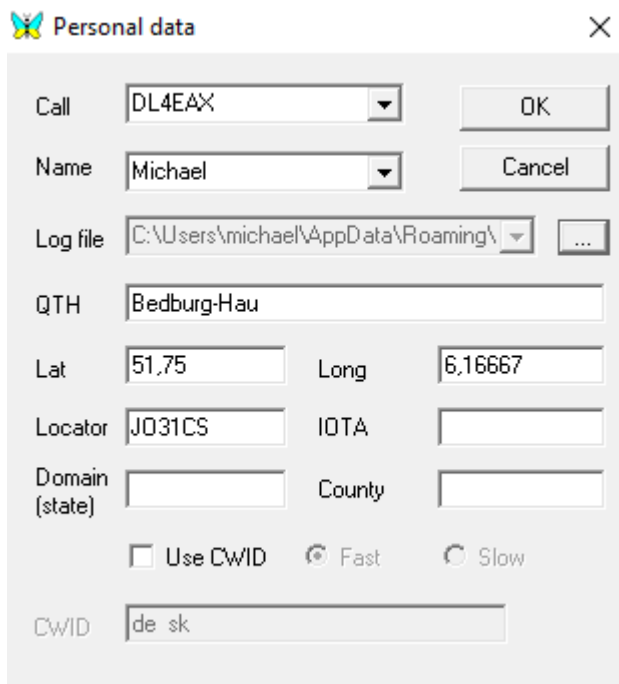


## Usage of MixW 3.2.105 in the Makrothen RTTY Contest

1. Download <http://mixw.net/index.php?j=downloads>
2. Install the software.
3. Download the contest definition from [www.digitalrus.ru](http://www.digitalrus.ru)  
Deep link: <http://www.digitalrus.ru/Files/StatsMakrothen.zip>
4. Unpack the contest definition, it contains two files:  
StatsMakrothen.dll and makrothen.mc.
5. Copy StatsCQWWRTTY.dll to the MixW plugin directory.  
This is the directory C:\Users\<USERNAME>\AppData\Roaming\MixW3\Plugins  
For example: C:\Users\michael\AppData\Roaming\MixW3\Plugins
6. Copy makrothen.mc to the MixW macro directory.  
This is the directory C:\Users\<USERNAME>\AppData\Roaming\MixW3\ MixMacros  
For example: C:\Users\michael\AppData\Roaming\MixW3\ MixMacros
7. Go to C:\Users\<USERNAME>\AppData\Roaming\MixW3\Logs\ (for example  
C:\Users\michael\AppData\Roaming\MixW3\Logs) and create an empty file named  
"Makrothen-2021.log".
8. Start MixW and Configure menu Layout 2:  
View -> Menu -> Layout 2
9. Configure user:  
Logging -> Personal Data:



**Personal data** [X]

Call: DL4EAX [OK]

Name: Michael [Cancel]

Log file: C:\Users\michael\AppData\Roaming\ [...]

QTH: Bedburg-Hau

Lat: 51.75 Long: 6.16667

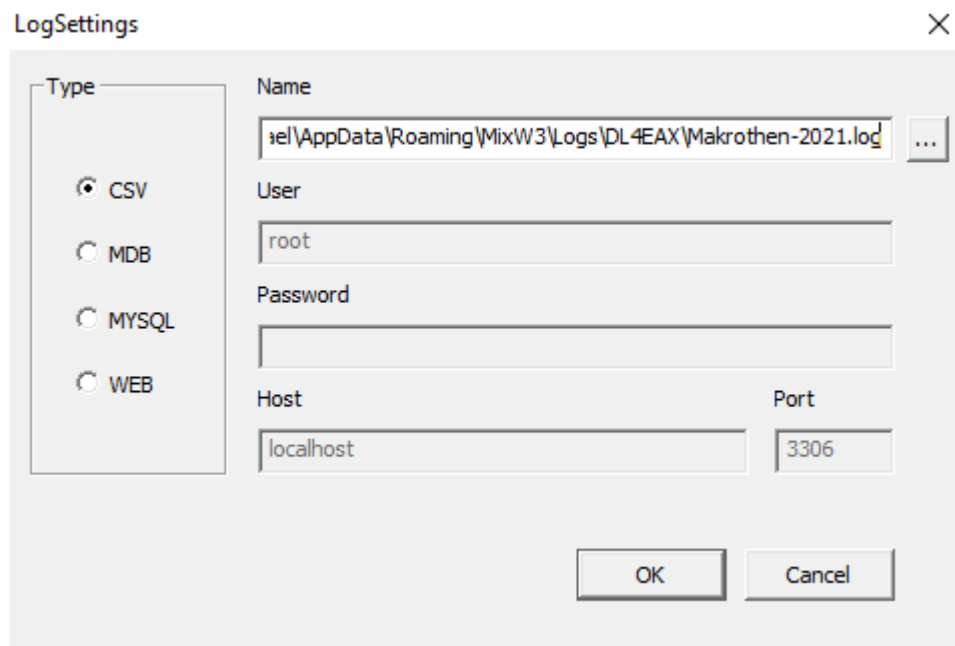
Locator: JO31CS IOTA: [ ]

Domain (state): [ ] County: [ ]

Use CWID  Fast  Slow

CWID: de sk

At „Log file“, select the file created in step 7 (CSV format):



10. Configure hardware (varies depending on circumstances):

Hardware > Sound Device Settings

Hardware > CAT Settings

Hardware > PTT Port Settings

After that, a trial QSO is recommended. PSK31 on 20m is still active...

11. Set up the contest:

Logging -> Contest Mode

A window appears, on the right side click "Add new ...".

12. The following shall be set here (example):

Contest settings

Name: Makrothen RTTY Your call: DL4EAX

Start: 09.10.2021 00:00:00 NR Sent: J031  Autolnc

End: 10.10.2021 16:00:00

Auto grab:  Number  Serial  Time  ITU  Domain  CQ

Suggest:  CQ zone  ITU zone  Domain  DXCC prefix

Statistics: Makrothen

Dupe checking:  Regardless of band  Regardless of mode

Domains listed in: [ ]

Macros: C:\Users\michael\AppData\ [ ] Edit...  Merge macros

Notes: [ ]

Name: Freely selectable

Your call: Call sign used in the contest

NR Sent: The first 4 characters of your "Maidenhead Grid Square Locator"

Start: Start date and time

End: End date and time

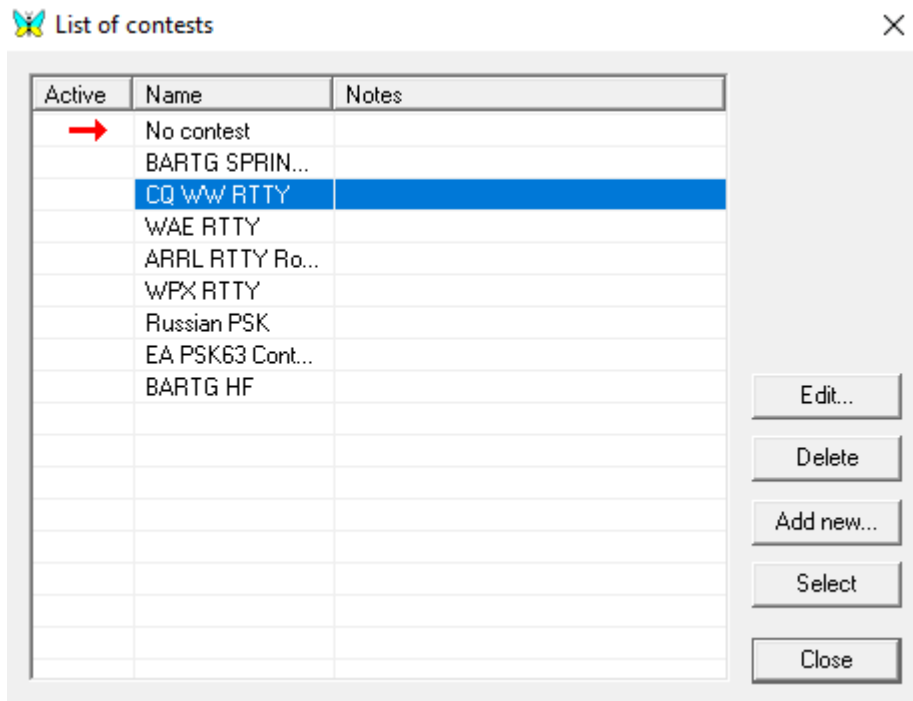
Take "Auto grab" and "Suggest" from the picture

Statistics: Select the Makrothen here

Macros: Enter the macro file defined in point 6 here

**Click OK**

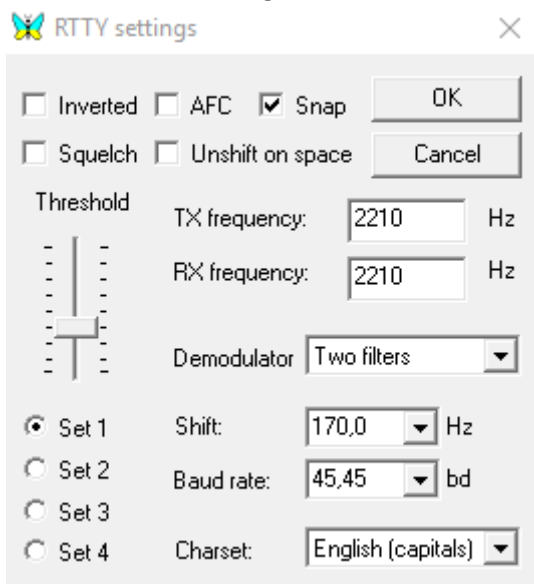
13. Click "Select" and then "Close":



14. We are now in contest mode, you can see that at the top of the program:

DL4EAX - Contest: Makrothen RTTY - Current log: C:\Users\michael\AppData\Roaming\MixW3\Logs\DL4EAX\Makrothen-2021.log(CSV)

15. Under Mode, set RTTY and check the options again for safety:  
Mode -> Mode Settings ...



**Important here: Shift 170 Hz and baud rate 45.45 bd**

## 16. Explanation of macros:

The first 4 macros are to call CQ yourself.

Macros 5 to 8 are used if you want to respond to a CQ call.

Macros 9 to 11 for inquiries.



CQ: Calling CQ

Hello: QSO Part 1 (DL1ABC JO31 ...)

Long Nr: Repetition QSO Part 1 (in case of queries by the QSO partner)

VIN: Final, i.e. termination of the QSO, automatic saving and QRZ

CALL: Respond to a CQ call

Answer: QSO Part 1 (DL1ABC JO31 ...) and automatic saving

Long Nr: Repetition of QSO Part 1 in case of queries. The data from the previously automatically saved QSO is automatically taken.

QSO B4: Note to the QSO partner about a previous QSO.

MYCALL: Send your call three times.

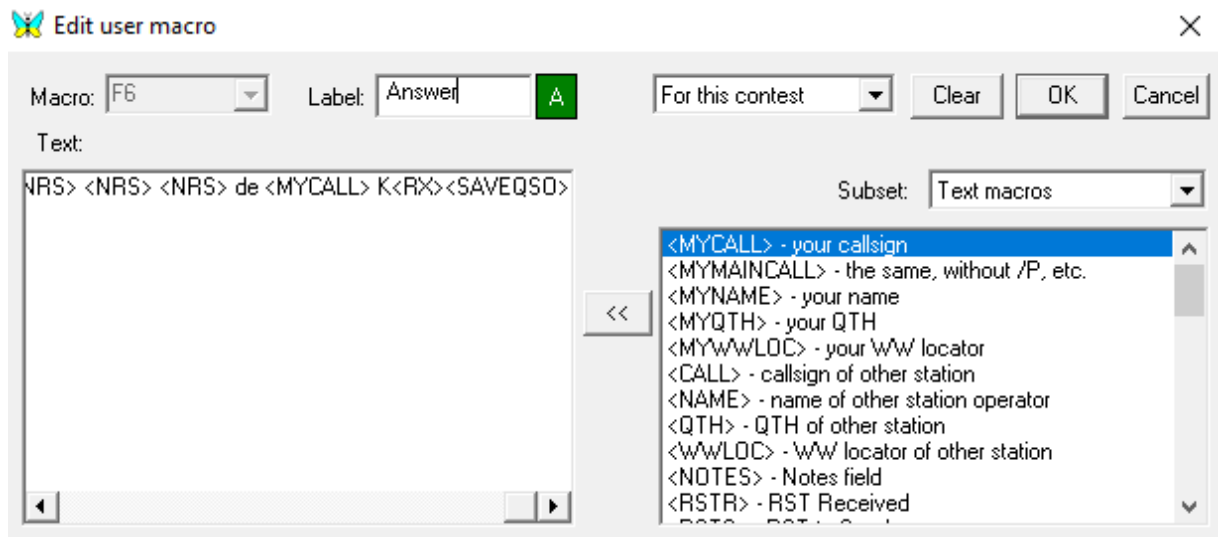
Agn NR: Request to the QSO partner to repeat the report.

Agn ...: Request to the QSO partner to repeat his call sign.

Note: Exchange of a report is not required, just your 4 digit locator.

### How to edit a macro?

Right clicking to a macro will open a dialogue that allows to change it:



Here is an example of the content of the “Answer” macro:

```
<TX><CURSOR:TX><CRLF><CALL> <GA> <NAME> QSL UR <RSTS> <NRS> <NRS> <NRS> de  
<MYCALL> K<RX><SAVEQSO>
```

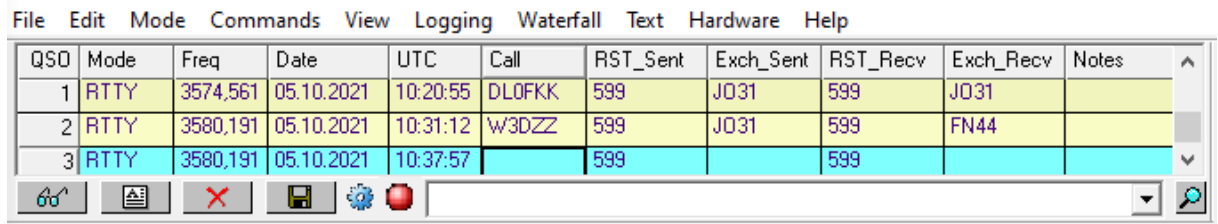
I have changed it because I do not like to send the name and a report is not required anyway.

This is the way it looks now:

<TX><CURSOR:TX><CRLF><CALL> <GA> <NRS> <NRS> <NRS> de <MYCALL>  
K<RX><SAVEQSO>

Based on this, "Answer" will send the following text (example):  
W3DZZ GM JO31 JO31 JO31 de DL4EAX K

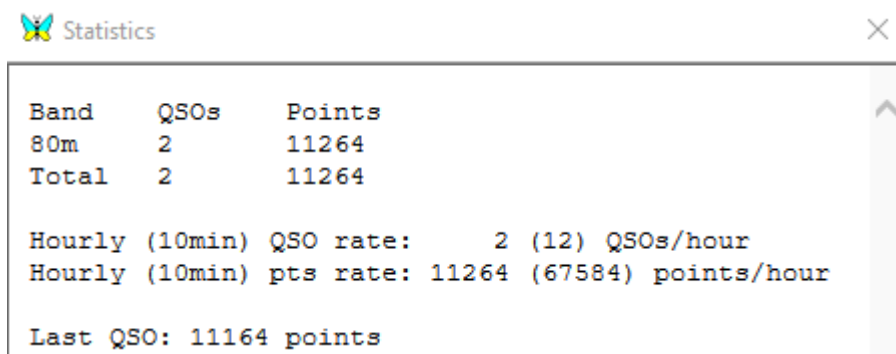
If you like, manually add a few QSOs to get a bit of a feeling how it works:



The screenshot shows a software window with a menu bar (File, Edit, Mode, Commands, View, Logging, Waterfall, Text, Hardware, Help) and a table of QSOs. The table has columns for QSO, Mode, Freq, Date, UTC, Call, RST\_Sent, Exch\_Sent, RST\_Recv, Exch\_Recv, and Notes. Three rows are visible, with the third row highlighted in cyan.

QSO	Mode	Freq	Date	UTC	Call	RST_Sent	Exch_Sent	RST_Recv	Exch_Recv	Notes
1	RTTY	3574,561	05.10.2021	10:20:55	DLOFKK	599	JO31	599	JO31	
2	RTTY	3580,191	05.10.2021	10:31:12	W3DZZ	599	JO31	599	FN44	
3	RTTY	3580,191	05.10.2021	10:37:57		599		599		

The Statistics will show your points:




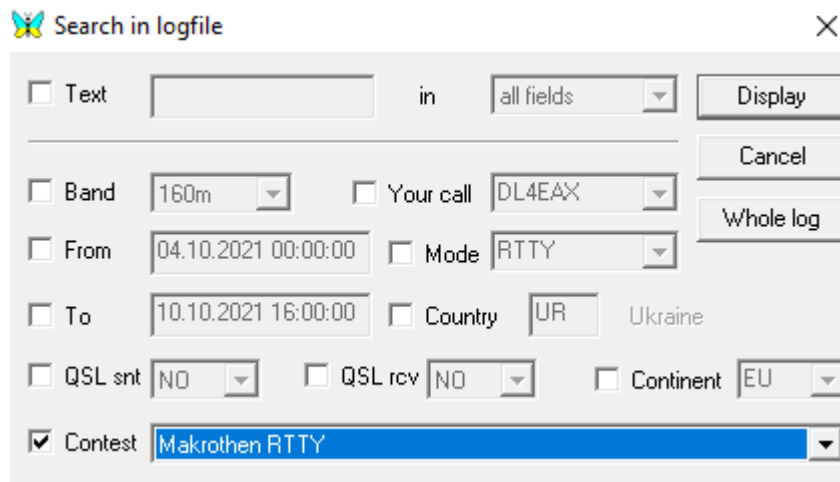
The screenshot shows a 'Statistics' window with a close button (X) in the top right corner. The window displays the following text:

Band	QSOs	Points
80m	2	11264
Total	2	11264

Hourly (10min) QSO rate: 2 (12) QSOs/hour  
Hourly (10min) pts rate: 11264 (67584) points/hour  
Last QSO: 11164 points

17. Creation of a log:

For evaluation click on:  (ALT-R), there you select the contest:

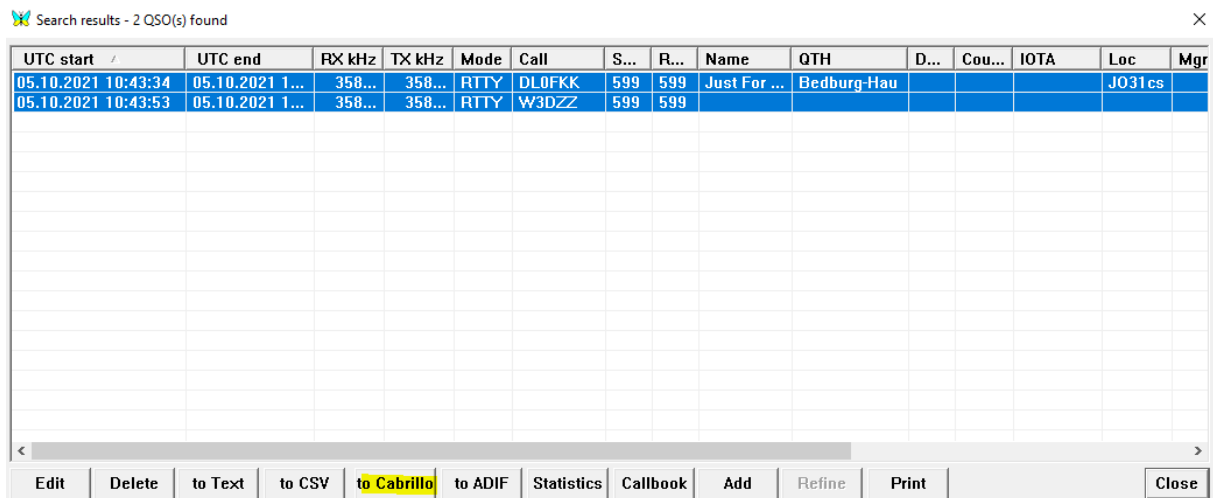


The dialog box 'Search in logfile' contains the following fields and options:

- Text [ ] in [all fields] [Display]
- Band [160m]  Your call [DL4EAX] [Cancel]
- From [04.10.2021 00:00:00]  Mode [RTTY] [Whole log]
- To [10.10.2021 16:00:00]  Country [UR] Ukraine
- QSL snt [NO]  QSL rcv [NO]  Continent [EU]
- Contest [Makrothen RTTY]

Then click on "Display".

18. Select all QSOs and click "to Cabrillo":



Search results - 2 QSO(s) found

UTC start	UTC end	RX kHz	TX kHz	Mode	Call	S...	R...	Name	QTH	D...	Cou...	IOTA	Loc	Mgr
05.10.2021 10:43:34	05.10.2021 1...	358...	358...	RTTY	DL0FKK	599	599	Just For ...	Bedburg-Hau				JO31cs	
05.10.2021 10:43:53	05.10.2021 1...	358...	358...	RTTY	W3DZZ	599	599							

Buttons: Edit, Delete, to Text, to CSV, **to Cabrillo**, to ADIF, Statistics, Callbook, Add, Refine, Print, Close

19. Here are a few things to enter or change:

Makrothen RTTY

CONTEST: MAKROTHEN

CALLSIGN: DL4EAX CLAIMED:

CATEGORY: LOW CATEGORY-MODE: RTTY

NAME: Michael Funke

ADDRESS: Markusstr. 22  
47551 Bedburg-Hau

OPERATORS: DL4EAX

CLUB: JUST FOR FUN CONTEST CLUB

SOAPBOX:

E-MAIL: dl4eax@darc.de

OK CANCEL

CATEGORY: Depending on your output power.

Name, address, etc.

OPERATORS: Own call sign

CLUB: Just for Fun Contest Club

E-MAIL: Own e-mail address

20. Logging -> Contest Mode -> No Contest -> Select -> Close

21. The log can be found in this configuration directory:

C:\Users\\AppData\Roaming\MixW3

For example, C:\Users\michael\AppData\Roaming\MixW3

For example, the file name is: DL4EAX.cbr

22. Upload to the organizer:

<https://www.pl259.org/makrothen/log-submission/>



## Michael Funke – DL4EAX

### Annex: Example log

START-OF-LOG: 2.0

CONTEST: MINITEST (to be replaced with MAKROTHEN-RTTY)

CALLSIGN: DL4EAX

CATEGORY: LOW

CATEGORY-MODE: RTTY

CREATED-BY: MixW

NAME: Michael Funke

ADDRESS: Markusstr. 22

47551 Bedburg-Hau

OPERATORS: DL4EAX

EMAIL: dl4eax@darc.de

SOAPBOX:

QSO: 3580 RY 2021-10-05 1043 DL4EAX 599 JO31 DL0FKK 599 JO31

QSO: 3580 RY 2021-10-05 1043 DL4EAX 599 JO31 W3DZZ 599 FN44

END-OF-LOG:

### Cabrillo Reference for this contest:

<https://www.pl259.org/makrothen/log-template/>