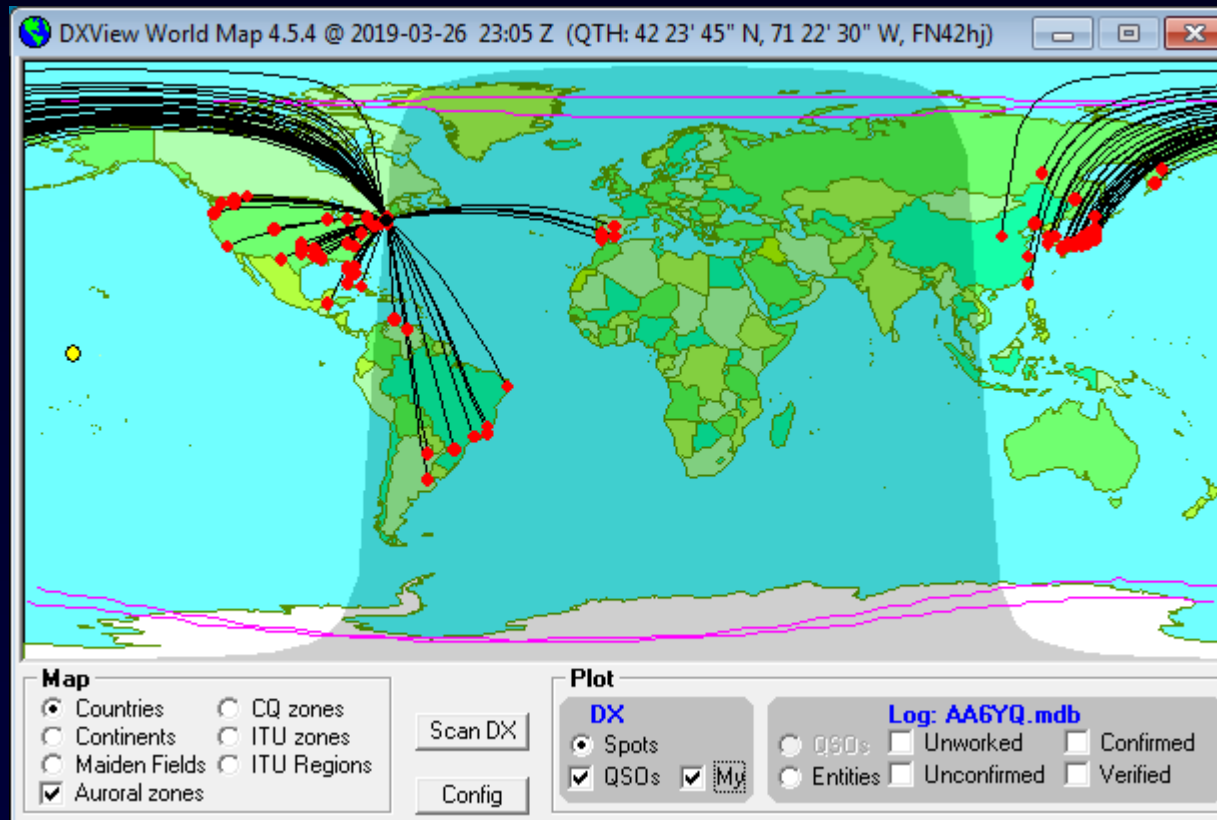


DXLab User Forum I

v1 2019-04



Better DXing Through Software

DXing

The art and science
of making two-way contacts
with distant amateur radio stations
using phone, CW, or digital modes

DXLab: Better DXing Through Software

1. Automate “paperwork” to make more time for DXing
2. Make time spent DXing more productive
 - Find the DX you need
 - Work the DX you need

Drivers

1. User-driven iterative development

- Online discussion group with 5200+ participants
- Defect repairs get highest priority; goal is < 24 hours
- Public enhancement lists
- Frequent releases (several per month)

2. Easy to Use and Powerful

- Primarily for DXers
- Secondarily for casual operators

3. Runs on Windows NT, 2000, XP, Vista, 7, 8, and 10

- and Mac in a virtual machine
- and Linux in a virtual machine

the DXLab Suite

Eight free applications that run individually

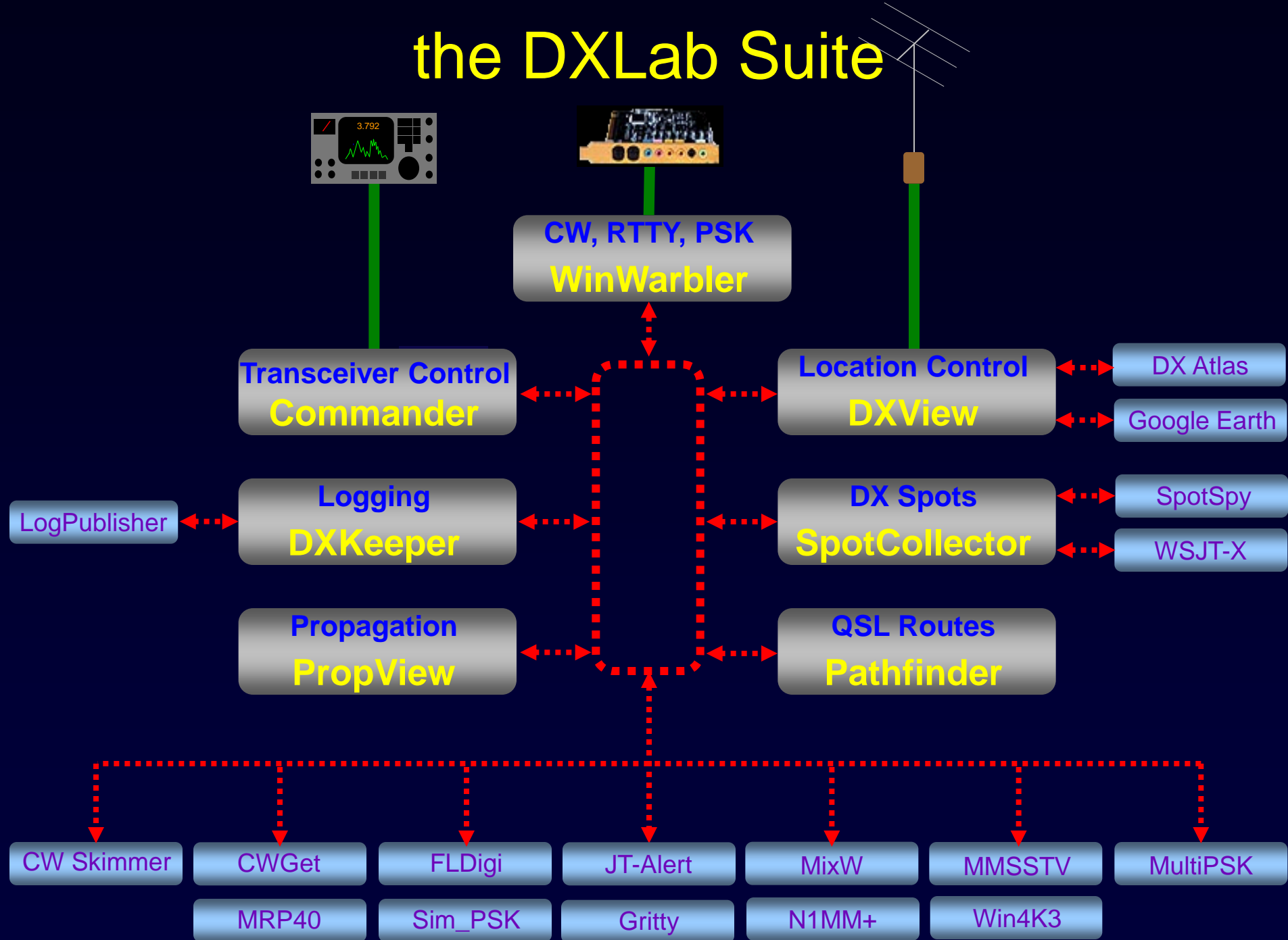
but

when run simultaneously sense each other's presence

and

interoperate automatically

the DXLab Suite



A Suite of 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	hadraabal
RKQAT	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)

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

Outgoing spot
 Call 14,086.2 Freq Cluster
 Notes X Local

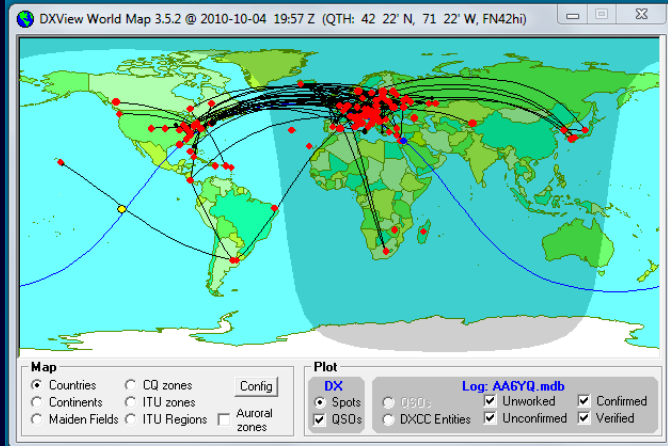
Spot source status
 Report Stats Config Help

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										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 C
☒ unconfmd ☒ 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
 RX 14,086.19 TX 14,086.19

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

Bandspread 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 ☒ DPF
☐ BPF ☒ Profile
☐ Reverse ☐ Def ☐ Opt

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

Tuning Display
 Vert height 2.0
 Horiz zoom 1
 Horiz pan

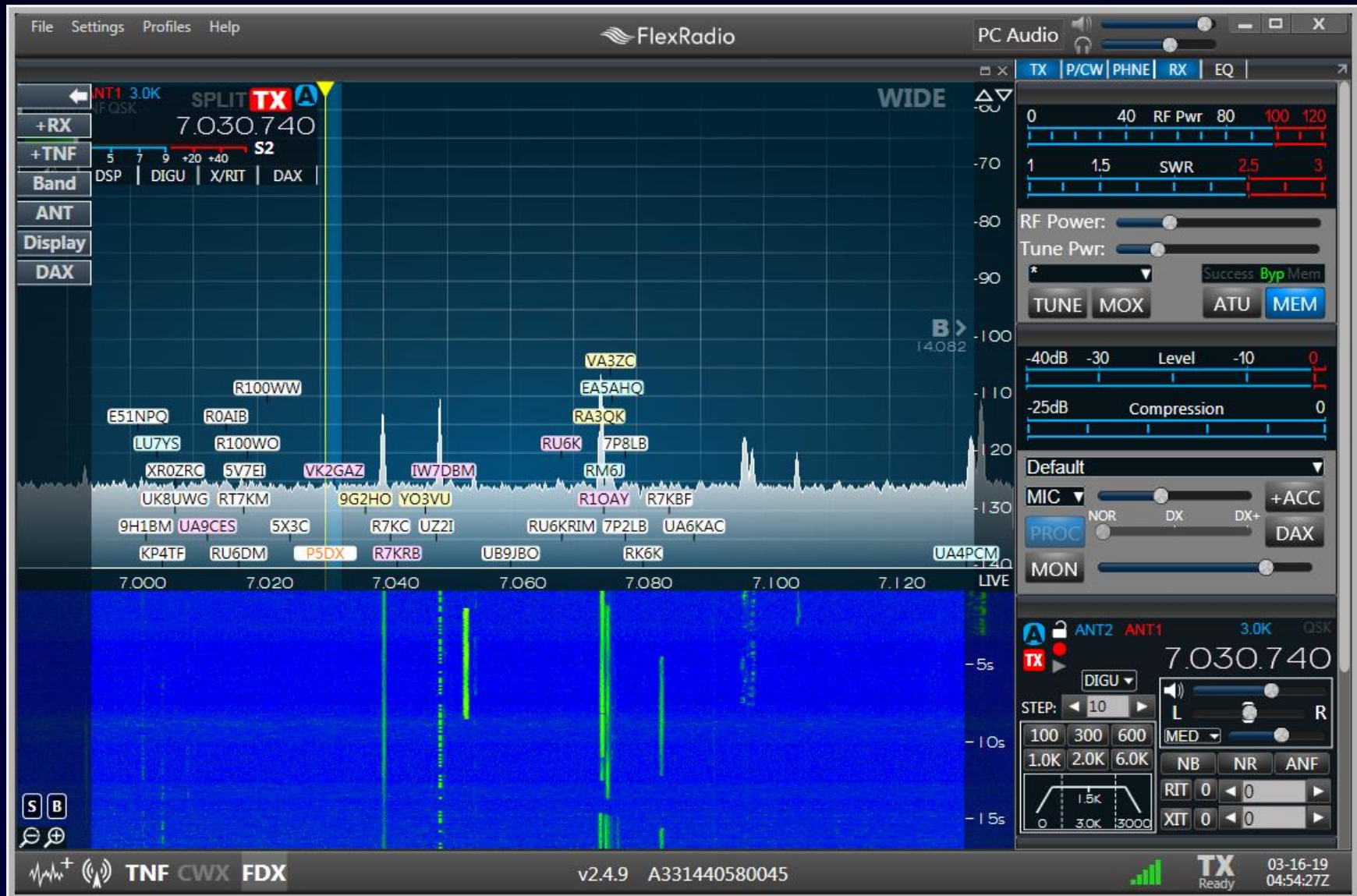
Major Enhancements Since April 2017

- Spectrum-Waterfall window for Icom 7300, 7610, 785X
- Active callsigns displayed on Flex Signature Panadapters
- Unlimited Override list populated from Club Log and Big CTY
- Direct interoperation with WSJT-X

Spectrum-Waterfall window for Icom 7300, 7610, 785X



Active callsigns displayed on Flex Signature Panadapters



Unlimited Override list populated from Club Log and Big CTY

DXView Configuration

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

CallSign	Entity	IOTA	CQ	ITU	Continent	Grid1	Location	Source	StartDate	EndDate	Grid2	Grid3	Grid4	TimeZone	Notes
0T6C	Costa Rica		7		NA			ClubLog							
0T8C	Costa Rica		7		NA			ClubLog							
2M0BDR	Scotland		14	27	EU		Shetland Island <REG:GM/S>	BigCTY							
2M0BDT	Scotland		14	27	EU		Shetland Island <REG:GM/S>	BigCTY							
2M0CPN	Scotland		14	27	EU		Shetland Island <REG:GM/S>	BigCTY							
2M0GFC	Scotland		14	27	EU		Shetland Island <REG:GM/S>	BigCTY							
2M0SEG	Scotland		14	27	EU		Shetland Island <REG:GM/S>	BigCTY							
2M0SPX	Scotland		14	27	EU		Shetland Island <REG:GM/S>	BigCTY							
2M0VIK	Scotland		14	27	EU		Shetland Island <REG:GM/S>	BigCTY							
2MT	England		14	27	EU			BigCTY							
2O0BAD	Northern Ireland		14	27	EU			BigCTY							
2O0BSE	Scotland		14	27	EU			BigCTY							
2O0BZB	Scotland		14	27	EU			BigCTY							
2O0CDY	Wales		14	27	EU			BigCTY							
2O0CGM	Wales		14	27	EU			BigCTY							
2O0CJI	Wales		14	27	EU			BigCTY							
2O0CVE	Wales		14	27	EU			BigCTY							
2O0DAA	Wales		14	27	EU			BigCTY							
2O0DUL	Wales		14	27	EU			BigCTY							
2O0DVP	Wales		14	27	EU			BigCTY							
2O0FER	Guernsey		14	27	EU			BigCTY							
2O0HBO	Northern Ireland		14	27	EU			BigCTY							
2O0HJS	Scotland		14	27	EU			BigCTY							
2O0HRV	Northern Ireland		14	27	EU			BigCTY							
2O0IDT	Wales		14	27	EU			BigCTY							

Overrides: 7950/7950

Override Filter: None

☐ X ☐ Call ☐ DXCC ☒ User ☒ Unexpired ☒ ClubLog ☒ Expired ☒ BigCTY

New Save Delete

2019-03-02 2019-03-02

Club Log Big CTY Update

Direct interoperation with WSJT-X

WSJT-X v2.0.1 by K1JT

File Configurations View Mode Decode Save Tools Help

Band Activity

UTC	dB	DT	Freq	Message
023045	8	0.5	2402	~ U18NI <PJ2/DK5ON> -15
023045	2	0.5	2751	~ RJ6A <UT1FG/MM> R-07
----- 40m				
023100	-5	0.6	412	~ UT2GA LU9EOE GF05
023100	0	0.2	695	~ HK4NDF N200 FM29
023100	-3	0.1	788	~ HK3RAY KC1KLL FN42
023100	7	0.5	1089	~ K5MM PJ2MAN RR73
023100	-5	0.2	1434	~ CQ KA1AQF FN42
023100	-12	0.1	1491	~ UN7CL PY4EP RRR
023100	-7	-0.1	1567	~ UT2GA NP3OT FK78
023100	6	0.7	1832	~ KM6GUO CO8LY -14
023100	9	0.0	1884	~ US5QM YV5ZV -14
023100	11	0.9	2069	~ YT1TX HK3VHZ FJ24
023100	-11	0.2	2403	~ <PJ2/DK5ON> K9LOF EL16
023100	5	1.3	2524	~ LX1HD K2PMC EL88
023100	-18	0.1	2597	~ W1WKW VE3FGU -17
023100	-14	0.1	2832	~ HK4NDF KJ4YEM RR73
----- 40m				
023115	-8	0.1	90	~ CQ AK4R EM65
023115	-9	0.2	505	~ UA6AAX LU1BR GF05
023115	12	0.5	714	~ CQ W4KBX EL98
023115	-6	0.1	841	~ VE3ARF KG5ZTH -13
023115	-5	0.1	880	~ K8OD W5FQP 73
023115	-7	0.2	987	~ CQ DX LW8DOZ GF12
023115	-1	0.3	1087	~ A41ZZ PJ2MAN -12
023115	-14	0.1	1267	~ <PJ2/DK5ON> KC0BRA FN30
023115	-8	0.2	1408	~ ZP6SKY NO0B EN41
023115	-14	0.5	1525	~ G3PXT CX8RS GF25
023115	-20	-2.2	1600	~ AC0E <HR1LEO/HR9> -09
023115	8	-1.1	2028	~ KJ4YEM HK4NDF 73
023115	-2	0.1	2185	~ K7DPS KK4SIB EL88
023115	5	0.1	2237	~ CQ KA1AF EL98
023115	2	0.6	2402	~ N9OJC <PJ2/DK5ON> -15
023115	10	0.1	2464	~ ZP6SKY AF4Z EL98
023115	-1	0.5	2751	~ <RJ6A> UT1FG/MM 73

Rx Frequency

UTC	dB	DT	Freq	Message
000415	-17	-0.2	603	~ CQ EB5CUN IM99
001530	-12	0.2	602	~ K3MRK LU1BR -14
002315	-6	0.1	621	~ N1IIX K5VJZ EM35
002615	-10	0.4	622	~ KD9TZ YV5AJI FK60
004100	-1	0.3	609	~ KDOMKE YY7WGA -14
004130	1	0.4	610	~ KDOMKE YY7WGA -15
004200	-4	0.4	610	~ KDOMKE YY7WGA -15
004230	-9	0.4	611	~ KDOMKE YY7WGA -15
004300	-7	0.3	610	~ KDOMKE YY7WGA -15
004800	-3	0.1	614	~ CQ K9GRP EM28
004830	-1	0.1	614	~ CQ K9GRP EM28
004900	4	0.1	614	~ CQ K9GRP EM28
004930	7	0.1	614	~ CQ K9GRP EM28
005000	7	0.1	614	~ CQ K9GRP EM28
005030	-3	0.1	614	~ CQ K9GRP EM28
005100	-1	0.1	614	~ CQ K9GRP EM28
005130	-6	0.1	614	~ CQ K9GRP EM28
005200	-2	-1.0	618	~ WO8L HK4GV R-05
005215	-22	0.0	612	~ K9GRP KV2H DM33
005230	-4	-1.0	618	~ WO8L HK4GV 73
010715	-20	-0.1	618	~ CQ CA3PBR FF46
011145	-17	-0.1	609	~ VE6BTC CA3PBR -18
012845	1	0.4	604	~ XQ3MCC N4BM 73
012945	9	0.4	604	~ XQ3MCC N4BM 73
013815	-16	0.1	616	~ AB7OI K5EAM EM10
013845	-14	0.1	616	~ AB7OI K5EAM EM10
013915	-16	0.1	615	~ AB7OI K5EAM EM10
013945	-16	0.1	615	~ AB7OI K5EAM EM10
014015	-20	0.1	614	~ AB1YD K5EAM EM10
014045	-21	0.1	614	~ AB1YD K5EAM EM10
014115	-14	0.1	614	~ AB1YD K5EAM R-11
014145	-18	0.1	613	~ AB1YD K5EAM R-11
014215	-16	0.1	613	~ AB1YD K5EAM R-11
014245	-11	0.1	613	~ AB1YD K5EAM 73
021630	-14	0.1	617	~ W4UV AG5PC EM12

CQ only Log QSO Stop Monitor Erase Decode Enable Tx Halt Tx Tune Menus

40m S 7.074 000

DX Call DX Grid

3B8XF

Lookup Add

2019 Mar 18 02:31:42

IC-7800 FT8 Last Tx: 3B8XF AA6YQ FN42

Receiving 12/15 WD:6m

Generate Std Msgs Next Now

3B8XF AA6YQ FN42 Tx 1

3B8XF AA6YQ -05 Tx 2

3B8XF AA6YQ R-05 Tx 3

3B8XF AA6YQ RR73 Tx 4

3B8XF AA6YQ 73 Tx 5

CQ AA6YQ FN42 Tx 6

Statistics Since April 2017

Component	Public Releases	Defects Repaired	Enhancements
Commander	15	131	67
DXKeeper	22	97	102
DXView	4	11	15
Launcher	0	0	0
Pathfinder	3	0	8
PropView	2	1	4
SpotCollector	18	68	45
WinWarbler	4	3	19
Total	68	311	260

Reported-but-uncorrected Defects: 0

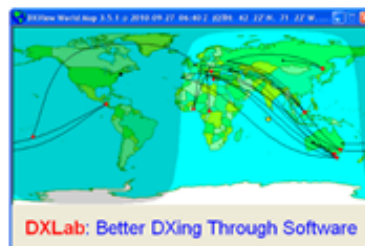
User Input

- Complaints?
 - Defects?
 - Deficiencies?
 - Frustrations?
 - Impediments?
-
- Enhancements?
 - Better Ideas?



[Download](#)

[New Users](#)



Overview | Xcvr_Control | DX_Info | Logging | Digimodes | QSL_Info | DX_Spots | Propagation | Management | Documentation | Getting Started

DXLab is a **freeware** suite of eight interoperating applications that can be installed independently in any order. When multiple applications are running, they sense each other's presence and automatically interoperate to support your [Amateur Radio DXing](#) activities:

- [Transceiver control with bandspread](#) - controls up to 4 Alinco, DZKK, Elecraft, FlexRadio, Hilberling, Icom, JRC, Kachina, Kenwood, TenTec, Yaesu transceivers, with frequency and mode tracking by an independent transceiver, receiver, SDR-based panadapter, or skimmer
- [Rotator control](#) - AlfaSpid, ARSWIN, Heath, Hygain, M2, N1MM Rotor, Proslstel, SARtek, TIC, Trackbox, Yaesu
- [Solar terminator display and prediction](#) - shows grey line at any specified date and time
- [Prefix, Region, IOTA, and Gridsquare lookup and display](#)
- [Language translation](#) - displays translations of amateur radio words and phrases for languages used in a station's location
- World map display - beam heading, terminator, DX spots, VHF openings, auroral oval
- [Callbook lookup](#) - Buckmaster, RAC, or QRZ CDROMs, Hamcall Online, or QRZ.com (both free and with data access subscription)
- [Logging](#) - supports both real-time logging, and recording completed QSOs from paper logs
- [QSL card and label generation](#)
- [Logbook of the World and eQSL.cc support](#) - automated bidirectional synchronization
- [Award tracking and submission](#) - AJA, Canada Award, Challenge, DDFM, DOK, DXCC, Holyland, IOTA, JCC, JCG, Maidenhead Fields & Squares, Marathon, RDA, SRR, TopList, VUCC, USA-CA, WAS, WAC, WAE, WAJA, WAJP, WAHUC, WAS, WAZ, WPX, WAJA, WITU
- [QSL route discovery](#) - provides access to more than 80 online sources
- [PSK31, PSK63, PSK125](#) - monitors an entire band and displays heard call signs
- [RTTY](#) - via the included MMTTY and 2Tone engines, with optional dual receive using a TNC
- [CW](#) (generation only) and [Phone](#) voice keyer
- [DX and WWW spot collection](#) - up to 6 clusters including DX Summit and the [Reverse Beacon Network](#), filtering, direct QSY with QSL
- [Propagation prediction](#) - provides a graphical view of openings by frequency and time using your choice of the included VOACAP, ICEPAC, and IONCAP forecasting engines
- [Propagation monitoring](#) - auto-QSY to monitor the IARU HF beacon network
- supports [add-in applications](#)
- [Interoperates](#) with MultiPSK, MMSSTV, MMVARI, DM780, Fldigi, HRD, MixW(\$), DX Atlas(\$)

Questions and suggestions are welcome in the [DXLab Yahoo Group](#), an open forum that you are encouraged to [join](#).

620211

Web hosting donated by Jamie Punderson W2QO and Networks & More! Inc. (<http://www.k12usa.com> & <http://www.isboss.com>)

www.dxlabsuite.com



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	hadraabal
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

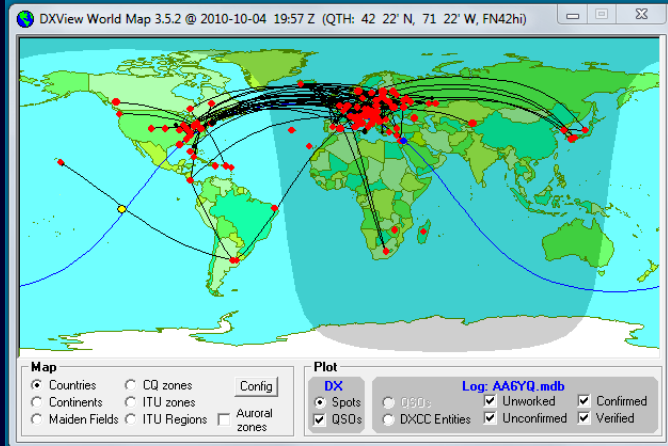
Spot source status
Report Stats Config Help

CallSign	Pfx	Freq	Band	Mode	LastTime	Notes	NAE	NAM	NAW	SA	EU	AF	AS	OC	UN	LastOrig	Source
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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
RX 14,086.19
TX 14,086.19

QU0TH00 DX CQ DX DE SV1PAS SV1PAS PSE K
DS1PAUSSVPAS DEHPFF,PD1BPSE K...
JITCQ DX CQ DX DE SV1PAS SV1PAS PSE EUU00ESQ 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
VFO B: 21,008.10
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

Bandspread 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

