

# QW Lizard Quick Start

Version 0.1.2 – 06-AUG-2019 – Mario H. Fietz, DL4MFM – dl4mfm@AdventureRadio.de

Just unzip lizard.zip – there is no install program, no data is written to the registry.

In the directory /qw5 are:

- qw.exe – the logging program
- gma.ths – GMA Thesaurus (Callsigns, Names, Locators)

## Subdirectories

/cfg

- bands.cfg – Frequencies for selection in the program
- modes.cfg – Modes for selection in the program
- gma\*.cfg – The QW override configuration files
- global.cfg – The QW configuration file

/export

- all log exports (log.adi, sota.csv, reg1test.edi)

/log

- all logs.csv
- all logs.log (logs all your inputs)
- all logs.hdr (loginformation for restart of empty logfile)
- example\_log.csv – example log files

/tmp

- temporary files

/misc

- various files

**All files can be edited or read with an editor.**



## Important - OpenSSL

It is possible that your Windows version does not support SSL. Therefore you have to install the free software OpenSSL on your computer if you get error messages when connecting from QW Lizard to <https://www.cqGMA.org>.

Information: <https://de.wikipedia.org/wiki/OpenSSL>

Downloads: <https://www.openssl.org/>

Windows-Installer: <https://slproweb.com/products/Win32OpenSSL.html>



## Important – Older Windows Versions, Display Scaling/DPI Settings

It is possible that the QW Lizard is not displayed correctly if the display scaling was changed to 125% in older Windows versions (e.g. Windows 7). Here I recommend a reset to 100%. The screen resolution can easily be reduced if the display is too small, then the display should be correct. With Windows 10 there are no problems. I haven't found the cause yet and I haven't found a workaround yet either.

## General

- After starting the program open a log file or create a log file via the menu "*File*".
- If you create a new log file, you have to enter your callsign, your reference and a QTH locator.
- There are several input masks (select *Style* from the menu)
  - Default VHF with input of the locator
  - Log without Locator (HF)
  - Log VHF with serial number and locator for contests
  - Log HF with serial number or constants (zones etc) for contests
- If you have an internet connection, every QSO is written directly to the GMA database and displayed in GMAwatch as Activator QSO.
  - if you don't want this, you can switch off the upload via the menu item *Live*.
- Export is possible via the *File* menu as ADIF file or as SOTA V2 CSV file.
- You can upload the complete log via "*Upload to GMA*".
- QW is running always in UTC

## Logging

- DLOGMA# = DLOGMA/P
- With TAB you jump to the next field, with SPACE between Call and Locator.
- In all input fields you can use TAB
- The explanation of the CTL keys can be found under "Logging".
  - CTL-L, CTL-N, CTL-R, CTL-W, Pos 1
- If a locator is entered, the distance and antenna direction are displayed directly.
- If the call is found in the Thesaurus, the name and (if available) the QTH locator will be displayed. With a double click you can directly take over a locator.
- Dupe Check is initially only done on the callsign and band.
- In CW and SSB/FM mode, only the signal strength (S) can be entered. The program completes the rest (CW: 5 = 559, SSB: 9 = 59).
- You can edit any QSO in the grid directly. The QSO number and date cannot be edited. It is not possible to delete a QSO.
- The log file is a CSV file and can be edited manually with the editor or MS Excel/OO Calc.

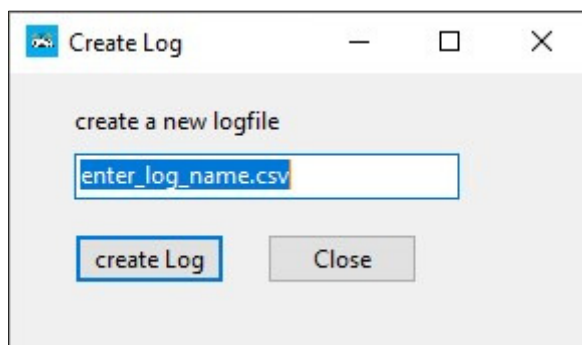
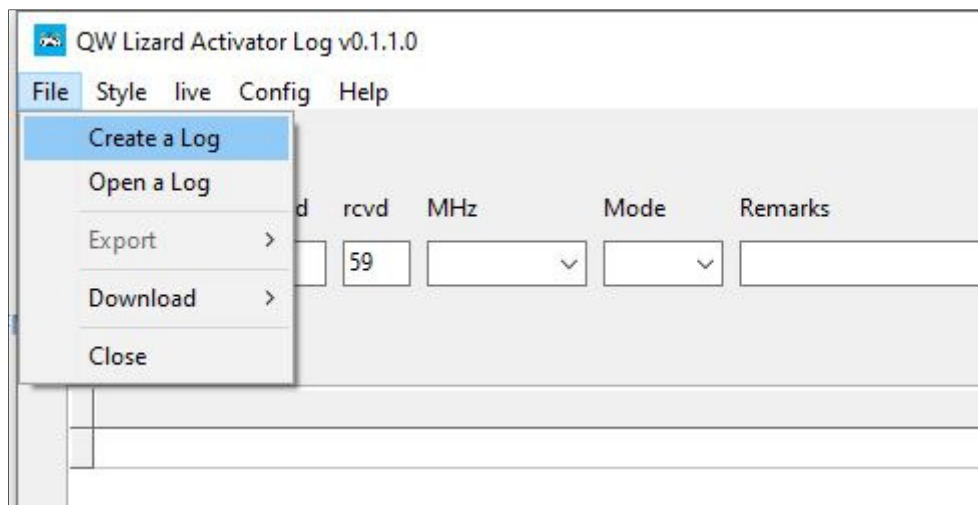
# QW Lizard

Mario H. Fietz, DL4MFM

## Before you start

First a log file must be created:

Go to the menu item **File** and select the submenu **Create a Log**. A window opens in which a unique log name is entered:



If an existing log is to be opened, then go to **File** => **Open a Log**. A list with the existing log files opens.

## After the Activity

### Check data

If one has gotten confused with the input of the data or knows that one has entered something wrong or overwritten in the hecticness: An input log file is kept. All entries are recorded in this log file.

The input log file is located in the subdirectory **/log** and the name of the file is like the name of the logging file, but with the extension **.log**.

QW Lizard Activator Log v0.1.1.0 [test\_log.csv]

File Style Live Config Help

01-Aug-2019 12:33:03

QSO 007

Call send rcvd MHz Mode Remarks wkld Ref

Log

Spot

QSO	Date	UTC	Call	send	rcvd	MHz	Mode	Remarks	Reference
1	20190801	1232	DC1BF	59	59	144	SSB		
2	20190801	1232	DL0QW	59	59	144	SSB		
3	20190801	1232	DM7N	59	59	144	SSB		
4	20190801	1232	ON4VT	59	59	144	SSB		
5	20190801	1232	DJ9MH	59	59	144	SSB		
6	20190801	1232	DP9X	59	59	144	SSB		

test\_log.log

Refresh

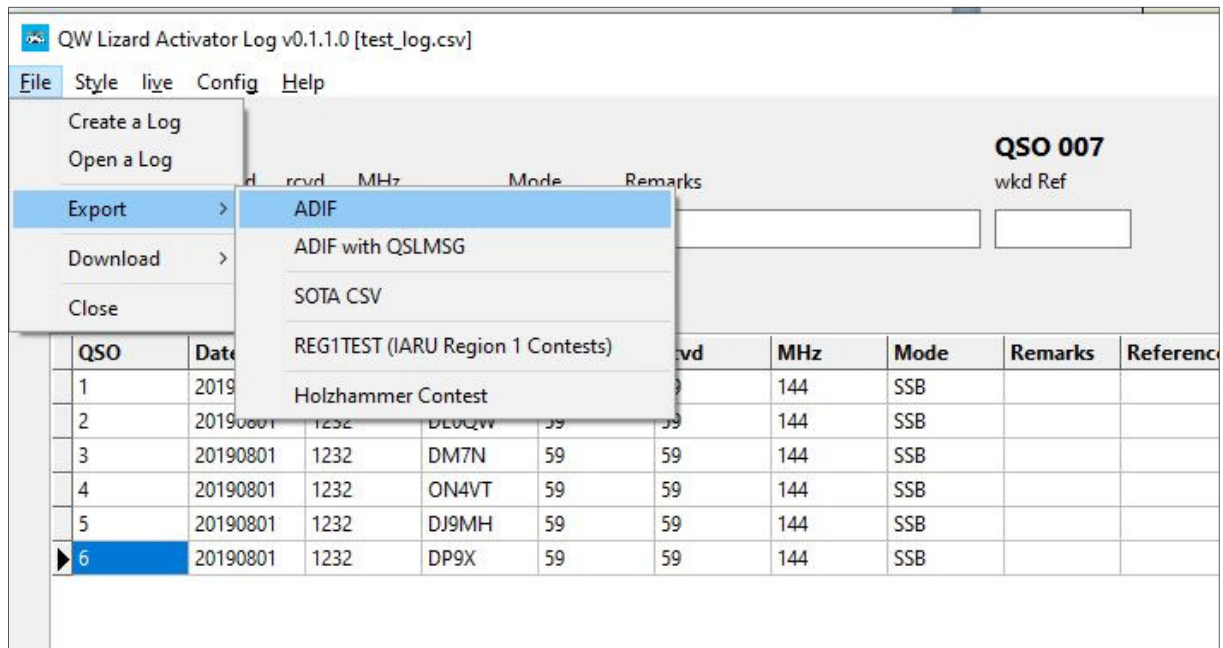
Upload to GMA

no upload DP9X - - JO42SC

Logging Time	Call	RST	RST	Serial	Loc	Mode	QRG
06-Aug-2019 10:20:39	add: DC1BF	59	59		JO42AI		
06-Aug-2019 10:20:50	add: DC1BF	59	59		JO42AI		144.225
06-Aug-2019 10:20:56	add: DC1BF	59	59		JO42AI	SSB	144.225
06-Aug-2019 10:21:07	log: DC1BF	59	59		JO42AI	SSB	144.225
06-Aug-2019 10:21:27	add: DL0QW	59	59		JO42AI	SSB	144.225
06-Aug-2019 10:21:31	log: DL0QW	59	59		JO42AI	SSB	144.225
06-Aug-2019 10:21:42	add: DJ9MJ	59	59			SSB	144.225
06-Aug-2019 10:21:51	add: DJ9MH	59	59		JO50FA	SSB	144.225
06-Aug-2019 10:21:55	log: DJ9MH	59	59		JO50FA	SSB	144.225
06-Aug-2019 10:22:05	b4 : DJ9MH	59	59		JO50FA	SSB	144.225
06-Aug-2019 10:22:05	edt: DJ9MH/P	59	59		JO50FA	SSB	144.225
06-Aug-2019 10:22:15	add: DL3YCW	59	59		JO42HA	SSB	144.225
06-Aug-2019 10:22:16	log: DL3YCW	59	59		JO42HA	SSB	144.225

## Create a Logfile

Open the desired output via **File => Export**



There is a corresponding message in the status bar of the logging window:



Example of the ADIF file in the subdirectory **/export**:

```
ADIF-Export from QW Activator Log
QW DL0QW (c) 1978-2019
Activator Log Export
<PROGRAMMID:6>qw.exe
<PROGRAMMVERSION:5>0.1.1
<EOH>

<QSO_DATE:8>20190801<TIME_ON:4>1232<STATION_CALLSIGN:6>DL4MFM<OPERATOR:6>DL4MFM<M
Y_REF:9>DM/NS-
108<MY_GRIDSQUARE:6>JO42AI<CALL:5>DL0QW<RST_SENT:2>59<STX:3>001<RST_RCVD:2>59<SRX
:0><GRIDSQUARE:0><BAND:2>2M<FREQ:3>144<MODE:3>SSB<COMMENT:0><HIS_REF:0><QSLMSG:0>
<EOR>
<QSO_DATE:8>20190801<TIME_ON:4>1232<STATION_CALLSIGN:6>DL4MFM<OPERATOR:6>DL4MFM<M
Y_REF:9>DM/NS-
108<MY_GRIDSQUARE:6>JO42AI<CALL:5>DL0QW<RST_SENT:2>59<STX:3>002<RST_RCVD:2>59<SRX
:0><GRIDSQUARE:0><BAND:2>2M<FREQ:3>144<MODE:3>SSB<COMMENT:0><HIS_REF:0><QSLMSG:0>
<EOR>
```

## Spotting



**You need an internet connection to use this tool**

You have 4 options to send spots. If you press or click on the button “Spots” another window opens with the data of your last logged QSO. Of course you can overwrite the input fields.

### 1. GMA

- The station you want to spot is uploaded to GMA and occurs at GMAwatch and the GMA DX-Spider. If it is a WWFF reference or the systems detects a WWFF reference behind a summit, COTA, .... Reference it is also spotted to WWFFwatch (WWFF DX-Cluster)

### 2. GMA + SOTA

- See GMA
- The spot is also sent to SOTA and only :
  - If it is a valid SOTA reference
  - If you entered your SOTAwatch username and your SOTAwatch password in your GMA profile of the GMA Website ([www.cqGMA.net](http://www.cqGMA.net)).
  - If the reference is no SOTA reference or you have not entered your correct access details or problems on SOTA-Website occur, a spot is not displayed on SOTAwatch

### 3. GMA + SOTA + DX-Cluster

- See GMA + SOTA
- A spot is sent to the DX-Cluster Network.
- The spotting callsign is not your operating callsign but your callsign stored in your GMA profile. You cannot login via TELNET into the cluster net with “DR0ABC/P”, just with “DR0ABC”.

### 4. DX-Cluster

- see GMA + SOTA + DX-Cluster

## Logging

### 1. You can choose between several logging masks

- VHF style with locator
- HF style without locator
- VHF Contest style with serial number and locator
- HF Contest style with serial number/constant
- Contests

### 2. Callsign

- Enter "DROABC#" for "DROABC/P"
- Jump to locator with [SPACE]
- Jump to the next field with [TAB]

### 3. RST send / rcvd

- Enter report 599 or 59
- For CW you can enter just "9" for 599
- For SSB/FM you can enter just "9" for 59

### 4. Locator

- There is a check of valid Maidenhead locator
- Distance and antenna direction are shown

### 5. Frequency

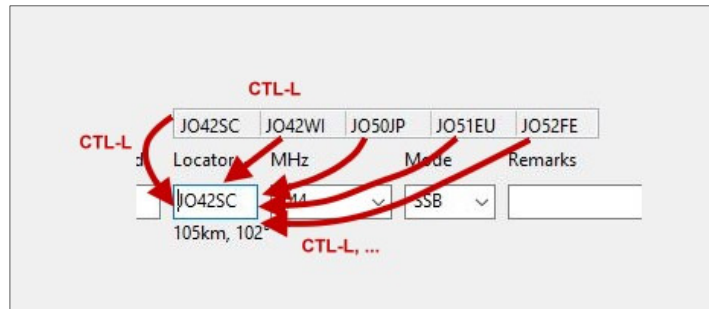
- You can choose a frequency for a band or enter complete frequency in MHz
  - Example: 14.061
- If you prefer input as kHz then configure that in gma.cfg
  - The dot between MHz and kHz is not necessary
    - Example: 14061
  - If you choose MHz, a dot between MHz and kHz is absolutely necessary
  - Any changes in gma.cfg need a restart of QW Lizard

### 6. Log

- Hit [Enter] or click on the button Log

## 7. CTRL-L

Drag the locator from the preview. If multiple locators are displayed, a new CTL-L takes the next locator. After the last locator, the first one is drawn again.



A mouse double click also takes over a locator.

## 8. CTRL-N

- Jumps to the Remarks (Notes) Field

## 9. CTRL-R

- Jumps to the worked reference field
  - i. If you work any reference like Summits, Castles, Flora & Fauna, ...

## 10. CTRL-W

- Wipes the input fields, sets cursor to the worked callsign field

## 11. Pos 1

- Jumps to the worked cassign field

## 12. Dupe-Check

- Works default on callsign and band.
- You can change in the configurations file to callsign only or callsign and band and mode

## Log Correction

### 1. Correct directly in the Log-Grid

- There's no plausibility check. Pay attention, what is entered, pay attention to upper/lower case
- If you are live, the correction is uploaded to the GMA-database

## Default Activator Logging Screen

QW Lizard Activator Log v0.1.1.0 [test01.csv] **doubleclick**

File Style live Config Help

01-Aug-2019 09:55:45

Call send rcvd Locator MHz Mode Remarks wkld Ref

DL3YCW 59 59 JO42HA 144 SSB

52km, 129°

Pos 1

choose MHz from dropdown or enter complete frequency

QSO 003

Log

Spot

spot on GMA/SOTA/DX-Cluster

QSO	Date	UTC	Call	send	rcvd	Locator	MHz	Mode	Remarks	Reference
1	20190801	0954	DC1BF	59	59	JO42AI	144	SSB	Bettina	
2	20190801	0954	DL0QW	59	59	JO42AI	144	SSB		

edit in the grid

internet connection

Refresh

no upload

DL3YCW - Michael - JO42HA

DL4MFM/P  
DM/NS-108  
DLFF-0125

JO42AH  
10 km  
5 km/qso  
500 GMAC

Upload to GMA  
upload logfile

Space

Call send rcvd Serial Locator MHz Mode Remarks wkld Ref

Tab

Tab Space

Tab Space

Tab Space

Tab Space

Tab Space

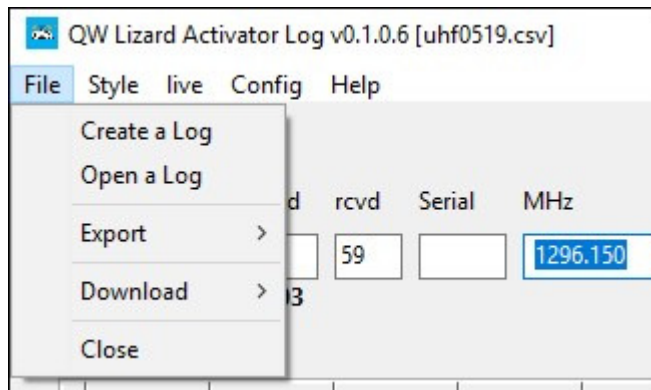
Tab Space

Tab

**!** If your internet connection breaks down, "no upload" will appear in the bottom left corner of the status bar. You can log on normally, only no QSOs will be written to the GMA database, but of course they will be saved locally in your log file. When the internet connection is restored (menu **live** => click on **Live QSO Upload**) you can write the whole logbook with the button [**Upload to GMA**] into the GMA database. Then log on normally.

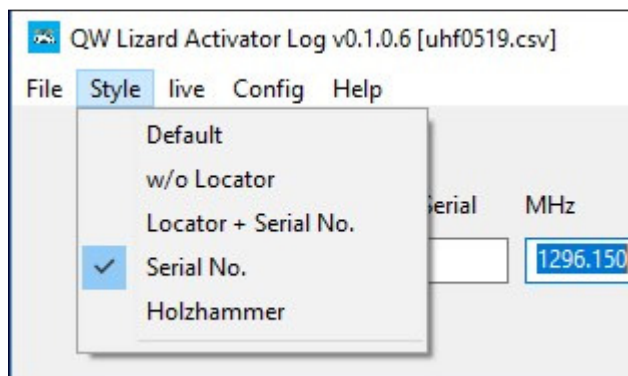
## The Menus

### File



In the **File** Menu Create, Open and Export Logs. Download the GMA Thesaurus (Callsigns, Names, Locators from GMA DataBase for the last 12 month)

### Style

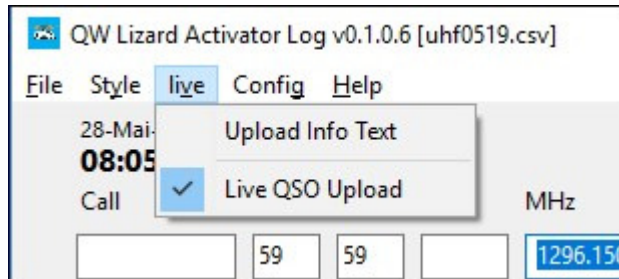


From **Style** menu choose your logging mask

## LIVE

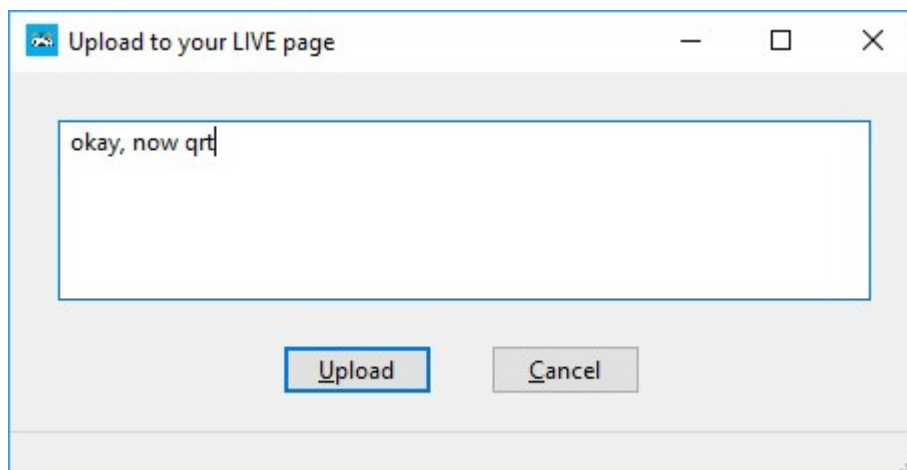




**You need an internet connection to use live features**



The live menu is for GMA connection. You can Upload an information text to your live website on cqGMA.org. With **LIVE QSO Upload** you enabled or disable the automatic upload qso by qso to your activator log in cqGMA

Example for information text:



Global Mountain Activity - [www.cqGMA.net](http://www.cqGMA.net)

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









**GMA - LIVE Page - DL4MFM**

DL4MFM's info

**26.05.2019 13:47 UTC**

okay, now qrt.

**The last 10 Live-QSOs**

Date	UTC	Activator Call	Ref	Locator	worked	QRG	Mode	RST		Loc	QRB	Remarks	wkd Ref
								tx	rx				
26-May-2019	13:46	DM7N	DA/NI-096	JO42BJ	 S52NR	28.000	cw	599	599				
26-May-2019	13:44	DM7N	DA/NI-096	JO42BJ	 MU2K	28.000	cw	599	599				
26-May-2019	13:41	DM7N	DA/NI-096	JO42BJ	 Z66X	21.000	cw	599	599				
26-May-2019	13:38	DM7N	DA/NI-096	JO42BJ	 II9P	21.000	cw	599	599				
26-May-2019	13:37	DM7N	DA/NI-096	JO42BJ	 9A0BB	21.000	cw	599	599				
26-May-2019	13:35	DM7N	DA/NI-096	JO42BJ	 E7DX	21.000	cw	599	599				
26-May-2019	13:32	DM7N	DA/NI-096	JO42BJ	 S573G	14.000	cw	599	599				
26-May-2019	13:30	DM7N	DA/NI-096	JO42BJ	 YU1ANO	28.000	cw	599	599				
26-May-2019	13:22	DM7N	DA/NI-096	JO42BJ	 YT7Z	28.000	cw	599	599				
26-May-2019	13:21	DM7N	DA/NI-096	JO42BJ	 IK0YUT	28.000	cw	599	599				

Enter your Callsign  
(partial check)

Logsearch

[\[ Overview | Home \]](#)

GMA - Global Mountain Activity  
DLØQW CC-BY-SA 2019

FAQ | Datenschutzerklärung | Impressum

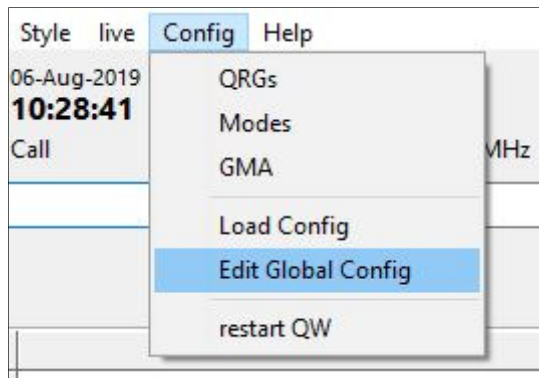
The webaddress of your LIVE website is:

[https://www.cqgma.org/live/?your\\_callsign](https://www.cqgma.org/live/?your_callsign)

It occurs after you logged your first QSO.

The main LIVE menu is <https://www.cqgma.org/live> or click on the **LIVE** button in the GMA menu

## Configuration



The configuration files are located in the subdirectory /cfg.

The default qrg configuration is **bands.cfg**. With the menu item **QRGs** opens the editor and you can add or remove frequencies in MHz value.

```
#-----  
# Default BAND File  
#-----  
1.8  
3.5  
5  
7  
10  
14  
18  
21  
24  
28  
50  
70  
144  
432  
1296
```

The same procedure is used for the modes (modes.cfg).

## Startup Configuration File

There is a default configuration file (**global.cfg**) where you specify your custom data

```
# Global Configuration File for QW Lizard (global.cfg)

# The GMA Website URL
gma=https://www.cqgma.org/

# GMA User and Password for LIVE logging and spotting
gmauser=insert_here_your_username
gmapswd=insert_here-your_password

# SOTA User and Password for spotting on SOTAwatch
# enter your SOTAwatch access on GMA-Website

# frequency input in MHz or kHz
# Default = MHz
# freq=MHz    example: Input 14.035
# freq=kHz    example: Input 14035
freq=MHz

# Here the default frequency file can be defined
bands=bands.cfg

# Start in Live-Mode = yes
# Startprogramm offline = no
live=no

# Default Start with Style
# 0 = default = logging with QTH locator
# 1 = logging without QTH locator
# 2 = logging with QTH-Locator and Serial Number (VHF Contest)
# 3 = logging with serial number, without QTH locator
# H = HolzhammerContest (w/o Locator)
# L = HolzhammerContest (w/ Locator)
style=0

# Dupe Check  hint: it is always possible to log dupe-QSOs
# dupe=0 : No Dupe Check
# dupe=1 : Callsign Dupe Check by Band
# dupe=2 : Callsign Dupe Check by Band AND Mode
dupe=1

# Holzhammer Contest Style
# hhc=0    QW Lizard starts in normal Activator Mode
# hhc=1    QW Lizard starts for Non-Activators (Home Stations etc)
hhc=0

# log the log
# log all inputs in a text logfile [yes|no] <filename>.log
log=yes

# Editor for editing textfiles / cfg-files
# editor=C:\Program Files\Notepad++\notepad++.exe
# editor=notepad.exe
editor=notepad.exe
```

You can create additional configuration files. These configuration files overwrite the global.cfg and can have different effects on the program start.

**An example:** You want to perform an activity during a VHF contest and create a configuration that exactly meets these requirements:

Only VHF bands should be selectable.

The program should start with the input option for serial number and QTH locator.

```
# DARC/IARU Reg 1 VHF/UHF/Microwave Contest (Serial Number, Locator)
#-----
# This Configuration overrides the global.cfg
# Diese Konfiguration überschreibt die global.cfg
#-----

freq=MHz
bands=vhfcontest.cfg
live=no
style=2
dupe=1
log=yes
```

- The first line is the information text for the selection in **Load Config**.
- Input frequency should be in MHz
- It starts up without live upload to GMA (you can change this during the running time)
- The logging mask contains serial number and QTH locator.
- Dupe check by band
- A logging file of all your inputs is created

Another configuration example for the Holzhammer Contest for base stations or stations that are not invoked in GMA. Differences to the default configuration file are marked.

```
# QW Lizard for Holzhammercontest Base Stations
#-----
# This Configuration overrides the global.cfg
# Diese Konfiguration überschreibt die global.cfg
#-----

# frequency input in MHz or kHz
# Default = MHz
# freq=MHz    example: Input 14.035
# freq=kHz    example: Input 14035
freq=MHz

# Here the default frequency file can be defined
bands=bands_hhc.cfg

# Start in Live-Mode = yes
# Startprogramm offline = no
live=no      (always no)

# Default Start with Style
# 0 = default = logging with QTH locator
# 1 = logging without QTH locator
# 2 = logging with QTH-Locator and Serial Number (VHF Contest)
# 3 = logging with serial number, without QTH locator
# H = HolzhammerContest (w/o Locator)
# L = HolzhammerContest (w/ Locator)
style=H

# Dupe Check  hint: it is always possible to log dupe-QSOs
# dupe=0 : No Dupe Check
# dupe=1 : Callsign Dupe Check by Band
# dupe=2 : Callsign Dupe Check by Band AND Mode
dupe=1

# Holzhammer Contest Style
# hhc=0    QW Lizard starts in normal Activator Mode
# hhc=1    QW Lizard starts for Non-Activators (Home Stations etc)
hhc=1
```



If you want to create a new configuration file, just copy the default file **global.cfg** to a new file. The filename must start with **gma**, the extension must be **.cfg**.

Example: Copy **global.cfg** to **gma\_new.cfg**

Now edit **gma\_new.cfg**

Holzhammer Contest logging mask

QW Lizard Holzhammer-Contest Log v0.1.0.6 [hh2.csv]

File Config Help

28-Mai-2019 10:29:13

QSO: 042

Call send rcvd HH-No. Locator MHz Mode Remarks

Log

QSO	Date	UTC	Call	send	rcvd	HH No.	MHz	Mode	Remarks
34	20190523	1454	DJ4UF	59	59	1989	3.5	SSB	
35	20190523	1502	DC1BF	59	59		3.5	SSB	
36	20190523	1503	DJ2YE	59	59	2007	3.5	SSB	
37	20190523	1503	DF6QP	59	59	2014	3.5	SSB	
38	20190523	1504	DK3FF	59	59	1996	144	SSB	
39	20190523	1504	DF5BW	59	59		144	SSB	
40	20190523	1504	DJ9MH	59	59	2009	432	SSB	
41	20190523	1505	DL9MH	59	59	1997	432	SSB	

DR0ABC 1234

QRG	QSO	Mlt	Pts
3.5	9	18	162
144	19	42	798
432	6	12	72

Refresh

no upload Log File hh2.csv loaded

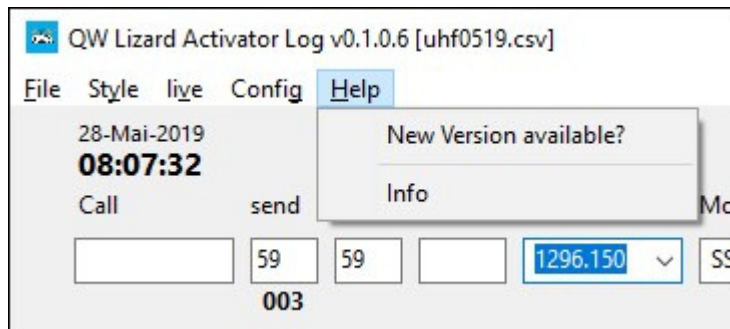
Load Config – Configuration selection:

Load Configuration File [gma.cfg]

gma.cfg	# Standard Configuration File for QW Lizard
gma_hhc.cfg	# QW Lizard for Holzhammercontest Base Stations (ohne Locator Feld)
gma_hhc_loc.cfg	# QW Lizard for Holzhammercontest Base Stations (mit Locator Feld)
gma_vhfcontest.c	# DARC/IARU Reg 1 VHF/UHF/Microwave Contest (Serial Number, Locator)

Select Edit Cancel

- Select and click [Select] or just double click on the selected configuration file. The QW Lizard restarts automatically with the new configuration details.
- Select and click [Edit] to edit these configuration file



If a new version is available, goto <https://www.cgma.org/live> and download the new version.