary to uninstall version 1 before installing version 2

Installation

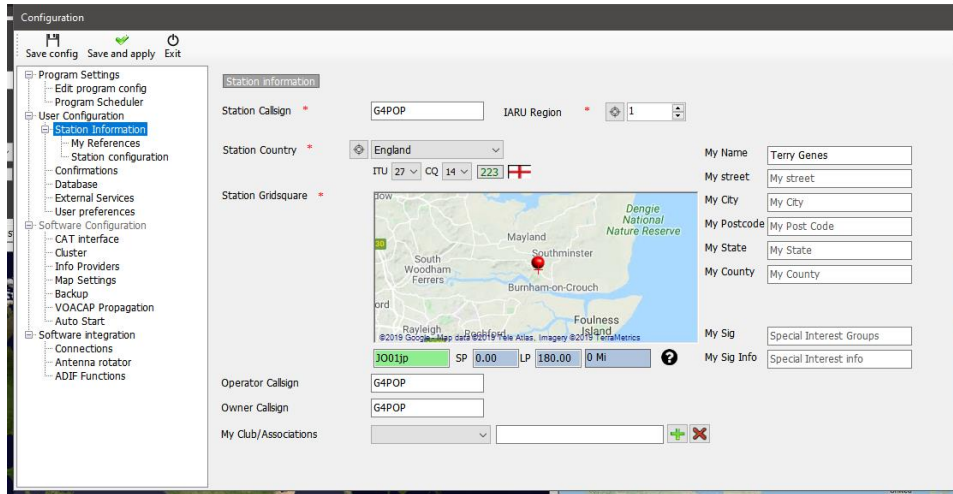
- Download the software from <http://www.log4om.com>
- Unzip (Unpack) the compressed download file to a convenient location
- Run the installer exe file



It is not necessary to run Version 2 as an administrator unless Omnirig or other associated programs (e.g. WSJT, JTALERT) are elevated for multithreading in which case Omnirig and all programs working with it should also be elevated (Run as an administrator).

Initial set-up

Once the program is installed double click on the desk top shortcut. On initial start-up the user is presented with the window below, all information on the left hand side e.g. call signs etc, **MUST** be completed to enable Log4OM V2 to select the correct band-plans, maps, modes etc.



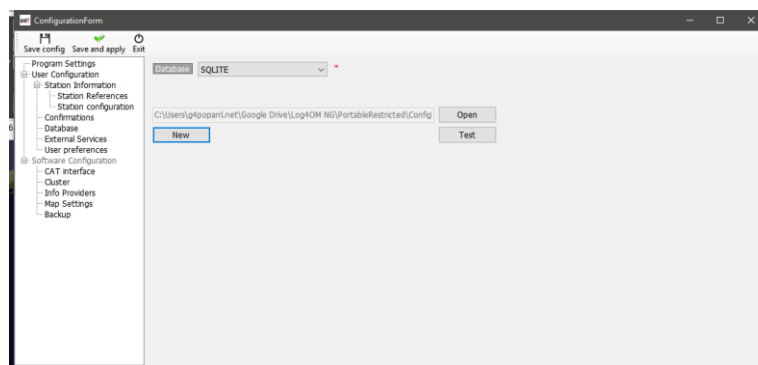
Minimum information:

- Station Call - This is the current call sign being used e.g. G4POP, G4POP/P or GW4POP/M
- Station country - The country where the Station call is located (In the examples above either England or Wales.) The ITU & CQ zones are automatically set upon entering the country but in the case of very large continents like Australia or the USA which cover many different zones please check that the selected zone is correct.
- Grid Locator - The **6-digit** Maidenhead locator applicable to the current 'Station Call'
- Operator call - This may not be the station call perhaps because the station call is a special event or club call with many different operators using the equipment.
- Owners call - The person who owns the station

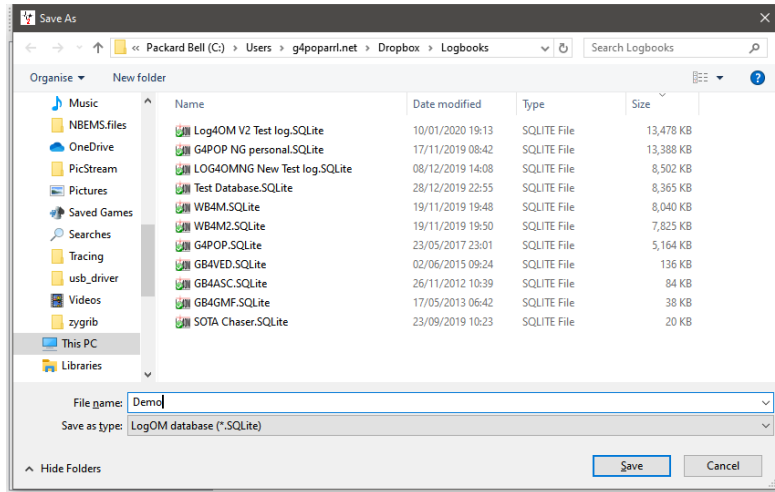
The personal information on the right hand side of the screen is used when operating with Winkeyer or other facilities which employ macros containing the users information.

Creating the database

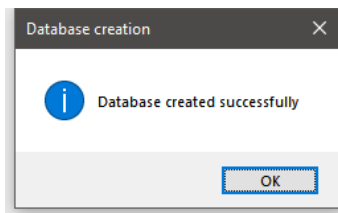
- Having completed this form click 'Save and apply'
- The program will open and present another configuration tab for creating a new database as below



- Click on the 'New' button to create a new database
- Navigate to a location for storage of the data.
- Enter a meaningful name for the database.



- Click 'Save' followed by 'OK' then 'Save and apply'



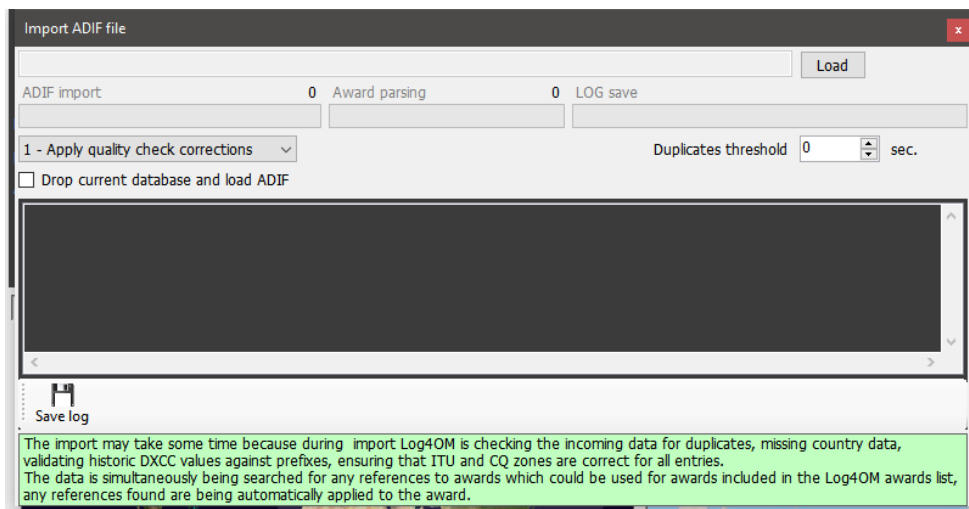
Note:

- QSO's cannot be recorded until a database has been created.
- An sqlite database from version 1 of Log4OM is not compatible with version 2.
- Users of version 1 must export an ADIF file version 3>>> from version 1 and import it into version 2 once a database has been created in version 2 as described above.

ADIF Import

Once a database has been created an ADIF file exported from any other logging program can be imported to Log4OM V2.

- Click menu 'File/Import ADIF'
- Click on the 'Load' button



- Navigate to the location of the ADIF file to be imported
- Select the ADIF file and click 'Open'
- Check the box 'Apply country corrections on load' to correct any DXCC errors in the incoming ADIF file.
- Checking the box 'Drop current database on load ADIF' if is required to replace existing QSO's
- Click 'Import' and wait to be notified that the import is complete.



Note all data will be lost and replaced by the incoming ADIF file!

leaving the 'Drop current database on load' box unchecked will merge the imported data with the existing data.

Any changes made to the incoming data will be listed and a copy of the log file containing details of any changes can be saved for future reference by clicking the '**Save log**' button at the bottom of the import window.

The 'Duplicates threshold' allows the user to set a margin for matching the QSO start times +/- nn seconds up to 60 seconds to avoid causing duplicates due to timing errors. This is a function is used when importing QSO from other sources that do not have a time resolution to seconds (e.g. QRZ.COM exports) and it is required to merge the QRZ log with the Log4OM logbook.

Illegal suffixes

Strange suffixes may cause some errors during import and cause an incorrect DXCC number and country name to be applied.

Examples:

- A station incorrectly using /LH as a suffix intending to signify a 'Light House' will be interpreted as a Norwegian station and recorded as such!
- A station incorrectly using /PM as a suffix intending to signify 'Pedestrian Mobile' will be interpreted as an Indonesian station and recorded as such!

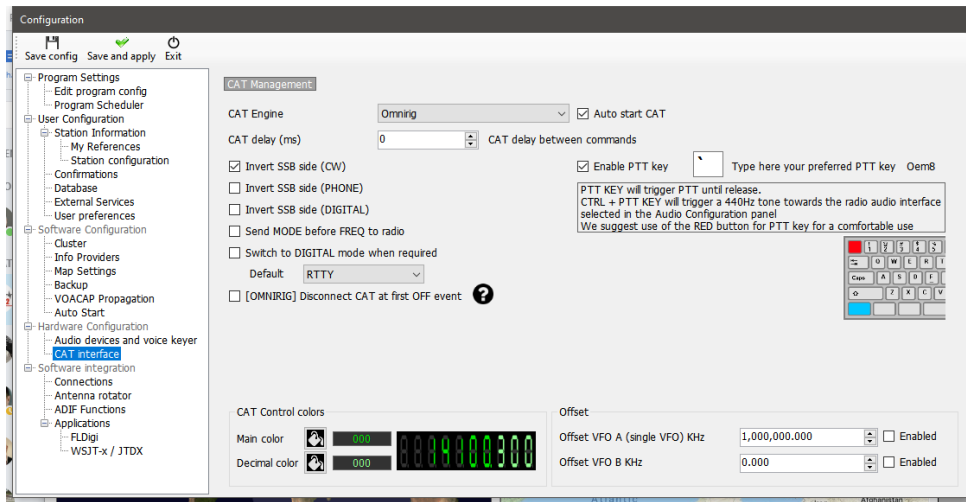
/MM (Maritime Mobile) and /AM (Aeronautical Mobile) will be saved without a country name or DXCC due to the locations being outside any entity.

/P (Portable), /A (Alternative location in some countries), /QRP, /QRPP and /M (Mobile) will have no impact on the import and the country will be identified by the normal call sign prefix.

Call checking also includes checking the valid dates of special calls and DXPeditions to ensure further accuracy.

Radio CAT Control

To select the CAT Interface click on 'Settings/Program configuration then select 'CAT Interface'



- Select the required interface (Omnirig or Hamlib)
- Check the 'Auto start CAT' box
- Click on 'Save and apply'

Various other options are provided for the idiosyncrasies of various radios



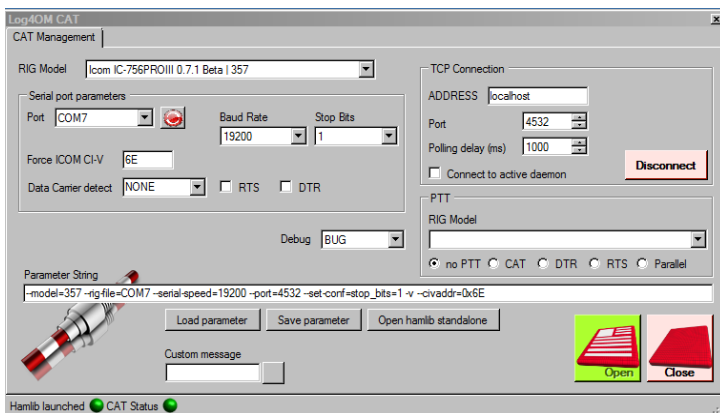
If Omnirig is selected the user must download and install Omnirig from <http://dxatlas.com/OmniRig/> - Then re-start Log4OM V2

Connecting CAT

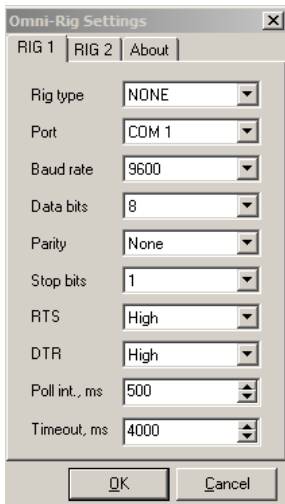
Click on 'Connect/CAT/Show CAT interface'

Depending on the selection made in the Program configuration either the Hamlib or the Omnirig interface window will appear as below

Hamlib interface



OmniRig Interface



Select the appropriate radio and set the com port and baud rate to match that of the radio and any other parameters for the equipment to be used and then click Open/OK.

Once connected the green CAT LED at the bottom of the Log4OM V2 window should light and the frequency will be displayed at the top.



CAT Screen

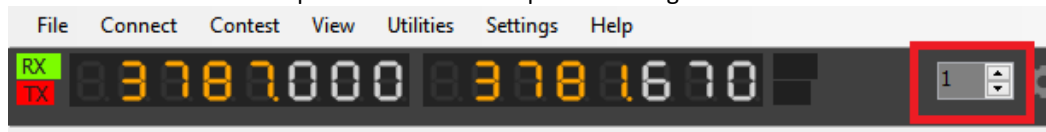
Selecting CAT screen from the 'Connect/CAT' menu provides a large floating CAT control window which provides the following features.

- Change frequency by scrolling the digital display numerals with the mouse scroll wheel or by clicking the left mouse button to increase the frequency or right clicking to decrease.
- Change bands and modes by using the buttons
- Change between rig 1 and 2 if using Omnirig by selection at the top right.
- Set VFO offsets by clicking the settings cog icon at the top right of the window



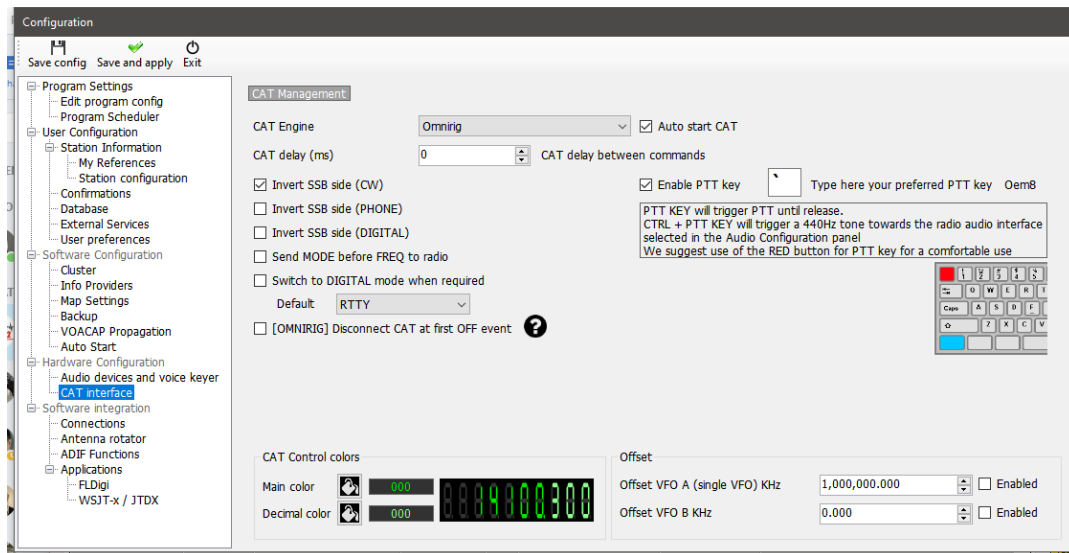
SO2R and dual radios

When using Omnirig it is possible to switch between two different radios using the Rig 1 & Rig 2 selection on the toolbar as shown below. Basic SO2R operation is therefore possible using dual interfaces.



PTT and Tune

In the Settings/Program Configuration/CAT Interface tab it is possible to select which keyboard keys trigger PTT and Tune.



- Check the 'Enable PTT Key' check box
- Select the required keyboard key
- Click the 'Save and Apply' icon

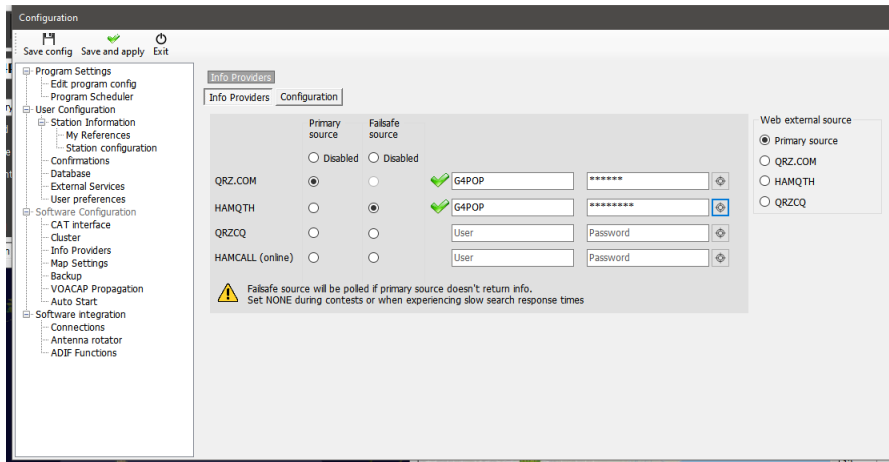
The action is a press and hold not a toggle on/off action - PTT or tune will cease when the keyboard button is released.

Automatic Call Sign lookup

The user can select the online call lookup service to be the primary source and a choice of a failsafe or backup lookup service in the event of the primary source not being available or not providing information about the call sign being looked up.

In the settings/Program configuration menu select 'Info providers'

The user must first add the user name and password for each source. Clicking the button directly to the right of each password field tests the lookup service is being correctly accessed, if it is working correctly a green check mark appears to the left of the user name field.



The user can also select which source is used when the external browser is opened by using the menu choices to the right.

For an in depth explanation for obtaining the best lookup results consult the main user guide.

Adding QSO's

In the main UI enter the call sign of the station being worked in the Call sign field, the program will lookup the callsign using the on line lookup service selected and complete the data and frequency and mode information will be recorded from the CAT connection.

Change or add any information like RST or comments and notes



Click either the Green + (add button) or the enter/return key on the keyboard to save the QSO

Backups

It is highly recommended that the user enables the automatic backup facilities included in the software, details of which are fully covered in the main user guide.

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