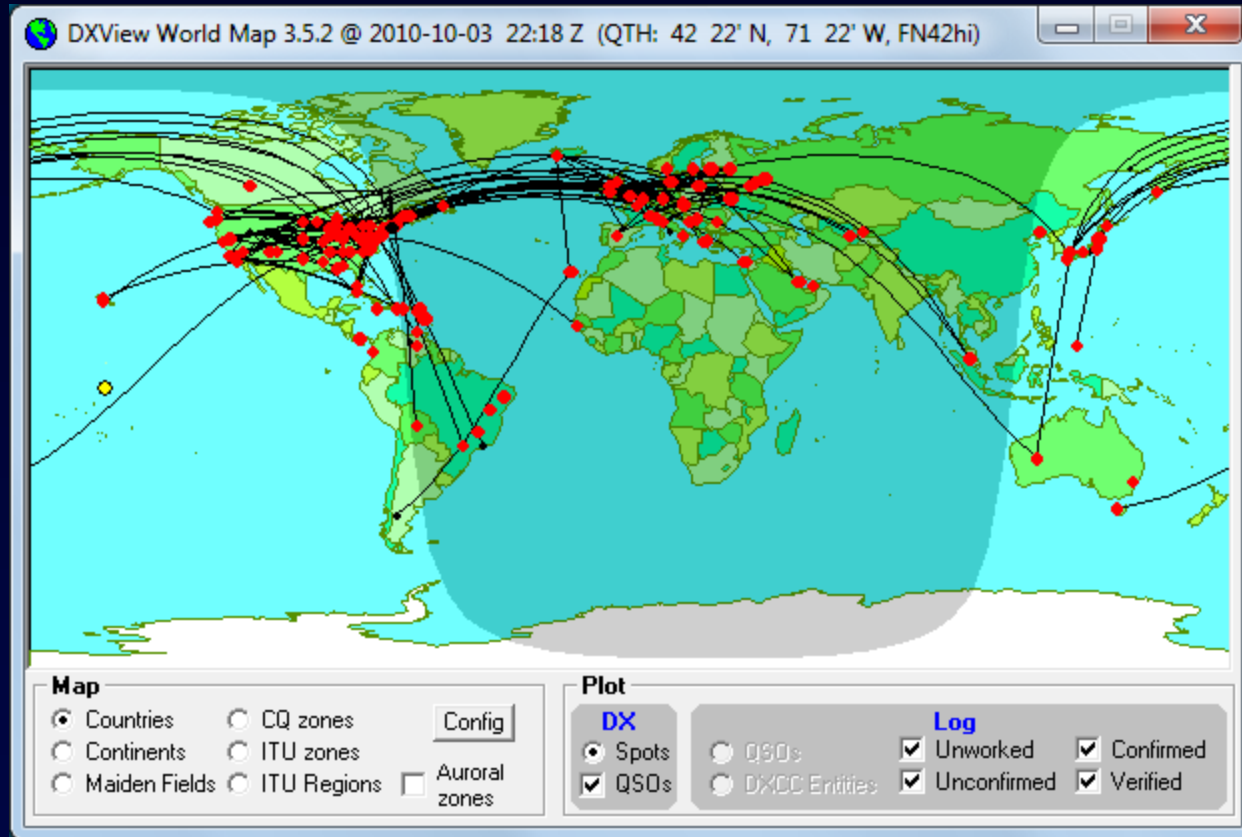


# the DXLab Suite

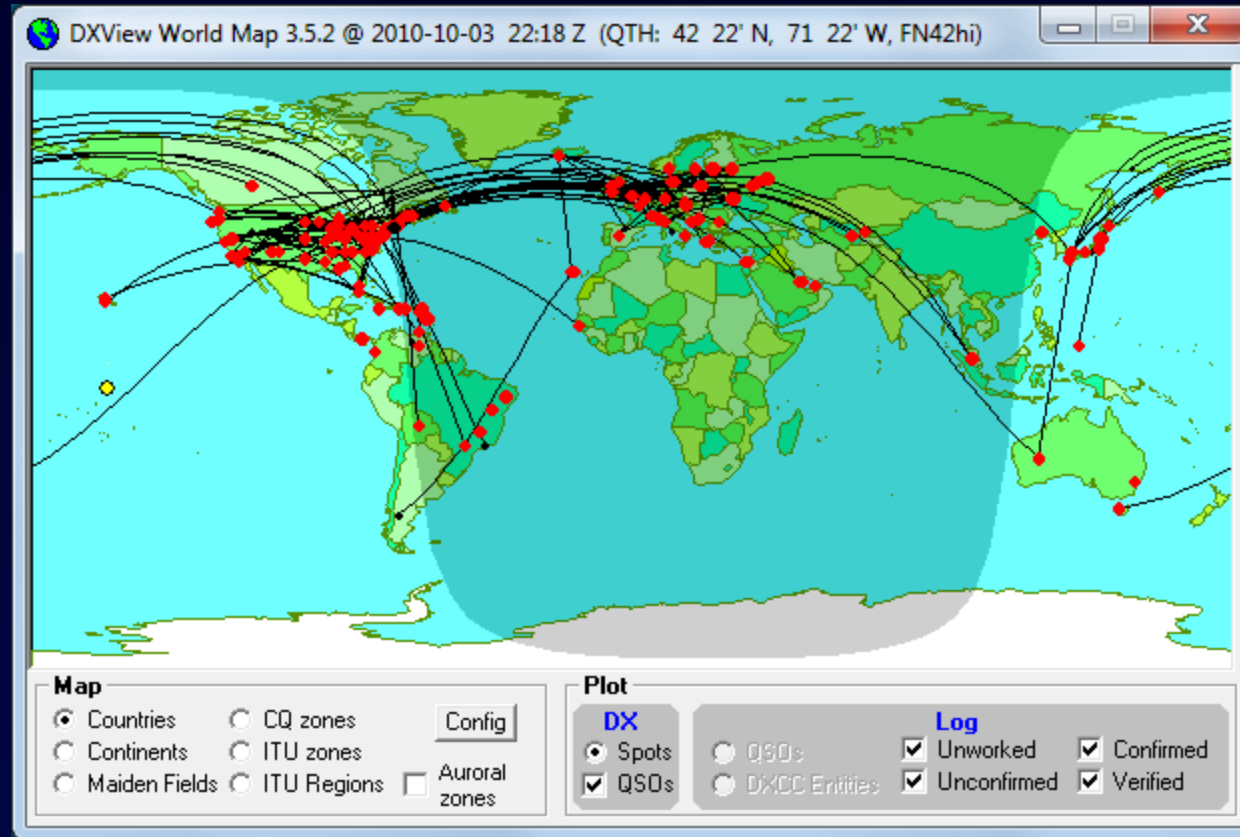
2012-03-19 v1.4



## Better DXing Through Software

# the DXLab Suite

2012-03-19 v1.4



All slides brazenly stolen from AA6YQ

# the DXLab Suite

Dave Bernstein, AA6YQ

Retired from IBM

Previously with Rational Software (20+ years)

Previously with Data General (~10 years)

Holds over 20 patents

Recipient, 2008 ARRL Technical Achievement Award

## Better DXing Through Software

# the DXLab Suite

Eight free applications that run individually

but

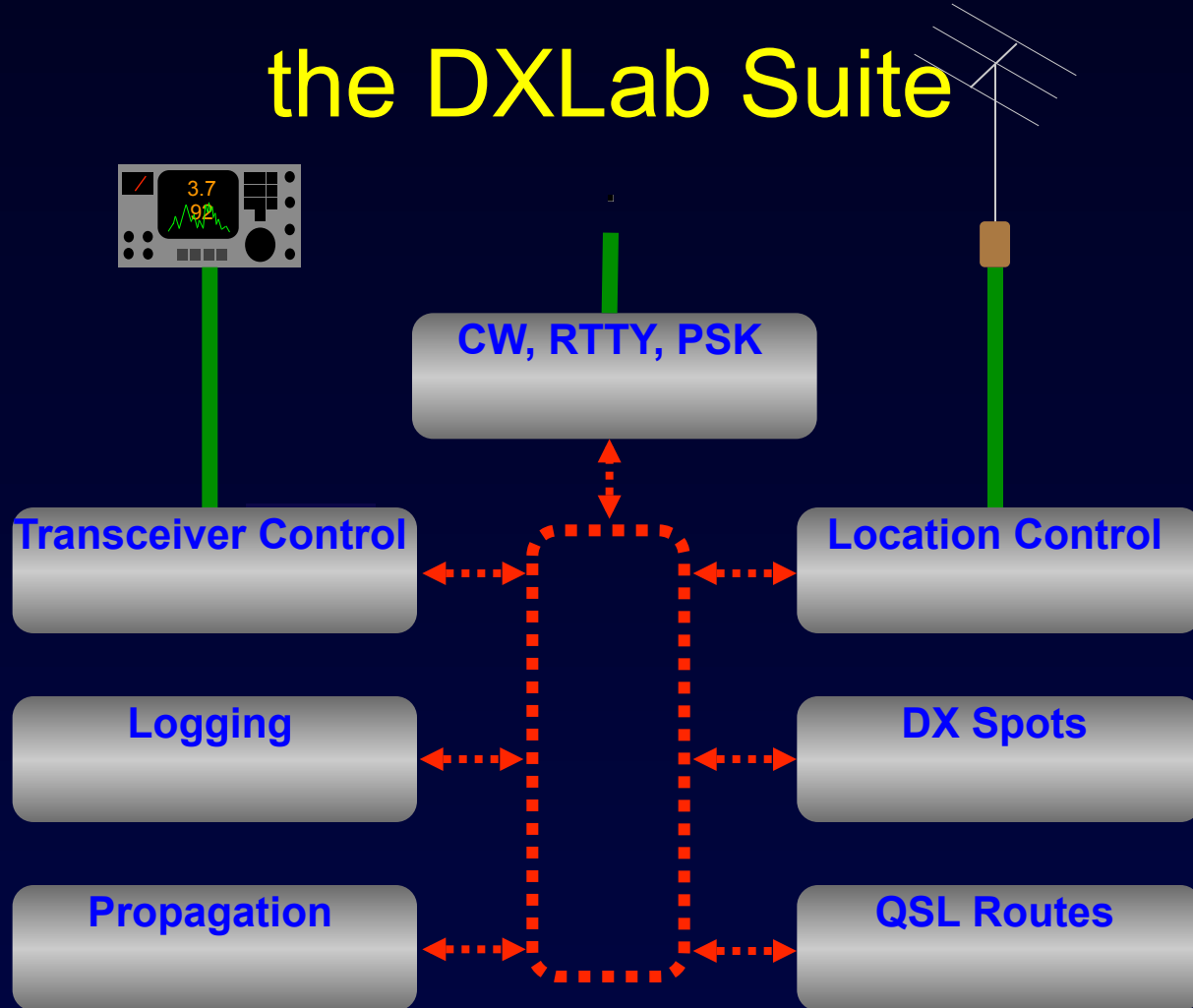
when run simultaneously sense each other's presence

and

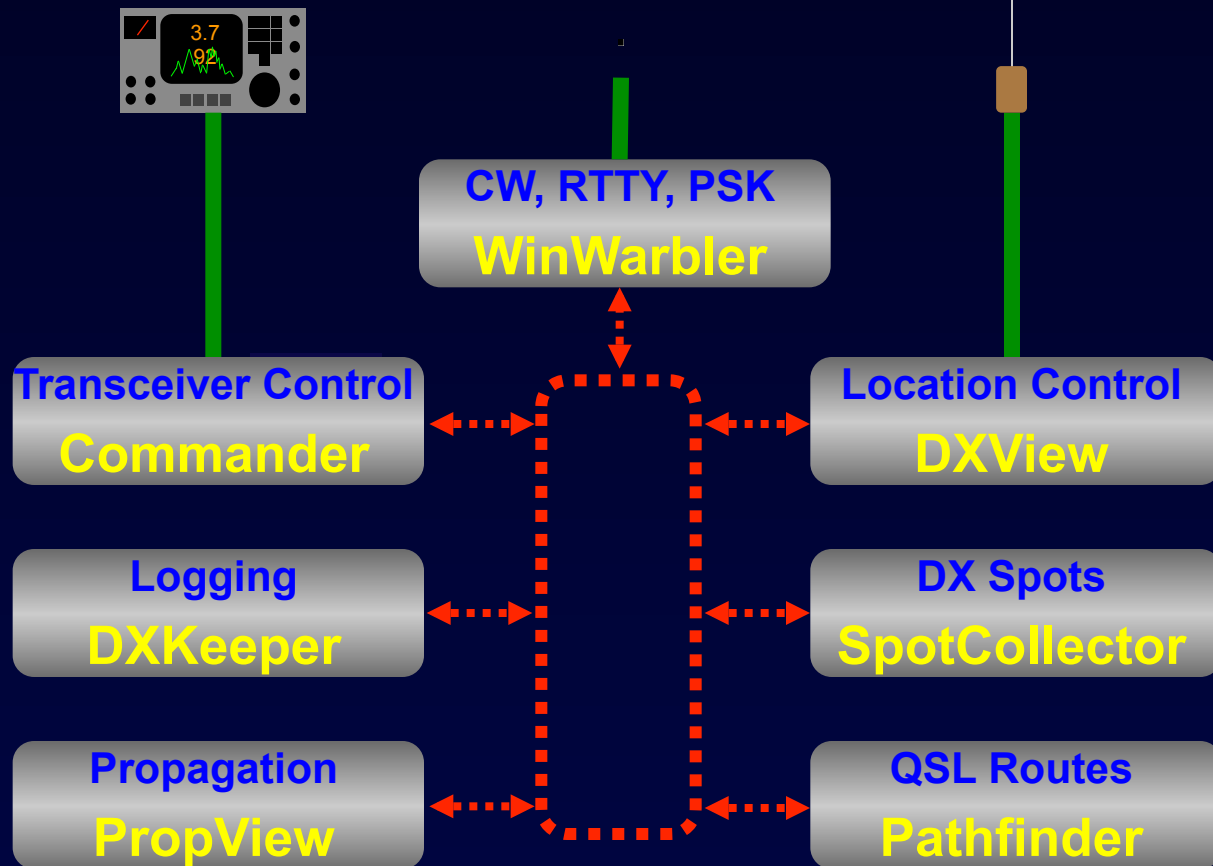
interoperate automatically

## Better DXing Through Software

# the DXLab Suite



# the DXLab Suite



# A Suite of Interoperating DXing Applications

DXKeeper 8.9.4 [CC,DXV,SC,WW] - AA6YQ.mdb : 18487 QSOs

Log QSOs QSL Check Progress my QTHs Import QSOs Export QSOs

QSO: Jordan  
call JY4NE name QTH  
mode RTTY via tx freq 14.086765 begin 9/20/2010 18:37  
sent 599 rcvd 599 tx band 20M rx freq 14.086764 end 9/20/2010 18:37  
power 1500 code 342 DXCC JY entity Jordan

New Save Undo CBA Delete Report Plot 18487 Adv RAT Capture Config Help

Call	DXCC	Starting UTC	Band	Mode	Sent	Rcvd	Name
JT50X	JT	9/19/2010 23:23	17M	CW	599	599	hadraab
RKQAT	UA	9/20/2010 01:01	20M	RTTY	599	599	Vit
KP4FR	KP4	9/20/2010 01:11	20M	RTTY	599	599	Jose
JY4NE	JY	9/20/2010 18:37	20M	RTTY	599	599	

Sort  
UTC Call Adv Filter: None  
EY7AD X Call DXCC Date Since Sel LotW Broke

SpotCollector 5.3.9 @ 2010-10-04 19:59 Z [CC,DXK,DXV,WW] (log: AA6YQ.mdb)

WVW 10-04 1806 Z  
SRI 80 History  
Q: 0 A 1 2 K

Outgoing spot  
Call 14,086.2 Freq Cluster  
Notes X Local

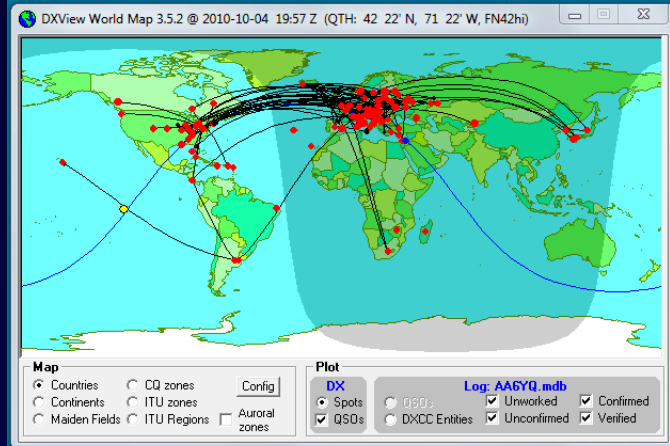
Spot source status  
Report Stats Config Help

Callign	Pfx	Freq	Band	Mode	LastTime	Notes	NAE	NAM	NAW	SA	EU	AF	AS	OC	UN	LastOrig	Source
PS7DX	FY	14,018.3	20M	CW	10/4/2010 19:59	CQ 8 dB 21 WPM	Y	Y	Y		Y	Y				NA-E	N4ZR-#
SQ9CNS	SP	3,541.0	80M	CW	10/4/2010 19:59	CQ 16 dB 19 WPM					Y					EU	DL5Q-#
LA3TQ	LA	14,017.8	20M	CW	10/4/2010 19:59	CQ 18 dB 23 WPM					Y					EU	S5ZK-#
IK0RCD	I	14,025.6	20M	CW	10/4/2010 19:59	CQ 13 dB 18 WPM	Y	Y	Y							NA-M	K8ND-#
9A/SP9EVP	9A	7,017.0	40M	CW	10/4/2010 19:59	CQ 21 dB 26 WPM					Y					EU	DL5Q-#
UA9MA	UA0	1,822.5	160M	CW	10/4/2010 19:59	CQ 10 dB 25 WPM					Y					EU	EI6IZ-#

Sort  
First Call  
Last Freq  
Rcv Az

Filter: Band and Mode  
X Need Call DXCC Freq Tag Band Mode Cont Origin  
AutoHide Audio LotW eQSL ALT SQL 1 SQL 2 SQL 3 SQL 4 SQL 5 SQL 6 SQL 7 SQL 8

Color codes  
verified unworkd E  
unneeded unworkd o  
unconfirmd special t



WinWarbler 6.8.5 for AA6YQ @ 2010-10-04 19:59 Z [CC,DXK,DXV,SC]

QSO Info (Receive Pane 0)  
Call 2 EY7AD 1st S Name Rakhim  
QSL Via DIRECT - I CQ 17 ITU 30 QTH 735700  
Buro Grid MN30 Pri sub Sec sub  
LotW IOTA Az Path S Comment

local: 2010-10-05 00:59 Xcvr Freq  
DXCC EY Begin Log X RX 14,086.19  
Cont AS End Spot TX 14,086.19  
Config Help

QU0TH00 DX CQ DX DE SV1PAS SV1PAS PSE K  
DS1PAUSSVPAS DEHPFF,PD1BPSE K...  
JITCQ DX CQ DX DE SV1PAS SV1PAS PSE EUU00ESCQ DX CQ DX DE SV1PAS SV1PAS PSE K  
MSQVAS UV1PAS DE PD1ANB,PD1ANB  
PSE K...90R2 0R2 0R2 DE SV1PAS SV1PAS PSE K

Commander 8.5.8 [Icom IC-7200] @ 19:59:42 Z 14,086.19 LSB

VFO A: 20M 9  
14,086.19  
0 999  
A B A=B A x B XFC  
Split  
Ham bands only

Mode: LSB  
LSB (normal) FM (wide)  
USB (normal) AM (wide)  
CW (narrow) RTTY (wide)  
CW-R (narrow) RTTY-R (wide)

Filters  
Group normal  
Width 0  
PBT 1 50  
PBT 2 50

PTT: Rcvg  
TX RX  
AL-1200  
Plate 7.75 Load 4 Band 20

Bandsread Msgs Scan Memory Banks Config Help

Commander  
Range  
1 5 10 25 50 100  
14,088.5  
14,088.0 EI7BFB  
14,087.5 EA4AHE  
14,087.0  
14,086.5 UR7ITU  
14,086.0 PF7DKW  
14,085.5 LX8RTTY  
14,085.0 SP9GKJ  
14,084.5  
14,084.0  
Band  
160 80 60 40 30 20 17  
15 12 10 6 4 2 .7  
Spotcollector Config Help

Macros: rty sample  
F5 F6 F7 F8 ALT F9 F10 F11 F12  
CQ Call Over SK log ur rpt tu log grz? de mycall mycall (3)  
80m 40m 30m 20m 17m 15m 12m 10m  
sh F5 sh F6 sh F7 sh F8 sh F9 sh F10 sh F11 sh F12

Operating Mode  
CW PSK31  
Phone PSK63  
RTTY PSK125

RTTY receive (soundcard)  
Freq 14,084.065  
AFC Notch  
BPF DPF  
Reverse Def Opt  
Signal level & squelch 61

RTTY transmit (soundcard)  
Freq 14,084.065 net  
Reverse F2 Start F4 Stop Abort

Tuning Display  
Vert height 2.0  
Horiz zoom 1  
Horiz pan

# Development Drivers

## 1. User-driven iterative development

- Open Yahoo group with ~5000 participants
- Defect repairs get highest priority; goal is < 24 hours
- Public enhancement lists
- Closed source, one developer
- Frequent releases
  - Full releases for first-time installation
  - Incremental updates for defect repairs and enhancements
  - Automated installation and updates

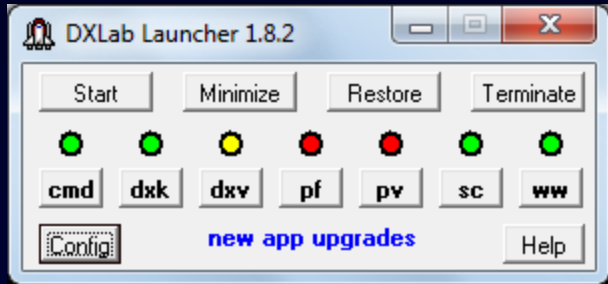
## 2. Easy to Use AND Powerful



# Single Point of Control: DXLab Launcher



# Automated Installation and Updates: Apps



# Automated Installation and Updates: Apps

DXLab Launcher Configuration [AA6YQ] - new app upgrades available

Distribution site: DXLabSuite

Install folder pathname:

Browser pathname:

Auto Start ☐ Minimize After Start ☐

Always On Top ☐ Workspaces On Startup ☐

Shutdown After Terminate ☐

Terminate On Shutdown ☐

Check for New each day ☒

Use Dual Monitors ☐

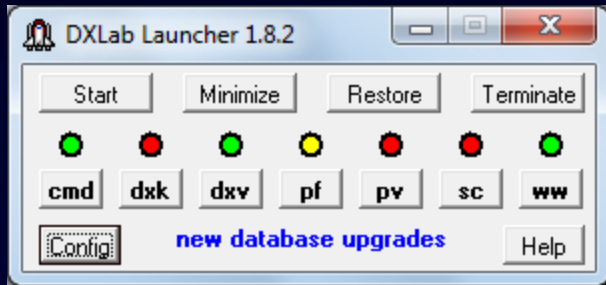
Log Debugging Information ☐

Apps Started Before DXLab Apps | **DXLab Apps** | Apps Started After DXLab Apps

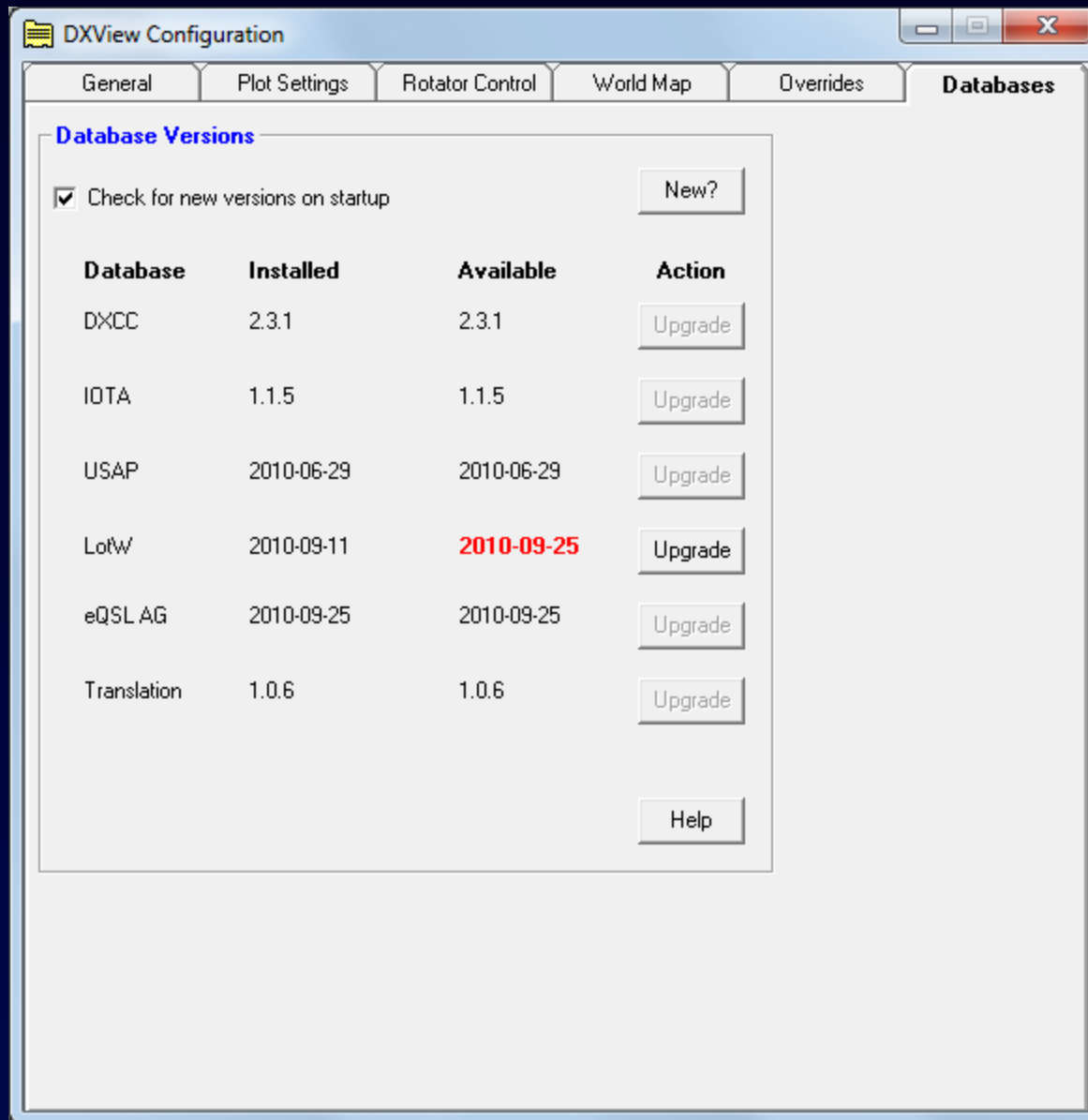
Application	Enab	Program Path	Installed	Avail	Action	Registry
Commander	<input checked="" type="checkbox"/>	C:\DXLab\Commander\CI-V Commander.exe <input type="button" value="Sel"/>	8.5.5	8.5.8	<input type="button" value="Upgrade"/>	Sv Ld
DXKeeper	<input checked="" type="checkbox"/>	C:\DXLab\DXKeeper\DXKeeper.exe <input type="button" value="Sel"/>	8.9.1	8.9.1	<input type="button" value="Restore"/>	Sv Ld
DXView	<input checked="" type="checkbox"/>	C:\DXLab\DXView\DXView.exe <input type="button" value="Sel"/>	3.4.7	3.4.7	<input type="button" value="Restore"/>	Sv Ld
Launcher	<input checked="" type="checkbox"/>	C:\DXLab\Launcher\DXLabLauncher.exe <input type="button" value="Sel"/>	1.8.2	1.8.2	<input type="button" value="Restore"/>	Sv Ld
Pathfinder	<input checked="" type="checkbox"/>	C:\DXLab\Pathfinder\Pathfinder.exe <input type="button" value="Sel"/>	4.7.6	4.7.6	<input type="button" value="Restore"/>	Sv Ld
PropView	<input checked="" type="checkbox"/>	C:\DXLab\PropView\PropView.exe <input type="button" value="Sel"/>	1.4.9	1.4.9	<input type="button" value="Restore"/>	Sv Ld
SpotCollector	<input checked="" type="checkbox"/>	C:\DXLab\SpotCollector\SpotCollector.exe <input type="button" value="Sel"/>	5.3.8	5.3.8	<input type="button" value="Restore"/>	Sv Ld
WinWarbler	<input checked="" type="checkbox"/>	C:\DXLab\WinWarbler\WinWarbler.exe <input type="button" value="Sel"/>	6.8.3	6.8.3	<input type="button" value="Restore"/>	Sv Ld

Startup parameters  
DXKeeper Log

# Automated Installation and Updates: Databases



# Automated Installation and Updates: Databases



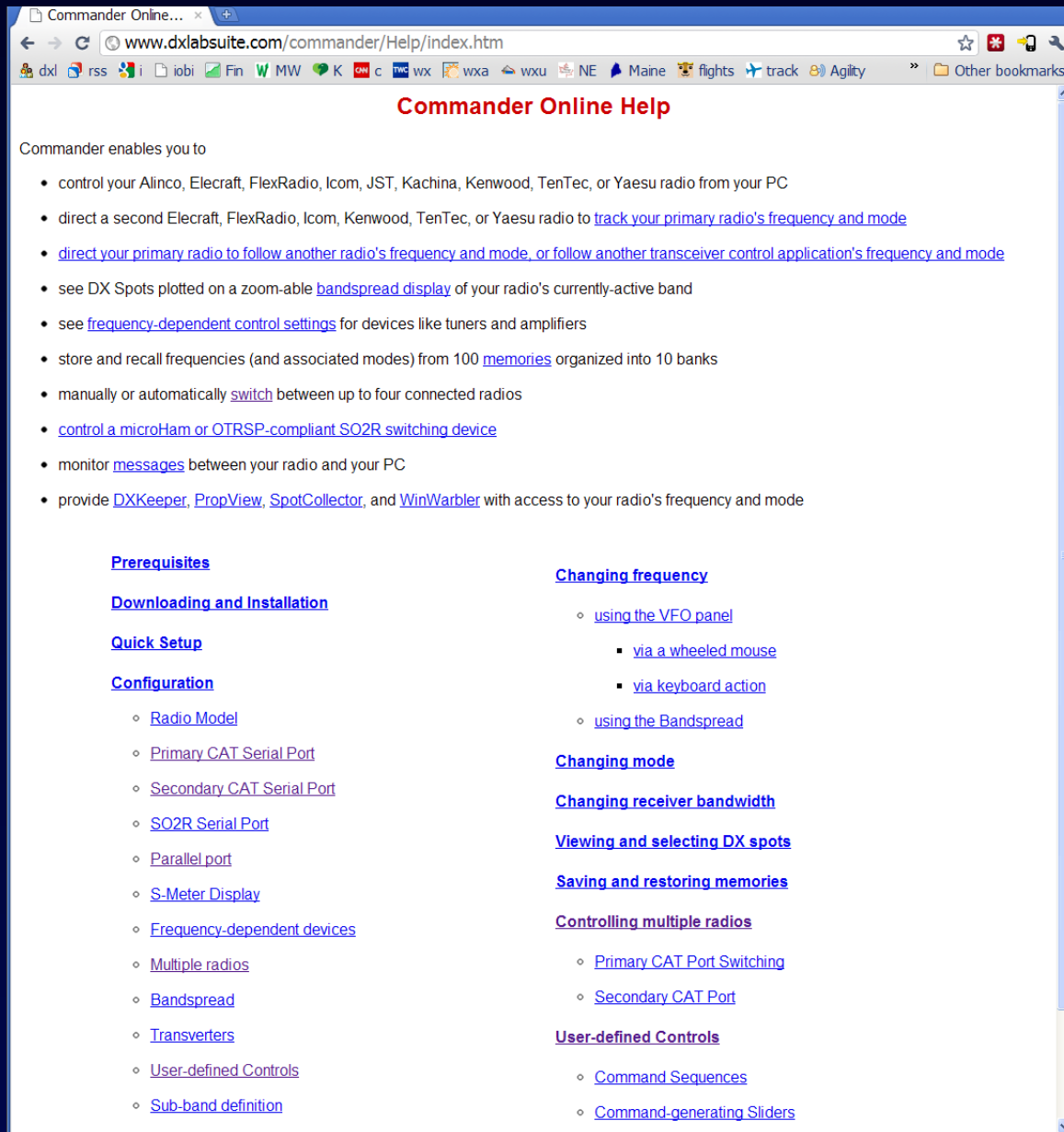
# Development Drivers

1. User-driven iterative development

2. Easy to Use AND Powerful

- No menus
- Graphical Controls with popup explanations
- Online and PDF reference documentation
- Online step-by-step explanations (Wiki)
- User feedback from frequent releases
  - Improves usability
  - Improves documentation

# Documentation: Online Reference



The screenshot shows a web browser window with the address bar displaying [www.dxlabsuite.com/commander/Help/index.htm](http://www.dxlabsuite.com/commander/Help/index.htm). The page title is "Commander Online Help". The main content area lists the capabilities of Commander, followed by a table of contents with links to various sections.

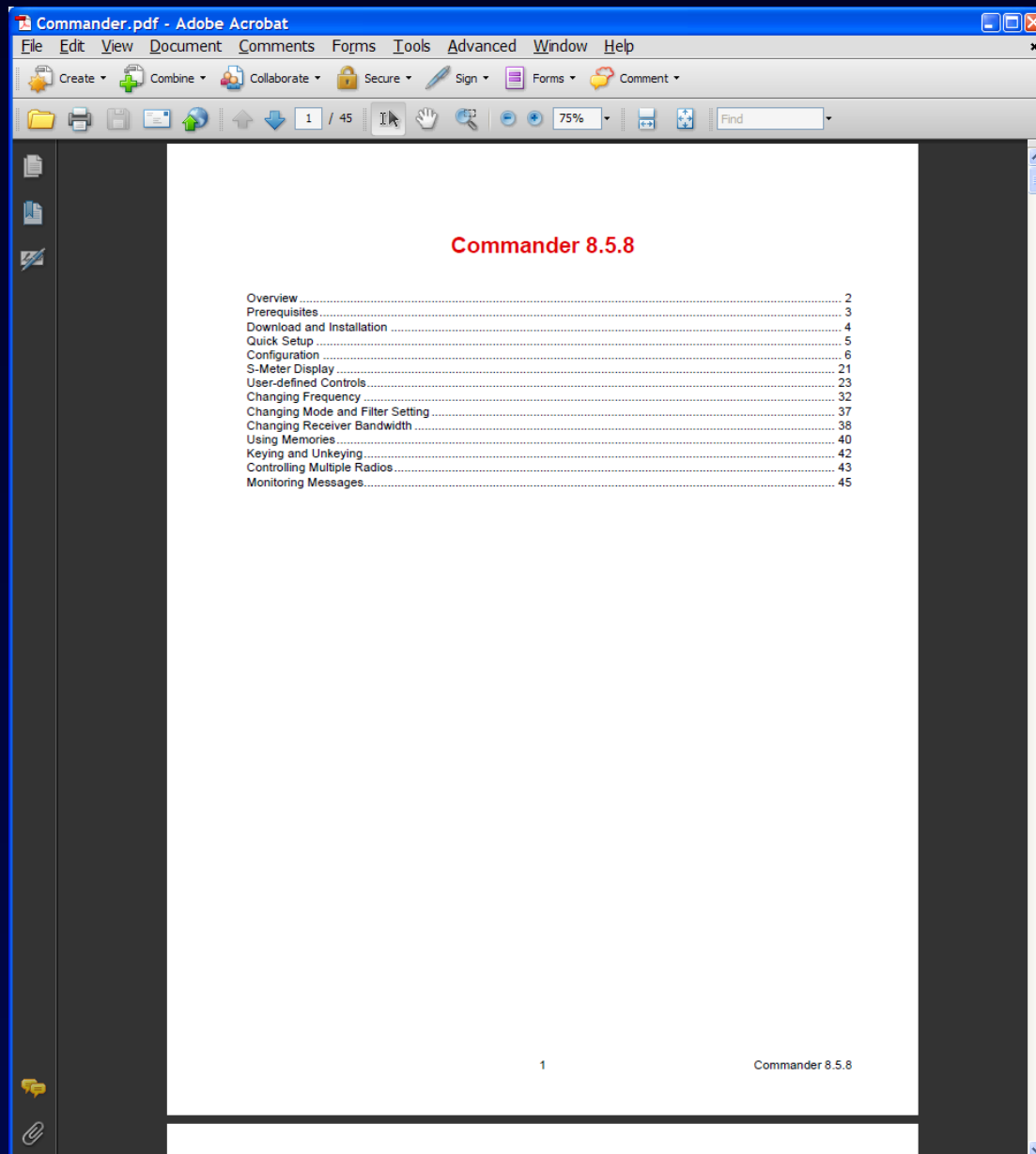
**Commander Online Help**

Commander enables you to

- control your Alinco, Elecraft, FlexRadio, Icom, JST, Kachina, Kenwood, TenTec, or Yaesu radio from your PC
- direct a second Elecraft, FlexRadio, Icom, Kenwood, TenTec, or Yaesu radio to [track your primary radio's frequency and mode](#)
- [direct your primary radio to follow another radio's frequency and mode, or follow another transceiver control application's frequency and mode](#)
- see DX Spots plotted on a zoom-able [bandspread display](#) of your radio's currently-active band
- see [frequency-dependent control settings](#) for devices like tuners and amplifiers
- store and recall frequencies (and associated modes) from 100 [memories](#) organized into 10 banks
- manually or automatically [switch](#) between up to four connected radios
- [control a microHam or OTRSP-compliant SO2R switching device](#)
- monitor [messages](#) between your radio and your PC
- provide [DXKeeper](#), [PropView](#), [SpotCollector](#), and [WinWarbler](#) with access to your radio's frequency and mode

<a href="#">Prerequisites</a>	<a href="#">Changing frequency</a>
<a href="#">Downloading and Installation</a>	<ul style="list-style-type: none"><li>◦ <a href="#">using the VFO panel</a><ul style="list-style-type: none"><li>▪ <a href="#">via a wheeled mouse</a></li><li>▪ <a href="#">via keyboard action</a></li></ul></li><li>◦ <a href="#">using the Bandspread</a></li></ul>
<a href="#">Quick Setup</a>	<a href="#">Changing mode</a>
<a href="#">Configuration</a>	<a href="#">Changing receiver bandwidth</a>
<ul style="list-style-type: none"><li>◦ <a href="#">Radio Model</a></li><li>◦ <a href="#">Primary CAT Serial Port</a></li><li>◦ <a href="#">Secondary CAT Serial Port</a></li><li>◦ <a href="#">SO2R Serial Port</a></li><li>◦ <a href="#">Parallel port</a></li><li>◦ <a href="#">S-Meter Display</a></li><li>◦ <a href="#">Frequency-dependent devices</a></li><li>◦ <a href="#">Multiple radios</a></li><li>◦ <a href="#">Bandspread</a></li><li>◦ <a href="#">Transverters</a></li><li>◦ <a href="#">User-defined Controls</a></li><li>◦ <a href="#">Sub-band definition</a></li></ul>	<a href="#">Viewing and selecting DX spots</a>
	<a href="#">Saving and restoring memories</a>
	<a href="#">Controlling multiple radios</a>
	<ul style="list-style-type: none"><li>◦ <a href="#">Primary CAT Port Switching</a></li><li>◦ <a href="#">Secondary CAT Port</a></li></ul>
	<a href="#">User-defined Controls</a>
	<ul style="list-style-type: none"><li>◦ <a href="#">Command Sequences</a></li><li>◦ <a href="#">Command-generating Sliders</a></li></ul>

# Documentation: PDF Reference





# Documentation: Step-by-Step

TranceiverControlIcom... x

www.dxlabsuite.com/dxlabwiki/TranceiverControlIcom

AA6YQ Preferences Logout

TranceiverControlIcom

RunningOnWin7 » Windows7FolderPermissions » GettingStarted » TransceiverControl » TranceiverControlIcom

RecentChanges FindPage HelpContents GettingStarted TranceiverControlIcom

Edit (Text) Info Add Link Attachments More Actions:

## Getting Started with Icom Transceiver Control

1. [connect your Icom transceiver to your PC](#)
2. run **Commander**, and click the **Config** button on its **Main window** to open its **Configuration window**
3. in Commander's Configuration window, select the **General** tab and in the **Radio** panel
  - a. set the **Model** selector to your Icom transceiver's model, e.g. **IC-756ProIII**
  - b. choose **hexadecimal radix**
  - c. specify your transceiver's **CI-V address** in hexadecimal; this address is documented in your owner's manual's **Remote Jack (CI-V)** section as a hexadecimal number
  - d. set the radio's **CI-V Transceive** parameter to **off** (using its menu system)
4. in Commander's Configuration window select the **Ports** tab and in the **Primary CAT Serial Port** panel,
  - a. designate the **serial port** that is connected to your radio interface
  - b. select the **baud rate**, **parity**, **word length**, and **stop bits** that match your radio's settings (do not use your radio's **auto** baud rate setting, as doing so can result in missed or garbled CI-V commands)
  - c. if an external interface is being used and it derives its power from the serial port's **DTR** and/or **RTS** modem control signals, place these signals in the **always on** state
  - d. if your transceiver [requires an external interface for RX-TX switching](#)
    - if the serial port **DTR** signal is used for this purpose, place this signal in the **on to xmit** state
    - if the serial port **RTS** signal is used for this purpose, place this signal in the **on to xmit** state
    - if a parallel port's pin 17 is used for this purpose, select the appropriate parallel port and check the **Radio & PTT** panel's **Enable** box
5. on the Configuration window's General tab,
  - a. check the **Continuous Frequency and Mode Interrogation** box
  - b. set the **Continuous Frequency and Mode Interrogation interval** to 200 ms
6. On Commander's Main window
  - a. the **VFO panel** should reflect changes you make to your radio's frequency via its front panel
  - b. the **Mode panel** should reflect changes you make to your radio's mode via its front panel
  - c. Modifying the VFO panel's frequency display contents and striking the Enter key will radio's primary VFO to the specified frequency; see [Changing Frequency](#) for information about the other ways you can change transceiver frequency from the VFO panel
  - d. Clicking the Mode panel's buttons should change your transceiver's mode; see [Changing Mode](#) for additional information
  - e. Clicking the **Bandspread** button will display a Bandspread window; see [Bandspread Window](#) for additional information.

### Additional Topics

- [Changing Frequency](#)
- [Changing Mode](#)
- [Using Memories](#)
- [Using Frequency-dependent devices](#)

# Documentation: Explanatory Popups

**Radio**

Model: IC-756PROIII

CI-V Address: 76 Default: 6E 16  
☒ Hexadecimal  
☐ Decimal

☒ Continuous interrogation

Command interval (ms): 50

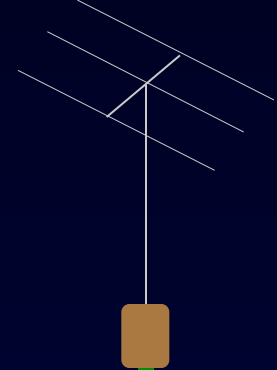
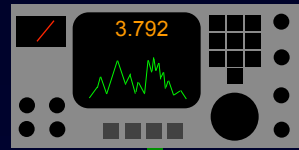
Scan dwell: 60

☐ Synchronize transceiver frequencies before logging or spotting

Buttons: Reset, Display Error Log

the time interval between command groups sent to the transceiver, in milliseconds

# the DXLab Suite



WinWarbler

Commander

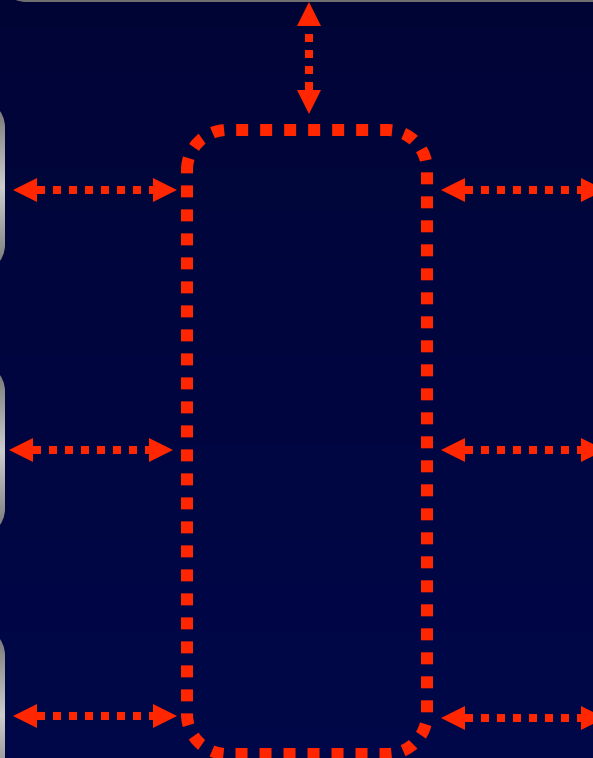
DXView

DXKeeper

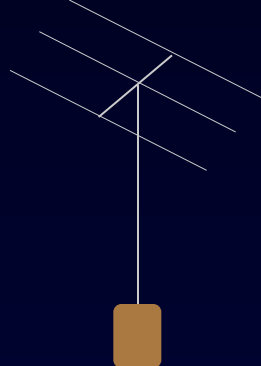
SpotCollector

PropView

Pathfinder



# the DXLab Suite



WinWarbler

Commander

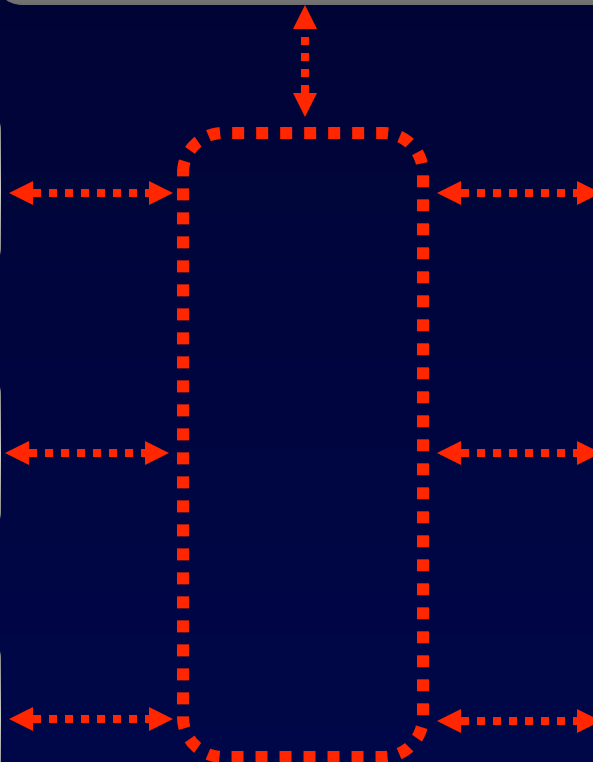
DXView

DXKeeper

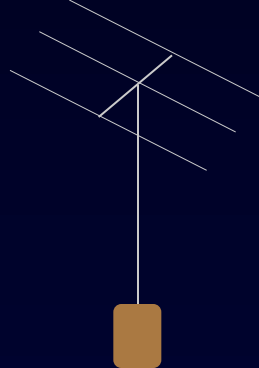
SpotCollector

PropView

Pathfinder



# the DXLab Suite



WinWarbler

Commander

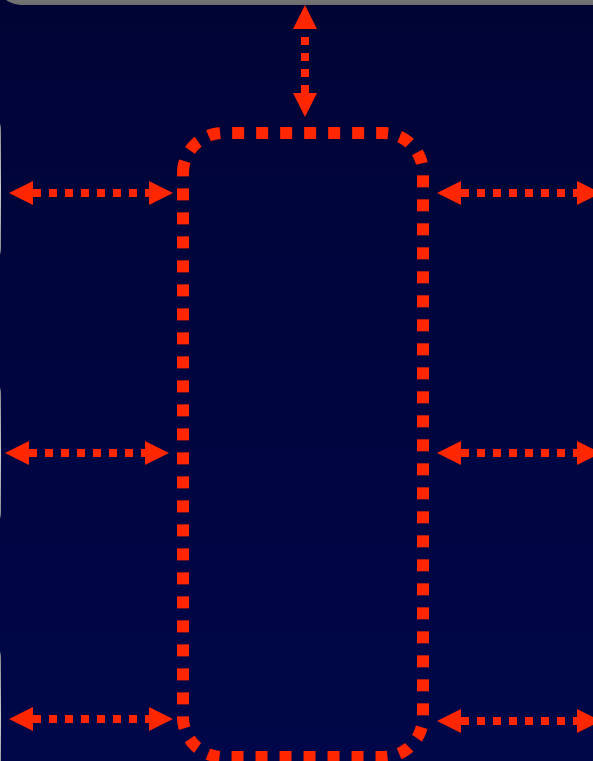
DXView

DXKeeper

SpotCollector

PropView

Pathfinder



# DXKeeper

- Logging
- QSLing
- Award Tracking
- Multiple QTHs per log
- Import QSOs from file
- Export QSOs to file

# DXKeeper

- Logging
- QSLing
- Award Tracking
- Multiple QTHs per log
- Import QSOs from file
- Export QSOs to file

DXKeeper 8.9.4 [CC,DXV,PV,WW] - AA6YQ.mdb : 18487 QSOs

Log QSOs   QSL   Check Progress   my QTHs   Import QSOs   Export QSOs

**QSO: Jordan (00:15)**

call  name  QTH

mode  via  tx freq  begin

sent  rcvd  tx band  rx freq  end

power  code  DXCC  entity

☐ Auxiliary  
☐ QSL  
☐ Online QSL  
☐ Award  
☐ Contest  
☐ Propagation  
☐ Details  
☐ User-defined

New Save Undo CBA Delete Report Plot 18487 Adv RAT Capture Config Help

	Call	Name	DXCC	Starting UTC	Mode	Freq	RX Freq	Band	Sent	Rcvd	QTH
	IK5UAN	Roberto	I	9/19/2010 10:47	RTTY	14.087	14.087	20M	599	599	Monsummano Ter. Pt
	HA5VZ	Miklos	HA	9/19/2010 10:51	RTTY	14.086	14.086	20M	599	599	Budapest
	UX2SB	Vasil	UT	9/19/2010 10:52	RTTY	14.086	14.086	20M	599	599	Ivano-fr. Obl.
	G3WCY	Brian	G	9/19/2010 10:53	RTTY	14.086	14.086	20M	599	579	Near Oxford
	OH2LZI	Heikki	OH	9/19/2010 10:55	RTTY	14.086	14.086	20M	559	599	Pernaja
	DD8HB	Rolf	DL	9/19/2010 10:57	RTTY	14.086	14.086	20M	599	599	Luebeck-schlutup
	JH8JYV	Hide	JA	9/19/2010 21:43	CW	18.075	18.075	17M	599	599	Sapporo-city
	PJ7/N9NA	John	PJ5	9/19/2010 21:59	CW	18.075	18.075	17M	559	589	
	JT5DX	Chadraabal	JT	9/19/2010 23:23	CW	18.075	18.075	17M	599	599	Mongolia
	RX0AT	Vit	UA	9/20/2010 01:01	RTTY	14.082	14.082	20M	599	599	Krasnoyarsk
	KP4JFR	Jose	KP4	9/20/2010 01:11	RTTY	14.083	14.083	20M	599	599	Trujillo Alto, PR
	JY4NE	Ali	JY	9/20/2010 18:37	RTTY	14.087	14.086	20M	599	599	Aman

Sort: ☒ UTC ☐ Call ☐ Adv Filter: None

X Call DXCC Date Since Sel LotW Broke ~

# DXKeeper: Logging

- Comprehensive log database
- Powerful QSO searching, sorting, and editing
- Capture window optimized for operating
- Callbook access



# DXKeeper Main Window

DXKeeper 8.9.4 [CC,DXV,PV,WW] - AA6YQ.mdb : 18487 QSOs

Log QSOs    QSL    Check Progress    my QTHs    Import QSOs    Export QSOs

**QSO: Jordan (00:15)**

call JY4NE    name Ali    QTH Amman

mode RTTY    via    tx freq 14.087    begin 9/20/2010 18:37

sent 599    rcvd 599    tx band 20M    rx freq 14.086    end 9/20/2010 18:38

power 1500    code 342    DXCC JY    entity Jordan

☐ Auxiliary  
☐ QSL  
☐ Online QSL  
☐ Award  
☐ Contest  
☐ Propagation  
☐ Details  
☐ User-defined

New    Save    Undo    CBA    Delete    Report    Plot    18487    Adv    RAT    Capture    Config    Help

	Call	Name	DXCC	Starting UTC	Mode	Freq	RX Freq	Band	Sent	Rcvd	QTH
	IK5UAN	Roberto	I	9/19/2010 10:47	RTTY	14.087	14.087	20M	599	599	Monsummano Ter. Pt
	HA5VZ	Miklos	HA	9/19/2010 10:51	RTTY	14.086	14.086	20M	599	599	Budapest
	UX2SB	Vasil	UT	9/19/2010 10:52	RTTY	14.086	14.086	20M	599	599	Ivano-fr. Obl.
	G3W/CY	Brian	G	9/19/2010 10:53	RTTY	14.086	14.086	20M	599	579	Near Oxford
	OH2LZ	Heikki	OH	9/19/2010 10:55	RTTY	14.086	14.086	20M	559	599	Pernaja
	DD8HB	Rolf	DL	9/19/2010 10:57	RTTY	14.086	14.086	20M	599	599	Luebeck-schlutup
	JH8JYV	Hide	JA	9/19/2010 21:43	Cw	18.075	18.075	17M	599	599	Sapporo-city
	PJ7/N9NA	John	PJ5	9/19/2010 21:59	Cw	18.075	18.075	17M	559	589	
	JT5DX	Chadraabal	JT	9/19/2010 23:23	Cw	18.075	18.075	17M	599	599	Mongolia
	RX0AT	Vit	UA0	9/20/2010 01:01	RTTY	14.082	14.082	20M	599	599	Krasnoyarsk
	KP4JFR	Jose	KP4	9/20/2010 01:11	RTTY	14.083	14.083	20M	599	599	Trujillo Alto, PR
▶	JY4NE	Ali	JY	9/20/2010 18:37	RTTY	14.087	14.086	20M	599	599	Amman

Sort    Filter: None

☒ UTC    ☐ Call    ☐ Adv

X    Call    DXCC    Date    Since    Sel    LotW    Broke    ~

# DXKeeper Main Window: Previous QSOs

DXKeeper 8.9.4 [CC,DXV,PV,WW] - AA6YQ.mdb (filtered): 5 QSOs

**Log QSOs**    QSL    Check Progress    my QTHs    Import QSOs    Export QSOs

**QSO: Jordan (00:15)**

call JY4NE    name Ali    QTH Amman

mode RTTY    via    tx freq 14.087    begin 9/20/2010 18:37

sent 599 rcvd 599    tx band 20M    rx freq 14.086    end 9/20/2010 18:38

power 1500 code 342    DXCC JY    entity Jordan

☐ Auxiliary  
☐ QSL  
☐ Online QSL  
☐ Award  
☐ Contest  
☐ Propagation  
☐ Details  
☐ User-defined

New Save Undo CBA Delete Report Plot 5 Adv RAT Capture Config Help

	Call	Name	DXCC	Starting UTC	Mode	Freq	RX Freq	Band	Sent	Rcvd	QTH
	JY4NE	Ali	JY	9/5/1999 03:17	SSB	14.292		20M	59	59	
	JY4NE	Ali	JY	9/5/1999 17:08	SSB	28.470		10M	33	55	
	JY4NE	Ali	JY	9/13/2003 18:45	RTTY	14.083		20M	599	599	
	JY4NE	Ali	JY	7/19/2010 03:50	Cw	14.037	14.037	20M	599	599	Amman
▶	JY4NE	Ali	JY	9/20/2010 18:37	RTTY	14.087	14.086	20M	599	599	Amman

**Sort**    **Filter: Previous QSOs with JY4NE**

☒ UTC    ☐ Call    ☐ Adv    JY4NE X    Call    DXCC    Date    Since    Sel    LotW    Broke    ~

# DXKeeper Main Window: Award Panel

DXKeeper 8.9.4 [CC,DXV,PV,WW] - AA6YQ.mdb : 18487 QSOs

Log QSOs    QSL    Check Progress    my QTHs    Import QSOs    Export QSOs

**QSO: Jordan (00:15)**

call JY4NE    name Ali    QTH Aman

mode RTTY    via    tx freq 14.087    begin 9/20/2010 18:37

sent 599    rcvd 599    tx band 20M    rx freq 14.086    end 9/20/2010 18:38

power 1500    code 342    DXCC JY    entity Jordan

☐ Auxiliary  
☐ QSL  
☐ Online QSL  
☒ Award  
☐ Contest  
☐ Propagation  
☐ Details  
☐ User-defined

**Award**

grid    IOTA    cont AS    WPX JY4    CQ 20    ITU 39

pri sub ?    sec sub ?

New    Save    Undo    CBA    Delete    Report    Plot    18487    Adv    RAT    Capture    Config    Help

	Call	Name	DXCC	Starting UTC	Mode	Freq	RX Freq	Band	Sent	Rcvd	QTH
	IK5UAN	Roberto	I	9/19/2010 10:47	RTTY	14.087	14.087	20M	599	599	Monsummano Ter. Pt
	HA5VZ	Miklos	HA	9/19/2010 10:51	RTTY	14.086	14.086	20M	599	599	Budapest
	UX2SB	Vasil	UT	9/19/2010 10:52	RTTY	14.086	14.086	20M	599	599	Ivano-fr. Obl.
	G3W/CY	Brian	G	9/19/2010 10:53	RTTY	14.086	14.086	20M	599	579	Near Oxford
	OH2LZI	Heikki	OH	9/19/2010 10:55	RTTY	14.086	14.086	20M	559	599	Pernaja
	DD8HB	Rolf	DL	9/19/2010 10:57	RTTY	14.086	14.086	20M	599	599	Luebeck-schlutup
	JH8JYV	Hide	JA	9/19/2010 21:43	CW	18.075	18.075	17M	599	599	Sapporo-city
	PJ7/N9NA	John	PJ5	9/19/2010 21:59	CW	18.075	18.075	17M	559	589	
	JT5DX	Chadraabal	JT	9/19/2010 23:23	CW	18.075	18.075	17M	599	599	Mongolia
	RX0AT	Vit	UA	9/20/2010 01:01	RTTY	14.082	14.082	20M	599	599	Krasnoyarsk
	KP4JFR	Jose	KP4	9/20/2010 01:11	RTTY	14.083	14.083	20M	599	599	Trujillo Alto, PR
▶	JY4NE	Ali	JY	9/20/2010 18:37	RTTY	14.087	14.086	20M	599	599	Amman

**Sort**    **Filter: None**

☒ UTC    ☐ Call    ☐ Adv

X    Call    DXCC    Date    Since    Sel    LotW    Broke    ~

# DXKeeper Main Window: Award Panel

DXKeeper 8.9.4 [CC,DXV,PV,WW] - AA6YQ.mdb : 18487 QSOs

Log QSOs    QSL    Check Progress    my QTHs    Import QSOs    Export QSOs

**QSO: Asiatic Russia**

call  name  QTH

mode  via  tx freq  begin

sent  rcvd  tx band  rx freq  end

power  code  DXCC  entity

☐ Auxiliary  
☐ QSL  
☐ Online QSL  
☒ Award  
☐ Contest  
☐ Propagation  
☐ Details  
☐ User-defined

**Award**

grid  IOTA  cont  WPX  CQ  ITU

subyekt  district 

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

	Call	Name	DXCC	Starting UTC	Mode	Freq	RX Freq	Band	Sent	Rcvd	QTH
	IK5UAN	Roberto	I	9/19/2010 10:47	RTTY	14.087	14.087	20M	599	599	Monsummano Ter. Pt
	HA5VZ	Miklos	HA	9/19/2010 10:51	RTTY	14.086	14.086	20M	599	599	Budapest
	UX2SB	Vasil	UT	9/19/2010 10:52	RTTY	14.086	14.086	20M	599	599	Ivano-fr. Obl.
	G3W/CY	Brian	G	9/19/2010 10:53	RTTY	14.086	14.086	20M	599	579	Near Oxford
	OH2LZI	Heikki	OH	9/19/2010 10:55	RTTY	14.086	14.086	20M	559	599	Pernaja
	DD8HB	Rolf	DL	9/19/2010 10:57	RTTY	14.086	14.086	20M	599	599	Luebeck-schlutup
	JH8JYV	Hide	JA	9/19/2010 21:43	CW	18.075	18.075	17M	599	599	Sapporo-city
	PJ7/N9NA	John	PJ5	9/19/2010 21:59	CW	18.075	18.075	17M	559	589	
	JT5DX	Chadraabal	JT	9/19/2010 23:23	CW	18.075	18.075	17M	599	599	Mongolia
▶	RX0AT	Vit	UA	9/20/2010 01:01	RTTY	14.082	14.082	20M	599	599	Krasnoyarsk
	KP4JFR	Jose	KP4	9/20/2010 01:11	RTTY	14.083	14.083	20M	599	599	Trujillo Alto, PR
	JY4NE	Ali	JY	9/20/2010 18:37	RTTY	14.087	14.086	20M	599	599	Amman

**Sort** ☒ UTC ☐ Call ☐ Adv

**Filter: None**

# DXKeeper Main Window: Subdivision Selector

**Main Administrative Subdivision Selector (Asiatic Russia)**

Primary Administrative Subdivision (Subyekt)

Code: KK    Oblast: 103    Name: Krasnoyarsk (Krasnoyarsk Kraj)

Secondary Administrative Subdivision (District)

Code: [Empty]    District: [Empty]

- Abansky Area
- Achinsk
- Achinsky Area
- Alahtinsky Area
- Berezovsky Area
- Biriljussky Area
- Bogotol

# DXKeeper Main Window: QSL Panel

DXKeeper 8.9.4 [CC,DXV,PV,WW] - AA6YQ.mdb : 18487 QSOs

Log QSOs    QSL    Check Progress    my QTHs    Import QSOs    Export QSOs

**QSO: Finland**

call OH2LZI    name Heikki    QTH Pernaja

mode RTTY    via    tx freq 14.086035    begin 9/19/2010 10:55

sent 559    rcvd 599    tx band 20M    rx freq 14.086042    end 9/19/2010 10:55

power 1500    code 224    DXCC OH    entity Finland

**QSL**

sent Y    R    CFM    date sent 10/7/2010    sent via    WAZ vfy    VUCC vfy

rcvd R    R    VFY    date rcvd    rcvd via    IOTA vfy

msg

myQTH Wayland:IC-7800

addr Heikki Ahola  
Tuomaantie 13A  
FI-02180 Espoo  
FINLAND

QSL Sent  
N - don't send  
R - requested  
Y - sent  
I - don't send

QSL Rcvd  
R - requested  
Y - confirmed  
S - submitted  
V - verified  
I - invalid  
X - expired

New    Save    Undo    CBA    Delete    Report    Plot    18480    Adv    RAT    Capture    Config    Help

	Call	Name	DXCC	Starting UTC	Mode	Freq	RX Freq	Band	Sent	Rcvd	QTH
	IK5UAN	Roberto	I	9/19/2010 10:47	RTTY	14.087	14.087	20M	599	599	Monsummano Ter. Pt
	HA5VZ	Miklos	HA	9/19/2010 10:51	RTTY	14.086	14.086	20M	599	599	Budapest
	UX2SB	Vasil	UT	9/19/2010 10:52	RTTY	14.086	14.086	20M	599	599	Ivano-fr. Obl.
	G3wCY	Brian	G	9/19/2010 10:53	RTTY	14.086	14.086	20M	599	579	Near Oxford
▶	OH2LZI	Heikki	OH	9/19/2010 10:55	RTTY	14.086	14.086	20M	559	599	Pernaja
	DD8HB	Rolf	DL	9/19/2010 10:57	RTTY	14.086	14.086	20M	599	599	Luebeck-schlutup
	JH8JYV	Hide	JA	9/19/2010 21:43	Cw	18.075	18.075	17M	599	599	Sapporo-city
	PJ7/N9NA	John	PJ5	9/19/2010 21:59	Cw	18.075	18.075	17M	559	589	
	JT5DX	Chadraabal	JT	9/19/2010 23:23	Cw	18.075	18.075	17M	599	599	Mongolia
	RX0AT	Vit	UA0	9/20/2010 01:01	RTTY	14.082	14.082	20M	599	599	Krasnoyarsk
	KP4JFR	Jose	KP4	9/20/2010 01:11	RTTY	14.083	14.083	20M	599	599	Trujillo Alto, PR
	JY4NE	Ali	JY	9/20/2010 18:37	RTTY	14.087	14.086	20M	599	599	Amman

Sort    Filter: None

UTC    Call    Adv    X    Call    DXCC    Date    Since    Sel    LotW    Broke    ~

# DXKeeper Main Window: Online QSL Panel

DXKeeper 8.9.4 [CC,DXV,PV,WW] - AA6YQ.mdb : 18487 QSOs

Log QSOs    QSL    Check Progress    my QTHs    Import QSOs    Export QSOs

**QSO: Finland**

call OH2LZ name Heikki QTH Pernaja

mode RTTY via tx freq 14.086035 begin 9/19/2010 10:55

sent 559 rcvd 599 tx band 20M rx freq 14.086042 end 9/19/2010 10:55

power 1500 code 224 DXCC OH entity Finland

**QSL**

sent Y R CFM date sent 10/7/2010 sent via WAZ vfy VUCC vfy

rcvd R R VFY date rcvd rcvd via IOTA vfy

msg Heikki Ahola  
Tuomaantie 13A  
FI-02180 Espoo  
FINLAND

myQTH Wayland:IC-7800

**Online QSL**

eQSL.cc

sent R CFM date sent

rcvd VFY date rcvd

Display member A

LotW

sent Y CFM date sent 9/19/2010

rcvd R VFY date rcvd

member Y

QSL Sent  
N - don't send  
R - requested  
Y - sent  
I - don't send

QSL Rcvd  
R - requested  
Y - confirmed  
S - submitted  
V - verified  
I - invalid  
X - expired

New Save Undo CBA Delete Report Plot 18480 Adv RAT Capture Config Help

Call	Name	DXCC	Starting UTC	Mode	Freq	RX Freq	Band	Sent	Rcvd	QTH
IK5UAN	Roberto	I	9/19/2010 10:47	RTTY	14.087	14.087	20M	599	599	Monsummano Ter. Pt
HA5VZ	Miklos	HA	9/19/2010 10:51	RTTY	14.086	14.086	20M	599	599	Budapest
UX2SB	Vasil	UT	9/19/2010 10:52	RTTY	14.086	14.086	20M	599	599	Ivano-fr. Obl.
G3wCY	Brian	G	9/19/2010 10:53	RTTY	14.086	14.086	20M	599	579	Near Oxford
OH2LZ	Heikki	OH	9/19/2010 10:55	RTTY	14.086	14.086	20M	559	599	Pernaja
DD8HB	Rolf	DL	9/19/2010 10:57	RTTY	14.086	14.086	20M	599	599	Luebeck-schlutup
JH8JYV	Hide	JA	9/19/2010 21:43	CW	18.075	18.075	17M	599	599	Sapporo-city
PJ7/N9NA	John	PJ5	9/19/2010 21:59	CW	18.075	18.075	17M	559	589	
JT5DX	Chadraabal	JT	9/19/2010 23:23	CW	18.075	18.075	17M	599	599	Mongolia
RX0AT	Vit	UA0	9/20/2010 01:01	RTTY	14.082	14.082	20M	599	599	Krasnoyarsk
KP4JFR	Jose	KP4	9/20/2010 01:11	RTTY	14.083	14.083	20M	599	599	Trujillo Alto, PR
JY4NE	Ali	JY	9/20/2010 18:37	RTTY	14.087	14.086	20M	599	599	Amman

**Sort** Filter: None

UTC Call Adv X Call DXCC Date Since Sel LotW Broke ~

# DXKeeper Main Window: Online QSL Panel

DXKeeper 8.9.4 [CC,DXV,PV,WW] - AA6YQ.mdb : 18487 QSOs

Log QSOs    QSL    Check Progress    my QTHs    Import QSOs    Export QSOs

**QSO: Finland**

call OH2LZI    name Heikki    QTH Pernaja

mode RTTY    via    tx freq 14.086035    begin 9/19/2010 10:55

sent 559    rcvd 599    tx band 20M    rx freq 14.086042    end 9/19/2010 10:55

power 1500    code 224    DXCC OH    entity Finland

**QSL**

sent Y    R    CFM    date sent 10/7/2010    sent via    WAZ vfy    VUCC vfy

rcvd R    R    VFY    date rcvd    rcvd via    IOTA vfy

msg    addr Heikki Ahola  
Tuomaantie 13A  
FI-02180 Espoo  
FINLAND

myQTH Wayland:IC-7800

**Online QSL**

eQSL.cc    sent R    CFM    date sent    rcvd    VFY    date rcvd    Display    member A

LotW    sent Y    CFM    date sent 9/19/2010    rcvd R    VFY    date rcvd    member Y

QSL Sent  
N - don't send  
R - requested  
Y - sent  
I - don't send

QSL Rcvd  
R - requested  
Y - confirmed  
S - submitted  
V - verified  
I - invalid  
X - expired

New    Save    Undo    CBA    Delete    Report    Plot    18480    Adv    RAT    Capture    Config    Help

Call	Name	DXCC	Starting UTC	Mode	Freq	RX Freq	Band	Sent	Rcvd	QTH
IK5UAN	Roberto	I	9/19/2010 10:47	RTTY	14.087	14.087	20M	599	599	Monsummano Ter. Pt
HA5VZ	Miklos	HA	9/19/2010 10:51	RTTY	14.086	14.086	20M	599	599	Budapest
UX2SB	Vasil	UT	9/19/2010 10:52	RTTY	14.086	14.086	20M	599	599	Ivano-fr. Obl.
G3WCV	Brian	G	9/19/2010 10:53	RTTY	14.086	14.086	20M	599	579	Near Oxford
OH2LZI	Heikki	OH	9/19/2010 10:55	RTTY	14.086	14.086	20M	559	599	Pernaja
DD8HB	Rolf	DL	9/19/2010 10:57	RTTY	14.086	14.086	20M	599	599	Luebeck-schlutup
JH8JYV	Hide	JA	9/19/2010 21:43	CW	18.075	18.075	17M	599	599	Sapporo-city
PJ7/N9NA	John	PJ5	9/19/2010 21:59	CW	18.075	18.075	17M	559	589	
JT5DX	Chadraabal	JT	9/19/2010 23:23	CW	18.075	18.075	17M	599	599	Mongolia
RX0AT	Vit	UA0	9/20/2010 01:01	RTTY	14.082	14.082	20M	599	599	Krasnoyarsk
KP4JFR	Jose	KP4	9/20/2010 01:11	RTTY	14.083	14.083	20M	599	599	Trujillo Alto, PR
JY4NE	Ali	JY	9/20/2010 18:37	RTTY	14.087	14.086	20M	599	599	Amman

**Sort**    Filter: None

UTC    Call    Adv    X    Call    DXCC    Date    Since    Sel    LotW    Broke    ~



# DXKeeper Main Window: User-defined Fields

DXKeeper 8.9.4 [CC,DXV,PV,WW] - AA6YQ.mdb : 18487 QSOs

Log QSOs    QSL    Check Progress    my QTHs    Import QSOs    Export QSOs

**QSO: Jordan (00:15)**

call JY4NE    name Ali    QTH Amman

mode RTTY    via    tx freq 14.087    begin 9/20/2010 18:37

sent 599 rcvd 599    tx band 20M    rx freq 14.086    end 9/20/2010 18:38

power 1500 code 342    DXCC JY    entity Jordan

☐ Auxiliary  
☐ QSL  
☐ Online QSL  
☐ Award  
☐ Contest  
☐ Propagation  
☐ Details  
☒ User-defined

**User-defined**

Conditions good    TX antenna

CW speed 35    TX antenna ht

DXer    TX antenna el

DXLab    RX antenna

New   Save   Undo   CBA   Delete   Report   Plot   18487   Adv   RAT   Capture   Config   Help

Call	Name	DXCC	Starting UTC	Mode	Freq	RX Freq	Band	Sent	Rcvd	QTH
IK5UAN	Roberto	I	9/19/2010 10:47	RTTY	14.087	14.087	20M	599	599	Monsummano Ter. Pt
HA5VZ	Miklos	HA	9/19/2010 10:51	RTTY	14.086	14.086	20M	599	599	Budapest
UX2SB	Vasil	UT	9/19/2010 10:52	RTTY	14.086	14.086	20M	599	599	Ivano-fr. Obl.
G3wCY	Brian	G	9/19/2010 10:53	RTTY	14.086	14.086	20M	599	579	Near Oxford
OH2LZI	Heikki	OH	9/19/2010 10:55	RTTY	14.086	14.086	20M	559	599	Pernaja
DD8HB	Rolf	DL	9/19/2010 10:57	RTTY	14.086	14.086	20M	599	599	Luebeck-schlutup
JH8JYV	Hide	JA	9/19/2010 21:43	Cw	18.075	18.075	17M	599	599	Sapporo-city
PJ7/N9NA	John	PJ5	9/19/2010 21:59	Cw	18.075	18.075	17M	559	589	
JT5DX	Chadraabal	JT	9/19/2010 23:23	Cw	18.075	18.075	17M	599	599	Mongolia
RX0AT	Vit	UA0	9/20/2010 01:01	RTTY	14.082	14.082	20M	599	599	Krasnoyarsk
KP4JFR	Jose	KP4	9/20/2010 01:11	RTTY	14.083	14.083	20M	599	599	Trujillo Alto, PR
JY4NE	Ali	JY	9/20/2010 18:37	RTTY	14.087	14.086	20M	599	599	Amman

**Sort**    **Filter: None**

☒ UTC   ☐ Call   ☐ Adv

JY4NE   X   Call   DXCC   Date   Since   Sel   LotW   Broke   ~

# DXKeeper: Logging

- Comprehensive database
- Powerful QSO searching, sorting, and editing
- Capture window optimized for operating
- Callbook access

# DXKeeper Capture Window

DXKeeper Capture @ 10/7/2010 19:40 Z

call (7)	? VQ9LA	DXCC	? VQ9
RST sent/rcvd	559 579	mode	? CW
name	Larry	tx freq	? 7.002
QTH	Fpo Ap	rx freq	7.002
pri sub	?	sec sub	?
QSL requested	<input type="checkbox"/> via DIRECT QRZ	cont	AF
use bureau	<input type="checkbox"/> grid MI62	CQ -- ITU	39 41
LotW member	<input checked="" type="checkbox"/> IOTA AF-006	az -- path	52 S
eQSL AG	<input type="checkbox"/> pwr 100	myQTH ID	Wayland:IC-780C
comment	~		
contest mode	<input type="checkbox"/> ID	tx# -- rx#	
last QSO 8/28/2010 at 0101Z on 3.50798 in CW			
Conditions	QSB	TX antenna	
CW speed	30	TX antenna ht	
DXer		TX antenna el	
DXLab		RX antenna	

Lookup Spot End began 19:40 Z Clear Log

# DXKeeper Capture Window

DXKeeper Capture @ 10/7/2010 19:42 Z

call (7)	? VQ9LA	DXCC	? VQ9
RST sent/rcvd	559 579	mode	? CW
name	Larry	tx freq	? 7.002
QTH	Fpo Ap	rx freq	7.002

Lookup Spot End began 19:40 Z Clear Log

# DXKeeper Capture Window

DXKeeper Capture @ 10/7/2010 19:42 Z

call (7) ? **VQ9LA** DXCC ? VQ9

RST sent/rcvd 559 579 mode ? CW

name Larry tx freq ? 7.002

QTH Fpo Ap rx freq 7.002

Lookup Spot End began 19:40 Z Clear Log

DXKeeper 8.9.4 [CC,DXV,SC,WW] - AA6YQ.mdb (filtered): 7 QSOs [QSL queue: 7 QSLs]

Log QSOs QSL Check Progress my QTHs Import QSOs Export QSOs

**QSO: Chagos (2:48)**

call VQ9LA name Larry QTH Fpo Ap

mode CW via DIRECT QRZ.COM tx freq 3.50798 begin 8/28/2010 01:01

sent 599 rcvd 599 tx band 80M rx freq 3.50798 end 8/28/2010 01:04

power 1500 code 33 DXCC VQ9 entity Chagos

Auxiliary  
QSL  
Online QSL  
Award  
Contest  
Propagation  
Details  
User-defined

New Save Undo CBA Delete Report Plot 7 Adv RAT Capture Config Help

	Call	Name	DXCC	Starting UTC	Mode	Freq	RX Freq	Band	Sent	Rcvd	QTH
	VQ9LA		VQ9	8/13/2003 01:57	RTTY	14.083		20M	59	59	
	VQ9LA		VQ9	10/6/2003 01:16	CW	3.504		80M	559	599	
	VQ9LA	Larry	VQ9	8/10/2009 01:57	CW	10.107	10.106	30M			Fpo Ap
	VQ9LA	Larry	VQ9	9/17/2009 15:22	CW	18.087	18.085	17M			Fpo Ap
	VQ9LA	Larry	VQ9	2/21/2010 01:12	CW	10.117	10.116	30M	599	599	Fpo Ap
	VQ9LA	Larry	VQ9	8/8/2010 01:44	CW	7.002	7.002	40M	599	599	Fpo Ap
	VQ9LA	Larry	VQ9	8/28/2010 01:01	CW	3.508	3.508	80M	599	599	Fpo Ap

Sort  
☒ UTC ☐ Call ☐ Adv  
 Filter: Previous QSOs with VQ9LA  
 VQ9LA X Call DXCC Date Since Sel LotW Broke ~

# DXKeeper: Logging

- Comprehensive database
- Powerful QSO searching, sorting, and editing
- Capture window optimized for operating
- Callbook access
  - The usual suspects
    - Radio Amateur's Callbook CDROM
    - Buckmaster HamCall CDROM
    - HamCall.net
    - HamQTH.com (free with no advertising)
    - QRZ local database
    - QRZ.com (free with advertising, or data subscription)
  - Update logged QSOs en masse

# DXKeeper: QSLing

- Generates QSL cards and Labels
- Generates Address labels or prints envelopes
- Support for eQSL.cc and ARRL's LotW
  - One-click upload
  - One-click download and update
  - Independent tracking
- Automatic upload to Club Log
- Generates files for
  - BV, QSL Maker, QSL Design and Print
  - Online QSL Request Service (OQRS), Global QSL

# DXKeeper: QSLing with Cards

DXKeeper 8.9.4 [CC,DXV,SC,WW] - AA6YQ.mdb (filtered): 30 QSOs [QSL queue: 7 QSLs]

Log QSOs **QSL** Check Progress my QTHs Import QSOs Export QSOs

**QSL via**

☒ Cards ☐ 2-column labels ☐ eQSL.cc ☐ ADIF file  
☐ 3-column labels ☐ LotW ☐ tab-delimited file

**Address via**

☒ Envelopes ☐ 2-column labels  
☐ 3-column labels

**QSL Queue**

	QSL	Call	Via	Sent Via	Begin	Mode	Band	Station call	myQTH ID
▶	<input checked="" type="checkbox"/>	JT5DX	JT1CO		9/19/2010 23:23	CW	17M	AA6YQ	wayland:ic-7800
	<input checked="" type="checkbox"/>	AP2TN	DJ9ZB	direct	9/2/2010 20:58	CW	30M	AA6YQ	wayland:ic-7800
	<input checked="" type="checkbox"/>	A51A	JA1TRC	direct	9/10/2010 23:54	CW	40M	AA6YQ	wayland:ic-7800
	<input checked="" type="checkbox"/>	VQ9LA	DIRECT QRZ.COM	direct	8/28/2010 01:01	CW	80M	AA6YQ	wayland:ic-7800
	<input checked="" type="checkbox"/>	VQ9LA	DIRECT QRZ.COM	direct	8/8/2010 01:44	CW	40M	AA6YQ	wayland:ic-7800
	<input checked="" type="checkbox"/>	VQ9LA	DIRECT QRZ.COM	direct	2/21/2010 01:12	CW	30M	AA6YQ	wayland:ic-7800
	<input checked="" type="checkbox"/>	VQ9LA	DIRECT QRZ.COM	direct	9/17/2009 15:22	CW	17M	AA6YQ	wayland:ic-7800

◀ ▶

Add Needed Add Requested Add All QSL Config ◀ ▶ ▶ ▶

Enable All Disable All Clear Help

**Process QSLs and Addresses**

Print QSL Cards Create Address File Address Envelopes Update Log

☒ Print preview (QSL cards) ☐ Include QSLs to be sent via the QSL Bureau  
☒ Include QSLs to be sent via direct mail

**Self-addr envel**

Print

10  
batch size



# DXKeeper: QSL Card Print Preview

DXKeeper Print Preview

Next

Print

Left margin: .117 in  
Top margin: .117 in

Width: 10.333 in  
Height: 8.267 in

Dave Bernstein  
25 Glezen Lane  
Wayland, MA 01778

AA6YQ

Middlesex County  
FN42hi  
USA

Confirming a 2X QSO with AP2TN

Date	Time	Freq	Mode	RST	QSL?	Notes
02-Sep-10	2058Z	10.102	CW	599	please!	

printed by DXLab freeware

www.dxlabsuite.com

Dave Bernstein  
25 Glezen Lane  
Wayland, MA 01778

AA6YQ

Middlesex County  
FN42hi  
USA

Confirming a 2X QSO with A51A

Date	Time	Freq	Mode	RST	QSL?	Notes
10-Sep-10	2354Z	7.005	CW	599	please!	

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Dave Bernstein  
25 Glezen Lane  
Wayland, MA 01778

AA6YQ

Middlesex County  
FN42hi  
USA

Confirming a 2X QSO with JT5DX

Date	Time	Freq	Mode	RST	QSL?	Notes
19-Sep-10	2323Z	18.075	CW	599		

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Dave Bernstein  
25 Glezen Lane  
Wayland, MA 01778

AA6YQ

Middlesex County  
FN42hi  
USA

Confirming 2X QSOs with VQ9LA

Date	Time	Freq	Mode	RST	QSL?	Notes
17-Sep-09	1522Z	18.087	CW	599		
21-Feb-10	0112Z	10.117	CW	599		
08-Aug-10	0144Z	7.002	CW	599		
28-Aug-10	0101Z	3.508	CW	599		

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# DXKeeper: QSL Card

Dave Bernstein  
25 Glezen Lane  
Wayland, MA 01778

**AA6YQ**

Middlesex County  
FN42hi  
USA

## Confirming 2X QSOs with VQ9LA

Date	Time	Freq	Mode	RST	QSL?	Notes
17-Sep-09	1522Z	18.087	CW	599		
21-Feb-10	0112Z	10.117	CW	599		
08-Aug-10	0144Z	7.002	CW	599		
28-Aug-10	0101Z	3.508	CW	599		

printed by DXLab freeware

[www.dxlabsuite.com](http://www.dxlabsuite.com)

# DXKeeper: QSL Card with Background Image

Wayland Massachusetts  
Middlesex county

**AA6YQ**

Grid: FN42hi  
42 20' N  
71 25' W

**Confirming a 2X QSO with 5T0JL via ON8RA**

Date	Time	Freq	Mode	RST	QSL?	Notes
29-Jul-11	1906Z	24.894	CW	579		

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[www.dxlabsuite.com](http://www.dxlabsuite.com)



# DXKeeper: QSLing with Labels

DXKeeper 8.9.4 [CC,DXV,SC,WW] - AA6YQ.mdb (filtered): 30 QSOs [QSL queue: 7 QSLs]

Log QSOs   **QSL**   Check Progress   my QTHs   Import QSOs   Export QSOs

**QSL via**

☐ Cards   ☐ 2-column labels   ☐ eQSL.cc   ☐ ADIF file  
☒ 3-column labels   ☐ LotW   ☐ tab-delimited file

**Address via**

☒ Envelopes   ☐ 2-column labels  
☐ 3-column labels

**QSL Queue**

	QSL	Call	Via	Sent Via	Begin	Mode	Band	Station call	myQTH ID
	<input checked="" type="checkbox"/>	AP2TN	DJ9ZB	direct	9/2/2010 20:58	CW	30M	AA6YQ	wayland:ic-7800
	<input checked="" type="checkbox"/>	A51A	JA1TRC	direct	9/10/2010 23:54	CW	40M	AA6YQ	wayland:ic-7800
	<input checked="" type="checkbox"/>	JT5DX	JT1CO		9/19/2010 23:23	CW	17M	AA6YQ	wayland:ic-7800
	<input checked="" type="checkbox"/>	VQ9LA	DIRECT QRZ.COM	direct	9/17/2009 15:22	CW	17M	AA6YQ	wayland:ic-7800
	<input checked="" type="checkbox"/>	VQ9LA	DIRECT QRZ.COM	direct	2/21/2010 01:12	CW	30M	AA6YQ	wayland:ic-7800
	<input checked="" type="checkbox"/>	VQ9LA	DIRECT QRZ.COM	direct	8/8/2010 01:44	CW	40M	AA6YQ	wayland:ic-7800
	<input checked="" type="checkbox"/>	VQ9LA	DIRECT QRZ.COM	direct	8/28/2010 01:01	CW	80M	AA6YQ	wayland:ic-7800

◀   ▶

Add Needed   Add Requested   Add All   QSL Config   ◀ ◁ ▷ ▶

Enable All   Disable All   Clear   Help

**Process QSLs and Addresses**

Print QSL Labels   Create Address File   Address Envelopes   Update Log

☒ Print preview (QSL labels)    missing labels   ☐ Include QSLs to be sent via the QSL Bureau  
☒ Include QSLs to be sent via direct mail

**Self-addr envel**

Print    batch size

# DXKeeper: QSL Card Label Preview

DXKeeper Print Preview

Next Print

Left margin: .117 in Width: 8.267 in  
Top margin: .117 in Height: 10.333 in

AA6YQ cfm a 2X QSO with AP2TN

Date	Time	Freq	Mode	RST
02-Sep-10	2056Z	10.102	CW	559

AA6YQ cfm a 2X QSO with A51A

Date	Time	Freq	Mode	RST
10-Sep-10	2354Z	7.005	CW	599

AA6YQ cfm a 2X QSO with JT5DX

Date	Time	Freq	Mode	RST
19-Sep-10	2323Z	18.075	CW	599

AA6YQ cfm 2X QSOs with VQ9LA

Date	Time	Freq	Mode	RST
17-Sep-09	1522Z	18.087	CW	
21-Feb-10	0112Z	10.117	CW	599
08-Aug-10	0144Z	7.002	CW	599

AA6YQ cfm 2X QSOs with VQ9LA

Date	Time	Freq	Mode	RST
28-Aug-10	0101Z	3.508	CW	599

# DXKeeper: QSLing with Logbook of the World

DXKeeper 8.9.4 [CC,DXV,PV,WW] - AA6YQ.mdb : 18487 QSOs [QSL queue: 4 QSLs]

Log QSOs   **QSL**   Check Progress   my QTHs   Import QSOs   Export QSOs

**QSL via**

☐ Cards   ☐ 2-column labels   ☐ eQSL.cc   ☐ ADIF file  
☐ 3-column labels   ☒ LoTW   ☐ tab-delimited file

**Address via**

☒ Envelopes   ☐ 2-column labels   ☐ 3-column labels

**QSL Queue**

	QSL	Call	Via	Sent Via	Begin	Mode	Band	Station call	myQTH ID
	<input checked="" type="checkbox"/>	JT5DX	: JT1CO		9/19/2010 23:23	CW	17M	AA6YQ	wayland:ic-7800
	<input checked="" type="checkbox"/>	RX0AT			9/20/2010 01:01	RTTY	20M	AA6YQ	wayland:ic-7800
	<input checked="" type="checkbox"/>	KP4JFR			9/20/2010 01:11	RTTY	20M	AA6YQ	wayland:ic-7800
▶	<input checked="" type="checkbox"/>	JY4NE			9/20/2010 18:37	RTTY	20M	AA6YQ	wayland:ic-7800

◀ ▶

Add Needed   Add Requested   Add All   QSL Config   ◀ ◁ ▷ ▶

Enable All   Disable All   Clear   Help

**LoTW operations**

Upload to LoTW   Sync LoTW QSOs   Sync LoTW QSLs

9/20/2010 06:05:32   9/19/2010 21:05:07   9/21/2010 05:13:46

Station Location

**Self-addr envel**

Print

10  
batch size

# DXKeeper: Award Tracking

DXKeeper 8.9.4 [CC,DXV,PV,WW] - AA6YQ.mdb : 18487 QSOs

Log QSOs	QSL	<b>Check Progress</b>	my QTHs	Import QSOs	Export QSOs
<b>DXCC, Challenge, &amp; TopList</b>					
<input type="button" value="Progress"/> <input type="button" value="Submission"/> <input type="button" value="QSL Kind"/>		<input type="button" value="Progress"/> <input type="button" value="Realtime"/>		<input type="button" value="Progress"/> <input type="button" value="Submission"/> <input type="button" value="Summary"/>	
<input type="button" value="Realtime"/> <input type="button" value="Verification"/>					
<b>IOTA</b>					
<input type="button" value="Progress"/>		<b>CQ DX Marathon</b>		<b>CQ DX</b>	
		<input type="button" value="Progress"/> <input type="button" value="Submission"/>		<input type="button" value="Progress"/>	
<b>WAC reports</b>					
<input type="button" value="Progress"/>		<b>VUCC reports</b>		<b>Maidenhead reports</b>	
		<input type="button" value="Progress"/> <input type="button" value="Submission"/>		<input type="button" value="CQ Fields"/> <input type="button" value="Grids"/>	
<b>North American progress reports</b>					
<input type="button" value="WAS"/> <input type="button" value="USA-CA"/> <input type="button" value="Canada"/>		<b>JARL progress reports</b>		<b>Other progress reports</b>	
		<input type="button" value="WAJA"/> <input type="button" value="JCC"/> <input type="button" value="JCG"/> <input type="button" value="AJA"/>		<input type="button" value="DDFM"/> <input type="button" value="DOKs"/> <input type="button" value="Holyland"/>	
<b>SRR Russian Oblast reports</b>					
<input type="button" value="Progress"/> <input type="button" value="Submission"/>		<b>RDA Russian District reports</b>		<input type="button" value="WAB"/> <input type="button" value="WAE"/> <input type="button" value="WAHUC"/> <input type="button" value="WAIP"/>	
		<input type="button" value="Progress"/> <input type="button" value="Submission"/>		<input type="button" value="WITU"/>	
<input type="button" value="Card Aging"/> <input type="button" value="QSL Stats"/> <input type="button" value="Uniques"/> <input type="button" value="First QSOs"/> <input type="button" value="Show reports"/> <input type="button" value="Run Script"/> <input type="button" value="Recompute"/> <input type="button" value="Advanced"/> <input type="button" value="Config"/> <input type="button" value="Help"/>					

# DXKeeper: Award Tracking

- DXCC\* & Challenge\*
  - generates submission
  - tracks verification
- CQ DX\*
- CQ DX Marathon
- CQ Field\*
- Gridsquares
- IOTA\*
- TOPLIST\*
- VUCC\*
- Worked All Continents\*
- Worked All Europe
- Worked All Prefixes\*
- Worked All Zones\*
- Worked All British Areas
- Worked All Canadian Provinces
- Worked All French Departments
- Worked All German DOKs
- Worked All Holyland Areas
- Worked All Hungarian Counties
- Worked All Italian Provinces
- Worked All Japanese Cities
- Worked All Japanese Guns
- Worked All Japanese Prefectures
- Worked All Russian Oblasts
- Worked All Russian Districts
- Worked All US States\*
- Worked All US Counties\*

\* identifies needed confirmations



# DXKeeper: Realtime DXCC Award Tracking

**DXKeeper Realtime Award Tracking: KF6ZWD/HC2**

**DXCC, Challenge, Top** | Marathon | WAZ

**Award Progress: 340 current DXCC entities [Filter: by progress]**

	Prefix	Entity	Phone	CW	RTTY	PSK	160M	80M	40M	30M	20M	17M	15M	12M	10M	6M	2M
▶	HC	V	V	V	V	C	V	V	V	V	V	V	V	V	V	V	
	HC8	V	V	V	V		V	V	V	V	V	V	V	V	V	V	
	HH	V	V	V	V	C	V	V	V	V	V	V	V	V	V	V	
	HI	V	V	V	V	C	V	V	V	V	V	V	V	V	V	V	
	HK	V	V	V	V	C	V	V	V	V	V	V	V	V	V	V	
	HK0-M	V	V						V		V	V	V	V	V		

**Award Progress Filter**

Band: **ANY** ☐ Unworked ☐ Worked ☐ Requested ☒ Confirmed ☒ Verified **All**

Mode: **MIXED** ☐ Include deleted DXCC entities **Report**

**HC (Ecuador) Progress Details**

	160M	80M	40M	30M	20M	17M	15M	12M	10M	6M	2M
PHONE		V	W		V	V	V		V		
CW	V		V	V	V	W	C	V	W		
RTTY			C		V						
PSK			C								

**Key**

- W - worked
- Q - queued
- R - requested
- C - confirmed
- V - verified

**Summary**

# DXKeeper: Realtime Marathon Award Tracking

DXKeeper Realtime Award Tracking: KF6ZWD/HC2

DXCC, Challenge, Top **Marathon** WAZ

2011 Marathon Award Progress: 193 CQ Countries and Zones [Filter: by progress]

Name	Mixed	SSB	CW	DIGI	160m	80m	60m	40m	30m	20m	17m	15m	12m	10m	6m	2m
▶ HC	W		W		W			W								
HI	W		W					W								
HK	W		W					W								
HL		W						W								
HP	W			W				W								
HR	W		W					W								
HV	W	W								W						
HZ	W		W					W								
I	W		W	W	W	W										
IS0	W		W					W								
IT9	W		W	W	W	W										
J3	W		W					W								
J6	W	W						W								
J7	W	W				W										
JA	W		W							W						
JY	W	W						W								
K	W		W		W						W					
KH2	W		W								W					
KH6	W		W								W					

**Key**  
W - worked  
Q - queued  
R - requested  
C - confirmed  
V - verified

**Marathon Award Progress Filter**

Band **ANY** Mode **MIXED** ☐ Unworked ☒ Worked **All** **Report** **Submission** **Config** **Help**

# DXKeeper: Realtime WAZ Award Tracking

DXKeeper Realtime Award Tracking: KF6ZWD/HC2

DXCC, Challenge, Top    Marathon    **WAZ**

**WAZ Award Progress: 39 Zones [Filter: by progress]**

	Zone	Mixed	SSB	CW	RTTY	AM	SSTV	DIGI	160m	80m	40m	30m	20m	17m	15m	12m	10m	6m
▶	10	C	C	C	C			C	C	C	C	C	C	C	C	C	C	C
	11	C	C	C	C			C	C	C	C	C	C	C	C	C	C	C
	12	C	C	C	C			C	C	C	C	C	C	C	C	C	C	C
	13	C	C	C	C			C	C	C	C	C	C	C	C	C	C	C
	14	C	C	C	C	C		C	C	C	C	C	C	C	C	C	C	C

**WAZ Award Progress Filter**

Band: ANY    ☐ Unworked    ☐ Worked    ☐ Requested    ☒ Confirmed    ☒ Verified    All

Mode: MIXED    Report

**CQ Zone 10 Progress Details**

	160m	80m	40m	30m	20m	17m	15m	12m	10m	6m
SSB	W	C	W		C	C	C	C	C	C
CW	C	C	C	C	C	C	C	C	W	C
RTTY			W		C		C		C	
AM										
SSTV										
DIGITAL			C		C					

**Key**

- W - worked
- Q - queued
- R - requested
- C - confirmed
- V - verified

# DXKeeper: by QSL Kind

AA6YQ DXCC Progress by QSL Kind 2010-10-07 - Notepad

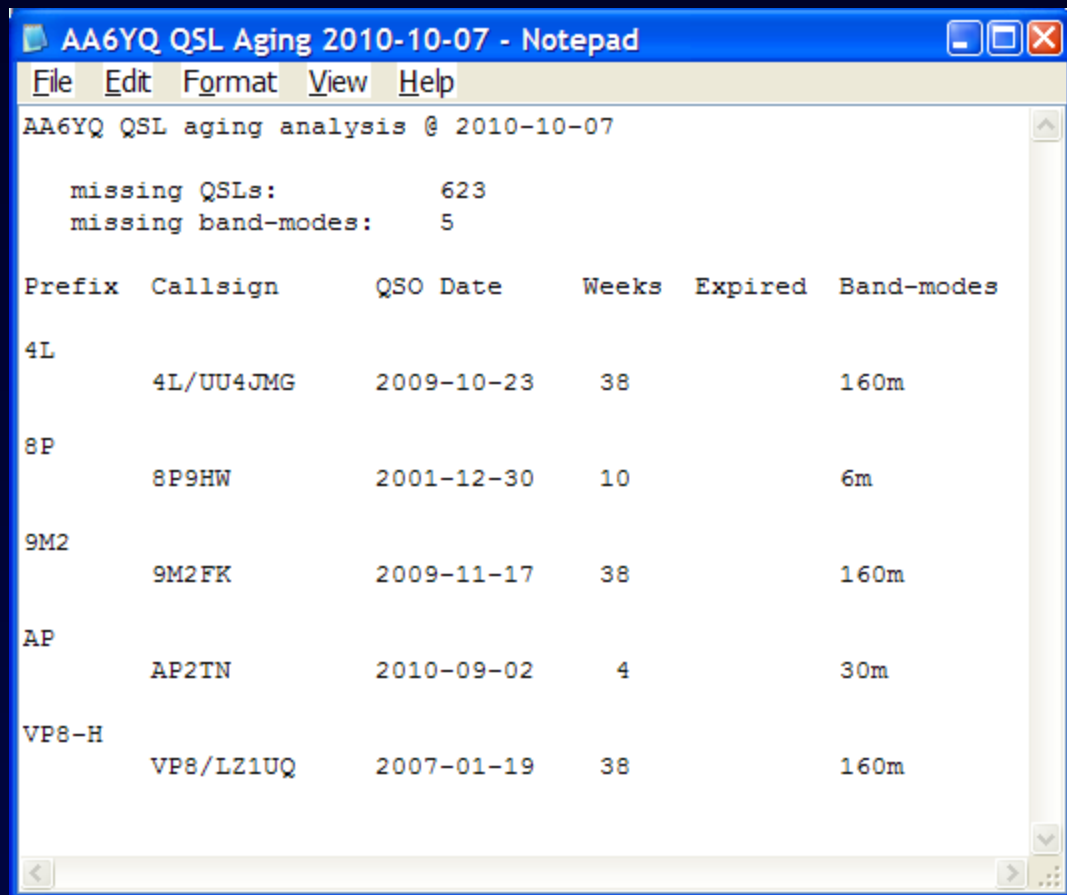
File Edit Format View Help

AA6YQ DXCC Progress by QSL Kind Report 2010-10-07

Filter: none

	Worked	QSL cards Confirmed	eQSL.cc Confirmed	LotW Confirmed	ARRL* Confirmed	QSL cards Verified	LotW Verified	ARRL* Verified
HR Mixed	338	338	191	291	338	338	32	338
HR Phone	338	337	119	192	338	337	6	338
HR CW	336	336	154	261	336	335	31	336
HR RTTY	326	324	111	152	326	321	5	326
Mixed	343	343	192	293	343	343	32	343
Phone	343	342	119	193	343	342	6	343
CW	340	340	155	263	340	339	31	340
RTTY	326	324	111	152	326	321	5	326
PSK31	115	46	68	55	70	3	0	3
160M	218	205	45	116	215	191	16	207
80M	297	293	49	115	297	281	11	292
40M	330	329	83	143	329	323	4	327
30M	304	299	39	116	303	290	8	298
20M	340	340	145	200	340	340	5	340
17M	331	328	60	126	331	323	7	330
15M	336	335	70	127	336	334	3	336
12M	313	310	47	98	312	310	2	312
10M	322	321	43	91	322	321	1	322
6M	89	88	31	38	88	86	1	87
2M	5	4	2	1	4	2	0	2

# DXKeeper: QSL Aging



AA6YQ QSL aging analysis @ 2010-10-07

missing QSLs: 623  
missing band-modes: 5

Prefix	Callsign	QSO Date	Weeks	Expired	Band-modes
4L	4L/UU4JMG	2009-10-23	38		160m
8P	8P9HW	2001-12-30	10		6m
9M2	9M2FK	2009-11-17	38		160m
AP	AP2TN	2010-09-02	4		30m
VP8-H	VP8/LZ1UQ	2007-01-19	38		160m

# DXKeeper: DXCC Submission

AA6YQ DXCC Record Sheet 2006-08-22.txt - Notepad

File Edit Format View Help

AA6YQ DXCC QSL Card Record Sheet 2006-08-22

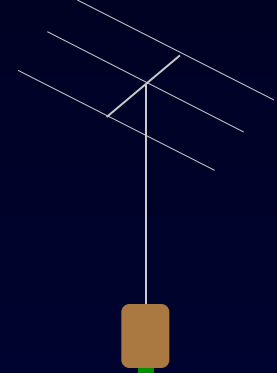
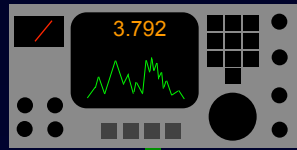
	Call	QSO Date	Band	Mode	Entity
0001	3Y0X	14-02-2006	160M	CW	Peter I Island
0002	4U1UN	28-11-2004	160M	CW	United Nations
0003	9G5TF	23-10-2005	160M	CW	Ghana
0004	IS0/K7QB	27-10-2005	160M	CW	Sardinia
0005	JW5NM	12-01-2006	160M	CW	Svalbard Island
0006	K7C	05-10-2005	160M	CW	Kure Island
0007	RU9WX	20-12-2005	160M	CW	Asiatic Russia
0008	TA3D	10-02-2002	160M	CW	Turkey
0009	TF4M	10-01-2005	160M	CW	Iceland
0010	ZB2FK	22-02-2006	160M	CW	Gibraltar
0011	ZL2BSJ	05-02-2006	160M	CW	New Zealand
0012	SV9/IK8UND	28-10-2005	160M	SSB	Crete
0013	C91CW	07-08-2005	80M	CW	Mozambique
0014	R1MVF	19-11-2005	80M	CW	Malyj Vysotskij Island
0015	9N7JO	04-02-2006	80M	SSB	Nepal
0016	N3KS/KP5	16-12-2005	80M	SSB	Desecheo Island
0017	VK9CG	08-11-2005	40M	CW	Cocos-Keeling Island
0018	YA8G	24-04-2004	40M	CW	Afghanistan
0019	3B8CF	08-09-2000	30M	CW	Mauritius Island
0020	3G1M	08-10-2005	30M	CW	Chile
0021	BQ9P	14-10-2003	30M	CW	Pratas Island
0022	D2DX	05-01-2006	30M	CW	Angola
0023	ER60EM	24-08-2004	30M	CW	Moldova
0024	JW/DL3NRV	26-08-1999	30M	CW	Svalbard Island
0025	K7C	04-10-2005	30M	CW	Kure Island
0026	MW/DJ60I/P	01-08-2005	30M	CW	Wales
0027	N3KS/KP5	17-12-2005	30M	CW	Desecheo Island
0028	P29NI	25-10-2005	30M	CW	Papua New Guinea
0029	UA2FCC	13-09-2004	30M	CW	Kaliningrad
0030	XU7AYY	24-10-2005	30M	CW	Cambodia
0031	Z34M	15-02-2006	30M	CW	Macedonia
0032	K7C	30-09-2005	20M	RTTY	Kure Island
0033	3Y0X	10-02-2006	17M	RTTY	Peter I Island
0034	VU4AN/VU3NZB	19-04-2006	17M	RTTY	Andaman and Nicobar Islands
0035	JD1YBJ	08-07-2005	17M	SSB	Minami Torishima
0036	K7C	26-09-2005	17M	SSB	Kure Island
0037	K7C	03-10-2005	15M	CW	Kure Island
0038	3Y0X	13-02-2006	12M	CW	Peter I Island
0039	EM1H0	21-08-2004	12M	CW	Antarctica
0040	4J6ZZ	03-05-2003	12M	SSB	Azerbaijan Republic
0041	EZ8AQ	09-02-2001	12M	SSB	Turkmenistan
0042	K3LP/KP5	17-12-2005	12M	SSB	Desecheo Island
0043	J3/K5AND	02-07-2005	6M	CW	Grenada
0044	HI8ROX	29-06-2006	6M	SSB	Dominican Republic
0045	PZ5RA	30-12-2001	6M	SSB	Suriname

- Chooses confirmed QSOs to submit
- Generates application
- Supports ARRL's new "Online DXCC"

# DXKeeper: DXCC Credit Management

- Compare granted DXCC Credits to logged QSOs
- Download Granted DXCC Credits from ARRL
  - Link DXCC Credits to logged QSOs
  - Update logged QSOs to reflect DXCC Credit Granted

# the DXLab Suite



**WinWarbler**

**Commander**

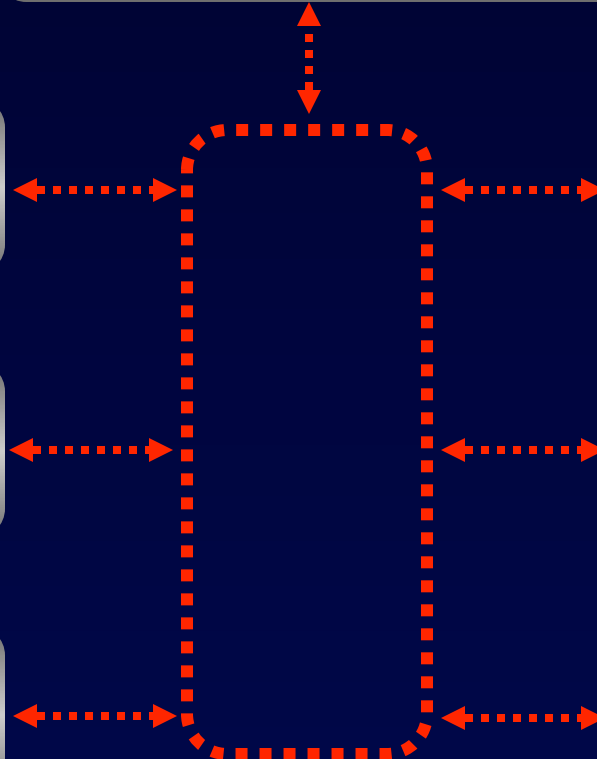
**DXView**

**DXKeeper**

**SpotCollector**

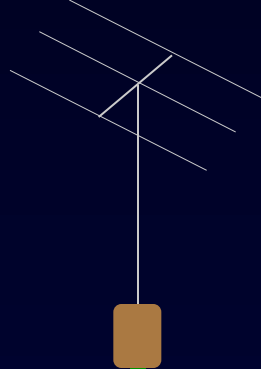
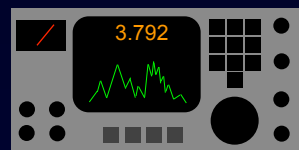
**PropView**

**Pathfinder**





# the DXLab Suite



WinWarbler

Commander

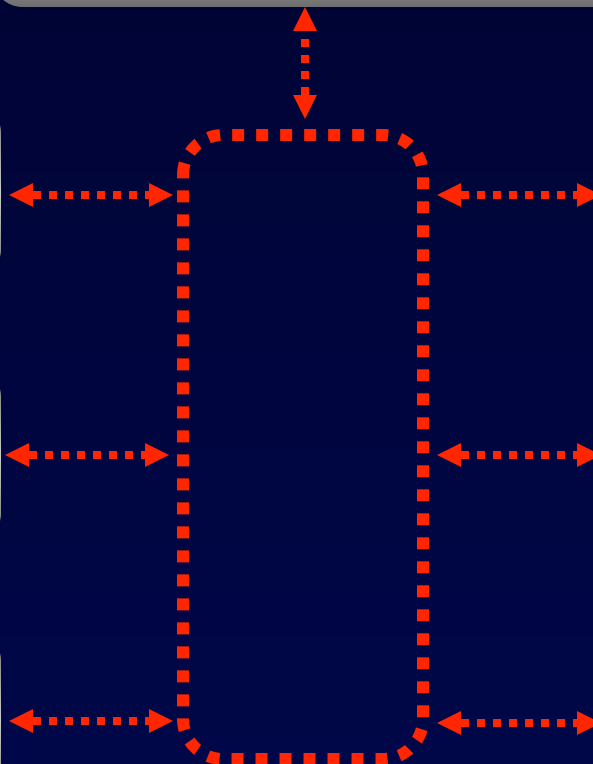
DXView

DXKeeper

SpotCollector

PropView

Pathfinder



# SpotCollector: DX Spot Database

SpotCollector 5.3.9 @ 2010-10-07 17:31 Z [CC,DXK,DXV,WW] (log: AA6YQ.mdb)

WWV 10-07 1506 Z

SFI 74 History

Q: 0 A 6 2 K

Outgoing spot

Call  7,002.0 Freq  Cluster

Notes  X Local

Spot source status

Report Stats Config Help

Call	Prefix	Freq	QSY	Band	Mode	First	Last	CQ	ITU	IOTA	Region	Azimuth	NAE	NAM	NAW	SA	EU	AF	AS	OC	UN	LastOrigin	Source	Notes
ZS6GRL	ZS	21,070.4		15M	PSK	07 1641	07 1728	38	57		South Africa	108					Y					EU	MM0GZZ	BPSK31 nice strong qso
PY2FDX	PY	28,460.0		10M	SSB	07 1722	07 1728	11	15		Sao Paulo	158					Y					EU	F5DQK	55 QSB
FR1LB	FR-R	14,140.0		20M	CW	07 1636	07 1729	39	53	AF-016	Reunion Island	80					Y	Y				EU	PD2YA	TNX FOR 58 QRP
GM0BKC/M	GM	14,219.0		20M	SSB	07 1722	07 1729	14	27		Scotland	47					Y					EU	EA1HVV	5/9 Thank Paul
EA1HLW	EA	7,140.0		40M	CW	07 1729	07 1729	14	37		Spain	68					Y					EU	EA7IC	5/9-73 ANGELES FROM
OZ1GX	OZ	28,022.0		10M	CW	07 1729	07 1729	14	18		Denmark	43					Y					EU	OZ3BJ	cq nac J04
9M6DXX	9M6	14,265.0	14,270.0	20M	SSB	07 1729	07 1729	28	54		East Malaysia	351					Y					EU	EA7GWA	5/9 5 up
YU1KN	YU	7,146.0		40M	CW	07 1729	07 1729	15	28		Serbia	52					Y					EU	DL2BK	Sase KN0
VU0WFF	VU	7,006.3		40M	CW	07 1715	07 1729	22	41		India	26					Y		Y			EU	UR5IAW	VUFF-101
DJ5KX/P	DL	7,018.0		40M	CW	07 1730	07 1730	14	28		Germany	50					Y					EU	DL0AD	DLFF-112
9M6DXX/P	9M6	14,265.0	14,270.0	20M	SSB	07 1701	07 1731	28	54		East Malaysia	351			Y		Y					NA-W	KB6NAN	simplex now IOTA OC-1
OJ0B	OJ0	7,003.0	7,004.9	40M	CW	07 1620	07 1731	15	18	EU-053	Market Reef	37					Y		Y			EU	ON4LO	up JP90
UN7QX	UN	10,108.0		30M	CW	07 1731	07 1731	17	31		Alma-Atinskaya	18					Y					EU	S52DD	MN83
JT5DX	JT	3,504.0	3,505.3	80M	CW	07 1706	07 1731	23			Mongolia	1					Y		Y			EU	PA4VHF	up1.3 sri freq
OH8A	OH	28,032.0		10M	CW	07 1731	07 1731	15	18		Finland	36					Y					EU	SK2AT	NAC CW
EB2GPF	EA	7,115.0		40M	CW	07 1731	07 1731	14	37		Spain	68					Y					EU	EA2DT	5/9 TNX Miguel

Sort

Filter: Band and Mode and Origin

AutoHide Audio LotW eQSL ALT

SQL 1 SQL 2 SQL 3 SQL 4 SQL 5 SQL 6 SQL 7 SQL 8

Color codes

verified unneeded unconfmd unvrkd B or M unvrkd counter special tag LotW LotW & eQSL AG eQSL AG

# SpotCollector: "Needed"

SpotCollector 5.3.9 @ 2010-10-07 17:33 Z [CC,DXK,DXV,WW] (log: AA6YQ.mdb)

WWV 10-07 1506 Z

SFI 74 History

Q: 1 A 6 2 K

Outgoing spot

Call  7,002.0 Freq

Notes  X Local

Spot source status

☐ ☐ ☐ ☐ ☐

Call	Sign	Pfx	Freq	QSL	Band	Mode	First	Last	CQ	ITU	IOTA	Region	Azimuth	NAE	NAM	NAW	SA	EU	AF	AS	OC	UN	LastOrigin	Source	Notes
KH2	N2NL	KH2	1,817.5		160M	CW	07 1123	07 1128	27	64	OC-026	Guam and Mariana I	321	Y	Y					Y			NA-E	K3TW/4	579 on 80m dipole in FL
XU7	ACY	XU	1,815.0		160M	CW	07 1054	07 1149	26	49		Cambodia	4	Y						Y			AS	XU7TZG	cq
VK8	VF/B	VK	50,310.0		6M	FM	07 1200	07 1200	29	55		Northern Territory	308							Y			AS	JE6AZU	539
BT4	EXP0	BY	1,815.0		160M	CW	07 1227	07 1227	24	44		Shang Hai	349							Y			AS	UA0BA	
VK8	MS	VK	50,110.0		6M	SSB	07 1228	07 1228	29	55		Northern Territory	308							Y			AS	JE6AZU	59 IN PM51 P
BU2	AQ	BV	1,822.6		160M	CW	07 1317	07 1317	24	44		Taiwan	346			Y							NA-W	N6VR/7	cq, now 559
JT5	DX	JT	3,504.1		80M	CW	07 1330	07 1353	23			Mongolia	1			Y				Y			NA-W	N6ZN	459 n. ca
9M6	XRD/P	9M6	10,107.3		30M	CW	07 1449	07 1449	28	54		East Malaysia	351					Y					EU	DL4NY	OC133 Tks John & Stev
9M6	DX/P	9M6	10,104.0	10,105.0	30M	CW	07 1450	07 1450	28	54		East Malaysia	351					Y					EU	RA7A	UP
V85	TL	V8	3,504.0		80M	CW	07 1516	07 1516	28	54		Brunei	351					Y					EU	SM5CRV	cq
V85	TL	V8	10,107.4		30M	CW	07 1524	07 1524	28	54		Brunei	351			Y							NA-W	KD7H	now hr clg CQ
V85	TL	V8	10,103.1		30M	CW	07 1528	07 1602	28	54		Brunei	351			Y		Y					EU	SP9CDA	Tnx
9M6	XRD/P	9M6	10,104.0	10,107.0	30M	CW	07 1415	07 1720	28	54		East Malaysia	351		Y	Y		Y		Y			EU	LZ2NP	up
JT5	DX	JT	3,504.0	3,505.3	80M	CW	07 1706	07 1731	23			Mongolia	1					Y		Y			EU	PA4VHF	up1.3 sri freq

Sort

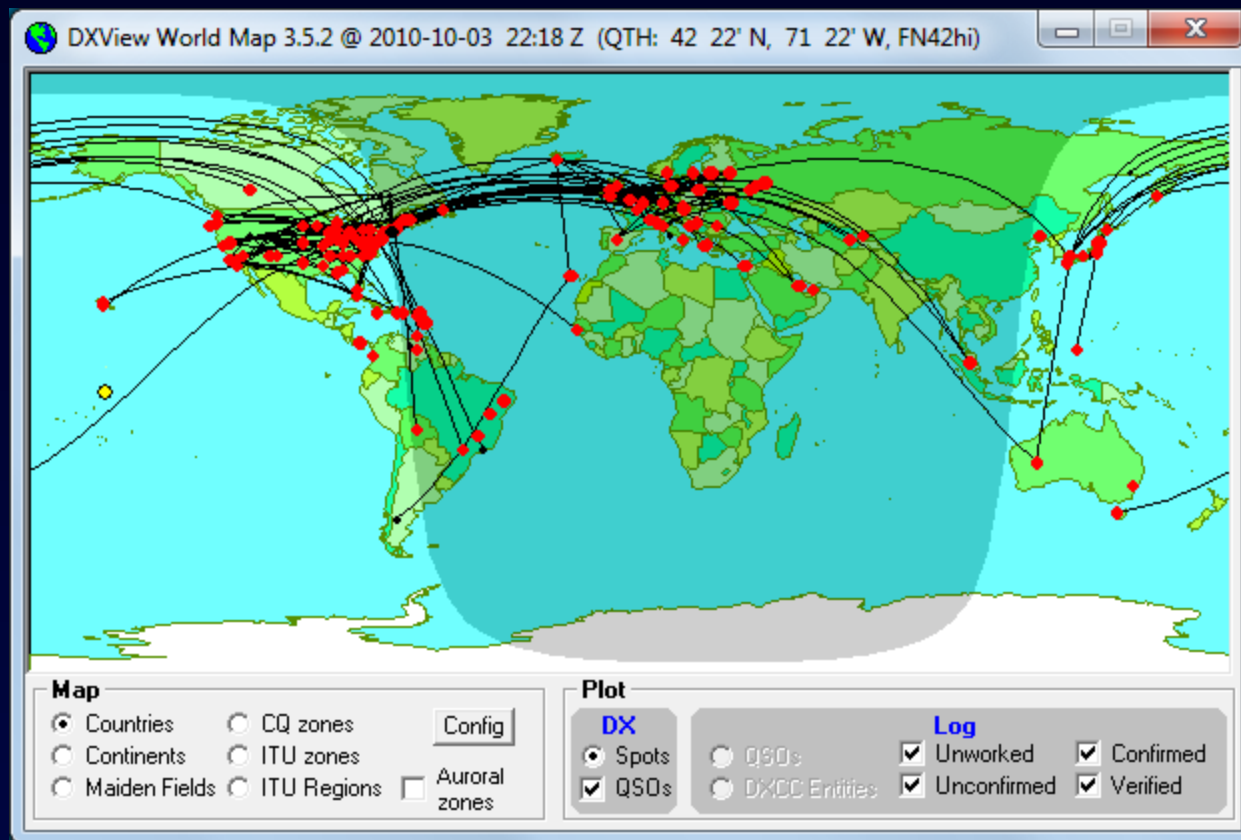
Filter: Band and Mode and Origin and [entity- band or mode unworked]

☐ First ☐ Call ☒ Last ☐ Freq ☐ Rcv ☐ Az

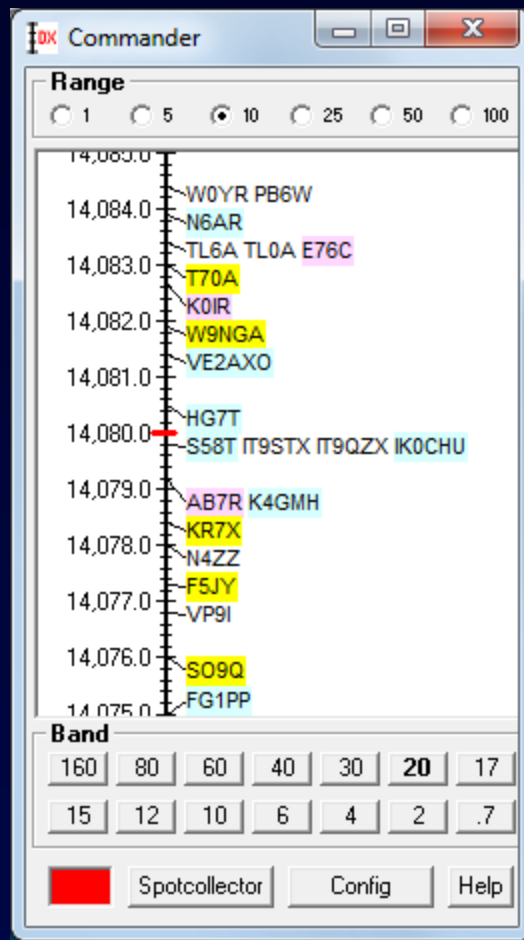
Color codes

☐ verified ☐ unneeded ☐ unconfmd ☐ unwrkd B or M ☐ unwrkd counter ☐ special tag ☐ LotW ☐ eQSL AG ☐ LotW & eQSL AG

# SpotCollector: Plotted DX



# SpotCollector: DX on Commander's Bandspread

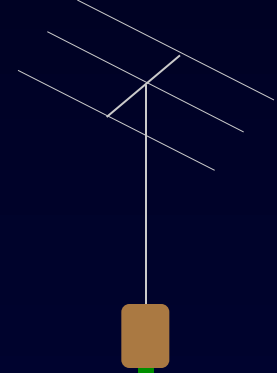
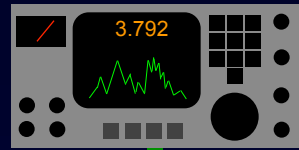


# SpotCollector: Built-in Web Server



Droid Does DX!

# the DXLab Suite



WinWarbler

Commander

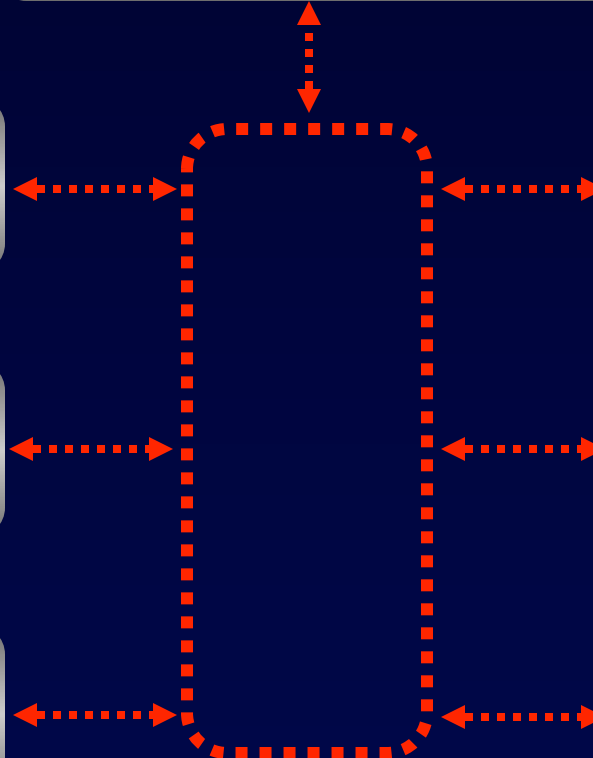
DXView

DXKeeper

SpotCollector

PropView

Pathfinder

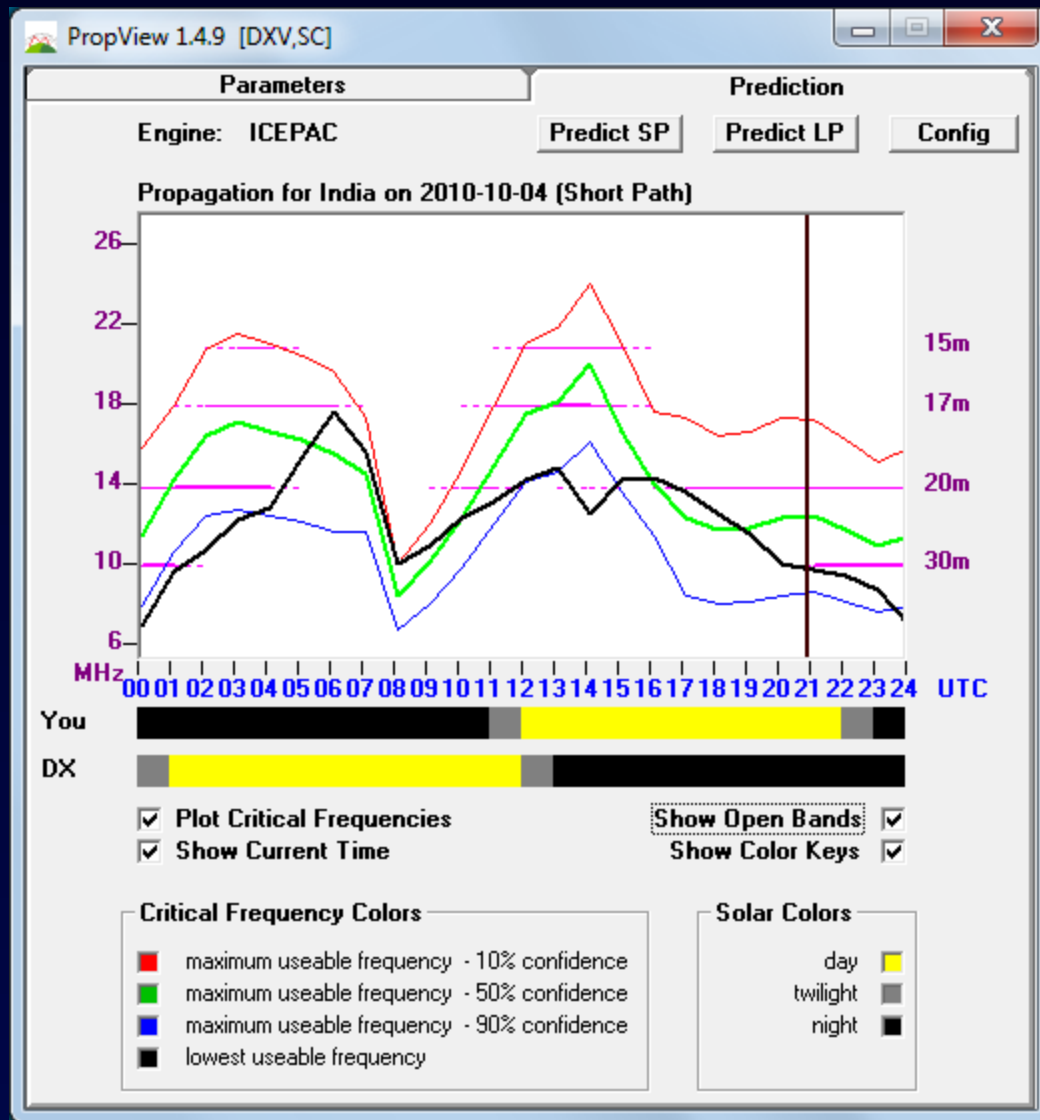


# PropView: Propagation Prediction

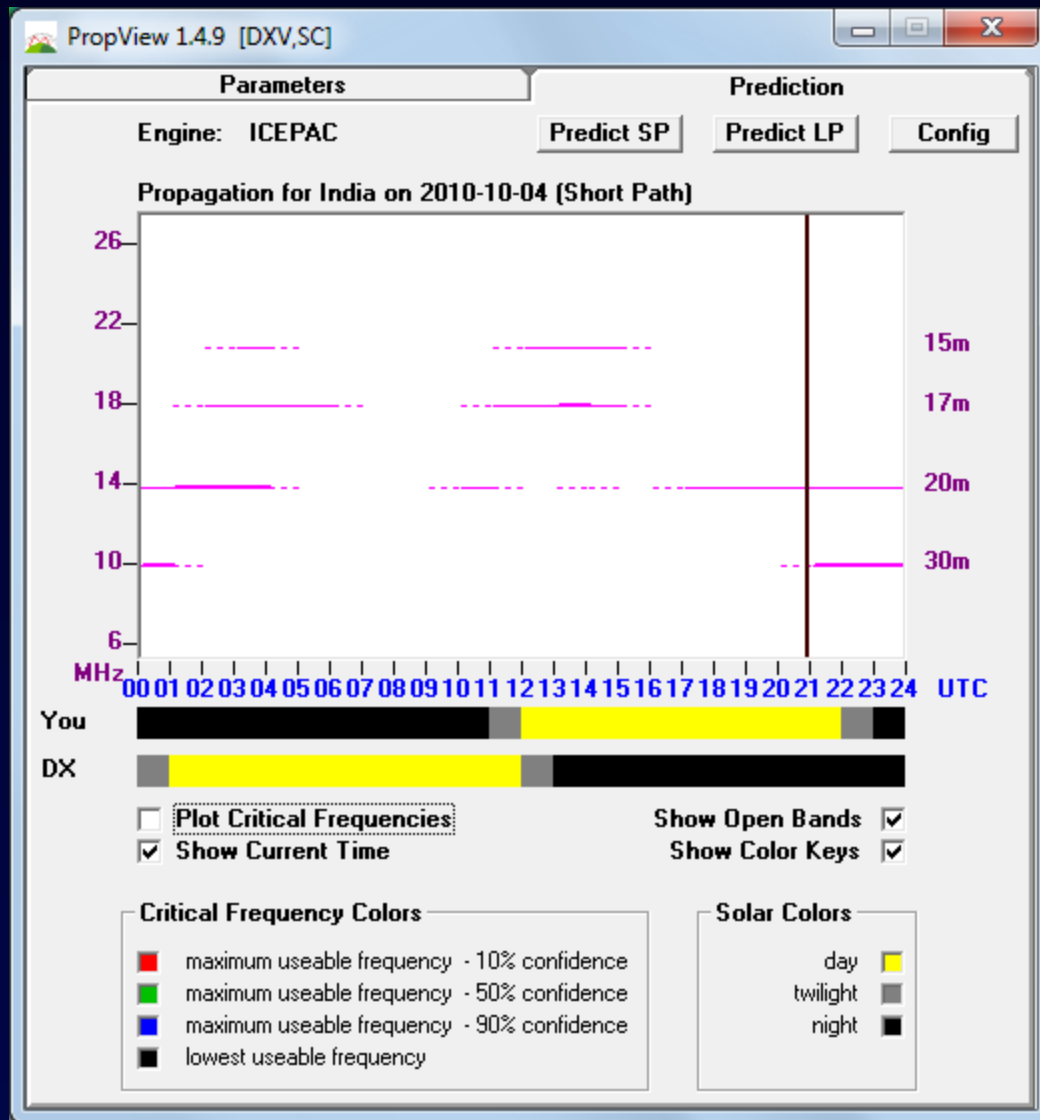
- Includes three prediction engines
  - ICEPAC
  - IONCAP
  - VOACAP
- Gets solar flux and K-index from SpotCollector
- Gets locations from DXView
- Produces graphical prediction



# PropView: Propagation Prediction



# PropView: Propagation Prediction



# PropView: Propagation Monitoring

PropView Beacon Monitor @ 20:57:45 04-Oct-2010 [DXV,SC]

**Monitor**

☒ Enable ☐ QSY ☐ Map Config Help

**Band**

☐ 20m  
☐ 17m  
☐ 15m  
☐ 12m  
☐ 10m

**Beacons**

☐ 4S7B ☐ KH6W0 ☒ VK6RBP  
☐ 4U1UN ☒ LU4AA ☐ VR2B  
☐ 4X6TU ☐ 0A4B ☐ W6WXX  
☒ 5Z4B ☐ OH2B ☐ YV5B  
☐ CS3B ☐ RR90 ☐ ZL6B  
☐ JA2IGY ☐ VE8AT ☒ ZS6DN

**Octant**

☐ 315 ☐ 0  
☐ 270 ☐ 45  
☐ 225 ☐ 90  
☐ 180 ☐ 135

☐ Rotate

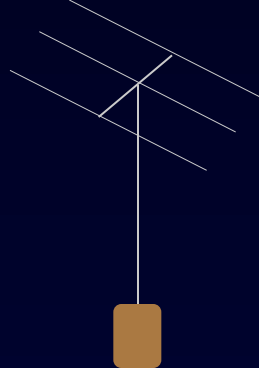
**Transceiver**

Offset (Hz)

**Beacon Schedule (1 cycle)**

Time	Call	City	DXCC Country	Freq (khz)	SP	Dist (mi)
0						
10	VK6RBP	Rolystone	Australia	14100	327	11619
20	VK6RBP	Rolystone	Australia	18110	327	11619
30	VK6RBP	Rolystone	Australia	21150	327	11619
40	VK6RBP	Rolystone	Australia	24930	327	11619
50	VK6RBP	Rolystone	Australia	28200	327	11619
60	ZS6DN	Pretoria	South Africa	14100	104	7871
70	ZS6DN	Pretoria	South Africa	18110	104	7871
80	ZS6DN	Pretoria	South Africa	21150	104	7871
90	ZS6DN	Pretoria	South Africa	24930	104	7871
100	ZS6DN	Pretoria	South Africa	28200	104	7871
110	LU4AA	Buenos Aires	Argentina	14100	169	5382
120	LU4AA	Buenos Aires	Argentina	18110	169	5382
130	LU4AA	Buenos Aires	Argentina	21150	169	5382
140	LU4AA	Buenos Aires	Argentina	24930	169	5382
150	LU4AA	Buenos Aires	Argentina	28200	169	5382
160						
170						

# the DXLab Suite



WinWarbler

Commander

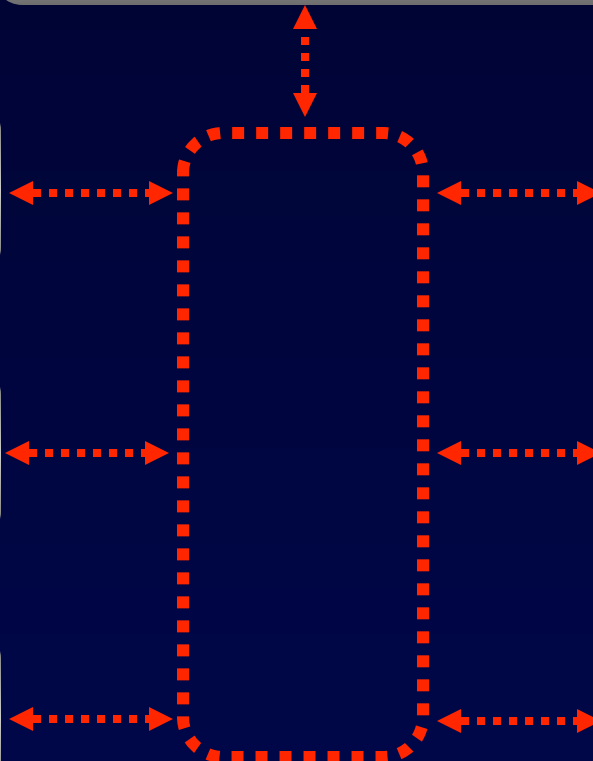
DXView

DXKeeper

SpotCollector

PropView

Pathfinder



# Pathfinder: QSO Information from the Web

- Sources
  - Country-specific callbooks (~80)
  - QSL sites (~40)
  - DX Summit spot archives
- 12 user-assignable search keys
- Captures callsigns selected via
  - DXView
  - DXKeeper
  - WinWarbler
  - SpotCollector

# Pathfinder

Pathfinder 4.7.6: results from VK Callbook for VK3ZL

2010 X HC VK3ZL Buck QRZ IK3QAR DXC OZ7C R 1 X 1 Config

← RAC VK CB eHAM DB0SDX 425DXN Google OZ7C IM Daily DX Help

**acma.gov.au**

**Register of Radiocommunications Licences**

**Client Details**

Client Number	128363
Contact Name	Robert William Briggs
Postal Address	11 Turnley St MERINO VIC 3310

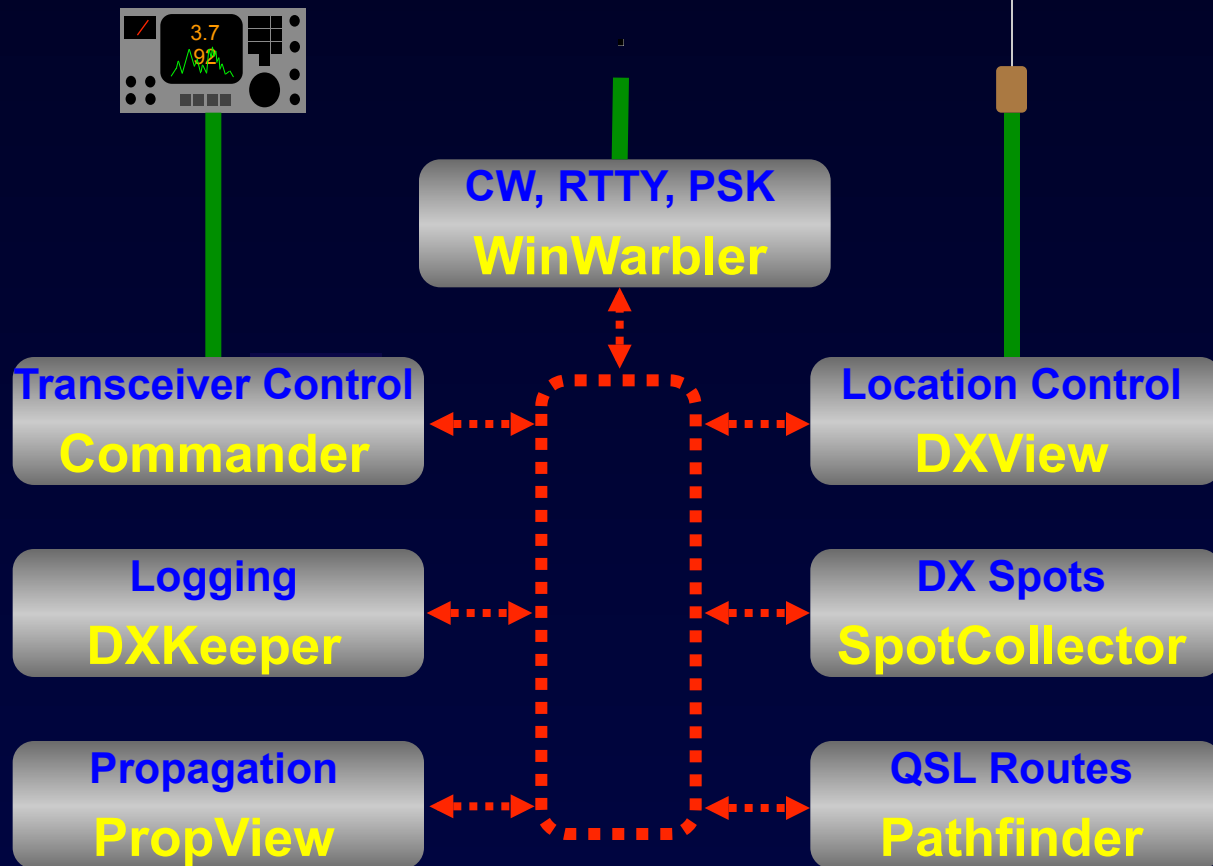
[\[ New Client Search \]](#)

**Licences Held**

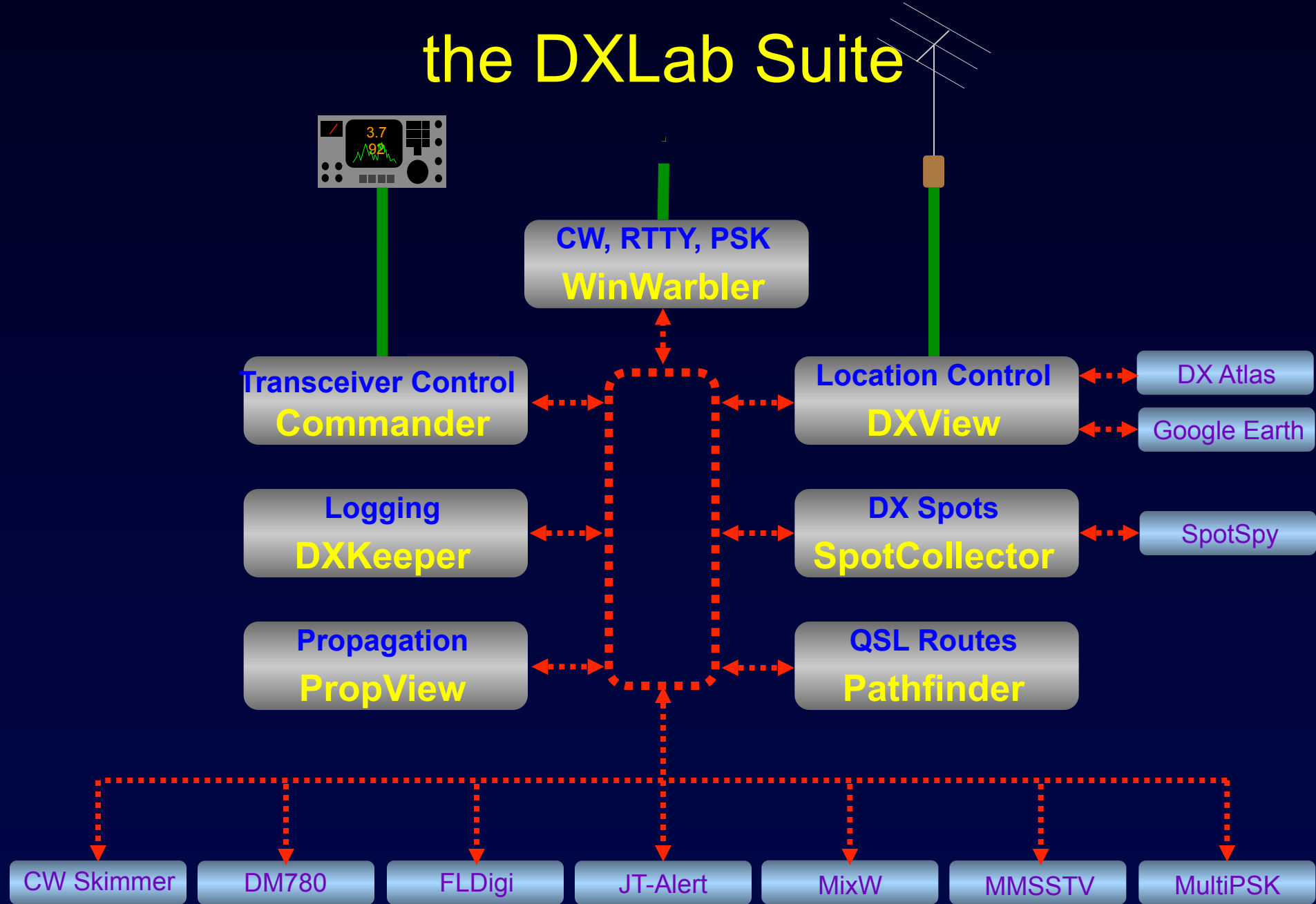
Results 1 - 1 of 1 licences.

Licence No	Licence Type	Licence Category	Callsign	Ship name	Status
<a href="#">182834</a>	Amateur	Advanced	VK3ZL		Issued

# the DXLab Suite



# the DXLab Suite





# the DXLab Ecosystem

## Interoperation

- MultiPSK
- MMSSTV
- MMVARI
- CWSkimmer
- DM780
- FLDigi
- IZ8BLY Hellschreiber
- Ham Radio Deluxe
- N1MM and N1MM Rotor
- WinContest
- DX Atlas(\$)
- LP StepLink (\$)
- MixW(\$)

## Add-ins

- Alpha 87a control
- BMUtil
- CW Skimmer
- DXLPlus
- Frequency/S-meter display
- HamSked DXing calendar
- SpotSpy
- Web-site generation

# DXLab: Prerequisites

- ~~Minimum (1 application)~~
  - ~~133 MHz Pentium~~
  - ~~64 MB DRAM~~
  - ~~800x600 SVGA monitor~~
  - ~~Windows 98SE~~
- ~~OK (all applications)~~
  - ~~600 MHz Pentium 2~~
  - ~~512 MB DRAM~~
  - ~~1280x1024 XVGA monitor~~
  - ~~Windows 2000 or Windows XP~~
- Optimum (all applications)
  - 2 GHz dual-core
  - 2 GB DRAM
  - 1600x1200 XVGA monitor or multiple smaller monitors
  - ~~Windows XP, Windows Vista, Windows 7/8/10 (32-bit or 64-bit)~~

DX LAB

Downloading and In...

www.dxlabsuite.com/download.htm

dxl rss i jobi Fin MW K c tnc wx wxa wxu NE Maine flights track Agility ist b trffc Android Wiki Other bookmarks

Downloading and Installing DXLab Applications

DXLab applications run on **Windows NT, 2000, XP, Vista, and 7** in both 32-bit and 64-bit flavors. Some DXLab applications can be individually run on **Windows 95, 98, and 98SE**.

Using virtual machines, DXLab applications can also be run on **Linux** and **Macintosh**:

- [DXLab on Linux](#)
- [DXLab on Macintosh](#)

[Getting Started with DXLab](#)

[Documentation](#)

[Availability Announcements](#)

[Bridges, Gateways, and Extenders](#)

[Distribution Sites](#)

[Articles and Presentations](#)

[DXLab Reflector](#)

**Before installing your first DXLab application, install the Launcher**

The [DXLab Launcher](#) automates the installation of new DXLab applications and the upgrading of already-installed DXLab applications. If you're an aspiring DXLab user who has not installed any DXLab applications on your PC, or if you're a long-time DXLab user who has never installed the Launcher, then installing the Launcher will make it easy to install new DXLab applications and keep them up to date as upgrades are released. Clicking the **Install Launcher** button below will download and install the DXLab Launcher on your PC. Step-by-step guides to installing the Launcher are available in [HTML for browsing](#) and in [PDF for printing](#).

Do not click the **Install Launcher** button if the Launcher is already installed on your PC. If you're not sure, [here's how to check](#).

If the Launcher is already installed on your PC, you should [determine if a newer version is available](#) and, if so, [upgrade](#) it.

By default, each DXLab application will be installed in a subfolder of


```
c:\dxlab
```

but you can specify an alternate location if desired. The Launcher will ensure that each DXLab application is installed in a separate folder, e.g.

- c:\dxlab\dxkeeper
- c:\dxlab\winwarbler
- c:\dxlab\pathfinder

If you decide to install DXLab within c:\program files\ or c:\program files (x86) then

- If your PC is running Windows 7, login to an account with Administrator privileges to install or run DXLab applications
- If your PC is running Vista, [login to the account named Administrator](#) to install or run DXLab applications



Install Launcher

# DXLab: Better DXing Through Software

DXKeeper 8.9.4 [CC,DXV,SC,WW] - AA6YQ.mdb : 18487 QSOs

Log QSOs QSL Check Progress my QTHs Import QSOs Export QSOs

QSO: Jordan  
call JY4NE name QTH  
mode RTTY via tx freq 14.086765 begin 9/20/2010 18:37  
sent 599 rcvd 599 tx band 20M rx freq 14.086764 end 9/20/2010 18:37  
power 1500 code 342 DXCC JY entity Jordan

New Save Undo CBA Delete Report Plot 18487 Adv RAT Capture Config Help

Call	DXCC	Starting UTC	Band	Mode	Sent	Rcvd	Name
JT50X	JT	9/19/2010 23:23	17M	CW	599	599	hadraab
RXQAT	UA	9/20/2010 01:01	20M	RTTY	599	599	Vit
KP4JFR	KP4	9/20/2010 01:11	20M	RTTY	599	599	Jose
JY4NE	JY	9/20/2010 18:37	20M	RTTY	599	599	

Sort  
UTC Call Adv Filter: None  
EY7AD X Call DXCC Date Since Sel LotW Broke

SpotCollector 5.3.9 @ 2010-10-04 19:59 Z [CC,DXK,DXV,WW] (log: AA6YQ.mdb)

WVW 10-04 1806 Z  
SRI 80 History  
Q: 0 A 1 2 K

Outgoing spot  
Call 14,086.2 Freq Cluster  
Notes X Local

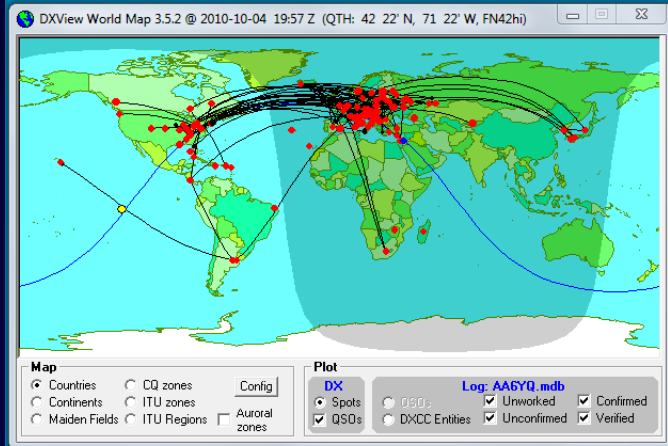
Spot source status  
Report Stats Config Help

CallSign	Pfx	Freq	Band	Mode	LastTime	Notes	NAE	NAM	NAW	SA	EU	AF	AS	OC	UN	LastOrig	Source
PS7DX	FY	14,018.3	20M	CW	10/4/2010 19:59	CQ 8 dB 21 WPM	Y	Y	Y		Y	Y				NA-E	N4ZR-#
SQ9CNS	SP	3,541.0	80M	CW	10/4/2010 19:59	CQ 16 dB 19 WPM					Y					EU	DL5Q-#
LA3TQ	LA	14,017.8	20M	CW	10/4/2010 19:59	CQ 18 dB 23 WPM					Y					EU	S5ZK-#
IK0RCD	I	14,025.6	20M	CW	10/4/2010 19:59	CQ 13 dB 18 WPM	Y	Y	Y							NA-M	K8ND-#
9A/SP9EVP	9A	7,017.0	40M	CW	10/4/2010 19:59	CQ 21 dB 26 WPM					Y					EU	DL5Q-#
UA9MA	UA0	1,822.5	160M	CW	10/4/2010 19:59	CQ 10 dB 25 WPM					Y					EU	EI6Z-#

Sort  
First Call  
Last Freq  
Rcv Az

Filter: Band and Mode  
X Need Call DXCC Freq Tag Band Mode Cont Origin  
AutoHide Audio LotW eQSL ALT SQL 1 SQL 2 SQL 3 SQL 4 SQL 5 SQL 6 SQL 7 SQL 8

Color codes  
verified unworkd E  
unneeded unworkd o  
unconfirmd special t



WinWarbler 6.8.5 for AA6YQ @ 2010-10-04 19:59 Z [CC,DXK,DXV,SC]

QSO Info (Receive Pane 0)  
Call 2 EY7AD 1st S Name Rakhim  
QSL Via DIRECT - I CQ 17 ITU 30 QTH 735700  
Buro Grid MN30 Pri sub Sec sub  
LotW IOTA Az Path S Comment

local: 2010-10-05 00:59 Xcvr Freq  
DXCC EY Begin Log X Rx 14,086.19  
Cont AS End Spot Tx 14,086.19  
Config Help

QU0TH00 DX CQ DX DE SV1PAS SV1PAS PSE K  
DS1PAUSSVPAS DEHPFF,PD1BPSE K...  
))JTCQ DX CQ DX DE SV1PAS SV1PAS PSE EUU00ESQ DX CQ DX DE SV1PAS SV1PAS PSE K  
S MSQVAS UV1PAS DE PD1ANB,PD1ANB  
PSE K...90R2 0R2 0R2 DE SV1PAS SV1PAS PSE K

Commander 8.5.8 [Icom IC-7200] @ 19:59:42 Z 14,086.19 LSB

VFO A: 20M 9  
14,086.19  
0 999  
A B A=B A x B XFC  
Split  
Ham bands only

Mode: LSB  
LSB (normal) FM (wide)  
USB (normal) AM (wide)  
CW (narrow) RTTY (wide)  
CW-R (narrow) RTTY-R (wide)

Filters  
Group normal  
Width 0  
PBT 1 50  
PBT 2 50

PTT: Rcvg  
TX RX  
AL-1200  
Plate 7.75 Load 4 Band 20

Bandsread Msgs Scan Memory Banks Config Help

Commander

Range  
1 5 10 25 50 100  
14,088.5  
14,088.0 EI7FBF  
14,087.5 EA4AHE  
14,087.0  
14,086.5 UR7ITU  
14,086.0 PF7DKW  
14,085.5 LX8RTTY  
14,085.0 SP9GKJ  
14,084.5  
14,084.0

Band  
160 80 60 40 30 20 17  
15 12 10 6 4 2 .7

Spotcollector Config Help

Macros: rty sample  
F5 CQ F6 Call F7 Over F8 SK log ALT F9 ur rpt F10 tu log grz? F11 de mycall F12 mycall (3)  
80m 40m 30m 20m 17m 15m 12m 10m  
sh F5 sh F6 sh F7 sh F8 sh F9 sh F10 sh F11 sh F12

Operating Mode  
CW PSK31  
Phone PSK63  
RTTY PSK125

RTTY receive (soundcard)  
Freq 14,084.065  
AFC Notch  
BPF DPF  
Reverse Def Opt  
Signal level & squelch 61

RTTY transmit (soundcard)  
Freq 14,084.065 net  
Reverse F2 Start F4 Stop F5 Abort

Tuning Display  
Vert height 2.0  
Horiz zoom 1  
Horiz pan