

Note: We will be recording all Bootcamp Sessions. Anyone not wishing to be recorded should mute their video or disconnect.

DXKeeper 12.6.0 [CC-0] - ab10c.mdb (filtered: 2 QSOs [QSL queue: 7 QSLs])

Log QSOs QSL Check Progress my QTHs Import QSOs Export QSOs

**QSO: United States**

call K2TE name Edward QTH Memmack, NH

mode SSB via 28.838 begin 3/30/2014 14:16

sent 59 rcvd 59 tx band 10M rx freq 28.838 end 3/30/2014 14:16

power 1000 code 291 DXCC K entity United States

**Auxiliary**

station call AB10C op call AB10C owner call AB10C temp

sub mode rx band 10M select N Club unique 25284

**QSL**

sent R CFM date sent sent via IOTA vfy WAS vfy WPK vfy

rcvd R VFY date rcvd rcvd via VUCC vfy WAZ vfy

msg add Edward C Diechler 86 Wire Rd Memmack, NH 03054-0323 USA

myQTH Home

**Online QSL**

eQSL loc sent Y CFM date sent 3/31/2014 sent Y CFM date sent 3/31/2014

rcvd R VFY date rcvd rcvd Y VFY date rcvd 3/31/2014

Display image member Y

**Award**

grid FN42 IOTA cont NA WPK K2 CQ 5 ITU 8

ARRL NH state ? NH county ? NH Hillsborough

grid2 grid3 grid4 Zone Risk Country Risk

New Save Undo CBA Delete Report Plot Adv RAT Capture Config Help

QSO UTC	Call	DXCC	PSK	Cont	Band	Mode	Sent	Rcvd	Name	Op Call	STN Call	State	Power	My QTH	Card	eQSL	LoTW	C-Card	CeQSL	C-LoTW
2/22/2014 11:41	K2TE	K	K2	NA	160M	SSB	59	59	Edward	AB10C	AB10C	NH	1000	Home		Y	Y		R	Y
3/30/2014 14:16	K2TE	K	K2	NA	10M	SSB	59	59	Edward	AB10C	AB10C	NH	1000	Home		Y	Y		R	Y

Sort UTC Call Adv Filter: Previous QSOs with K2TE K2TE X Call DXCC Date Since Sel LoTW Broke

DXKeeper Capture 11/3/2014 00:55 Z

call (2) ? K2TE DXCC ? K

RST sent/rcvd 59 mode ? SSB

name Edward tx freq ? 14.320

QTH Memmack, NH rx freq 14.320

state ? NH county ? Hillsborough

QSL requested via cont - ARRL NA NH

use bureau grid FN42 CQ - ITU 5 8

LoTW member IOTA az - path S

eQSL AG pwr 1000 myQTH ID Home

QSL msg

contest mode ID bdt - nft

last QSO 3/30/2014 at 14:16Z on 28.838 in SSB

Lighthouse Continent

WFF WAB Book #

SOTA user-defined 6

Lookup Spot End began 00:55 Z Clear Log

Current 25 Total 25  
+ 131358 + 6321358  
+ 345188 + 18.672708

Drives Meter  
C: 40%  
Used 179.2GB Free 39.72GB  
Total 218.9GB  
+ 0.0008/s + 0.0008/s  
D: 40%  
Used 34.21GB Free 1.78478GB  
Total 1.8169GB  
+ 0.0008/s + 0.0008/s

# LOGGING CONTACTS VIA YOUR COMPUTER

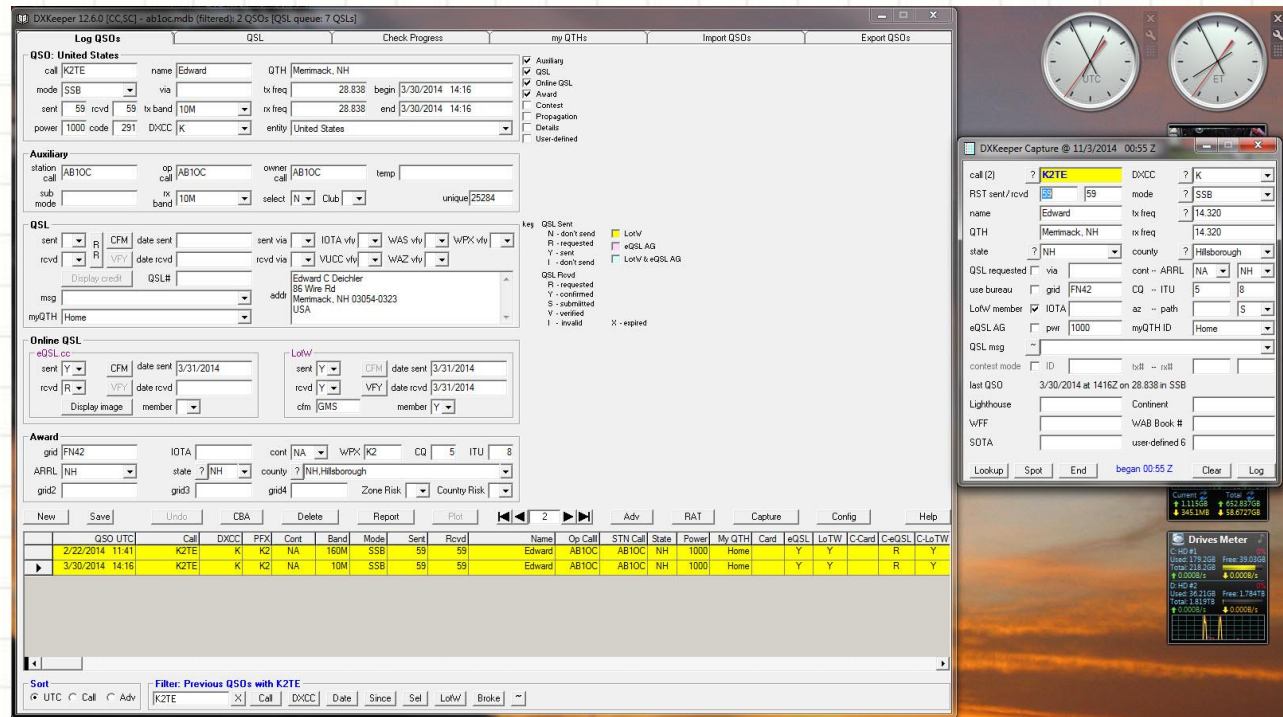
Nashua Area Radio Society

Fall 2020

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# Loggers

## We'll Cover



- Why Use A Computer Based Logger?
- Popular Loggers
- How to Use a Logger – Using DXLab Suite
  - How to Make and Log a QSO
  - What Else Can a Logger Do?
- How to Get Started with a Computer Logger
- Demonstration of Logger Modules and Features

# Why Use A Computer Logger?



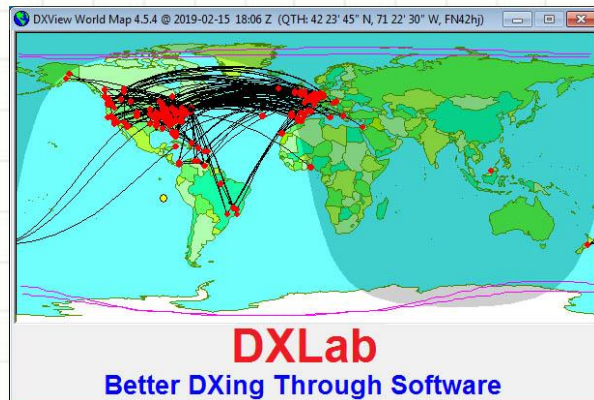
- Simpler, Accurate Logging
  - Interfaces to your transceiver - Log frequency, mode, and date/time automatically
- Find and Work More DX
  - Pull in data from spotting networks
  - Provides propagation information
- Better QSOs
  - Automatically pull up QRZ pages, learn about the person you are communicating with
- Automate Your Station so you can Focus On The Contact
- Work Towards and Apply for Operating Awards
- Make QSL'ing Simpler and Faster
- More Flexible CW and SSB Keying
- Operate Using (Advanced) Digital Modes
- .....



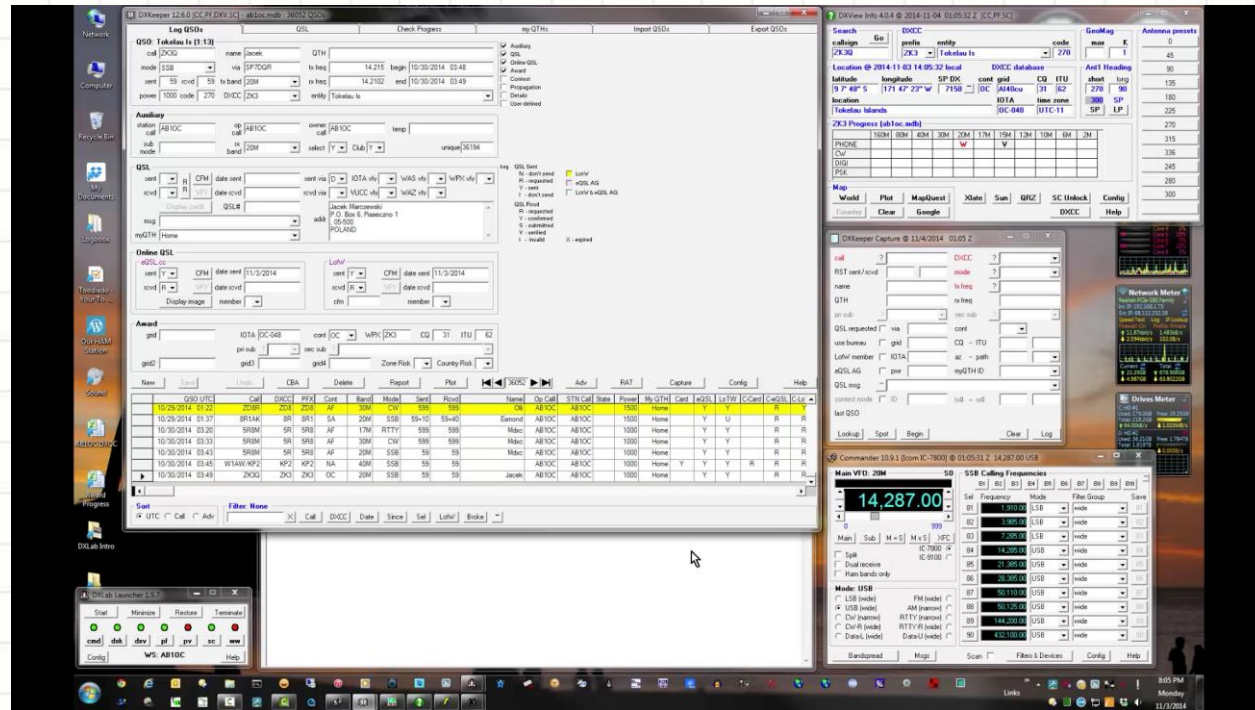
# Popular Loggers



- DXLab Suite – Feature Rich, Best QSL'ing and Award Features, Free, a Little Less User Friendly than others
- Ham Radio Deluxe (HRD) \$ – Popular logger, Not Free, More User-Friendly Interface, Fewer Features - especially for award chasing and QSL'ing
- N1MM+ – Contest Logger, great for many fast QSOs, not as feature rich for DX'ing as DXLab, HRD
- We will focus on DXLab Suite for this presentation



# Making and Logging a Contact with DXLab



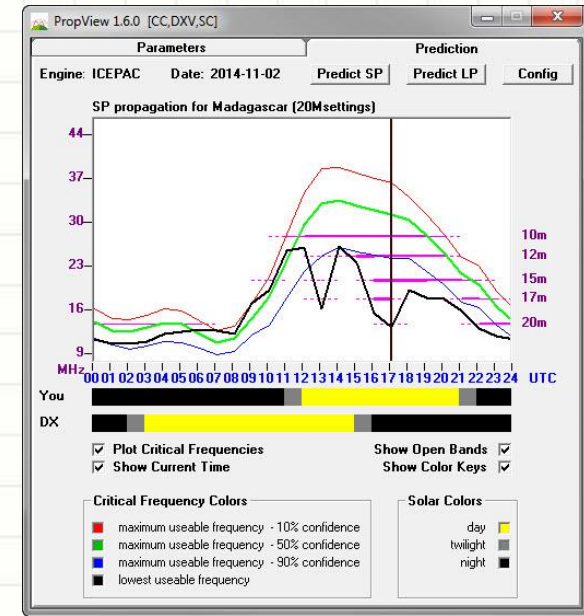
- Call CQ or tune the band to find a contact
- Capture the Callsign of the station you are working
  - Enter/confirm contact details & Validate Callsign in real-time ([QRZ.com](http://QRZ.com))
- Turn your antennas as necessary
- Lookup your contact on QRZ.com
  - Learn something about the person that you are talking with to spark a conversation

[Link to Video](#)



# Finding DX and Propagation Predictions

- Help to Find and Work DX
  - Spot Collector module pulls spotting data from multiple DX Clusters
  - Indicates which DX you need for Major Awards
  - One-click on a spot will tune to the DX's frequency and populate their data
- Make Propagation Predictions
  - PropView shows you propagation predictions for a DX station that you are trying to work



SpotCollector 7.0.2 @ 2014-10-29 22:28 Z [CC,DXK,PF,DXV,PV,WW] 213 entries (log: ab1oc.mdb)

WWV 08:18 1205 Z

SFI 115

History

Q: 10

A 7

0 K

Outgoing spot

Call

14,240.0 Freq

Cluster

Notes

X

Local

Spot source status

Report

Stats

Prop

Config

Help

	Callsign	Pfx	Band	Freq	Mode	DXCC	Country	Tim	Origin	Spotted	Notes	OSX	Count	Band	Mo	U	Co	Head	Distan	C	ITU	IOTA	Needed
	W3OT	K	40M	7.039.0	CW	United States	2228	NA-M	K5TDA-#	CW 5 dB 16 WPM CO				V	V	V	NA	239	305	5	8		
	VK9XSP	VK9	12M	24.900.0	CW	Christmas Is	2228	NA-W	N2NS	up 1		24 901.0		V	V	F	OC	6	10203	29	54	OC-002	D
	W2OR	K	17M	18.159.0	SSB	United States	2228	NA-E	W2OR	ARRL Cent 17m SSB CO				V	V	V	NA	214	1038	5	8		
	WD4LZC	K	40M	7.026.0	CW	United States	2228	NA-M	AC0C-#	CW 33 dB 24 WPM CO				V	V	V	NA	251	799	4	8		
	WB8FMA	K	40M	7.035.8	CW	United States	2228	NA-M	KA9SWE-1	CW 16 dB 20 WPM CO				V	V	V	NA	252	503	5	8		
	MM0JZE	GW	20M	14.083.6	RTTY	Wales	2228	NA-E	N20T-#	RTTY -3 dB 45 BPS CO				V	V	V	EU	53	3144	14	27		
	OK1EW	OL	40M	7.004.1	CW	Czech Republic	2228	EU	F5MUX-#	CW 33 dB 24 WPM CO				V	V	V	EU	50	3911	15	28		
	CA7CAO	CE	10M	28.082.1	RTTY	Chile	2228	NA-E	W30A-#	RTTY 9 dB 45 BPS CO				V	V	V	SA	181	6164	12	16	SA-018	
	F6EAZ	F	30M	10.120.0	CW	France	2228	NA-E	AA4V-#	CW 11 dB 23 WPM CO				V	V	V	EU	56	3599	14	27		
	WD4NGB	K	20M	14.088.0	RTTY	United States	2228	NA-E	K3IT-#	RTTY 30 dB 45 BPS CO				V	V	V	NA	248	937	4	8		
	CT12Q	CT	40M	7.009.6	CW	Portugal	2228	NA-E	W27H-#	CW 9 dB 25 WPM CO				V	V	V	EU	72	3194	14	37		
	WD8FMA	K	40M	7.035.8	CW	United States	2228	NA-M	K08M-#	CW 21 dB 20 WPM CO				V	V	V	NA	269	1332				
	KD4ESO	K	20M	14.010.8	CW	United States	2228	NA-E	K3IT-#	CW 29 dB 14 WPM CO				V	V	V	NA	238	1004	4	8		
	W5JAY	K	15M	21.085.1	RTTY	United States	2228	NA-E	K3IT-#	RTTY 32 dB 45 BPS CO				V	V	V	NA	255	1316	4	7		
	N3CAU	K	20M	14.090.0	RTTY	United States	2228	NA-E	K3IT-#	RTTY 6 dB 45 BPS CO				V	V	V	NA	230	379	5	8		
	XE3DX	XE	10M	28.086.2	RTTY	Mexico	2228	NA-E	K3IT-#	RTTY 3 dB 45 BPS CO				V	V	V	NA	233	2257	6	10		
	JA1VRY	JA	10M	28.082.2	RTTY	Japan	2228	NA-E	N20T-#	RTTY -2 dB 45 BPS CO				V	V	V	AS	334	6591	25	45		
	W4GKR	K	20M	14.081.6	RTTY	United States	2227	NA-E	W27H-#	RTTY 33 dB 45 BPS CO				V	V	V	NA	245	1538	4	7		
	7N1PRD/0	JA	10M	28.021.1	CW	Japan	2227	NA-W	N7TR-#	CW 16 dB 23 WPM CO				V	V	V	AS	334	6591	25	45		

Sort

First Call

Last Freq

Rev Az

Filter: Band and Origin and (Age < 60 minutes)

X

AH

Need

Call

DXCC

Freq

Tag

Band

Mode

Cont

Origin

State

ARRL

IOTA

NHOTA

SQL 5

SQL 6

SQL 7

SQL 8

Color codes

verified

unneeded

unconfirmed

unneeded B or M

unneeded counter

special tag

LotV

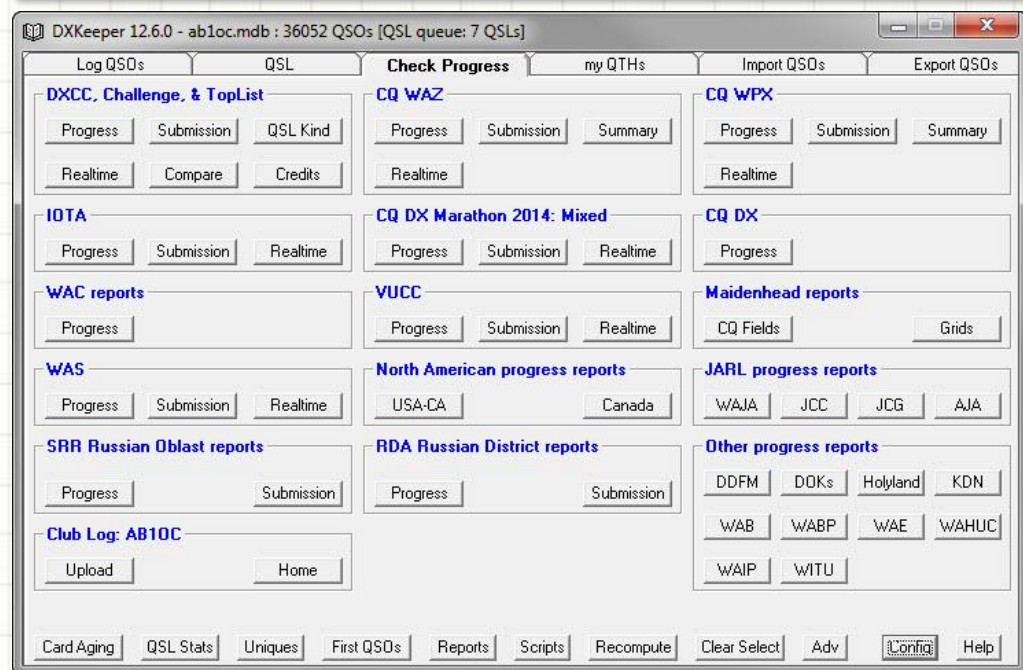
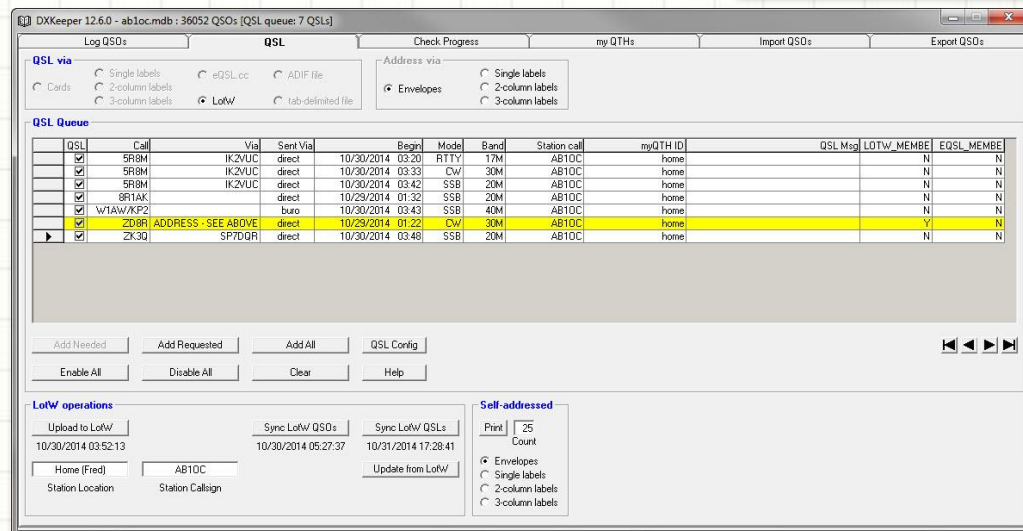
eQSL AG

LotV & eQSL AG

# QSL'ing and Awards



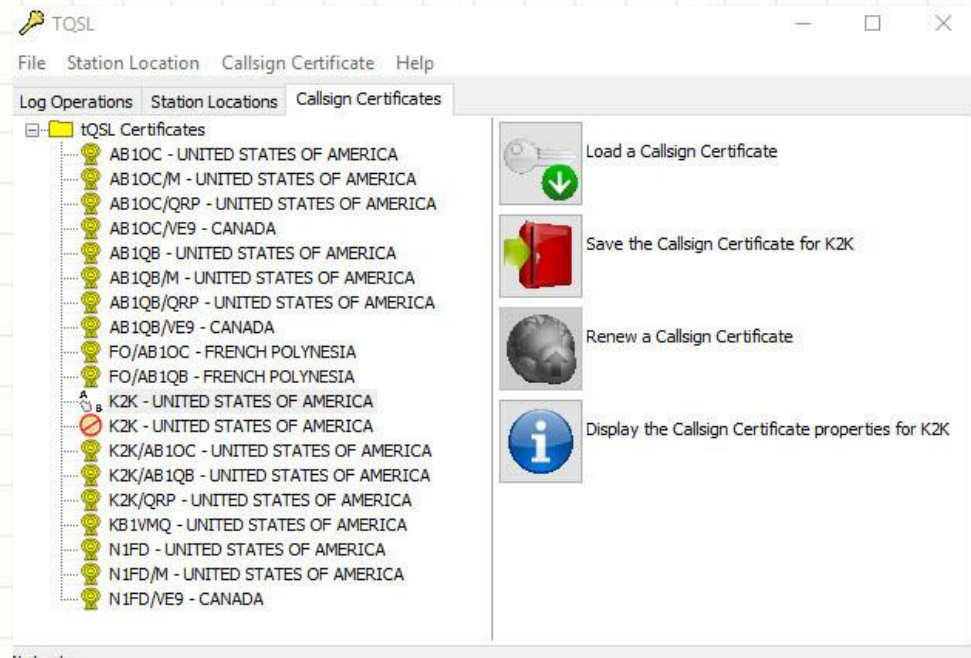
- Uploads your QSOs to LoTW, eQSL, ClubLog, etc.
- Downloads your confirmations from LoTW, eQSL
- Print Paper QSL Cards, Lookup QSL Manager, and Address Envelope
- Tracks confirmations toward popular awards





# DXLab and LoTW

- LoTW is an ARRL QSL'ing service
  - Accepted for ARRL awards and a few others (ex. some CQ awards)
- Upload contacts via a special tool (Tqsl)
  - Register your call sign(s) to get "certificate" from LoTW
  - Configure your operating locations and call signs
  - Automatically upload from DXLab (best way)



## DXLab LoTW Setup Instructions

### Initial Setup

- [Setting up LotW on your PC](#)
- [Configuring DXKeeper for Interaction with LotW](#)
- [Handling QSOs already uploaded to LotW](#)

### [Uploading QSOs to LotW](#)

### [Synchronizing QSLs: Updating logged QSOs to reflect their Confirmation via LotW](#)



# Configuring Your Logger

## DXLab Suite



- What You Need –
  - A Windows computer with internet connection (Mac and Linux with VM also works)
  - CAT, PTT, CW Keying and Audio Interfaces (for digital modes) between your PC and your Transceiver
  - Computer interface to your rotator if you have a directional antenna
- Configuration Steps –
  - Basic information about you and your station – Name, Callsign, QTH Info,

**DXKeeper Configuration**

General Log Awards Reports Callbook Contest User Items Defaults

Station callsign: AB10C  
Operator callsign: AB10C  
Owner callsign: AB10C  
QTH latitude: 42 42' 45" N  
QTH longitude: 71 40' 30" W  
Transmit power: 175  
RST sent & rcvd: 59/599

Antenna Path: [dropdown]  
Propagation mode: [dropdown]  
SFI / A / K: 70 4 1  
Satellite name: [dropdown]  
Satellite mode: [dropdown]  
Meteor shower: [dropdown]  
Email address: ab10c@arrl.org

**Default QSL Message**

QSL msg: Thanks for the QSO, 73 Fred  
Update Candidate Message #1 Review Candidate Messages

**Default Transmit power by band**

Band	Power
160m	1500
80m	1500
60m	100
40m	1500
30m	200
20m	1500
17m	1500
15m	1500

**Default Transmit power by mode**

Mode	Power
Phone	1500
CW	1500
RTTY	1500
FT8	50
Digi	1000

**Network Service [port 52001]: Listening**

Base Port: 52000 Default  
Restart  
Log all transactions [checkbox] Display Log

**DXKeeper 15.8.9 [CC,DXV,SC] - ab10c.mdb : 88630 QSOs**

Log QSOs QSL Check Progress my QTHs Import QSOs Export QSOs

ID: Home  
Email: ab10c@arrl.org  
Name: Fred Kemmerer  
Pri sub: NH  
Sec sub: Hillsborough  
Sig: [dropdown]  
LotW: [dropdown]

Rig: Flex-6700  
Ant: [dropdown]  
Street: 39 Baldwin Lane  
City: Hollis  
Country: United States  
Sig Info: [dropdown]

CQ: 5 ITU: 8  
IOTA: [dropdown]  
PostCode: 03049  
Grid: FN42er  
Latitude: 42 43' N  
Longitude: 71 37' W

**Find myQTH ID**  
[dropdown]

**Update QSOs in Log Page Display**  
Set myQTH ID Clear myQTH ID

VUCC [checkbox] WAS [checkbox] Lat/Lon [checkbox] DMS [checkbox] DD [checkbox]

New Save Delete Filter Config Help

MYQTHID	City	Sec sub	Pri sub	Country	Grid
Home	Hollis	Hillsborough	NH	United States	FN42er
Mobile HF	Hollis	Hillsborough	NH	United States	FN42
Mobile HF - VE				Canada	
Mt. Kearsarge				Coos	FN43
Mt. Washington	Sargeants Purchase			Coos	FN44
Palm Beach FL	Palm Beach		FL	United States	EL96xo
Scottsdale AZ	Scottsdale		AZ	United States	DM43am

# Configuring Your Logger

## Connecting Your Radio



- Your Radio will appear as a COM port in your PC
- Set Radio Type and Address Information (RTFM)
- Match Baud Rate and set means for PTT control

Commander Configuration

Filter Groups | Memories | MultiRadio | Bandsread | Transverters

General | Ports | Device 0 | Device 1 | Device 2 | Device 3

### Radio

IC-7851 Model 8E CI-V Address Default: 8E 16 ☒ Hexadecimal ☐ Decimal Reset

☒ Interrogation 200 Command interval (ms) 1 Scan dwell Display Error Log

☐ No interrogation while transmitting

☐ Verify CI-V command acceptance

☒ Sync transceiver frequencies before logging or spotting

☒ Set radio UTC time on startup or selection, and hourly

☐ Emit subreceiver audio when dual receive enabled

☐ Display outgoing CI-V commands in Message window

Log Mode for Data-L or Data-U

### General

☒ Ignore Mousewheel

☒ Accept 'Dual Rcv On' directives

☒ Accept 'Dual Rcv Off' directives

☐ Use TX freq for devices when split

☐ Switch to simplex on 1 MHz QSY

☒ Use multiple monitors

☐ Log debugging info

### PTT

☐ suppress CAT

### Frequency Colors

### Sub-band Defs

### VFO Autorepeat Rate

slow fast

### User-defined Controls

☐ Show within Main window

☐ Show by expanding Main window

### Initial Command

### Initial Command Sequence

☐ Enable

### Guidance

Select

Browser pathname ☒ show control explanations

Commander Configuration

Filter Groups | Memories | MultiRadio | Bandsread | Transverters

General | Ports | Device 0 | Device 1 | Device 2 | Device 3

### Primary CAT Serial Port

Port#	Baud	Word	Parity	Stop	DTR	RTS
1	9600	8	None	2	Off	TX

### Secondary CAT Serial Port

☒ Enable ☒ Follow primary ☐ Lead primary ☐ Follow & lead primary

CAT protocol Elecraft ☐ Update every 200 ms

☐ Follow Alternate VFO when Split

Port#	Baud	Word	Parity	Stop	DTR	RTS
	9600	8	None	2	Off	Off

### S02R Serial Port

☒ Enable

S02R protocol microHam

Port#	Baud	Word	Parity	Stop	DTR	RTS
8	9600	8	None	2	Off	Off

### ACC Outputs

☐ Enable  Device  Control

### Parallel Port

☐ Enable Radio & PTT

Port	Port Address
	0000

### Data Signals

☐ Enable  Device  Control

### Modem Command

Send

Scomm version: 9.1.12

# Configuring Your Logger

## Connecting Your Rotator



- Your Rotator Controller will appear as a COM port in your PC
- Set Rotator Controller type/protocol (RTFM)
- Match Baud Rate
- Many Rotators controllers implement the Hygain protocol



DXView Configuration

General Plot Settings **Rotator Control** World Map Override List Databases

☒ Enabled ☐ Request rotator heading once per second  
☐ Enable at startup ☐ Report computed short path heading when disabled or on unsupported band

**Model**

☐ AlfaSpid  
☐ ARSWIN  
☐ Heath  
☐ Green Heron  
☒ Hygain  
☐ MDS  
☐ Rotor-EZ  
☐ LP-Rotor  
☐ M2 RC2800P-A  
☐ M2 RC2800PX  
☐ N1MM Current  
☐ N1MM V12.11  
☐ Prosistel  
☐ Radant APU1-A  
☐ SARtek  
☐ TIC  
☐ TrackBox  
☐ Yaesu

**Antenna Presets**

Show Hide

**Options**

☐ Endpoint  
☐ Overshoot  
☐ Unstick

**Directive Acceptance by Band**

<input checked="" type="checkbox"/> 160m	15m	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> 80m	12m	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> 60m	10m	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> 40m	6m	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> 30m	4m	<input type="checkbox"/>
<input checked="" type="checkbox"/> 20m	2m	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> 17m	70cm	<input checked="" type="checkbox"/>
<input type="checkbox"/> Other	< 160m	<input type="checkbox"/>
	> 70cm	<input type="checkbox"/>

**Alignment**

19.36 Solar - QTH  
0 Ant1 rotator offset  
0 Ant2 rotator offset

**Serial Port Interface**

COM9 Port 4800 Speed 8 Word Length 1 StopBits None Parity

Scomm version: 9.1.12

Help



# Configuring Your Logger

## Callsign Lookup and QSL'ing



- Callsign Lookup – Use your QRZ.com account
- Online QSL'ing – Use your LoTW, eQSL, and ClubLog Accounts
- Paper QSL'ing – Setup to print cards, labels, and envelopes

**DXKeeper Configuration**

General Log Awards Reports **Callbook** Contest User Items Defaults

**Primary Callbook**

☐ None Passwords specified in this panel will appear in generated errorlog.txt files when "Log debugging information" is enabled; do not employ passwords that you also use to secure valuable online accounts!

☐ RAC (PC) D:\ Browse  
Folder containing callbook info

☐ HamCall (PC) C:\Users\Fred Kemmerer\Dropbox\Amateur Radio\HamCall\ Browse  
Folder containing callbook info

☐ QRZ (PC) D:\ Browse  
Folder containing callbook info

☐ HamCall Online  
Callsign Password HamCall Online timeout (seconds) 30

☐ HamQTH  
Callsign Password HamQTH timeout (seconds) 30

**QRZ.com**

☒ XML Data AB10C Password QRZ.com timeout (seconds) 30  
Callsign Password

☐ QRZ.com via Pathfinder Pathfinder is not running ☒ Ignore geocoded grid squares

**Secondary Callbook**

☒ Enable HamCall (PC) Callbook

☒ Warn when the primary callbook can't be accessed

☒ Automatically use callbook data to initialize new QSOs

☒ Warn when a callbook lookup returns "callsign not found"

Help

**DXKeeper QSL Configuration**

General Cards **LoTW** QSL Labels Envelopes Addr Labels Printer  
eQSL Club Log ADIF & TDF QSL Msgs

Username \* AB10C

Password to web account Update Password

Upload each QSO logged via the Capture window to LoTW ☐

Initialize LoTW Sent to 'R' for each logged QSO or imported QSO ☒

Consider LoTW confirmations in outgoing card/label QSL? 'please/thanks!' decisions ☐

Permit uploading of QSOs already uploaded to LoTW ☐

PC has no internet connection (prompt operator to upload/download on another PC) ☐

Maximum age of most recent LoTW upload to be considered "active" (months)

Limit Sync operations to this station callsign \*

Report unmatched QSOs and QSLs as errors \* ☐

Exclude station callsign when matching downloaded QSOs & QSLs to logged QSOs \* ☐

**Handling of LoTW QSL detail inconsistencies**

Overwrite log data with LoTW data, and report inconsistencies when operation ends ☒

Preserve log data, ignore LoTW data ☐

Preserve log data, ignore LoTW data, and report inconsistencies when operation ends ☐

Display a dialog box and let operator choose, and report inconsistencies when operation ends ☐

Ignore subsquare mismatches ☐

**TQSL 2.5.5**

TQSL.exe pathname C:\Program Files (x86)\TrustedQSL\tqsl.exe Select Run

station location \* Home (Fred) Update

station callsign \* AB10C specified in Station Location

Update LoTW Membership \* setting is stored in the current Log file Help

# Configuring Your Logger

## Spotting Clusters and Award tracking



- DX Spotting – set DX Clusters, CW and Digital Clusters, & RBNs
- Configure Awards – DXCC, WAS, WAZ, IOTA, Marathon, VUCC, ... Including bands, modes and real-time tracking

SpotCollector Configuration

**Email Alarm** **Audio Alarm** **Special Callsigns** **Spot Source Display** **TNC Serial Port**

**General** **Spot Sources** **Spot Database Display** **Spot Database** **Overrides**

**Telnet DXClusters**

Enable	Auto	Hide	Ann/Talk	Host address	Port	Caption	Username	Password	Cmd	Spot
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	dxcc.ve7cc.net	23	VE7CC	AB10C			<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	telnet.reversebeacon.net	7001	Digi RBN	AB10C			<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	dxfun.com	8000	RBN Spots	AB10C			<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	telnet.reversebeacon.net	7000	CW-RTTY RB	AB10C			<input type="checkbox"/>

**PacketCluster**

Enable	Auto	Hide	Ann/Talk	Callsign	Keep	Caption	Bye Cmd	TNC Model	Cmd	Spot
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>					<input type="checkbox"/>

**IRC**

Enable	Auto	Hide	Ann/Talk	Host address	Channel	Caption	Username	First Name	Robot	Spot
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	irc.radiochat.org	CQDX	DX Summit	AB10C	AB10C	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WSJT-X**

Enable	CQ color	MyCall color	Port	Lookup	Callbook	eQSL	LoTW	ClubLog
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2237	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**Initial Cluster command**

Enable	Command
<input checked="" type="checkbox"/>	SH/DX

☐ alert when Talk msg rcvd

Audio message alert pathname:

DXKeeper Configuration

**General** **Log** **Awards** **Reports** **Callbook** **Contest** **User Items** **Defaults**

☒ Automatically recompute realtime award tracking  
☒ Deduce CQ and ITU zones from US callsigns

☐ Include LoTW QSLs in CQ (DX, Fields), IARL, & Maidenhead Grid progress  
☐ Include eQSL.cc QSLs in DXCC, VUCC, WAS, WAC, & Maidenhead Grid progress

**DXCC Bands & Modes**

Band	Mode	HF	VHF
<input checked="" type="checkbox"/> 160M	<input checked="" type="checkbox"/> Phone	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> 80M	<input checked="" type="checkbox"/> CW	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> 40M	<input checked="" type="checkbox"/> Digital	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> 30M			
<input checked="" type="checkbox"/> 20M			
<input checked="" type="checkbox"/> 17M			
<input checked="" type="checkbox"/> 15M			
<input checked="" type="checkbox"/> 12M			
<input checked="" type="checkbox"/> 10M			
<input checked="" type="checkbox"/> 6M			
<input checked="" type="checkbox"/> 2M			

**Marathon Bands & Modes**

Band	Mode	HF	VHF
<input type="checkbox"/> 160M	<input type="checkbox"/> Phone	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 80M	<input type="checkbox"/> CW	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 60M	<input type="checkbox"/> Digital	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 40M			
<input type="checkbox"/> 30M			
<input type="checkbox"/> 20M			
<input type="checkbox"/> 17M			
<input type="checkbox"/> 15M			
<input type="checkbox"/> 12M			
<input type="checkbox"/> 10M			
<input type="checkbox"/> 6M			
<input type="checkbox"/> 2M			

**WPX Bands & Modes**

Band	Mode	HF	VHF
<input type="checkbox"/> 160M	<input checked="" type="checkbox"/> SSB	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 80M	<input checked="" type="checkbox"/> CW	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> 60M	<input checked="" type="checkbox"/> Digital	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 40M			
<input type="checkbox"/> 30M			
<input type="checkbox"/> 20M			
<input type="checkbox"/> 17M			
<input type="checkbox"/> 15M			
<input type="checkbox"/> 12M			
<input type="checkbox"/> 10M			
<input type="checkbox"/> 6M			

**IOTA**

☒ IOTAmen4win update  
☒ Realtime Award Progress

**Other Awards**

☐ IOTAmen4win update  
☐ DARC DOK region selection  
☐ WAE 2 point low-band QSOs  
☒ Subdivision validity checking

**WAZ Bands & Modes**

Band	Mode	HF	VHF
<input type="checkbox"/> 160M	<input type="checkbox"/> Phone	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 80M	<input type="checkbox"/> CW	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 40M	<input type="checkbox"/> RTTY	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 30M	<input type="checkbox"/> Digital	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 20M	<input type="checkbox"/> SSTV	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 17M			
<input type="checkbox"/> 15M			
<input type="checkbox"/> 12M			
<input type="checkbox"/> 10M			
<input type="checkbox"/> 6M			
<input type="checkbox"/> 2M			

**VUCC Bands & Modes**

Band	Mode	HF	VHF
<input checked="" type="checkbox"/> 6M	<input type="checkbox"/> Phone	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> 2M	<input type="checkbox"/> CW	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> 1.25M	<input type="checkbox"/> RTTY	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> 70 CM	<input type="checkbox"/> Digital	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> 33 CM	<input type="checkbox"/> SSTV	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> 23 CM			
<input checked="" type="checkbox"/> 13 CM and up			

**WAS Bands & Modes**

Band	Mode	HF	VHF
<input type="checkbox"/> 160M	<input type="checkbox"/> Phone	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 80M	<input type="checkbox"/> CW	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 40M	<input type="checkbox"/> RTTY	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 30M	<input type="checkbox"/> Digital	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 20M	<input type="checkbox"/> SSTV	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 17M			
<input type="checkbox"/> 15M			
<input type="checkbox"/> 12M			
<input type="checkbox"/> 10M			
<input type="checkbox"/> 6M			
<input type="checkbox"/> 2M			

**DXCC Submission**

☒ Submit deleted entries  
 75 Record Sheet lines/page

**Marathon Submission**

☒ Confirmed QSOs are low risk

**VUCC & WAS Submission**

☐ QSL Card  
☐ LoTW

**DXCC Credits**

☒ Credit-only QSO creation

☒ Realtime Award Progress

Real-Time Tracking can alert you when a station needed for an Award is On The Air

# Configuring Your Logger

## Some Final Thoughts



- ✓ Computer Loggers have many useful features
- ✓ Best to start out with the basics
  - Get your logger talking to your Radio
  - Configure callsign lookups via QRZ.com
- ✓ Setup a Bridge Program for Digital Operations to automatically log these contacts (ex. WSJT-X and JTAlert for FT8)
- ✓ Add LoTW as soon as you can and begin uploading your contacts and downloading online confirmations
- ✓ Add Award Tracking, Rotators, Spotting Clusters, Paper QSL'ing, and more as your needs and interests progress



# Questions?

## To Learn More:

Check out the Nashua Area Radio Society's Tech Night Program at:

[n1fd.org/tech-night](http://n1fd.org/tech-night)

Become an Internet Subscriber (or members of NARS):

[n1fd.org/join-us](http://n1fd.org/join-us)

Much more information, pictures and video are available on our Blog at:

[stationproject.blog](http://stationproject.blog)

