



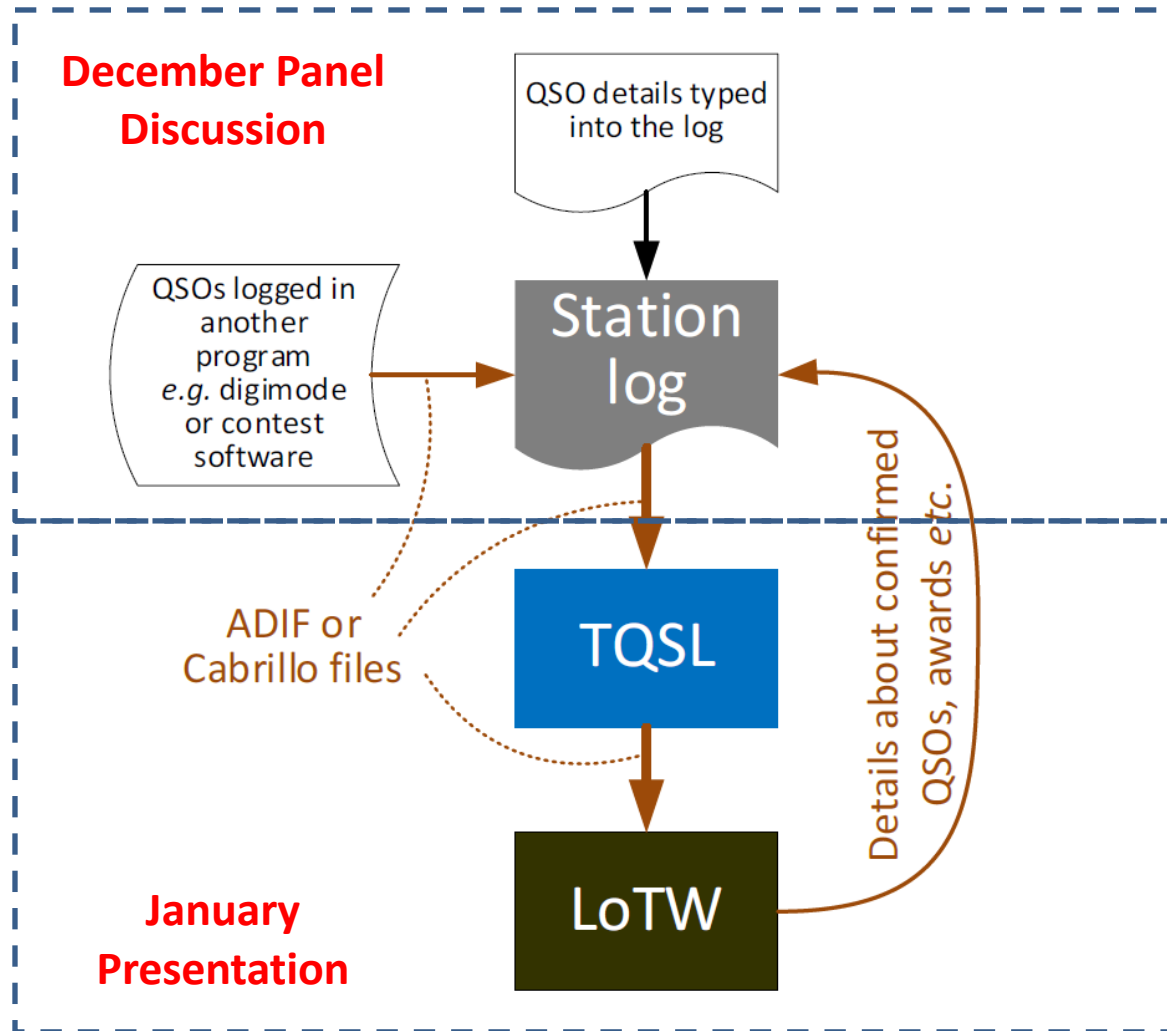
Why Should I Log my QSOs?

Wouldn't it be nice if it was easy to be rewarded for your efforts, submit logs for contests, or just help remember if you worked someone previously?

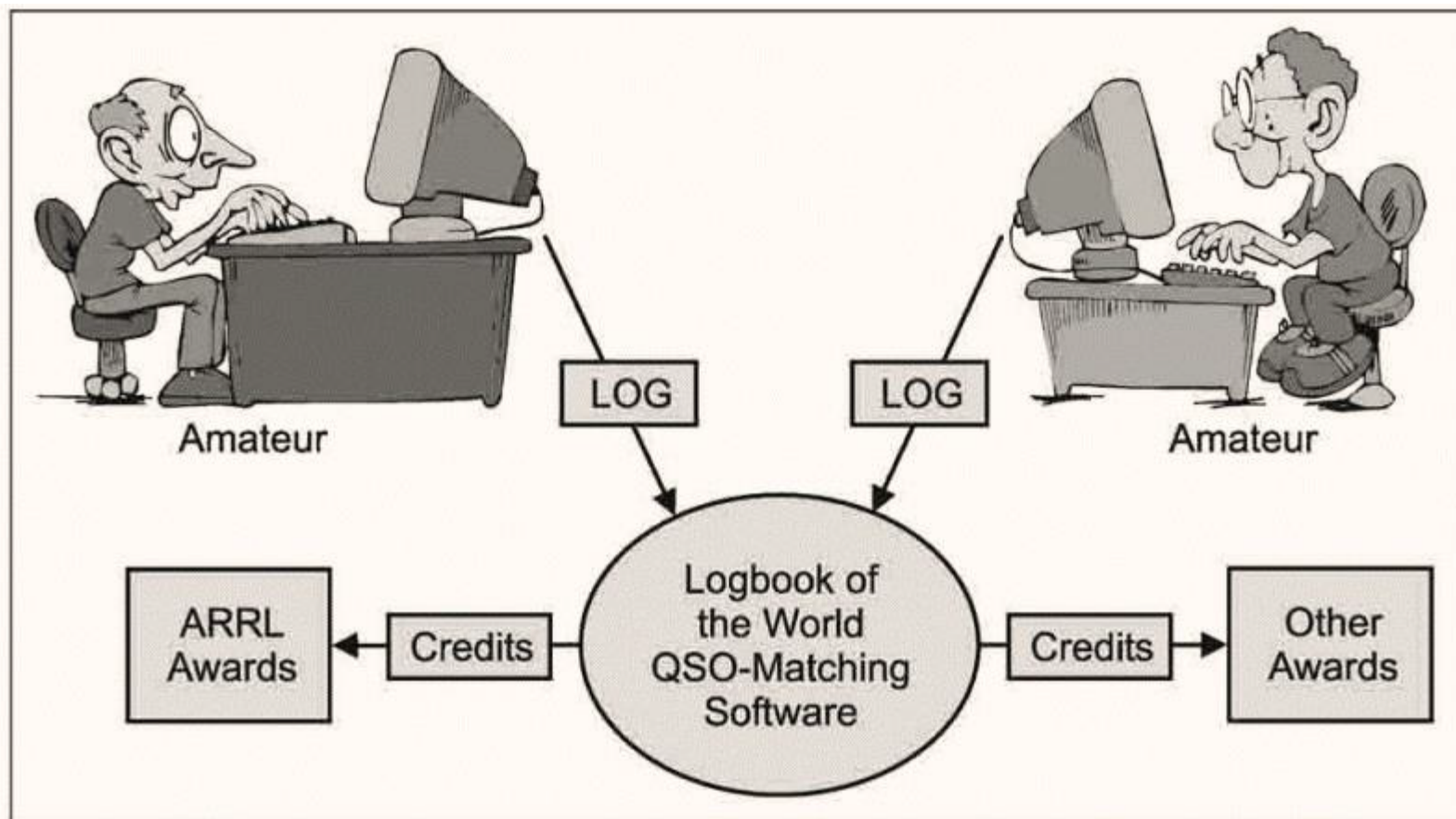
Agenda

- Greg WØGAS
 - Logging Background
- Fred K4ILS
 - WSJT-X/GridTracker
- Greg WØGAS
 - Ham Radio Deluxe
 - N1MM Logger+
- Loren KEØHZ
 - Log4OM2
- Larry NØAMP
 - CQRLog
- Reference Links

Two-Part Presentation



Why Log of the World (LOTW)?



Those who upload logs to Logbook of the World become eligible to redeem confirmation credits for awards. LoTW wants and needs *all* logs. Uploading is free, so send your logs today!

Logging for the Amateur Radio Service

In 1983, the FCC amended its regulations to eliminate the requirement that each amateur radio station maintain a log regarding station operating activities. FCC 82-456.

The old Rule 97.103 had required information about location and dates upon which fixed or portable operation was initiated and terminated.

From the ARRL:

What's in a Log?

There are two essential types of information that every log needs: Information about your operation and information about the station you contact. For your operation record the date, frequency, mode and power output; for the contact station record their call sign, the time the contact started and ended, their signal report, name and location (QTH). When you enter the date and time, Universal Coordinated Time (UTC) or Zulu as it is commonly called, is highly recommended. Using UTC eliminates confusion over time zones or daylight saving time, but you must remember to change the date at 0000Z, which could be anywhere from 4 PM to 7 PM local standard time for a North American station. This is an advantage of the computerized logging programs. They keep UTC date and time straight automatically. Of course, you are free to use local time as long as you indicate this clearly in the log. It is unwise to mix UTC and local times and dates together in the log; use one or the other.

The “Old Way”

While most of this presentation focuses on logging software, don't forget the “Old Way” of logging: pencil and paper. You may want/need this when operating mobile, portable, SOTA, POTA, or when you don't have the use of a computer or the requisite software.

Amateur Radio Logbook

Amateur Radio Logbook

This spiral log book is a useful tool for every ham shack. Includes 52 log pages with room for 25 contacts per page (1,300 total log entries). Size 8.50" x 11".

© 1997-2020, The American Radio Relay League, Inc.



Item No.: 1250

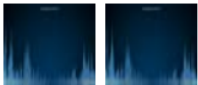
Price: \$7.95

Quantity:

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Look inside ↓



See all 2 images

Ham Radio Log Book Paperback – March 17, 2017

by Journals For All (Author)

★★★★☆ 15 ratings

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Paperback

\$5.99 ✓prime

2 New from \$5.99

Large 8.5 Inches By 11 Inches Radio Log Book

Get Your Copy Today!

Includes sections for

- Date
- Time On
- Freq
- Mode
- Power
- Station

< Read more

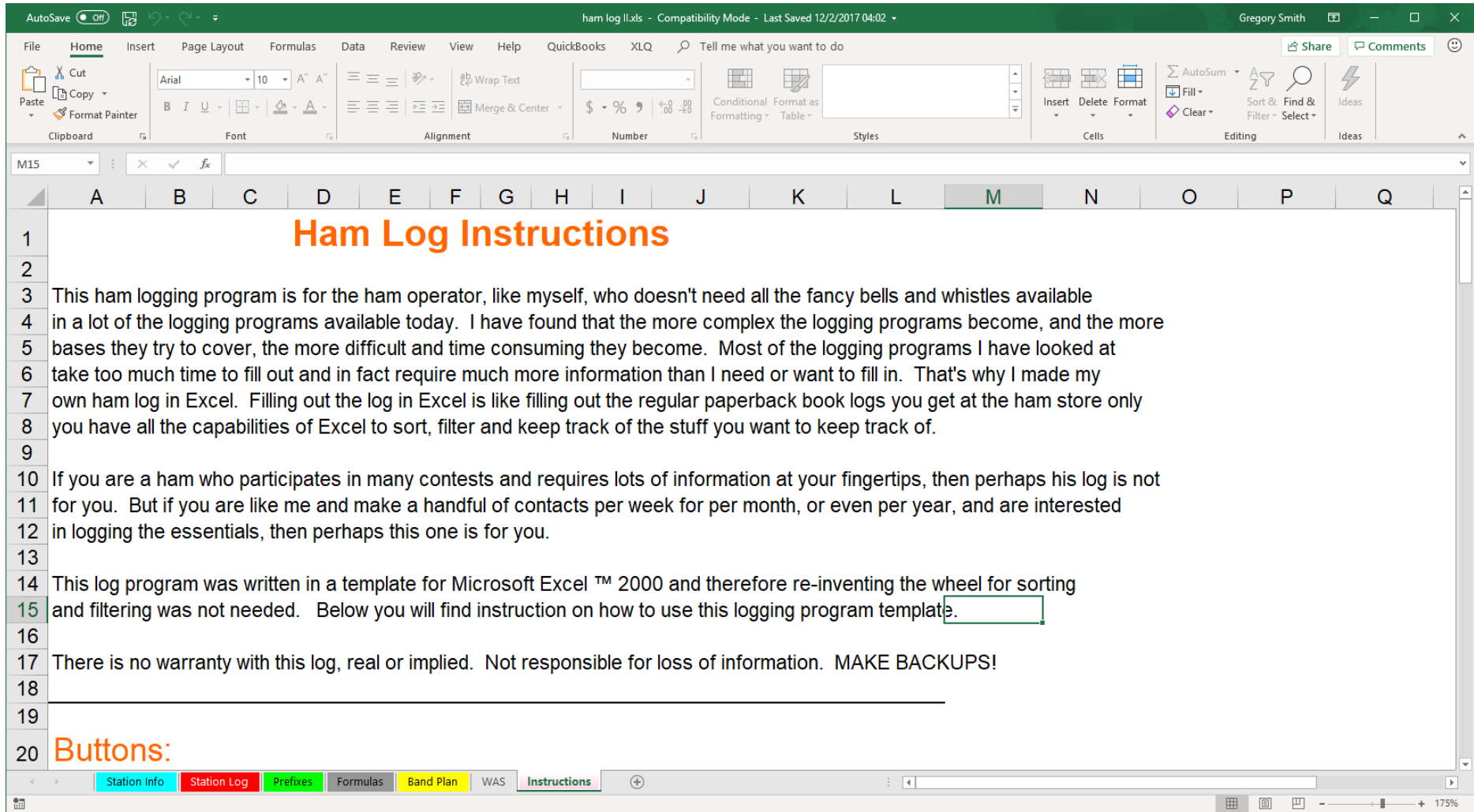
🔗 Report incorrect product information.

The Newer “Old Way”

Using a computer to log without logging software:

- Excel
- Word

HamLog II www.ncrcga.org/files/ham%20log%20II.xls (Newton County Radio Club)





	Date	UTC		Freq.	Key speed	PWR	Call	Name	RST		QTH	State	FISTS NR	Comments
		On	Off						Sent	RCVD				
1	1/16/2019	19:06:03		14.062.000			WG0AT	Steve	599	599	SOTA	CO		So nervous, I sent his call as mine the first time
2	6/30/2019	19:58:00		14.066.000			W7GMM	Gary	599	599	Reno NV	NV		
3	7/6/2019	03:05:03		7.025.000			NR3C	Mike	599	599	Fredonia PA	PA		
4	8/2/2019	22:30:30		14.050.000			WA2TLY	Larry	599	599	Hamburg NY	NY		
5	10/31/2019	20:30:49		7.056.000			W5NED	Neall	599	599	Albuquerque NM	NM		
6	11/2/2019	02:23:10		7.039.210			N2APB	George	599	599	Louden TN	TN		
7	11/2/2019	02:30:38		7.030.710			NA5N	Paul	599	599	NM	NM		
8	11/12/2019	21:42:43		14.052.000			KB4JR	Bernie	599	599	FL	FL		
9	11/12/2019	22:05:43		14.052.000			N6DIQ	Charlie	599	599	CA	CA		
10	11/19/2019	22:04:21		7.058.000			K9GDH	Sam	599	579	IL	IL		
11	12/9/2019	23:20 - 23:34		7.057.990	12	50	WW0Y	Mike	599	599	Grain Valley MO	MO		Late noise and lots of fading
12	12/30/2019	15:30-16:08		7.057.990	12	50	KI4I	Jim	599-589		Bartlett TN	TN		
13	1/2/2020	21:35-22:18		7.109.890	12	100	WA5RES	Larry	599-589		Hailesville	OK		
14	1/2/2020	22:18-22:45		7.109.890	12	100	WB0RAT	Nile	599-599		Conrad	IA		



The “New Way”

Using Logging Software

Logging Software Overview

- Database foundation
 - A logged item is stored in database as a record that can be queried and combined with other records
- User interface
 - Easy input of new QSO data
 - Numerous views of data for many purposes
 - Duplicate contacts
 - Award status
 - Spots
 - Contests
- Import/Export functions
- QSL verifications

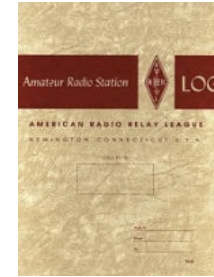
Logger 32

Fred – K4ILA

K4ILA Logging History

Began using a log many years ago.

Kept small log for use with an HT for 2m operations. *ARRL Logging books.*

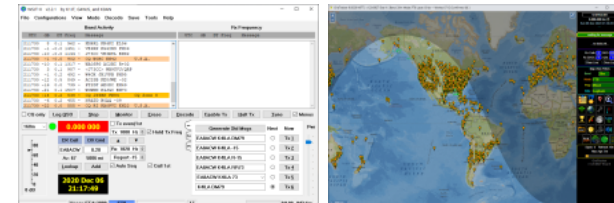


Purchased HF equipment 18 months ago which challenged current logging means. *Logger32.*

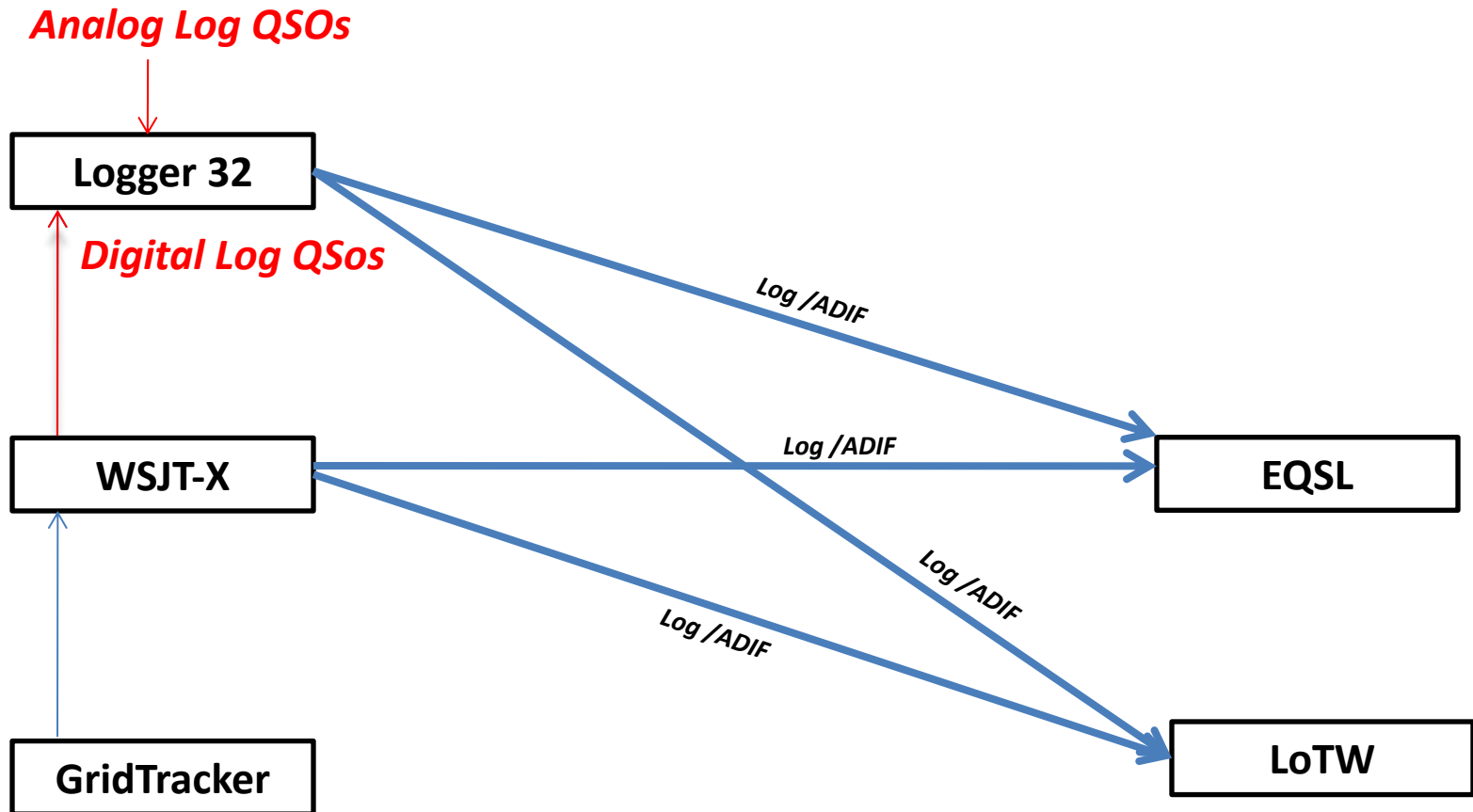


Began Digital Operations FT8 which further increased personal logging requirements.

WSJT-X & GridTracker.



Note: Luckily Logger32, WSJT-X & GridTracker software can input & output ADIF files (ADIF is an open standard for exchange of data between ham radio software packages available from different vendors)



*Provides Name/Address Info
via copy & paste*

***WSJT-X & GridTracker current version do not
support input for non-digital modes!***

GridTracker Configuration



GridTracker ©2020 N0TTL v1.20.0927 Elsa III [Band: 20m Mode: FT8 Layer: Grids -- Worked (711) Confirmed (0)]

Source/Sync	Menu?	Startup?	Log?	Details	Test	Result
GridTracker	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GridTracker QSO Logfile		
Local File(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
PSK-Reporter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24 Hour History		
QRZ.com	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	API Key [REDACTED]	Test	
ClubLog	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Callsign K4ILA Password [REDACTED] Email [REDACTED]	Test	
HRDLOG.net	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Callsign [REDACTED] Upload Code [REDACTED] *** How to get upload code ***	Test	
Cloudlog	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	URL http://127.0.0.1/index.php/api/qso API Key [REDACTED]	Test	
eQSL.cc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	User [REDACTED] Password [REDACTED] QTH Nickname <input type="checkbox"/>	Test	
LotW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Login [REDACTED] Password [REDACTED]	Test Download	
N1MM Logger+	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	IP 127.0.0.1 Port 2333		
Log4OM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	IP 127.0.0.1 Port 2236		
N3FJP Loggers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	IP 127.0.0.1 Port 1100		
DXKeeper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	IP 127.0.0.1 Port 52000		
HRD Logbook	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	IP 127.0.0.1 Port 7826		

GridTracker
0.000.000 Hz (?)
Sat 05 Dec 2020 19:03:09 UTC

waiting for message

...no data yet...

Rx Calls **0** QSO **4148**
Rx DXCC **0** QSL **0**
Clear Live Clear Log

Map View Filters
Band **20m**
Mode **FT8**
Prop **Mixed**
Data **Logbook**

Spots: 0 Refresh: 51s
Max Age: 5m

GridTracker
v1.20.0927 Elsa III

Future?

Future releases of both WSJT-X and GridTracker ***hopefully*** will add logging functionality for other than Digital QSOs. (***SSB, CW, FM, etc***)

But if not, there are other options.

Ham Radio Deluxe

HRD Logbook

Greg WØGAS

Lookup

QRZ.com Logbook X Reset

Callsign: EA8RM

Callsign

LoTW: Yes eQSL: No

40M modes

Bands

Modes

Licensee

Juan Hidalgo

Old callsigns EB8BJX, EC8AWX, EA8CAC

ea8cac@gmail.com

IL28gc

28.124743°, -15.480972°

5,002 miles, 68°

Country

Canary Is.

DXCC=29, Cont=AF

Favorites Lookup Radio Pane

Audio Recorder

Limit: None

Title:

Artist:

My Logbook

Add Contest Delete View Cut Copy Paste Refresh Width Layout Edit Selections QRZ.com Awards Tracking Backup More... Filter QSL Award LOTW Upload LOTW Download

QSO date	Time on	Call	Mode	Su...	Sent	Rc...	Band	Freq	Name	Country	State	LOTW ...	LOTW received
11/18/2020	03:35:40	KO4YB	CW		599	599	40m	7.045.000	BRYAN A CARLISLE	United States	AL	Yes	No
11/14/2020	23:26:03	VE7AHT	CW		599	599	20m	14.055.040	David Arthur Bauer	Canada	BC	Yes	No
11/14/2020	23:03:14	JR2IUB	CW		577	579	20m	14.055.180	TAKEYA SAITOH	Japan		Yes	No
11/12/2020	20:11:35	KN4RD	CW		599	577	20m	14.049.000	RUSS DOREN	United States	FL	Yes	Verified (Match
11/10/2020	17:55:02	F6HKA	CW		589	579	20m	14.055.000	Bertrand "Bert" Banlier	France		Yes	Verified (Match
11/10/2020	17:35:40	AG5AY	CW		599	599	20m	14.055.000	Gerald A Clouatre	United States	LA	Yes	Verified (Match
11/3/2020	20:45:17	KC2EGL	CW		339	589	20m	14.050.000	Michael J Brennan	United States	PA	Yes	No
11/3/2020	20:11:55	N9XCK	CW		579	539	20m	14.055.000	DANNY J CERMINARA	United States	WI	Yes	Verified (Match
11/1/2020	20:24:42	W7GFW	CW		449	599	20m	14.065.000	Gregory F Wright	United States	WA	Yes	Verified (Match
10/31/2020	20:28:55	AG4CC	CW		599	569	20m	14.052.960	Karen E Chancellor	United States	TN	Yes	No
10/31/2020	20:24:40	W5LD	CW		599	599	20m	14.052.960	DENNIS A LITTLE	United States	LA	Yes	No
10/31/2020	20:12:47	W7EEE	CW		599	579	20m	14.052.960	Timothy R Smith	United States	WA	Yes	Verified (Match
10/31/2020	20:08:12	WA6OEF	CW		599	599	20m	14.052.960	PRESTON N PETERSEN	United States	CA	Yes	No

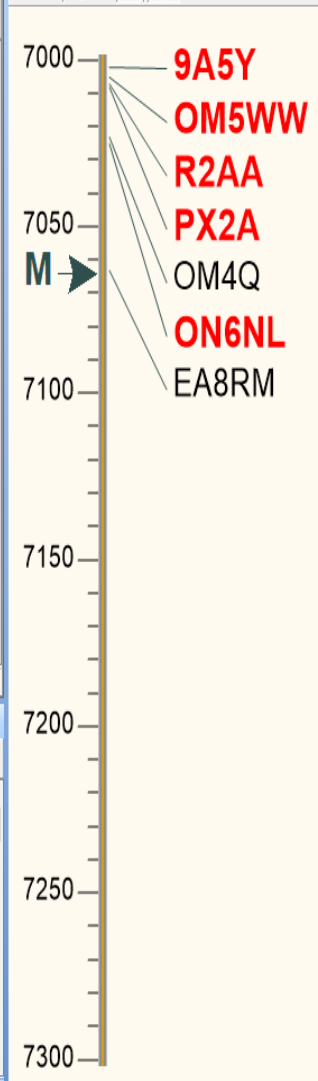
DX Cluster: Spots: WØGAS-9 on WA9PIE-2 * (DXSpider)

Close Show HF WSI Filter None Alarms Options QRZ.com Spot 50 spots 0 updating

C	B	M	L	Time	Band	Mode	DX Call	Freq	DX Country	Comment	SP State	Spotter
✓	✗	✗		2253Z	10m	CW	LU2EM	28.074.0	Buenos-Aires-province-LU	DM34SP<F2>GF05 Tnx, 73	AZ	N7EME
✓	✓	✓	✓	2251Z	20m	CW	VE3EY	14.008.2	Ontario-VE		CA	N6VH
✓	✗	✗	✓	2250Z	10m	CW	CX1TF	28.074.0	Rocha-CX	DM34SP<F2>GF25 Tnx, 73	AZ	N7EME
✓	✓	✓		2250Z	15m	USB	TG9AGH	21.300.0	Guatemala-TG		CA	NZ6G
✓	✓	✓	✓	2249Z	20m	CW	EA7X	14.001.8	Andalusia-EA		CA	N6VH
✓	✓	✓	✓	2248Z	15m	CW	JL1CNY	21.017.0	Kanto-JA		TX	K5LJ
✓	✗	✗	✓	2248Z	10m	CW	CX5ABM	28.074.0	Montevideo-CX	DM34SP<F2>GF15 Tnx, 73	AZ	N7EME
✓	✓	✓	✓	2248Z	20m	USB	EA7JWF	14.219.0	Andalusia-EA	Tony 5/9+	CA	KD6DX

40m (M)

Filter



You can manually type in the call sign

In this window, you will see if the station uses LoTW or eQSL, the name and location of the station will all relevant information. You can also set it up to have one click bring up the logging interface and one other click to bring up the station's QRZ page

The screenshot shows the HRD Logbook interface. At the top, the frequency is set to 7.063.800 MHz. The main window displays a log table with columns for QSO date, Time on, Call, Mode, Su..., Sent, Rc..., Band, Freq, Name, Country, State, LOTW, and LOTW received. A call sign window on the left shows 'EAB8RM' and various station details. A frequency display on the right shows a vertical scale from 7000 to 7300 MHz, with call signs 9A5Y, OM5WW, R2AA, PX2A, OM4Q, ON6NL, and EA8RM listed. A DX Cluster window at the bottom shows a table of spots.

C	B	M	L	Time	Band	Mode	DX Call	Freq	DX Country	Comment	SP State	Spotter
✓	✓	✗	✗	2253Z	10m	CW	LU2EM	28.074.0	Buenos-Aires-province-LU	DM34SP<F2>GF05 Tnx, 73	AZ	N7EME
✓	✓	✓	✓	2251Z	20m	CW	VE3EY	14.008.2	Ontario-VE		CA	N6VH
✓	✓	✗	✗	2250Z	10m	CW	CX1TF	28.074.0	Rocha-CX	DM34SP<F2>GF25 Tnx, 73	AZ	N7EME
✓	✓	✓	✓	2250Z	15m	USB	TG9AGH	21.300.0	Guatemala-TG		CA	NZ6G
✓	✓	✓	✓	2249Z	20m	CW	EA7X	14.001.8	Andalusia-EA		CA	N6VH
✓	✓	✓	✓	2248Z	15m	CW	JL1CNY	21.017.0	Kanto-JA		TX	KSLJ
✓	✓	✗	✗	2248Z	10m	CW	CX5ABM	28.074.0	Montevideo-CX	DM34SP<F2>GF15 Tnx, 73	AZ	N7EME
✓	✓	✓	✓	2248Z	20m	USB	EA7JWF	14.219.0	Andalusia-EA	Tony 5/9+	CA	KD6DX

If you click on the call sign in the Custer it enters it in the call sign window and the rig is tuned to the correct frequency and mode

If you select the spot, the call sign is added and the rig tuned to the correct frequency and mode – even put into split if appropriate

Date: 11/22/2018 Freq (MHz): 14.170.000

(F2) Start: 18:57:53 Band: 20m track

(F3) End: 18:57:53 Mode: USB track

(F5) Call: ZS1OPB Find Lookup

LoTW

RST Sent: 59

RST Rcvd: 59

Locator: JF96gj

Name: Robert Lock

State: Western Cape

Comment:

QTH: Cape Fams

WPX: ZS1

Country: Republic of South Africa

Contact SWL report

Rotator: -31.5111 19.7111 101°/281°, 9331mi Log Coordinates Rotator

Logbook Worked Country Contact Location IOTA Ant/Sat Award Contest

All QSOs Partial Exact 25 100 Width Layout Copy Refresh

Load Delete View End Now

QSO date	Time on	Call	Mode	Sent	Rcvd	Band	Name	Country

Add: My Logbook

File Edit Options Tracking Show:Fields Show:Tabs

Date: 11/22/2018 Freq (MHz): 14.170.000

(F2) Start: 18:57:53 Band: 20m track

(F3) End: 18:57:53 Mode: USB track

(F5) Call: ZS1OPB Find Lookup

LoTW

RST Sent: 59 RST Rcyd: 59

Name: Robert Lock State: Western Cape

Comment: QTH: Cape Farms

Country: Republic of South Africa WPX: ZS1

Rotator: -33.603129 18.518378 101°/281°, 9331mi Contact SWL report

Logbook Worked Country Contact Location IOTA Ant/Sat Award Contest

Field	Value	-	80m	20m	15m
Callsign	ZS1OPB		✗	✗	✗
Country	Republic of South Africa		✗	✗	✗
Continent	AF		🚩	🟡	🟢
CQ Zone			✗	✗	✗
IOTA			✗	✗	✗
Locator	JF96		✗	✗	✗
Locator	JF96GJ		✗	✗	✗

Add (F7) Cancel Reset (F4) Spot

Add: My Logbook

File Edit Options Tracking Show:Fields Show:Tabs

Date: 11/22/2018 Freq (MHz): 14.170.000

(F2) Start: 18:57:53 Band: 20m track

(F3) End: 18:57:53 Mode: USB track

(F5) Call: ZS1OPB Find Lookup

LoTW

RST Sent: 59 RST Rcyd: 59

Name: Robert Lock State: Western Cape

Comment: QTH: Cape Farms

Country: Republic of South Africa WPX: ZS1

Rotator: -33.603129 18.518378 101°/281°, 9331mi Contact SWL report

Logbook Worked Country Contact Location IOTA Ant/Sat Award Contest

Age: SIG:

Email: SIG info:

URL: 10-10:

Equipment:

Biography:

Add (F7) Cancel Reset (F4) Spot

Add: My Logbook

File Edit Options Tracking Show:Fields Show:Tabs

Date: 11/22/2018 Freq (MHz): 14.170.000

(F2) Start: 18:57:53 Band: 20m track

(F3) End: 18:57:53 Mode: USB track

(F5) Call: ZS10PB Find Lookup

RST Sent: 59 RST Rcvd: 59

Name: Robert Lock Locator: JF96gj

Comment: State: Western Cape

Country: Republic of South Africa QTH: Cape Farms

Rotator: -33.603129 18.518378 101°/281°, 9331mi WPX: ZS1

Contact SWL report

Logbook Worked Country Contact Location IOTA Ant/Sat Award Contest

State/province: Western Cape CQ zone: Distance computed using the 'My Station' locator

QTH: Cape Farms ITU zone:

County: Continent: AF

ARRL sect: Distance: 9331.003 Miles Recalc

Address: Robert Lock Benevento Farm, Honeyvale R Cape Farms, Western Cape Western Cape South Africa

Lat: -33.603129

Lon: 18.518378

Add (F7) Cancel Reset (F4) Spot

Press Look-up for details related to the call sign

Automatically fills in frequency, time, call sign (if known), date and mode, and prompts for RST

Click to spot

Print Layout Help

Band / COL_BAND
Rig / COL_RIG
RX Watts / COL_RX_PWR
TX Watts / COL_TX_PWR
Antenna / COL_ANT_PATH
Name / COL_NAME
Country / COL_COUNTRY
RST In / COL_RST_RCVD
Comment / COL_COMMENT
QSL Via / COL_QSL_VIA

QSO / COL_CALL
Date / COL_QSO_DATE
UTC / COL_TIME_ON
MHz / COL_FREQ
RST / COL_RST_SENT
Mode / COL_MODE

> < Reset

Note: Not all items may fit on a QSL Label.
It is recommended that only the standard QSO, Date, UTC, MHz, RST and Mode be selected.

Label Type

QSL Traditional
 QSL Modern
 Address
 Skip Blank
 U.S. Zip Barcode

Print Range

Selected
 All
 Awards

Arial

XE2BCS, FERNANDO TALAMANTES CASTILLO
ITSMO DE TEHUANTEPEC #297
COL. SAN FERNANDO 2 LA PAZ B.C.S.
BS 23080
Mexico

XE2BCS, FERNANDO TALAMANTES CAST
ITSMO DE TEHUANTEPEC #297
COL. SAN FERNANDO 2 LA PAZ B.C.S.
BS 23080
Mexico

Selected Items: 1 item 4.5 in x 0.9 in

Print Close

Print Layout Help

Band / COL_BAND
 Rig / COL_RIG
 RX Watts / COL_RX_PWR
 TX Watts / COL_TX_PWR
 Antenna / COL_ANT_PATH
 Name / COL_NAME
 Country / COL_COUNTRY
 RST In / COL_RST_RCVD
 Comment / COL_COMMENT
 QSL Via / COL_QSL_VIA

QSO / COL_CALL

Date / COL_QSO_DATE

UTC / COL_TIME_ON

MHz / COL_FREQ

RST / COL_RST_SENT

Mode / COL_MODE

Reset

Note: Not all items may fit on a QSL Label.

It is recommended that only the standard QSO, Date, UTC, MHz, RST and Mode be selected.

Label Type

QSL Traditional

QSL Modern

Address

Skip Blank

U.S. Zip Barcode

Print Range

Selected

All

Awards

Arial

8

To Radio: XE2BCS

WØGAS confirms the following QSO(s):

Date	UTC	MHz	RST	Mode
11-22-2018	00:33	7.076	+01	FT8

To Radio: XE2BCS
 WØGAS confirms the following QSO(s):
 Date UTC MHz RST Mode
 11-22-2018 00:33 7.076 +01 FT8

Selected Items: 1 item 4.5 in × 0.9 in

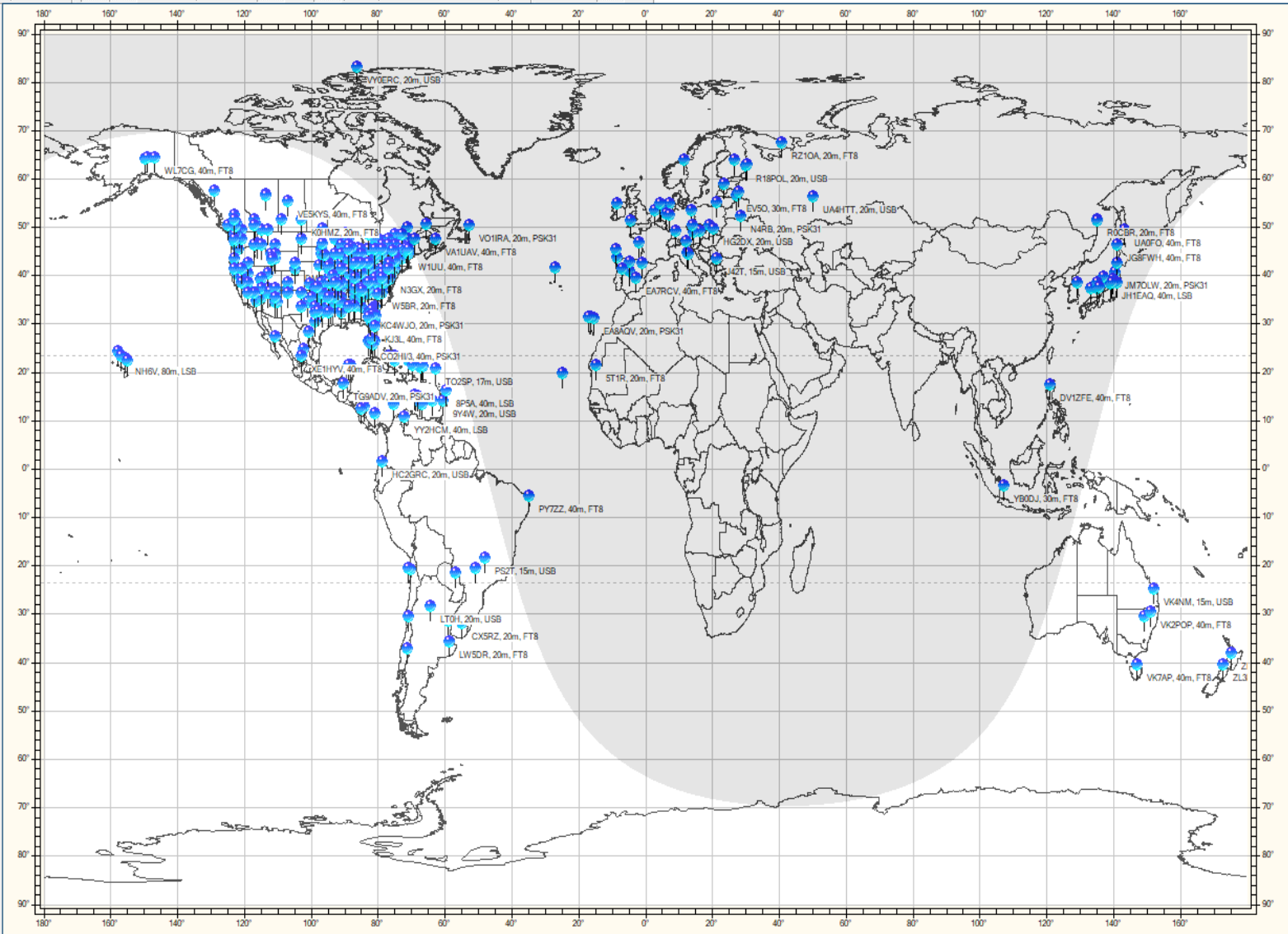
Print

Close



Station Lists

- Logbook Query
- Save Current
- Add Station
- Open File
- Edit List
- Erase



Ham Radio Deluxe:

Pros:

- Full featured:
 - Keep track of separate locations
 - Searchable
 - Customizable
 - Generate labels for QSLs and mailing
 - At a glance see operator info and location of other station
- Seamless integration:
 - Callsign lookup database integration
 - Spot/Cluster integration with rig control
 - Logbook of the World
 - Awards Tracking
 - QSL tracking

Cons:

- Purchase required (includes future fixes of bugs) price = \$99.95 although there are 25% off deals around the end of the year
- Additional yearly maintenance for support and improvements \$49.95 (sometimes there are deals)
- Windows only, no Linux or Mac native versions
- Can be slow (although it may be speeded up if you convert the DB manager to Maria MySQL as the DB manager – recommended for large data files)
- Too cumbersome for contest logging and not well integrated for operating contests

N1MM Logger+

Greg WØGAS

New log for: North American QSO Parties - CWLog Type Start Date

Use Up/Down cursor keys to see long description above.

Contest **Associated Files**

Category

Operator

State for Log Type QSOPARTY

Band

Note - the program does not validate categories. Check the contest rules for valid categories.

Power Mode Overlay Sent Exchange Omit RST. E.g. CQWW: 05 SS: A 56 EMAOperators Soapbox

FTDX-3000 VFO A

14061.03 SH/DX Wide CQ

RIT 0.00 XIT CW

14060

- ON6NL 39° α #
- OH0V 25° New #
- UA4CC 18° #
- ON6NW 39° α #
- OH2BAH 20° New #

14061

- DP6A 37° α New #
- VE4GV 25° α New #
- AE4GV
- UT7IS 27° α #
- MOWJE 40° α New #
- WA3AA
- WA3AAN

14062

- G3VYI 40° α New #
- NU1A
- G6SNJ 40° α #
- RU1A 22°
- HA1AD 35° α New #

14063

- KM5M 141° #
- F6IRA 44° New #
- KM5G 141° #
- YC1JGE 306° #
- YC1JG 306° New #

14064

- K3LR
- K3LP
- RU6CO 24° New #
- TM1D 44° New #

Avail...

Mults Only Bands & Modes

Mults	160	80	40	20	15	10
Qs	0	57	81	96	107	49
Total Qs	0	166	403	554	516	73

Call** Freq Mult?

- SM6CPY 3509.2 # Yes 2
- SS7C 21046... Yes 2
- BYSEA 7004.4 Yes 2
- G3PDH 21011.2 Yes 2
- EA1RKV 14065.7 Yes 2
- CS3B 21149.9 Yes 2
- ZM4T 7062.0 Yes 2
- OH8A 3531.2 Yes 2
- OK2PYA 21118.4... Yes 2
- SP9BCH 7004.5 # Yes 2
- F5OGL 21037.9 Yes 2
- SJ0X 7013.0 # Yes 2
- YT6T 14089... Yes 2
- P3X 21040... Yes 2
- YT5A 7000.1 # Yes 2

Telnet

Type: Reconnect

NA - dx.cnc7j.com:7373 (344/92%) Cluster

DX de 388CW-#: 14085.0 IZ1GAR

DX de NSRZ-#: 21131.2 C06YBC

BYE CONN DWN SH/D USER

Clear Yes NE No No

14061.03 CW FTDX-3000 VFO A

File Edit View Tools Config Window Help

CW DP6A Snt 599 Rcv 599 CQ-Zone 14

Run S&P 29

F1 Qr?	F2 Exch	F3 Tu	F4 W0GAS	F5 His Call	F6 Repeat
F7 Spare	F8 Agn?	F9 Nr?	F10 Call?	F11 Spare	F12 Wipe

Esc: Stop Wipe Log It Edit Mark Store Spot It QRZ

Regional Hdg 37° LP 217° 5071mi 8161km SR 06:57Z SS 15:18Z

DL: EU/FED. REP. OF GERMANY, Zn 14 15/10/11

11/28/2020 14:56:36Z CQ WorldWide CW - W0GAS.s3db

MM-DD HH:MM	Call	Freq	Snt	Rcv	M1	ZN	M2	Pfx	Pts
11-28 02:40	C08ZZ	7068.87	599	599	✓	08	✓	CM	2
11-28 02:43	K3AJ	7061.57	599	599	✓	05	✓	K	0
11-28 02:44	W4PM	7059.13	599	599		05		K	0
11-28 02:55	VA3AR	7040.86	599	599	✓	04	✓	VE	2
11-28 03:07	HI3Y	7037.85	599	599		08		HI	2
11-28 03:08	K3IE	7037.64	599	599		04		K	0
11-28 03:09	W9VW	7035.73	599	599		04		K	0
11-28 03:24	CJ3T	3560.94	599	599	✓	04	✓	VE	2
11-28 03:27	ZF5T	3558.93	599	599	✓	08	✓	ZF	2
11-28 14:22	JR4OZR	7048.63	599	599	✓	25	✓	JA	3
11-28 14:24	VK2IA	7046.33	599	599	✓	30	✓	VK	3
11-28 14:33	VE3NZ	7033.16	599	599		04		VE	2
11-28 14:45	NN3Q	21066.79	599	599	✓	05	✓	K	0
11-28 14:49	K3LR	14063.76	599	599	✓	05	✓	K	0
11-28 14:52	RU1A	14062.17	599	599	✓	16	✓	UA	3

Statistics for CQWWCW - 11/28/2020 - Band by Hour

File Statistics Graph

Day	Hr	3.5	7	Tot	Accum
2020-11-28	02	4	4	4	4
2020-11-28	03	2	3	5	9
2020-11-28	14		3	3	12
Total		2	10	12	12

Check Log/Master/Telnet/Call histo... Gray Line

DP6A DP6A

Setup

Info - W0GAS - Exch: 599.4

DP6A - 14061.06 [KD2OGR-# @ -1 min] - CW 13 DB 30 WPM CQ

DL: EU/FED. REP. OF GERMANY, Zn 14, Hdg 37° LP 217° 5071mi 8161km

Sunrise 06:57Z Sunset 15:18Z [Sunset in 23 minutes] His time: 1555(Sat)

Q's - 10, 100, 60m, 56m

Q's/Hr

Goal 50

11 11 6 6

Next Goal 50

W0GAS

Last QSO

04:28

Band map window with spots

Multiplier and Bands and modes

Log

Statistics

DX Spotting Cluster

Check log

Grayline map

QSO rates

Main control panel

The ✓ mark indicates a known call sign

Time since last QSO

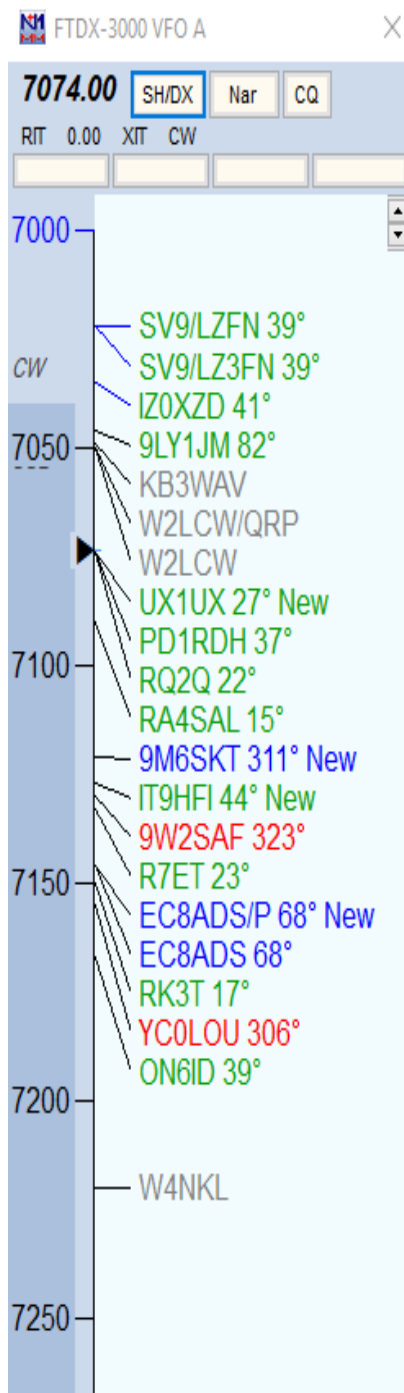
The screenshot displays the FTDX-3000 VFO A software interface with several windows open:

- Band map window:** Shows frequency bands from 14060 to 14064 MHz with various DX spots and call signs like ON6NL, OH0V, UA4CC, etc.
- Multiplier and Bands and modes:** A table showing multipliers and bands for different modes.

Mults	80	40	20	15	10
0	57	81	96	107	49
0	166	403	554	516	73
Total Qs	0	166	444	601	655
- Log:** A table of QSOs with columns for date, time, call, frequency, sent, received, multiplier, zone, mode, prefix, and points.

MM-DD HH:MM	Call	Freq	Snt	Rcv	M1	ZN	M2	Pfx	Pts
11-28 02:40	CO8ZZ	7068.87	599	599	✓08		✓	CM	2
11-28 02:43	K3AJ	7061.57	599	599	✓05		✓	K	0
11-28 02:44	W4PM	7059.13	599	599	05			K	0
11-28 02:55	VA3AR	7040.86	599	599	✓04		✓	VE	2
11-28 03:07	HI3Y	7037.85	599	599	08		✓	HI	2
11-28 03:08	K3IE	7037.64	599	599	04			K	0
11-28 03:09	W9VW	7035.73	599	599	04			K	0
11-28 03:24	CJ3T	3560.94	599	599	✓04		✓	VE	2
11-28 03:27	ZF5T	3558.93	599	599	08		✓	ZF	2
11-28 14:22	JR40ZR	7048.63	599	599	✓25		✓	JA	3
11-28 14:24	VK2IA	7046.33	599	599	✓30		✓	VK	3
11-28 14:33	VE3NZ	7033.16	599	599	04		✓	VE	2
11-28 14:45	NN3Q	21066.79	599	599	05		✓	K	0
11-28 14:49	K3LR	14063.76	599	599	✓05		✓	K	0
11-28 14:52	RU1A	14062.17	599	599	✓16		✓	UA	3
- Statistics:** A window showing statistics for CQWWCW - 11/28/2020, Band by Hour.

Day	Hr	3.5	7	Tot	Accum
2020-11-28	02	4	4	4	
2020-11-28	03	2	3	5	9
2020-11-28	14	3	3	3	12
Total		2	10	12	12
- DX Spotting Cluster:** A list of call signs and their frequencies, such as DP6A 37° New #, EA4GV 25° New #, etc.
- Check log:** A window showing a list of call signs like DP6A, SP6A, etc.
- Grayline map:** A world map showing the current sun position and grayline.
- QSO rates:** A window showing a bar chart of QSO rates and a world map.
- Main control panel:** The bottom section of the interface showing the current call sign (DP6A), frequency (599), and various control buttons.



N1MM Band Map Window

- SH/DX – sends request to the cluster
- Nar – adjusts the rig's filters
- CQ – QSX to last my last CQ frequency
- RIT/XIT and CW are clickable
 - The number indicates the offset
 - CW permits changing modes
- Color coding of spots:
 - Red – new multiplier
 - Spots from CW Skimmer have a #
 - Spots within prior 2 minutes are noted "new"
- The band map is zoomable
- Single click on a spot – will QSX to that spot.
- Single click on a frequency (perhaps to pick a frequency for calling CQ) will QSX to that frequency
- Clicking the spot also enters the data into the call-frame of the entry window this can be corrected if the call was wrong on the map, but it sets you up to work the station
- With Ctrl or Alt + up or down arrows you move to next frequency or next frequency that is a multiplier

With assisted operation, you are prompted with the last reported Call sign near this frequency. If you enter a call sign for a station previously worked, you are warned it is a Dupe.

If the prompted call sign is correct, hitting space inserts it into the log field

Pressing space again will also fill in the other fields

Press to see QRZ page

File Edit View Tools Config Window Help

7063.80 CW FTDX-3000 VFO A

EA8RM

Snt Rcv Name Comment

160 160
80 80
40 40
30 30
20 20
17 17
15 15
12 12
10 10

Run S&P 31

F1 Qr?	F2 Exch	F3 Tu	F4 W0GAS	F5 His Call	F6 Repeat
F7 Spare	F8 Agn?	F9 Nr?	F10 Call?	F11 Spare	F12 Wipe

Esc: Stop Wipe Log It Edit Mark Store Spot It QRZ

Heading appears here when enabled.

Call history UserText appears here when enabled.

No Score

Selecting Run vs S&P changes what the function keys do.

Set machine sent CW speed (a separate setting allows a different speed for a separate key or a single speed for both)

Function keys are programmable and send CW code or in SSB mode send voice recordings. They may be operated with a mouse or just pressing the appropriate function key.

A separate setting permits "Send on Enter" which causes one function key to be highlighted at each stage of the contact and pressing the enter key sends the highlighted function key and moves the highlight to the next function that will be used. (E.g., click a call on the band map, it will appear above the entry window, once the call is confirmed, press space and press enter (your call will be sent), copy the exchange sent to you, then press enter and your exchange will be sent. Press enter and the contact will be logged.

N1MM Logger+

Pros:

- The top contesting software for ham radio
- Free and frequently updated and improved
- Permits fully integrated contest operations and logging in most modes:
 - DX Cluster integration
 - Simple keyboard/mouse or send on enter navigation
 - Prompting available for assisted operations
- Support for virtually all contest types and exchanges

Cons:

- Not designed for general logging (while it can be used, its features are quite limited for general logging)
- Windows only, no Linux or Mac native versions

Log4OM2

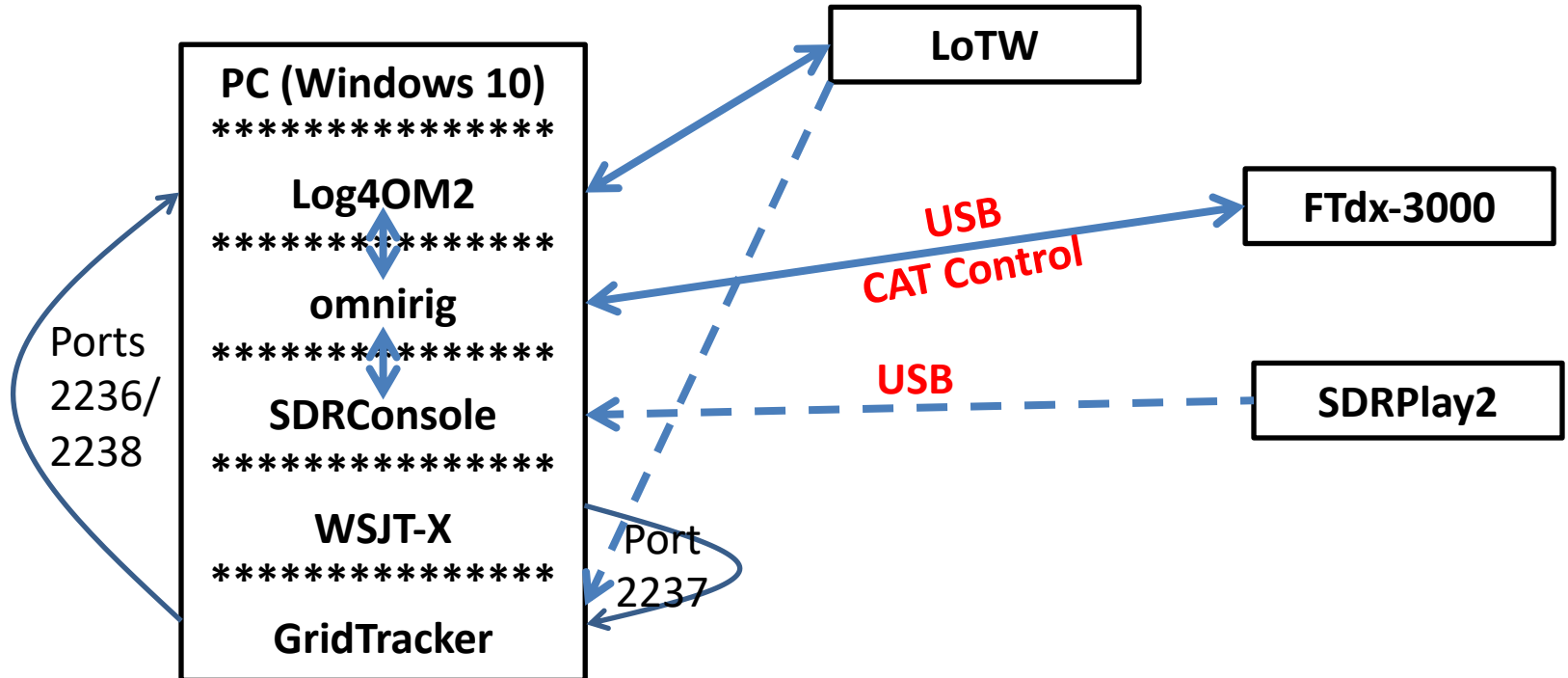
(Log for the Old Man v.2)

Loren KEØHz

Log4OM2 (Log for the Old Man v.2)

- My considerations for a logging application
 - Free – not that I wouldn't pay for something I liked but wanted to try before I buy
 - Easy to use – Intuitive? Help available online (YouTube, etc.)
 - Functions with my transceiver (FTdx-3000), digital mode applications (WSJT-X, JTAlert, GridTracker, FLDigi,), and SDRPlay (used for waterfall and transceiver tuning)

HW & Port Configuration



Contact Info & QSO List

Frequency Automatically Tracked

Enter Call Sign – <Tab> brings up info
<Enter> puts it in log

WOGAS
Gregory A Smith
Band 40m
Mode LSB
Country United States
ITU 7 CQ 4 [291]
Freq 7155 000 RX Freq 7155 000 RX Band 40m

Statistics (F1) Info (F2) Award refs (F3) My Station (F4) Extended info (F5)

County
State Colorado
City LARKSPUR
Address Larkspur Co, United States
QSL Msg
QSL Via

More Data Available

Qso Date	Callsign	Band	Mode	Dxcc	Country	State	Name	Freq	Rst Sent	Rst Rcvd	Comment	Cq Zone	Itu Zone	Gridsquare	Qso End Date	Lotw Received
12/1/2020 23:46:15	WA5RR	30m	FT8	291	United States	TX	Korey W Chandler, Sr	10137.7	+04	-08		5	6	EM04	12/1/2020 23:47:15	Requested
12/1/2020 23:28:30	JH6FTJ	17m	FT8	339	Japan		Johdoh Hideaki	18101.7	-03	-11		25	45	PM51	12/1/2020 23:30:00	Requested
12/1/2020 23:26:00	JJ7SRA	17m	FT8	339	Japan		Hironobu Abe	18101.7	-05	-07		25	45	QM09	12/1/2020 23:27:30	Requested
12/1/2020 23:14:16	KS4S	20m	FT4	291	United States	NC	Wilson N Mc Keithan	14081.6	+03	+03		5	6	FM04	12/1/2020 23:14:45	Requested
12/1/2020 23:13:16	UA0JGG	20m	FT4	15	Asiatic Russia		Valery Morgun	14081.6	-09	-01		17	20		12/1/2020 23:13:45	Requested
12/1/2020 23:09:08	N3YZ	20m	FT4	291	United States	MD	John P Sagi	14081.6	-03	-09		5	6	FM19	12/1/2020 23:09:45	Requested
12/1/2020 23:06:53	KE1R	20m	FT4	291	United States	CT	Thomas W Brooks	14081.6	-18	-03		5	6	FN31	12/1/2020 23:07:30	Requested
12/1/2020 23:03:53	W4CH	20m	FT4	291	United States	FL	Carl M Herrera	14081.6	+06	-01		5	6	EL89	12/1/2020 23:04:22	Requested
12/1/2020 21:01:00	W2JPG	20m	FT4	291	United States	PA	John P Giglio, Jr	14081.6	-03	-18		5	6	FN21	12/1/2020 21:01:22	Requested
12/1/2020 20:57:45	N1GDO	20m	FT4	291	United States	MA	Frank W Pitzi	14081.6	-16	-11		5	6	FN42	12/1/2020 20:58:37	Requested
12/1/2020 20:56:45	W5MO	20m	FT4	291	United States	TX	Monte E Smith	14081.6	+01	-15		5	6	EL09	12/1/2020 20:57:07	Requested
12/1/2020 20:55:30	NSZR	20m	FT4	291	United States	TX	Michael G Champio...	14081.6	+04	-11		5	6	EL09	12/1/2020 20:55:52	Requested
12/1/2020 20:54:30	KN4QHZ	20m	FT4	291	United States	VA	Teddy K Hornsby	14081.6	-02	-09		5	6	FM19	12/1/2020 20:55:07	Requested
12/1/2020 20:53:15	KA3MFM	20m	FT4	291	United States	IN	William K Smith, Jr	14081.6	+11	+06		5	6	EM69	12/1/2020 20:53:52	Requested
12/1/2020 20:52:08	WO3T	20m	FT4	291	United States	PA	Carmen J Peca, Jr	14081.6	+03	+00		5	6	FN00	12/1/2020 20:52:52	Requested
12/1/2020 20:50:15	WB5BHS	20m	FT4	291	United States	AR	John A Evans	14081.6	+11	-02		5	6	EM35	12/1/2020 20:50:37	Requested
12/1/2020 20:44:01	WABQYJ	15m	FT4	291	United States	FL	Robert H Brady, Sr	21141.299	-02	-12		5	6	EL96	12/1/2020 20:44:30	Requested
12/1/2020 20:39:30	AB8RL	15m	FT8	291	United States	WV	Thomas R Gladis	21075.299	+19	-08		5	6	EM98	12/1/2020 20:40:30	Requested
12/1/2020 20:36:45	WVBDX	15m	FT8	291	United States	WV	Dennis D Harpold	21075.299	+16	-03		5	6	EM99	12/1/2020 20:37:45	Requested
12/1/2020 20:34:00	VE3DNF	15m	FT8	1	Canada	ON	Brian Stewart Kremer	21075.299	+05	-05		5	2	EN94	12/1/2020 20:35:00	Requested
12/1/2020 03:25:23	NE7DX	80m	FT4	291	United States	AZ	Richard C Sneddon	3576.101	+05	-04		5	6	DM54	12/1/2020 03:25:52	Requested
12/1/2020 03:13:15	K7HRO	80m	FT8	291	United States	WY	Thomas E De Hoff	3574.95	-02	-13		4	7	DN71	12/1/2020 03:14:15	Yes
12/1/2020 03:10:30	N6HC	80m	FT8	291	United States	CA	Arnold I Shatz	3574.95	-03	-18		5	6	DM13	12/1/2020 03:11:15	Requested
12/1/2020 02:51:15	N5KO	40m	FT8	291	United States	CA	Robert H Garlough	7075.855	+06	-14		5	6	CM97	12/1/2020 02:53:00	Requested
12/1/2020 02:30:45	N5XZ	40m	FT8	291	United States	TX	Allen R Brier	7075.855	-04	-09		5	6	EL29	12/1/2020 02:31:45	Requested
12/1/2020 02:26:23	KC4WQ	40m	FT4	291	United States	KY	John A Sohl, Jr	7049.355	-05	-14		4	8	EM78	12/1/2020 02:26:52	Yes

Spots data

W3SPC
IT9JAV
IU0KNS
I23VDA
EA3TO/P
IK2MMM
F5NLX/P
DL4MO

KEØHZ

Scale 1x WKB BAND MODE

QSO Count 934 Cluster Cluster server Super Cluster CAT FLdigi Chat

Selected 1 of 934 max: 5000

F:\OneDrive\Amateur Radio\Log4OM\KEØHZ-Base.SQLite



MFJ-1106
MFJ
SHOP NOW
Power distribution unit, 6-way, DC



HAM RADIO OUTLET
14 STORE
BUYING POWER
We buy more, so you pay less



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AB INDUSTRIES
Cables and equipment with US flag



MEMBER
QRZ
SUBSCRIBER



MFJ
Dummy Loads

WOGAS USA

GREGORY A SMITH
4955 CHIPPEWA DR
LARKSPUR, CO 80118-8924
USA

QSL: LoTW or direct

Email: Greg@WOGAS.com

XML Subscriber Lookups: 2595

- Biography
- Detail
- Logbook
- Web 42
- Log a NEW contact with WOGAS...



QSO Logging In Real Time

CO8LY

Eduardo Somosá Cremati

Band: 20m, Mode: FT8, Country: Cuba

Start: 11/22/2020 14:29:35

Contest: [LWKD SAME MODE] [LOIYW USER] [QRZ.COM]

Country: [lookup] State: [lookup] QTH: Santiago de Cuba, Address: Santiago De Cuba, Cuba

Callsign	Qso Date	Band	Mode	Dxcc	Country	Rst Rcvd	Rst Sent	Log Information	Keys	Clublog Sent	Qrz Com Sent	Ham QTHSent	Reference1	Reference2
CO8LY	6/9/2020 02:56:00	30m	FT8	70	Cuba	-19	+07	Callsign: CO8L...	CO8LY 6/9/20...	Requested	Requested	Requested		
CO8LY	12/22/2018 20:21:00	40m	FT8	70	Cuba	-21	+02	Callsign: CO8L...	CO8LY 12/22/...	Requested	Requested	Requested		

14080.000 7000.000

20m

14,400
14,350
14,300
14,200
14,100
14,000
13,900

WR5AY
KC5JMJ
3M1XCV
JR7CYR

Scale 1x WKD BAND MODE

Selected 0 of 2 max: 5000

QSO Count 856 Cluster Cluster server Super Cluster CAT FLDigi Chat

F:\OneDrive\Amateur Radio\Log4OM\KE0HZ-Base.SQLite

Worked before tab

Enter Call Sign and lock Start time
Station info populates from lookup
Worked before info available

Automate/Integrate Other Applications

LOG4OM 2 [Profile: KE0HZ Base] [Solar data info K: 2 A: 27 SF: 88 Sunspot: 35]

File Connect Contest View Utilities Settings Help

RX 14080.000 TX 7000.000 Azimuth 51° Elevation 231°

EC7R S +00 R +00 Start 11/22/2020 14:29:35 End 11/23/2020 21:12:07

Statistics (F1) Info (F2) Award refs (F3) My Station (F4) Extended info (F5)

Configuration

- Program Settings
 - Edit program config
 - Program Scheduler
- User Configuration
 - Station Information
 - My References
 - Station configuration
 - Confirmations
 - Database
 - External Services
 - User preferences
- Software Configuration
 - Cluster
 - Info Providers
 - Map Settings
 - Backup
 - VOACAP Propagation
 - Auto Start
 - Chat
- Hardware Configuration
 - Audio devices and voice keyer
 - CAT interface
- Software integration
 - Connections
 - Antenna rotator
 - ADIF Functions
 - Applications
 - FLDigi
 - WSJT-x / JTDx

Send & retrieve messages from other applications

Connections

UDP UDP Proxy Remote Control

UDP INBOUND

Port	Connection name	Service type
0		

Default answer on msg received

UDP OutBOUND

Port	Connection name	Service type
0		

Broadcast Destination IP Address 127.0.0.1

UDP Inbound connections

Service type	Message type	Port	Application
<input checked="" type="checkbox"/>	[ADIF_MESSAGE]	[2238]	GRIDTRACKER CALL
<input checked="" type="checkbox"/>	[JT_MESSAGE]	[2236]	GRIDTRACKER-JT
<input type="checkbox"/>	[ADIF_MESSAGE]	[2336]	GT LOG
<input type="checkbox"/>	[JT_MESSAGE]	[2338]	GT CALL
<input type="checkbox"/>	[JT_MESSAGE]	[2237]	WSJT-DIRECT
<input type="checkbox"/>	[ADIF_MESSAGE]	[2333]	JS8CALL

0 items selected

WSJT-X default port: 2237

UDP Outbound connections

Service type	Message type	Port	Application
--------------	--------------	------	-------------

0 items selected

PSTRotator default port: 12040

281 - Spain

Band	PH	CW
80m		
60m		
40m		
30m		
20m		
17m		
15m		
12m		
10m		
2m		
70cm		

KE0HZ

Sync With Other Services

LOG4OM 2 [Profile: KEØHZ Base] [Solar data info K: 2 A: 27 SFI: 88 Sunspot: 35]

File Connect Contest View Utilities Settings Help

RX TX 14080000 7000000 1 51° 231° 0

EC7R S +00 R +00 Start 11/22/2020 14:29:35 Statistics (F1) Info (F2) Award refs (F3) My Station (F4) Extended info (F5)

QSL Manager

Special activities

Search Select required Upload selected QSO Download confirmations

CALLSIGN

From 11/23/2020 To 11/23/2020 Enable update

Search confirmation **LOTW**

Sent Requested Rcvd No

Sent 11/23/2020 Rcvd 11/23/2020

Range Range

Numerous Services
QRZ, eQSL, LOTW, ...

Callsign	Qso Date	Band	Mode	Confirmation	Sent	Received	Sent Via	Received Via
KA2RQR	11/23/2020 2...	20m	FT4	LOTW	Requested	Requested	Electronic	Electronic
CE2SV	11/23/2020 2...	12m	FT8	LOTW	Requested	Requested	Electronic	Electronic
NM5S	11/23/2020 2...	40m	FT8	LOTW	Requested	Requested	Electronic	Electronic
WW5RC	11/23/2020 2...	20m	FT4	LOTW	Requested	Requested	Electronic	Electronic
W5ZPA	11/23/2020 2...	20m	FT4	LOTW	Requested	Requested	Electronic	Electronic
KE3QZ	11/23/2020 2...	15m	FT8	LOTW	Requested	Requested	Electronic	Electronic

Select/deselect Filters QSO Map Selected 6 of 6 max: 5000

Log4OM2

Pros:

- Full featured:
 - Keep track of separate locations
 - Searchable
 - At a glance see operator info and location of other station
 - Numerous view options
- Straight forward integration for basic usage:
 - Callsign lookup database integration
 - Spot/Cluster integration with rig control
 - Logbook of the World
 - Awards Tracking
 - QSL tracking
- Can grow into it. You don't need to use all the features
- Can be configured for contest logging
- FREE!

Cons:

- Windows only, no Linux or Mac native versions
- Advanced features (integration with JTAlert or GridTracker, contest mode) complicated by conflicting YouTube help (YMMV – may need to experiment)

CQRLog

Larry NØAMP

Why Use CQRLog?

- Only available for Linux
- Vast configuration choices
- Able to upload logs to LoTW (Trusted QSL) and eQSL
- Lookup call signs via internet from QRZ (Paid) or HamQTH
- Interfaces with Fldigi & WSJT-X for digital modes
- Uses hamlib for radio (2) and rotor control
- Uses SQL database for logs
- Logs can reside on local network
- Can handle multiple logs
- Interfaces with N1MM+ remotely
- Multiple profiles
- Can monitor DX Cluster
- Automatic log backup
- Real time uploading to HamQTH, ClubLog, HRDlog
- Customized export of log, ADIF, HTML, etc
- Tracks Awards
- RBN Support
- Sync QSL information from LoTW and eQSL

Main Logging Page

New QSO ... (CQRLOG for Linux), database: N0AMP

File View Window Statistics Online log Help

QSO nr. 0 QTH profile:

Call Frequency Mode AUTO RST sent RST rcvd

Name QTH GRID PWR QSL_S QSL_R

ITU WAZ IOTA State County Award

DXCC ref. Comment to QSO QSL VIA

Offline

Date Start End

Comment to callsign

DXCC statistic

SSB	
CW	
DIGI	

DXCC info

WAZ: Cont:

ITU: DXCC:

LAT: LONG:

DIST: AZIM:

Local:

Callbook (HamQTH.com):

Save QSO [enter] Quit [CTRL+Q]

Log Window

QORLOG for Linux

File View Filter QSL Sort Statistics Callbook Data Online log Help

QSO in log: 1936 DXCC: 64 DXCC CFM: 11

qsodate	time_on	callsign	freq	mode	rst_s	rst_r
2020-12-02	23:43	W9FI	7.0740	FT8	+11	+09
2020-12-02	23:37	K7CA	7.0740	FT8	+08	+02
2020-12-02	23:35	AC8XO	7.0740	FT8	-14	-12
2020-12-02	23:33	VE3PP	10.1360	FT8	-19	-13
2020-12-02	23:27	W7MY	14.0740	FT8	-01	-24
2020-12-02	22:54	VE3XET	14.0740	FT8	-08	+11
2020-12-02	22:37	W7IV	18.1000	FT8	+08	-09
2020-12-02	20:38	K5UAK	10.1360	FT8	-15	-16
2020-12-02	20:14	KE0BRZ	10.1360	FT8	-11	-03
2020-11-30	19:45	N7KDT	10.1360	FT8	-13	-24
2020-11-26	17:37	XE1KK	28.0740	FT8	+18	-15
2020-11-22	21:01	CX5ABM	28.0740	FT8	-07	-17
2020-11-22	20:57	CM2RSV	28.0740	FT8	-02	-09
2020-11-18	02:00	N7KAN	7.0740	FT8	+02	-02
2020-11-17	23:55	AA8Y	7.0740	FT8	-02	+07
2020-11-17	23:36	AJ4F	7.0740	FT8	+07	-10
2020-11-17	23:30	AB8JL	7.0740	FT8	-08	-03

Comment for QSO: _____ QS_S date: _____ LoTW QS_S date: 2020-12-02
Award: _____ QS_R date: _____ LoTW QS_R date: _____

New QSO View QSO Edit QSO Sort Delete QSO Close

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Program and Station Preferences

The screenshot shows the 'Program' tab of the Preferences dialog. The left sidebar lists various preference categories, with 'Program' selected. The main area contains the following settings:

- Internet connection:** Proxy, Port, User, and Password input fields.
- Show statistics in:** Radio buttons for 'MHz' (selected) and 'meters'.
- Default web browser:** A text field containing 'firefox'.
- Check for updates:** Two checked checkboxes: 'Check for newer version of dxcc tables after program startup' and 'Check for newer version of qsl managers database after program startup'.
- Statistics options:** Three unchecked checkboxes: 'Show deleted countries in statistics', 'Show sunrise/sunset in UTC', and 'Show distance in miles'.
- QSO color:** An unchecked checkbox 'QSO older than' followed by a date input field '(YYYY-MM-DD)' and a 'Select' button.
- Offsets:** A checked checkbox 'get UTC time from computer time' and a 'Grayline' input field with '0'.
- Time settings:** 'UTC' and 'Sun rise/set' input fields, both containing '0'.
- Configuration storage settings:** A text field.

Buttons for 'OK', 'Cancel', and 'Help' are located on the right side of the dialog.

The screenshot shows the 'Station' tab of the Preferences dialog. The left sidebar lists various preference categories, with 'Station' selected. The main area contains the following settings:

- Call:** An input field.
- Name:** An input field.
- QTH:** An input field.
- Loc:** An input field.

Buttons for 'OK', 'Cancel', and 'Help' are located on the right side of the dialog.

LoTW and eQSL Upload Configuration

Preferences

Fonts WAZ, ITU zones IOTA Membership Bandmap xplanet support Zip code tracking **LoTW/eQSL support**

Data for access to ARRL LoTW website

User name: Password:

Data for access to eQSL website

User name: Password:

eQSL download start address prefix. Your user data is added as suffix.

eQSL download file address prefix. Adi filename is added as suffix.

Include LoTW and eQSL confirmed countries in DXCC statistic

Use LoTW and eQSL confirmed countries for New country or New band country etc. info

Show info in New QSO window if station uses LoTW/eQSL

Use this color as a background in DX cluster and band map for stations using LoTW

Use this color as a background in DX cluster and band map for stations using eQSL

Upload to eQSL also data in COMMENT field

Program
Station
New QSO
Visible columns
Bands
TRX control
ROT control
Modes
QTH profiles
Export
DXCluster
Fonts
WAZ, ITU zones
IOTA
Membership
Bandmap
xplanet support
Zip code tracking
LoTW/eQSL support
CW interface
fldigi/wsjt interface
Exit & Auto backup
External viewers
Callbook support
RBN support

OK
Cancel
Help

Real Time Logging

Preferences

< CW interface fldigi/wsjt interface Exit Auto backup External viewers Callbook support RBN support Online log upload >

New QSO
Visible columns
Bands
TRX control
ROT control
Modes
QTH profiles
Export
DXCluster
Fonts
WAZ, ITU zones
IOTA
Membership
Bandmap
xplanet support
Zip code tracking
LoTW/eQSL support
CW interface
fldigi/wsjt interface
Exit & Auto backup
External viewers
Callbook support
RBN support
Online log upload
Propagation

HamQTH

Enable upload to HamQTH

User name: Password:

Upload QSO data immediately after save, update or delete

Use this ■ Blue color to show information in status upload window

ClubLog

Enable upload to ClubLog

Callsign: Password: Email:

Upload QSO data immediately after save, update or delete

Use this ■ Red color to show information in status upload window

HRDLog.net

Enable upload to HRDLog.net

Callsign: Code:

Upload QSO data immediately after save, update or delete

Use this ■ Purple color to show information in status upload window

Close the "Status of log upload" window after successful upload

Ignore changes caused by LoTW/eQSL upload or download

OK
Cancel
Help

Radio and Rotator Control

Preferences

Program Station New QSO Visible columns Bands TRX control ROT control Modes QTH Profiles Export

rigctld
Path to rigctld binary:
/usr/bin/rigctld

Radio one Radio two

Radio one, desc.: Radio 1 Host: localhost

RIG model: 1 Hamlib Dummy Device (e.g. /dev/ttyS0): Poll rate: 500 Port number: 4532

Extra command line arguments: Use CWR instead of CW Run rigctld when program starts

Radio one serial parameters

Serial speed:	Data bits:	Stop bits:	Parity:
default	default	default	default

Handshake:	DTR:	RTS:
default	default	default

Switch only between mode related memories

Show communication with TRX in console
You have to run cqlog in console to see the debug messages

OK
Cancel
Help

Preferences

Program Station New QSO Visible columns Bands TRX control ROT control Modes QTH Profiles Export

rotctld
Path to rotctld binary:
/usr/bin/rotctld

Rotor one Rotor two

Rotor one, desc.: Rotor 1 Host: localhost

ROT ID model: Device (e.g. /dev/ttyS0): Poll rate: 500 Port number: 4533

Extra command line arguments: Run rotctld when program starts

Radio one serial parameters

Serial speed:	Data bits:	Stop bits:	Parity:
default	default	default	default

Handshake:	DTR:	RTS:
default	default	default

OK
Cancel
Help

Interfacing to fldigi & WSJT-X

The screenshot shows the 'Preferences' dialog box with the 'fldigi/wsjt interface' tab selected. The left sidebar lists various settings categories, with 'fldigi/wsjt interface' highlighted. The main area is divided into two sections: 'Reading data from fldigi' and 'Reading data from wsjtx'.

Reading data from fldigi

- Run fldigi after entering to Remote mode
- Port: 7362
- Address: 127.0.0.1
- Path to fldigi: [Text Field] [Browse]
- Frequency from: CQRLOG, fldigi, default (3.600)
- Mode from: CQRLOG, fldigi, default (RTTY)
- RST from: fldigi, default (599)
- Try to load QSO from fldigi every 2 seconds
- Drop after SyncErr > 3
- Use XmlRpc

Reading data from wsjtx

- Run wsjtx after entering to Remote mode for wsjtx
- N1MM port: 2333
- Wsjt port: 2237
- N1MM addr: 127.0.0.1
- Wsjt addr: 127.0.0.1
- Path to wsjtx: [Text Field] [Browse]
- Frequency from: CQRLOG, wsjtx, default (3.600)
- Mode from: CQRLOG, wsjtx, default (JT65)
- WB4 chk starts from:
 - Call: 1900-01-01 [15]
 - Loc: 1900-01-01 [15]

References

Download Sites

- <https://www.logger32.net/>
- <https://www.log4om.com/download/>
- <https://www.hamradiodeluxe.com/downloads/>
- <https://cqrlog.com/download>
- <https://www.physics.princeton.edu/pulsar/k1jt/wshtx.html>
- <https://gridtracker.org/downloads/>
- <https://n1mmwp.hamdocs.com/mmfiles/>

How To Videos

- WSJT X Logger32 Automatic logging
<https://www.youtube.com/watch?v=I5snGECK6jl>
- Ham Radio Deluxe and WSJT-X Demo
<https://www.youtube.com/watch?v=ff-cF-d94EQ>
- Configuring WSJT-X, GridTracker & Log4OMv2
<https://www.youtube.com/watch?v=FEPXgMZF5RI&t=285s>
- Setting up WSJT-X & FLDIGI with CQRLog
<https://www.youtube.com/watch?v=2LnXVXLO2wY&t=9s>
<https://www.youtube.com/watch?v=2LnXVXLO2wY&t=9s>