

Schulung DX-Cluster

Herzlich willkommen



DARC e.V. - Ortsverband Husum (M04)

OV-Husum (M04)

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Definition DX-Cluster:

Ein DX-Cluster ist ein Kommunikationsnetzwerk für Funkamateure, das den Echtzeitaustausch von Informationen über weltweite Funkkontakte ("DX") ermöglicht.

Funkamateure können sich über das Internet (Telnet / HTTP) oder das ältere Packet-Radio-Netz mit dem Cluster verbinden, um sich über seltene Stationen, deren Rufzeichen, Frequenzen und Betriebsbedingungen zu informieren.

Moderne Cluster-Software bietet oft eine direkte Integration in Logbuchprogramme an, die den Zugriff auf die Frequenz der gemeldeten Station vereinfacht.



Hauptfunktionen eines DX-Cluster:

- **DX-Spots:**
Zeigt Informationen wie Rufzeichen, Frequenz, Betriebsart und Standort von Stationen an.
- **Filtermöglichkeiten:**
Nutzer können die angezeigten Meldungen nach Kontinenten oder Frequenzbändern filtern
- **Zusätzliche Daten:**
Bietet oft zusätzliche Informationen wie Ausbreitungsbedingungen, solarer Flux und Bandaktivität.



Beispiel DX-Cluster: www.dxsummit.fi

MY DX SUMMIT RADIO X ARCALA

Spots Spot Search Daily DX News Radio Arcala Visit Azores Tutorials

Filter → + ▾ Filters dx inc Search

Call-Suche ←

Spotter	Freq.	DX	Time	Info	Country
F4WEC	18125.0	W1RAB	11:53 17 Nov	CQ CQ CQ	United States
DL7AOM	24895.0	DL2025W	11:52 17 Nov	tnx good ears	Fed. Rep. of Germany
NN4SS	5357.0	ZL7/LZ1GC	11:52 17 Nov	Good Signal	Chatham Islands
OM8AEI	28460.0	VK2OT	11:52 17 Nov	Trnx 5/9	Australia
DF0HF	144371.0	IW1CHX	11:52 17 Nov	JO50SF<MS>JN35UB tnx, best+3	Italy
9A2V-@	24893.0	9U1RU	11:51 17 Nov	up1	Burundi
EA7KOY	7115.0	EA1BQR	11:51 17 Nov	DME-42088 Fuentelmonge (SO)	Spain
KD9VV	144150.0	W5EME	11:50 17 Nov	EN71<MS>EM32	United States
EA3HXV	28445.0	HK1T	11:50 17 Nov	57 And Very Clear...	Colombia
HA7VK	28030.1	TY5FR	11:50 17 Nov	QSX 28031.3	Benin
SV3IEG-@	21064.0	EA3O/P	11:50 17 Nov	SOTA: EA3/ GI-048	Spain
SWL-@	24893.0	9U1RU	11:49 17 Nov	cq	Burundi

Datensätze (Echtzeit) →

11:53:57 17 Nov

Location

Eingabe ←

Share a spot

My call: Callsign

DX: DX

kHz: kHz

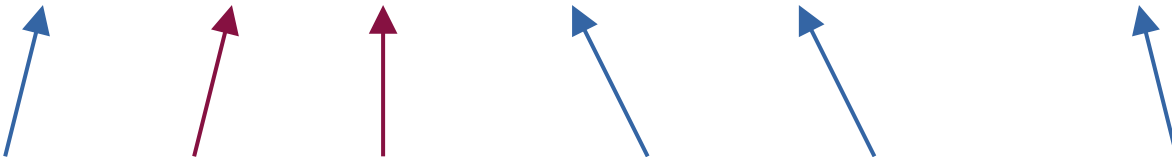
Info: Info

Share

Aufbau Datensatz

 Spotter	 Freq.	 DX	 Time	 Info	 Country
F4WEC	18125.0	W1RAB	11:53 17 Nov	CQ CQ CQ	United States

Melder MHz DX-Station UTC Zusatzinfo Land



Suchen einer DX-Station

Gesuchtes Rufzeichen

+ Filters

Dx callsign: 9U1RU ✕

dx

inc

Q

9U1RU

📶 Spotter	📶 Freq.	📶 DX	🕒 Time	📢 Info	🌐 Country
JF1KKV	18104.0	9U1RU	12:05 17 Nov	ft4 cq 496hz.	Burundi
9A2V-@	24893.0	9U1RU	11:51 17 Nov	up1	Burundi
SWL-@	24893.0	9U1RU	11:49 17 Nov	cq	Burundi
S57ZS	21255.0	9U1RU	11:44 17 Nov	tnx for qso 73 ZDRAVKO	Burundi

🕒 12:06:33 17 Nov

 JO44ol



Exkurs: Wer meldet was?

+

Filters

DE callsign: 9U1RU

x

de

inc

Q

9U1RU

Hat gemeldet

Spotter	Freq.	DX	Time	Info	Country
9U1RU-@	21255.0	9U1RU	11:17 17 Nov	Up5	Burundi
9U1RU-@	24893.0	9U1RU	11:13 17 Nov	CQ up 1	Burundi
9U1RU-@	28015.0	9U1RU	11:11 17 Nov	POWER ON	Burundi
9U1RU-@	24893.0	9U1RU	09:14 17 Nov	UP	Burundi

🕒 12:08:42 17 Nov

📍

JO44ol

Filter setzen

+ Klicken

 Spotter	 Freq.	 DX	 Time	 Info	 Country
JF1KKV	18104.0	9U1RU	12:05 17 Nov	ft4 cq 496hz.	Burundi
9A2V-@	24893.0	9U1RU	11:51 17 Nov	up1	Burundi
SWL-@	24893.0	9U1RU	11:49 17 Nov	cq	Burundi
S57ZS	21255.0	9U1RU	11:44 17 Nov	tnx for qso 73 ZDRAVKO	Burundi

🕒 12:06:33 17 Nov

 JO44ol



Filter Auswahlmöglichkeiten

Aktive Filter →

▼ Filters

☒ DX callsign: 9U1RU

Set filters

Clear filters

Modulationsarten →

Include selections

Mode

☒ PHONE

☐ CW

☐ DIGI

HF

☒ HF

☐ 1.8MHz

☐ 3.5MHz

☐ 5MHz

☐ 7MHz

☐ 10MHz

☐ 14MHz

☐ 18MHz

☐ 21MHz

☐ 24MHz

☐ 28MHz

☐ WARC

VUSHF

☐ VHF

☐ UHF

☐ SHF

☐ 50MHz

☐ 70MHz

☐ 144MHz

☐ 220MHz

☐ 430MHz

☐ 1.2GHz

☐ 2.3GHz

☐ 3.4GHz

☐ 5.6GHz

☐ 10GHz

☐ 24GHz

☐ 47GHz

LF

☐ LF

☐ 137kHz

☐ 472kHz

Flags

☐ iota

☐ Off

☐ satellite

☐ Off

☐ grp

☐ Off

☐ mobile

☐ Off

☐ portable

☐ Off

☐ beacon

☐ Off

Frequenzbereiche →

Exclude selections

Mode

☐ PHONE

☐ CW

☐ DIGI

HF

☐ HF

☐ 1.8MHz

☐ 3.5MHz

☐ 5MHz

☐ 7MHz

☐ 10MHz

☐ 14MHz

☐ 18MHz

☐ 21MHz

☐ 24MHz

☐ 28MHz

☐ WARC

VUSHF

☐ VHF

☐ UHF

☐ SHF

☐ 50MHz

☐ 70MHz

☐ 144MHz

☐ 220MHz

☐ 430MHz

☐ 1.2GHz

☐ 2.3GHz

☐ 3.4GHz

☐ 5.6GHz

☐ 10GHz

☐ 24GHz

☐ 47GHz

LF

☐ LF

☐ 137kHz

☐ 472kHz

Zusätze →

Filter: „Mode“ + „Callsign“

Filters

CW

DX callsign: 9U1RU

Set filters

Clear filters

Include selections

Mode

PHONE

CW

DIGI

HF

HF

1.8MHz

3.5MHz

5MHz

7MHz

10MHz

14MHz

18MHz

21MHz

24MHz

28MHz

WARC

Exclude selections

Mode

PHONE

CW

DIGI

HF

HF

1.8MHz

3.5MHz

5MHz

7MHz

10MHz

14MHz

18MHz

21MHz

24MHz

28MHz

WARC

Filters

CW

DX callsign: 9U1RU

dx

inc

Spotter	Freq.	DX	Time	Info	Country
LZ1DB-@	28015.0	9U1RU	12:12 17 Nov	TXN 73	Burundi
9A2V-@	24893.0	9U1RU	11:51 17 Nov	up1	Burundi
SWL-@	24893.0	9U1RU	11:49 17 Nov	cq	Burundi
IT9VDQ	28015.0	9U1RU	11:35 17 Nov	TXN CW	Burundi
OZ6PI-@	24893.0	9U1RU	11:14 17 Nov	up, strong,	Burundi
9U1RU-@	24893.0	9U1RU	11:13 17 Nov	CQ up 1	Burundi
OZ6PI-@	28015.0	9U1RU	11:12 17 Nov	up	Burundi



Filter: „Mode“ + „HF“-Frequenz + „Callsign“

Filters

14MHz x PHONE x DX callsign: 9U1RU x

Set filters Clear filters

Include selections

ModePHONE CW DIGI

HF1.8MHz 3.5MHz5MHz 7MHz 10MHz14MHz 18MHz 21MHz24MHz 28MHz WARC

Exclude selections

ModePHONE CW DIGI

HF1.8MHz 3.5MHz5MHz 7MHz 10MHz14MHz 18MHz 21MHz24MHz 28MHz WARC

Filters

14MHz x PHONE x DX callsign: 9U1RU x

dx

inc

Spotter	Freq.	DX	Time	Info	Country
SWL-@	14270.0	9U1RU	20:32 16 Nov	5up	Burundi
SWL-@	14255.0	9U1RU	14:15 16 Nov	5up	Burundi
KP4PK	14280.0	9U1RU	21:15 15 Nov	5 up / 59	Burundi
EA8CXY-@	14280.0	9U1RU	21:08 15 Nov	5u tnx fr new band.73	Burundi
VK2NN	14280.0	9U1RU	21:05 15 Nov	59 up 5	Burundi
IZ8XXE	14280.0	9U1RU	20:58 15 Nov	tu... big sig... UP	Burundi
DK6SP	14280.0	9U1RU	20:56 15 Nov	5 UP	Burundi

Filter: „Mode“ + mehrere Frequenzen + „Callsign“

Filters

14MHz

18MHz

21MHz

DIGI

DX callsign: 9U1RU

Set filters

Clear filters

Include selections

Mode

PHONE

CW

DIGI

HF

HF

1.8MHz

3.5MHz

5MHz

7MHz

10MHz

14MHz

18MHz

21MHz

24MHz

28MHz

WARC

Exclude selections

Mode

PHONE

CW

DIGI

HF

HF

1.8MHz

3.5MHz

5MHz

7MHz

10MHz

14MHz

18MHz

21MHz

24MHz

28MHz

WARC

Filters

14MHz

18MHz

21MHz

DIGI

DX callsign: 9U1RU

dx

inc

Spotter	Freq.	DX	Time	Info	Country
JF1KKV	18104.0	9U1RU	12:05 17 Nov	ft4 cq 496hz.	Burundi
IK6QOP	18104.0	9U1RU	11:42 17 Nov	any activity in 17 meters	Burundi
F4BAL-@	21074.5	9U1RU	10:25 17 Nov	FT8 -10dB 6479km From JO10 73	Burundi
G8VYV-@	18100.0	9U1RU	07:51 17 Nov	Tnx new band 73!	Burundi
TEAM-@	14080.0	9U1RU	06:40 17 Nov	still there?	Burundi
9U1RU-@	14080.0	9U1RU	05:47 17 Nov	Ft4	Burundi
NN8M	21074.0	9U1RU	00:01 17 Nov	FT8 Ohio	Burundi



Filter : „Mode“ + mehrere „Callsign“

Filters

DIGI × DX callsign: 9U1RU × DX callsign: CO8TW ×

Set filters Clear filters

Include selections

Mode

PHONE CW DIGI

HF

HF 1.8MHz 3.5MHz
5MHz 7MHz 10MHz
14MHz 18MHz 21MHz
24MHz 28MHz WARC

Exclude selections

Mode

PHONE CW DIGI

HF

HF 1.8MHz 3.5MHz
5MHz 7MHz 10MHz
14MHz 18MHz 21MHz
24MHz 28MHz WARC

+ Filters

DIGI × DX callsign: 9U1RU × DX callsign: CO8TW ×

dx inc

Spotter	Freq.	DX	Time	Info	Country
SQ4PKO-@	21076.1	CO8TW	12:17 17 Nov	FT8 tnx 73	Cuba
JF1KKV	18104.0	9U1RU	12:05 17 Nov	ft4 cq 496hz.	Burundi
IK6QOP	18104.0	9U1RU	11:42 17 Nov	any activity in 17 meters	Burundi
F4BAL-@	21074.5	9U1RU	10:25 17 Nov	FT8 -10dB 6479km From	Burundi

Filter : „Mode“

Filters

PHONE x

Set filters

Clear filters

Include selections

Mode

PHONE

CW

DIGI

HF

HF

1.8MHz

3.5MHz

5MHz

7MHz

10MHz

14MHz

18MHz

21MHz

24MHz

28MHz

WARC

Exclude selections

Mode

PHONE

CW

DIGI

HF

HF

1.8MHz

3.5MHz

5MHz

7MHz

10MHz

14MHz

18MHz

21MHz

24MHz

28MHz

WARC

Filters

PHONE x

dx

inc

Spotter	Freq.	DX	Time	Info	Country
F5IDJ-@	1850.0	9U1RU	12:29 18 Nov	PSE 160 PHONE for 33th SLOT	Burundi
VE3GJP	3755.0	WB3JIA	12:29 18 Nov		United States
LZ7MM	21140.0	TA9A	12:28 18 Nov	tnx ft4	Asiatic Turkey
WC0W	21140.0	9U1RU	12:28 18 Nov		Burundi
IZ0EHV	21153.0	IT9ECY	12:27 18 Nov	12.28 DTMBA I 172 ME	Sicily
EA7JP	14325.0	IU5KHP	12:27 18 Nov	POTA IT-0060 CQ CQ CQ	Italy
EA3IWI	28425.0	A41JM	12:27 18 Nov	Thank you for your contact. 73	Oman
IK5FKE	21140.0	IQ5PJ	12:26 18 Nov	Coltano Marconi 1911	Italy

Filter : Klasse E

Filters

Clear filters

Include selections

Mode

PHONE CW DIGI

HF

HF	1.8MHz	3.5MHz
5MHz	7MHz	10MHz
14MHz	18MHz	21MHz
24MHz	28MHz	WARC

Exclude selections

Mode

PHONE CW DIGI

HF

HF	1.8MHz	3.5MHz
5MHz	7MHz	10MHz
14MHz	18MHz	21MHz
24MHz	28MHz	WARC

+ 🚫 Filters

1.8MHz ✕ 3.5MHz ✕ 21MHz ✕ 28MHz ✕ PHONE ✕ DIGI ✕

📶 Spotter	📶 Freq.	📶 DX	🕒 Time	📢 Info	🌐 Country
SN6P-@	21140.8	5V7RU	12:33 18 Nov	FT4	Togo
EA5JLX-@	28074.4	IQ5PJ	12:33 18 Nov	FT8	Italy
SQ5TOM-@	28075.3	9U1RU	12:32 18 Nov	FT8	Burundi
F5IDJ-@	1850.0	9U1RU	12:29 18 Nov	PSE 160 PHONE for 33th SLOT	Burundi
9U1RU-@	21091.0	9U1RU	12:29 18 Nov	Up rtty	Burundi
VE3GJP	3755.0	WB3JIA	12:29 18 Nov		United States
LZ7MM	21140.0	TA9A	12:28 18 Nov	tnx ft4	Asiatic Turkey
WC0W	21140.0	9U1RU	12:28 18 Nov		Burundi



Eingabe DX-Station

🕒 12:00:26 17 Nov

📍 JO44ol

← Eigener QTH-Locator

Share a spot

My call:	DK7UY
DX:	DX
kHz:	kHz
Info:	Info
Share	

← Eigenes Rufzeichen

← Zu meldende DX-Station

← Frequenz der DX-Station

← Zusatzinfo (Mode, Split, etc.)

Eingabe DX-Station

🕒 13:09:56 17 Nov

📍 JO44ol

Share a spot

My call:	DK7UY
DX:	9J2FI
kHz:	28074
Info:	FT8

Share

+ 📶 Filters dx inc

📶 Spotter	📶 Freq.	📶 DX	🕒 Time	📶 Info	🌐 Country
WZ1V	144205.0	N3VS	13:11 17 Nov	FN31>FN31	United States
DK7UY-@	28074.0	9J2FI	13:10 17 Nov	FT8	Zambia
WB5HIL	144200.0	K5KXF	13:10 17 Nov	EM43CR<TR>EL18TP	United States
WZ1V	144205.0	K1FSY	13:10 17 Nov	FN31>FN31	United States

Der eingegebene Datensatz
-@ = Meldung über Internetanmeldung

Weitere Tools: VOACAP / Greyline

The screenshot shows the VOACAP web interface. At the top, there's a header with a '+ Filters' button, two status indicators (dx and inc) with green circles, and a search bar with a magnifying glass icon and the text 'Search'. Below the header is a table with columns: Spotter, Freq., DX, Time, Info, and Country. The table contains several rows of spot data. A context menu is open over the row for spotter 'OP4F' at frequency '7047.0'. The menu options are: 'Show VOACAP Predictions', 'Show Grey Line Map', 'Open in QRZ.com', and 'Open in Club Log'. To the right of the table, there's a section with a clock showing '10:47:11 27 Nov', a location input field with 'JO44ol', and a 'Share a spot' section with fields for 'My call: DK7UY', 'DX: DX', 'kHz: kHz', and 'Info: Info', followed by a green 'Share' button.

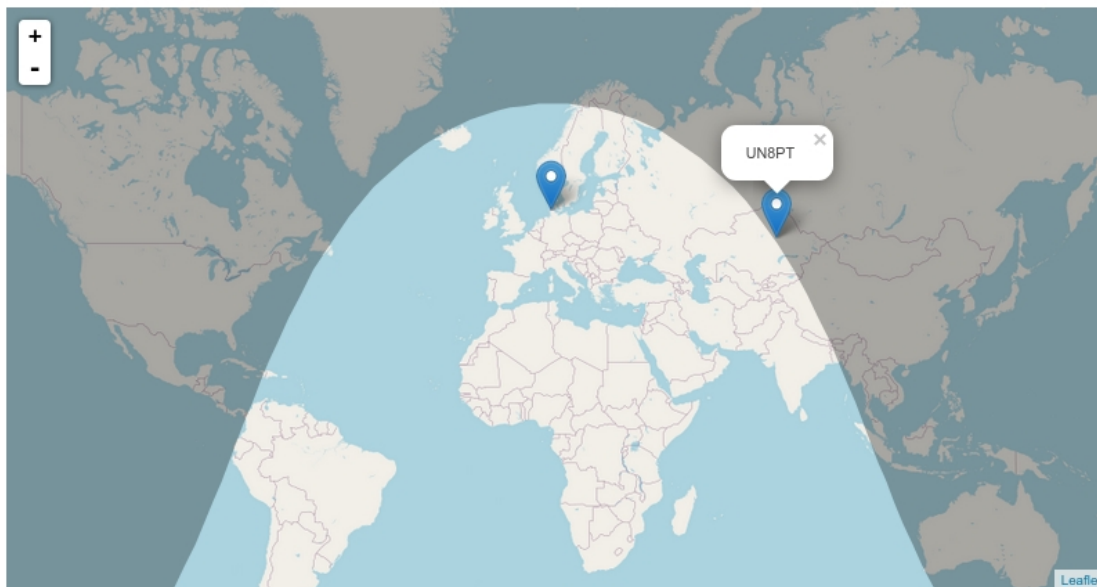
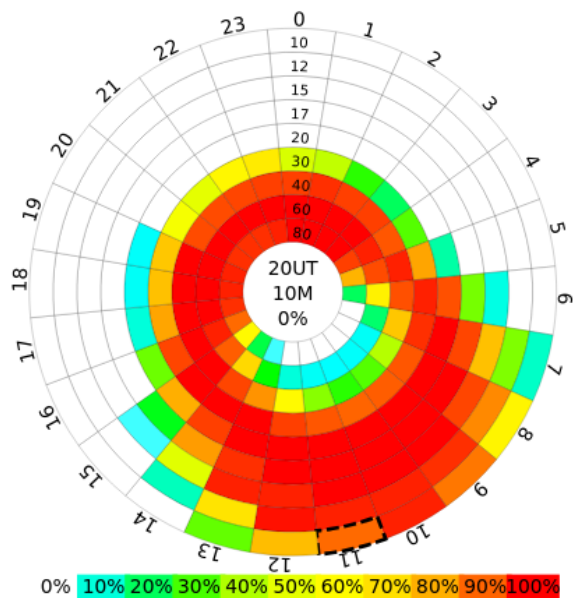
Spotter	Freq.	DX	Time	Info	Country
SQ9MDF	7188.0	SQ9MDF/P	10:45 27 Nov	SP/SS-012. PL-2593. AB05 pga	Poland
G1LQT	10136.0	DM800KM	10:45 27 Nov	FT8 IO70ni -> JO71bg	Fed. Rep. of Germany
SWL-@	7188.0	SQ9MDF/P	10:45 27 Nov	SOTA, POTA	Poland
SQ9NOT-@	7188.0	SQ9MDF/P	10:45 27 Nov	SP/SS-012. PL-2593. AB05 pga	Poland
EA5GXY	18104.0	ES2DR	10:45 27 Nov	FT4 Sent: -08 Rcvd: -06	Estonia
F8ASG	28475.0	UN8PT	10:44 27 Nov		Kazakhstan
OP4F	7047.0		10:44 27 Nov	S.S. LIVESTREAM	Belgium
IU7EDX	7080.0			test	Italy
DK3KP	28450.0				India
EA7KUH	18170.0			AL-0945	Spain

Rufzeichen anklicken

Context Menü

Weitere Tools: VOACAP / Greyline

JO44ol to UN8PT: 4242 km, 2636 mi, 02:38/11:12, SN 90, 70°



Path: ☒ Short Station Setup: ☒ Basic

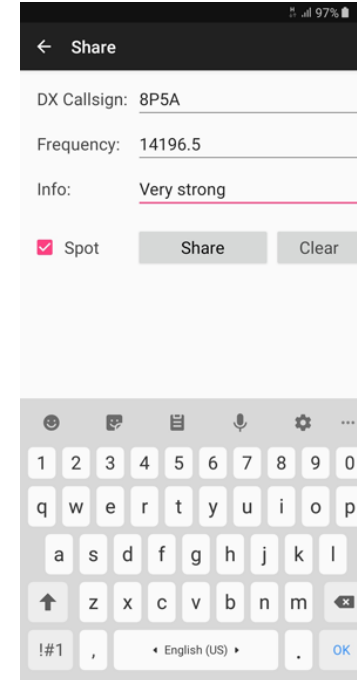
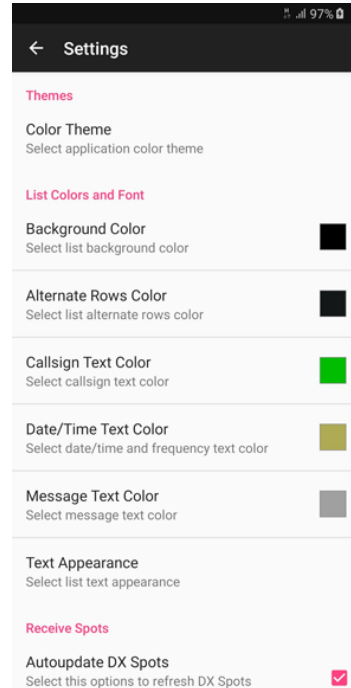
Powered by VOACAP online, www.voacap.com

OV-Husum (M04)

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Alternative für Android: DXPocket



Fragen?
Wünsche?
Anregungen?

