

FLLOG Users Manual

1.2

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Chapter 1

FLLog Users Manual - Version 1.2



1.1 Logbook Server

The logbook server maintains a large set of QSO logbook fields that will probably be sufficient for casual operating, contesting and some certificate logging. All of the fields that are captured in the logbook are maintained in an ADIF database that can be read by any logbook program that can read the ADIF text format. The server can open any logbook adif file, including those created by fldigi. You should NOT open an adif logbook file by more than one program at a time. The database uses "flat files" and simultaneous use by more than a single program may corrupt the file.

The complete set of logbook fields are:

| ADIF FIELD | USE | ADIF FIELD | USE |
|--------------|----------------------|---------------|-------------------------|
| AGE | Rx age | MY_GRIDSQUARE | Tx station locator |
| ARRL_SECT | Rx Field Day section | NAME | Rx name |
| BAND | QSO band | NOTES | QSO notes |
| CALL | Rx CALLSIGN | OPERATOR | Logging person callsign |
| CHECK | contest identifier | QSLRDATE | QSL received date |
| CLASS | Rx Field Day class | QSLSDATE | QSL sent date |
| CNTY | Rx county | QSL_VIA | Rx QSL contact |
| CONT | Rx continent | QSO_DATE | QSO data |
| COUNTRY | Rx DXCC | QSO_DATE_OFF | QSO data OFF |
| CQZ | Rx CQ Zone | QTH | Rx city |
| CWSS_CHK | Rx CW SS check | RST_RCVD | Rx report |
| CWSS_PREC | Rx CW SS precedence | RST_SENT | Tx signal report |
| CWSS_SECTION | Rx CW SS section | SCOUTR | Rx JOTA scout name |
| CWSS_SERNO | Rx CW SS serial nbr | SCOUTS | Rx JOTA scout name |
| DXCC | Rx DXCC Code | SRX | Rx serial number |
| EQSLRDATE | EQSL received date | SRX_STRING | Rx contest exchange #1 |

| ADIF FIELD | USE | ADIF FIELD | USE |
|------------|----------------------|------------------|-----------------------|
| EQSLSDATE | EQSL sent date | STATE | Rx State |
| FD_CLASS | Rx Field Day Class | STATION_CALLSIGN | Tx Callsign |
| FD_SECTION | Rx FD section | STX | Tx serial number |
| FREQ | QSO frequency in Mhz | STX_STRING | Tx contest exchange |
| GRIDSQUARE | Rx locator | SUBMODE | QSO submode |
| IOTA | Rx IOTA | TEN_TEN | Rx ten ten # |
| ITUZ | Rx ITU zone | TIME_OFF | HHMM or HHMMSS in UTC |
| LOTWRDATE | LoTW received date | TIME_ON | HHMM or HHMMSS in UTC |
| LOTWSDATE | LoTW sent date | TROOPR | Rx JOTA troop number |
| MODE | QSO mode | TROOPS | Rx JOTA troop number |
| MY_CITY | Xmt station location | TX_PWR | Tx Xmt station power |
| | | VE_PROV | Rx Canadian Province |

The data in the fllog logbook can be exported to external text files; ADIF, text, and CSV (comma separated value). The ADIF can be read by any ADIF compatible logbook program. The text output is suitable for use in a word-processor and for printing. The CSV can be read into many spreadsheet programs such as Excel, Open Office or Gnumeric.

Fllog will respond to a both duplicate and last contact queries from the client program

If you have previously worked a station the logbook will be searched for the most recent qso and fill the Name, Qth and other fields from the logbook. This data is then passed back to the client program.

You open the logbook by selecting from the View menu; View/Logbook. The logbook "File:" control will show you which logbook you currently have open. FLlogi can maintain an unlimited (except for disk space) number of logbooks.

The screenshot shows the 'Logbook Server' application window. The main area displays a logbook entry for 20190223 at 03:17:00 with call sign KK7AI, name Ken, frequency 7.072228, and mode PSK31. The interface includes fields for Date On, Time On, Call, Name, In, Date Off, Time Off, Freq., Mode, Pwr, Out, Qth, St, Pr, Country, Loc, and a list of records. The list of records shows a table with columns Date, Time, Callsign, Name, Frequency, and Mode. The current entry is highlighted in blue.

| Date | Time | Callsign | Name | Frequency | Mode |
|----------|-------|----------|-----------|-----------|--------|
| 20190223 | 03:17 | KK7AI | Ken | 7.072228 | PSK31 |
| 20190219 | 12:20 | K20H | Bill | 7.030000 | CW |
| 20190218 | 23:22 | K3LU | Ulis | 7.020692 | CW |
| 20190210 | 20:53 | W8YIH | Sylvester | 7.070804 | THOR16 |
| 20190122 | 01:23 | N8MIQ | Karl | 7.071360 | PSK31 |
| 20190121 | 21:45 | YV4DHS | Homero | 7.071065 | PSK31 |
| 20190121 | 18:56 | N4NSG | Tom | 7.035000 | CW |
| 20190120 | 20:28 | KG4Q | Larry | 7.071000 | DOMINO |

Figure 1.1 Logbook Server

You can resize the dialog to suit your screen size and operating needs. FLlog will remember the placement and size for subsequent use.

You can create new entries, update existing entries, and delete entries using this dialog. You can also search for an entry by callsign. The browser can be sorted by Date, Callsign, Frequency or Mode. The sort can be forward or backward with the most recent being the default selected entry after each sort. You execute the sort by clicking on the column button at the top of the column to be sorted. Each click causes the sort to reverse. I like to view my log with the most recent at the top. You might want to view it with the most recent on the bottom.

There are no frills such as keeping track of DXCC worked, fancy printouts etc. FLlog's logbook is primarily a capture function. You can export your data for use with an external database or for uploading to LOTW or eQSL. Data from those sources can also be used for importing into the logbook.

1.1.1 Configure

Access the configuration dialog from the "Config" menu.

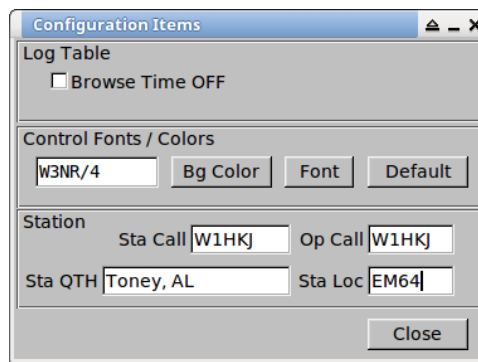


Figure 1.2 Configure

The log browser can be set to view either time ON or time OFF.

The main dialog font, font size, font color, and background colors can be changed to any that the operating system supports. The program will try to resize the main dialog and it's contents to the new setting.

The station entries are those recorded with each new logbook record. Change these as necessary when you change your operation environment.

1.1.2 Event log

Two dialogs open the first time you use fllog, the logbook dialog shown above and an event log dialog.

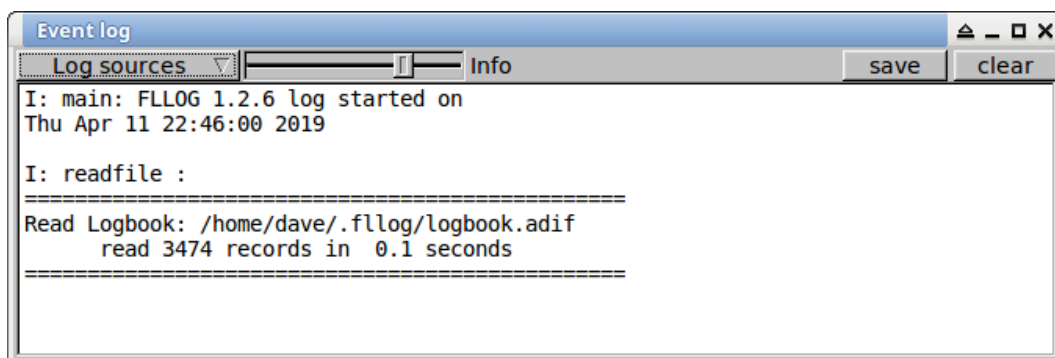


Figure 1.3 Event Log

The event log exposes program operation, particularly the data flow between the fllog server and any connect client programs such as fldigi. Moving the level slider to the right exposes more event details. The events are also written to a file named "debug_log.txt" in the default fllog files folder,

| OS | location |
|-----------------|---|
| W2K, XP | C:\Documents and Settings\ <urlogin>\fllog.files\</urlogin> |
| Vista, 7, 8, 10 | C:\User\ <urlogin>\fllog.files\</urlogin> |
| Linux | /home/<user-name>/.fllog/ |
| OS-X | /Users/<user-name>/.fllog/ |

It's contents are the same as displayed in the event log dialog:

```
I: main: FLLOG 1.2.6 log started on
Fri Apr 12 08:14:54 2019
I: readfile_:
=====
Read Logbook: /home/dave/.fllog/logbook.adif
              read 3474 records in 0.1 seconds
=====
```

The program remembers the visibility of the event log. On subsequent program starts the event log dialog will only be displayed if that was it's state the last time the program was run and exited. Access to the event log dialog is on the Help menu.

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1.2 Exporting Logbook Data

The user may export all or selected records consisting of all or selected fields. Access to this export function of available from the menu "File/Log/Export ADIF", "File/Log/Export Text", and "File/Log/Export CSV".

1.2.1 Export ADIF

Selecting the Export ADIF menu item opens the following dialog:

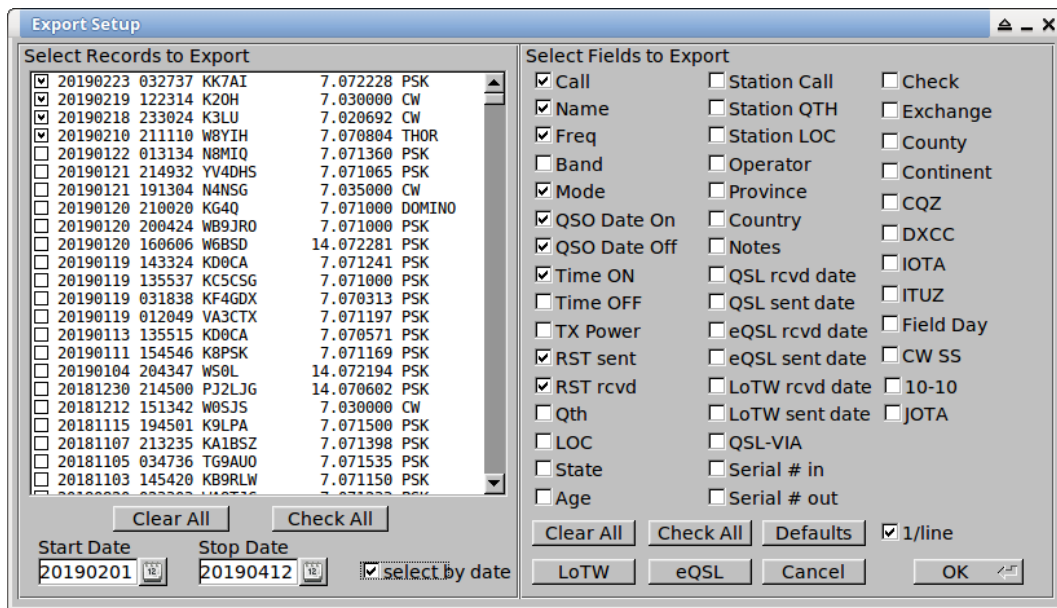


Figure 1.4 Export Setup

If you want to export every record press the "Check All" in the left panel. You can also select and deselect individual records. Choose which fields you want to export with the right panel controls. Press the OK button to continue or Cancel to abort the operation. A file chooser dialog will open which allows you to specify the name and location of the exported file. Use the extension ".adi" on Windows and ".adif" on the other OS'.

Right click on the "Defaults" button to save the currently selected fields as the new default. Left click on the "Defaults" button to enable the default fields.

Enable the "1/line" check box if you want the adif record to be written with one field per line. That increases the file size, but makes the file easier to read.

The "eQSL" and "LoTW" buttons will preset the fields to the minimum required fields for the respective exports.

1.2.2 Export Text / CSV

The same Export Setup dialog is used for Text and CSV exports.

The Text export produces a simple space delimited file with columns set at locations dictated by the field size for each field that is exported. It is suitable for use with a word processing program or for printing a hardcopy of your activities.

The CSV is a "Character Separated Value" file with the TAB character used as the field separator. This type of file can be imported into nearly all spreadsheet programs such as Gnumeric, Open Office or MS Excel.

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1.3 Creating a Cabrillo Report

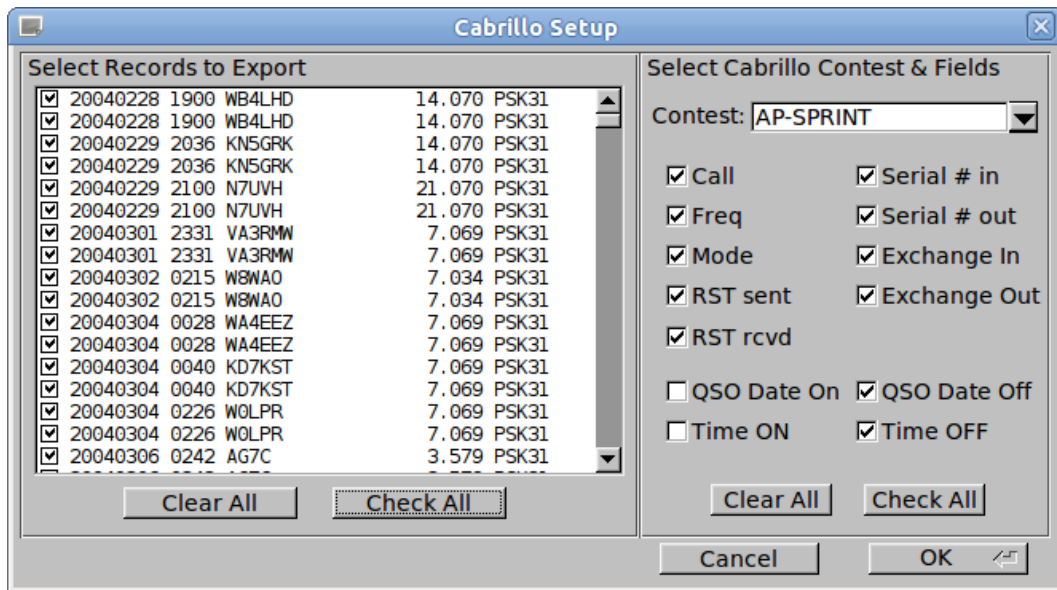


Figure 1.5 Cabrillo Setup

If you want to export every record press the "Check All" in the left panel.

Select the Contest type from the pull down menu in the right panel. FLLog knows how to format the various fields for each contest. When satisfied with the setup press OK. You will then have the opportunity to specify the location and name of the Cabrillo output file.

You should be careful not to duplicate the data in the Cabrillo report.

For example:

You captured outgoing exchange data in fldigi as

```
<XBEG><RST> <CNTR><XEND>
```

Do not enable the "RST sent" and "Serial # out" check boxes as this info is already contained in the "Exchange in" field.

You captured incoming exchange data into the Exch field as RST SER# TIME. Do not enable the "RST rcvd" or the "Serial # in" check boxes.

You must then open the file with a plain text editor and modify the appropriate entries. Check with each contest sponsor to see what their requirements are.

Here is an example of a generated Cabrillo report format before being edited:

```
START-OF-LOG: 3.0
CREATED-BY: fldigi 3.11

# The callsign used during the contest.
CALLSIGN: W1HKJ

# ASSISTED or NON-ASSISTED
CATEGORY-ASSISTED:

# Band: ALL, 160M, 80M, 40M, 20M, 15M, 10M, 6M, 2M, 222, 432, 902, 1.2G
CATEGORY-BAND:

# Mode: SSB, CW, RTTY, MIXED
CATEGORY-MODE:

# Operator: SINGLE-OP, MULTI-OP, CHECKLOG
CATEGORY-OPERATOR:

# Power: HIGH, LOW, QRP
CATEGORY-POWER:

# Station: FIXED, MOBILE, PORTABLE, ROVER, EXPEDITION, HQ, SCHOOL
CATEGORY-STATION:

# Time: 6-HOURS, 12-HOURS, 24-HOURS
CATEGORY-TIME:

# Transmitter: ONE, TWO, LIMITED, UNLIMITED, SWL
CATEGORY-TRANSMITTER:

# Overlay: ROOKIE, TB-WIRES, NOVICE-TECH, OVER-50
CATEGORY-OVERLAY:

# Integer number
CLAIMED-SCORE:

# Name of the radio club with which the score should be aggregated.
CLUB:

# Contest: AP-SPRINT, ARRL-10, ARRL-160, ARRL-DX-CW, ARRL-DX-SSB, ARRL-SS-CW,
# ARRL-SS-SSB, ARRL-UHF-AUG, ARRL-VHF-JAN, ARRL-VHF-JUN, ARRL-VHF-SEP,
# ARRL-RTTY, BARTG-RTTY, CQ-160-CW, CQ-160-SSB, CQ-WPX-CW, CQ-WPX-RTTY,
# CQ-WPX-SSB, CQ-VHF, CQ-WW-CW, CQ-WW-RTTY, CQ-WW-SSB, DARC-WAEDC-CW,
# DARC-WAEDC-RTTY, DARC-WAEDC-SSB, FCG-FQP, IARU-HF, JIDX-CW, JIDX-SSB,
# NAQP-CW, NAQP-RTTY, NAQP-SSB, NA-SPRINT-CW, NA-SPRINT-SSB, NCCC-CQP,
# NEQP, OCEANIA-DX-CW, OCEANIA-DX-SSB, RDXC, RSGB-IOTA, SAC-CW, SAC-SSB,
# STEW-PERRY, TARA-RTTY
CONTEST: ARRL-RTTY

# Optional email address
EMAIL:

LOCATION:

# Operator name
NAME:

# Maximum 4 address lines.
ADDRESS:
ADDRESS:
ADDRESS:
ADDRESS:

# A space-delimited list of operator callsign(s).
OPERATORS:

# Offtime yyyy-mm-dd nnnn yyyy-mm-dd nnnn
# OFFTIME:

# Soapbox comments.
SOAPBOX:
SOAPBOX:
SOAPBOX:
```

| | | |
|-------------------------------------|---------------------|----------------|
| QSO: 14095 RY 2009-01-04 1952 W1HKJ | 599 GA 12345 ND2T | 599 CA 67890 |
| QSO: 14098 RY 2009-01-04 1949 W1HKJ | 599 GA W0SD | 599 SD |
| QSO: 14099 RY 2009-01-04 1948 W1HKJ | 599 1234567890 KB7Q | 599 1234567890 |
| QSO: 14100 RY 2009-01-04 1948 W1HKJ | 599 GA N6WS | 599 CA |
| QSO: 14103 RY 2009-01-04 1946 W1HKJ | 599 GA VE6AO | 599 AB |

END-OF-LOG:

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