

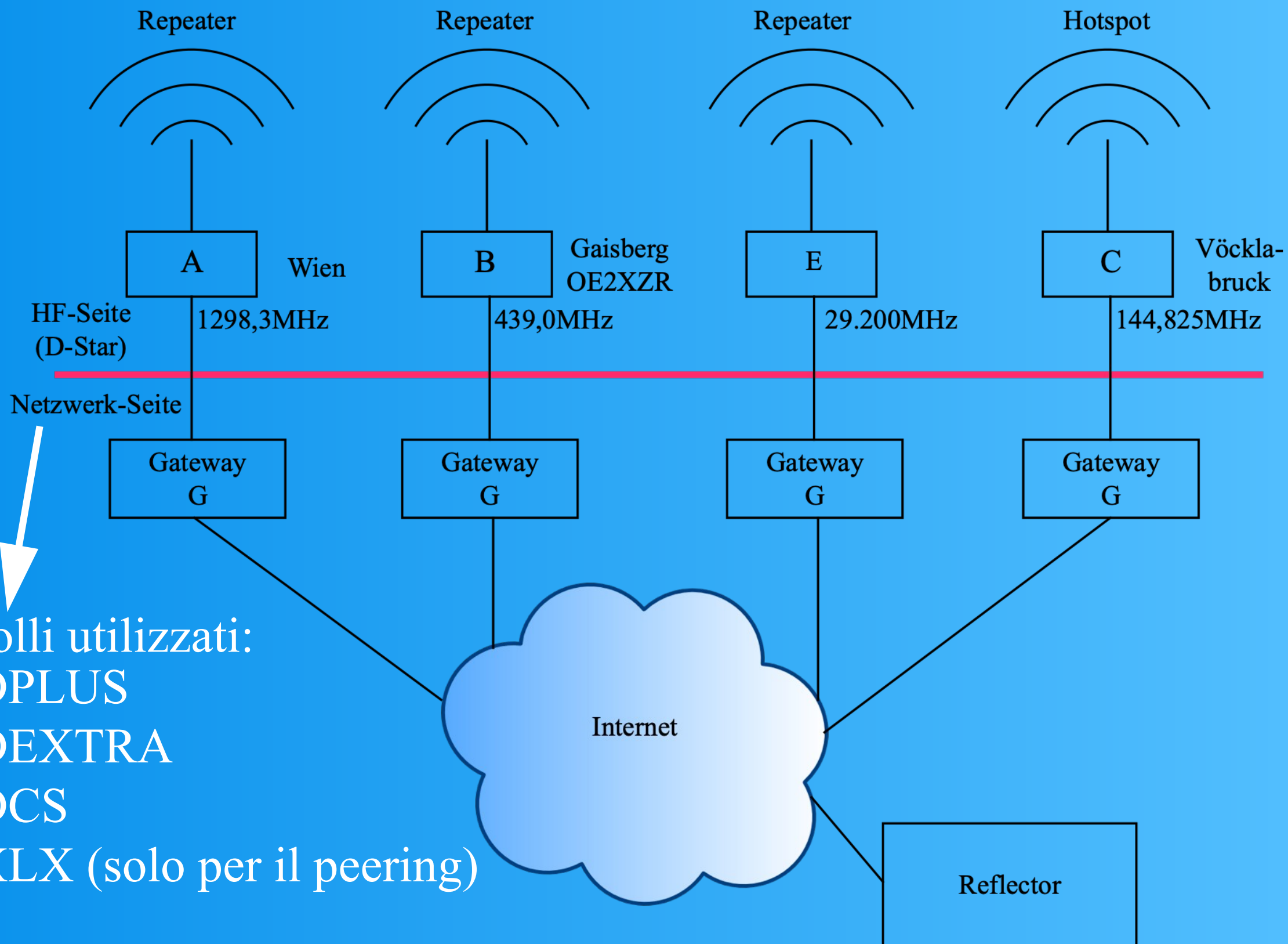


DStar

Geiersberg

13. Ottobre 2018

Contenuto e presentazione: IU2NIN, Timm Schneider
Folie: OE5MCM, Max Mayr



Protocolli utilizzati:

- DPLUS
- DEXTRA
- DCS
- XLX (solo per il peering)

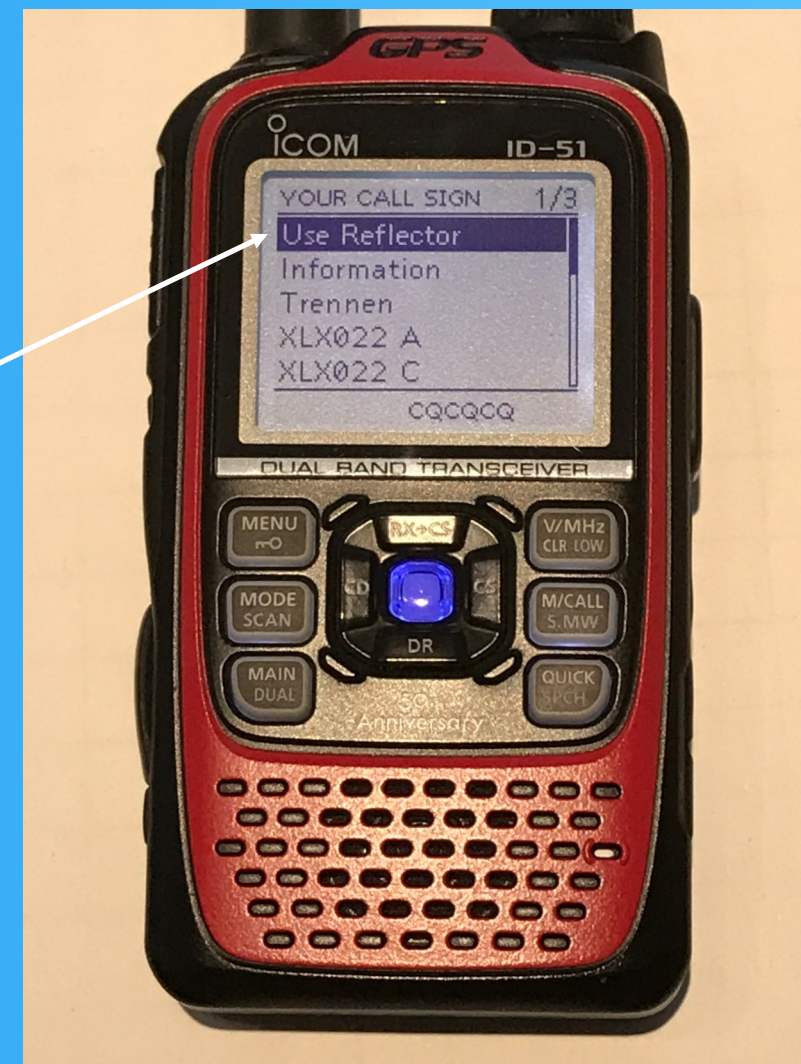
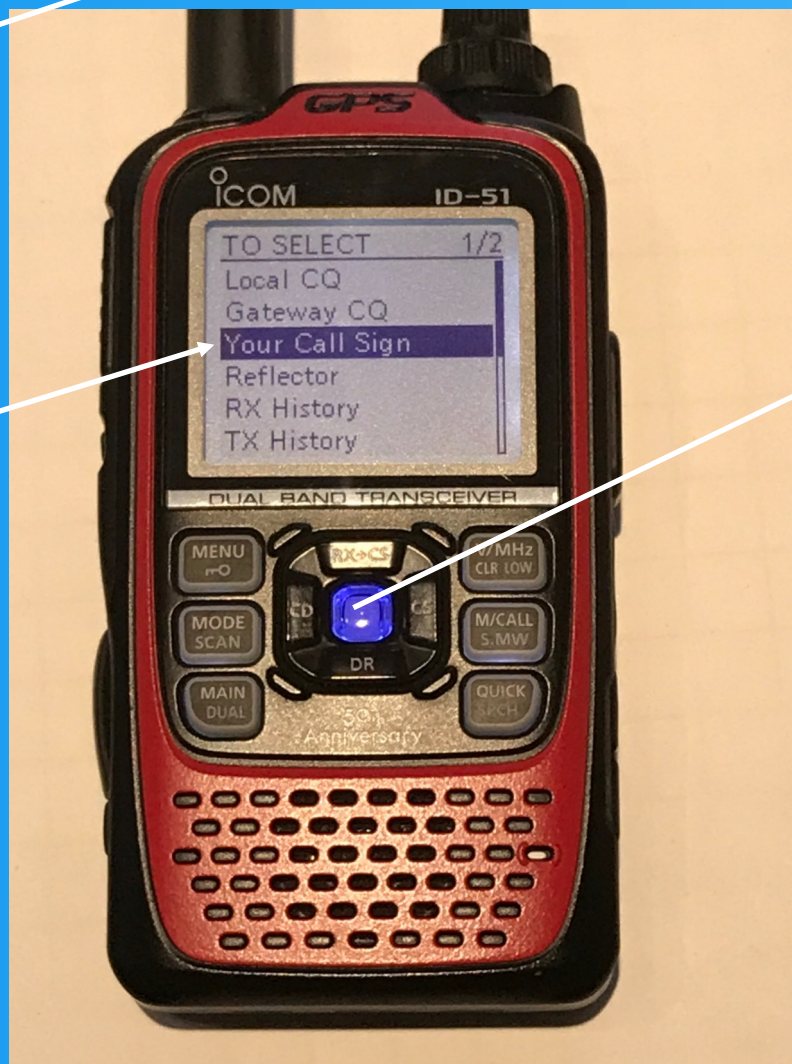


Riflettori

Tipi		IP-Protocolli Supportati
REF	001 - 075	DPLUS
XRF	000 - 999	DEXTRA, DPLUS
DCS	001 - 033	DCS
XLX	000 - 999	DPLUS, DEXTRA, DCS, XLX, DMR-MMDVM, DMR+-Dongle, YSF, ICOM-Terminal-Mode



Impostazione del Campo TO:





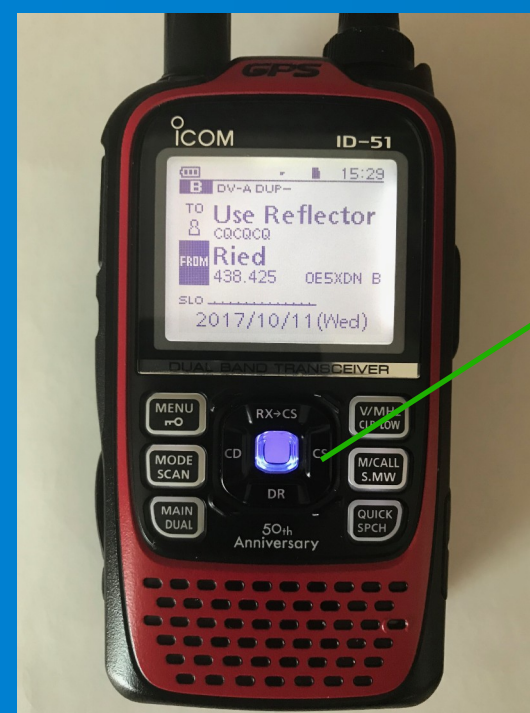
Impostazione per il Riflettore

UR : CQCQCQ
(URCALL) CALL
Comandi di Controlli
del Ripetitore

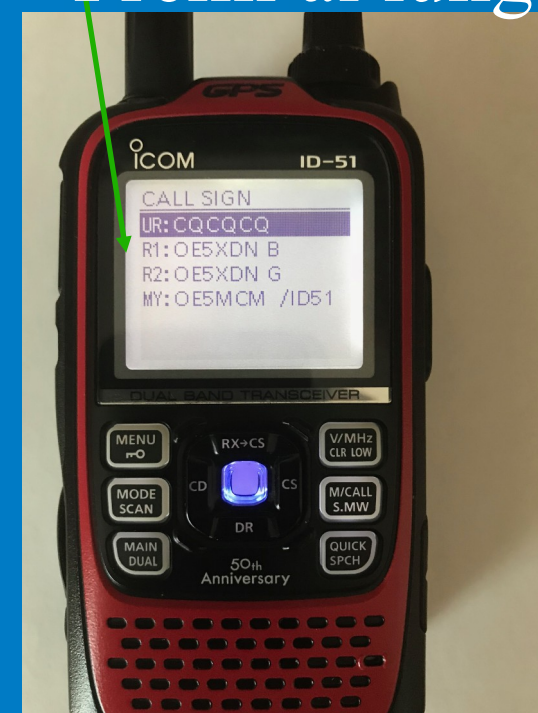
RPT1 : IR4MO B

RPT2 : IR4MO G

MYCALL : Nominativo



Premi al lungo





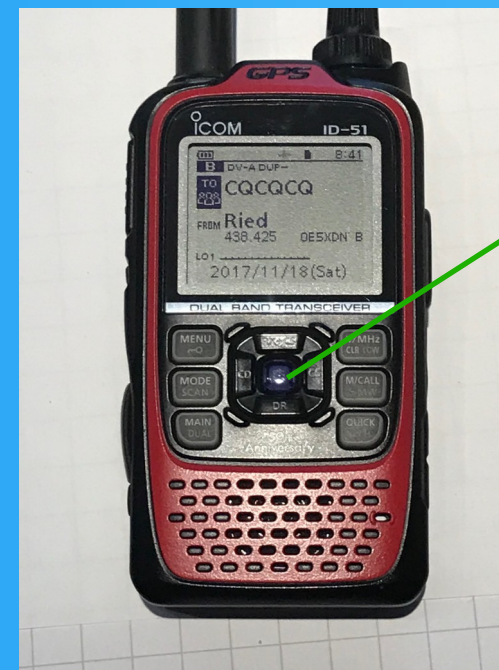
Impostazione per QSO locale

UR : CQCQCQ
(URCALL) CALL
Comandi di controllo
del Ripetitore

RPT1 : IR4MO B

RPT2 :

MYCALL : Nominativo



Premi al lungo





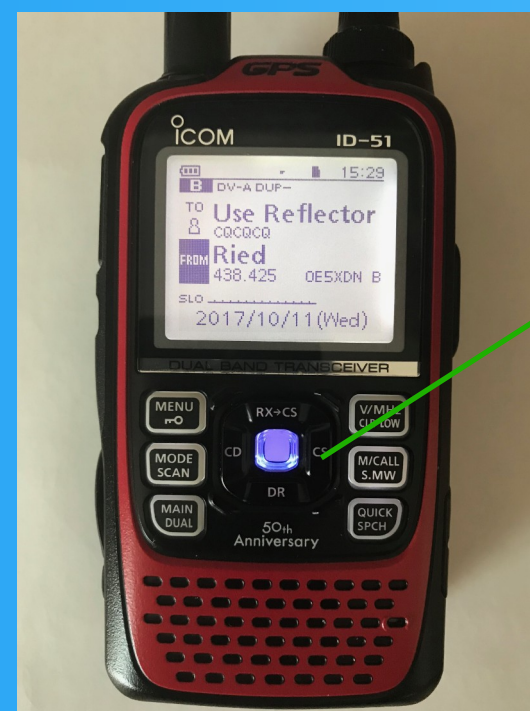
Impostazione per il X-Link

UR : CQCQCQ
(URCALL) CALL
Comandi di controllo
del Ripetitore

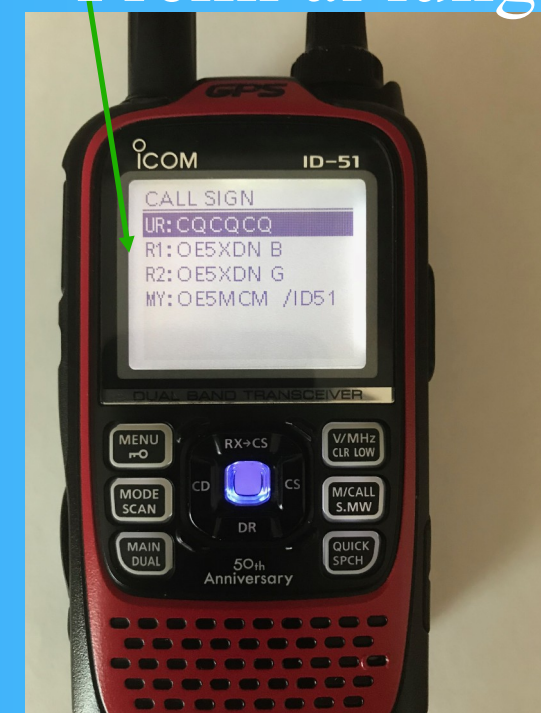
RPT1 : IR3UEF B

RPT2 : IR3UEF C

MYCALL : Nominativo



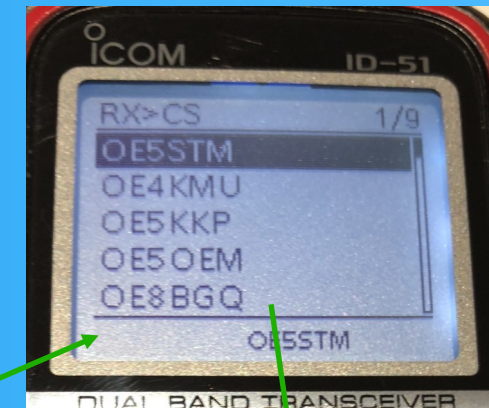
Premi al lungo





Callsign-Routing

UR (URCALL)	:	CALL
RPT1	:	IR4MO B
RPT2	:	IR4MO G
MYCALL	:	Nominativo



RX → CS premi al lungo



Funziona solo con i Ponti che supportano
sistema ircDDB.



Esempi per il campo UR(TO)

Il Comando dev'essere sempre lungo 8 cifre.

UR: IU2NIN

Il collegamento (Callsign routing)

UR: _ _ _ _ _ I Informazione

UR: _ _ _ _ _ U Scolegare

} Non aprono tutti i ponti che
sono connessi al riflettore.

UR: STN232 _ A Collegamento con OE2XGR _ D,
Connesso XLX022A

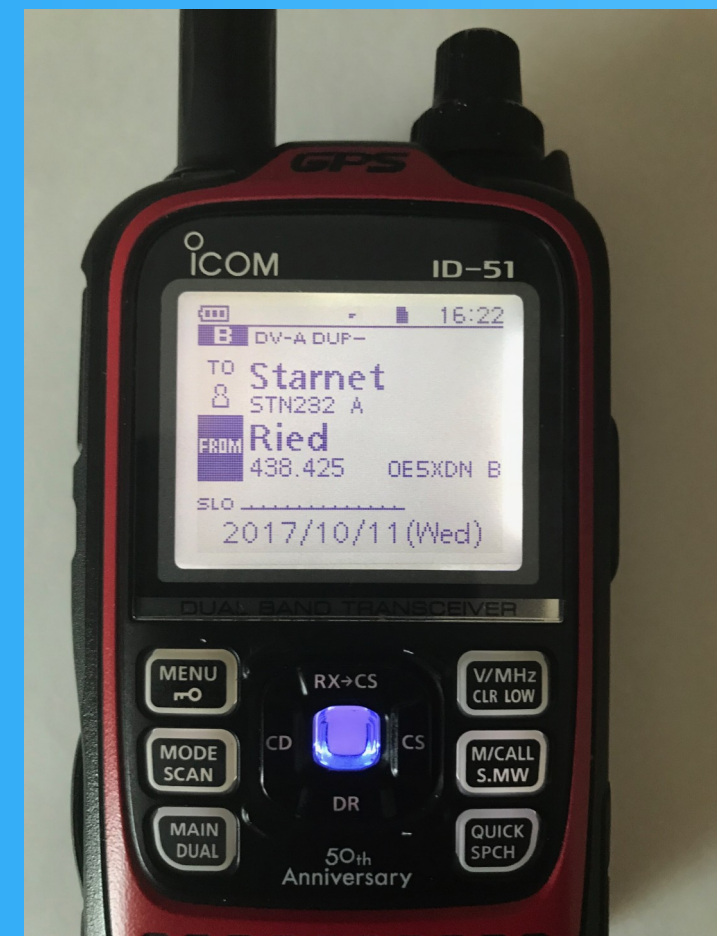
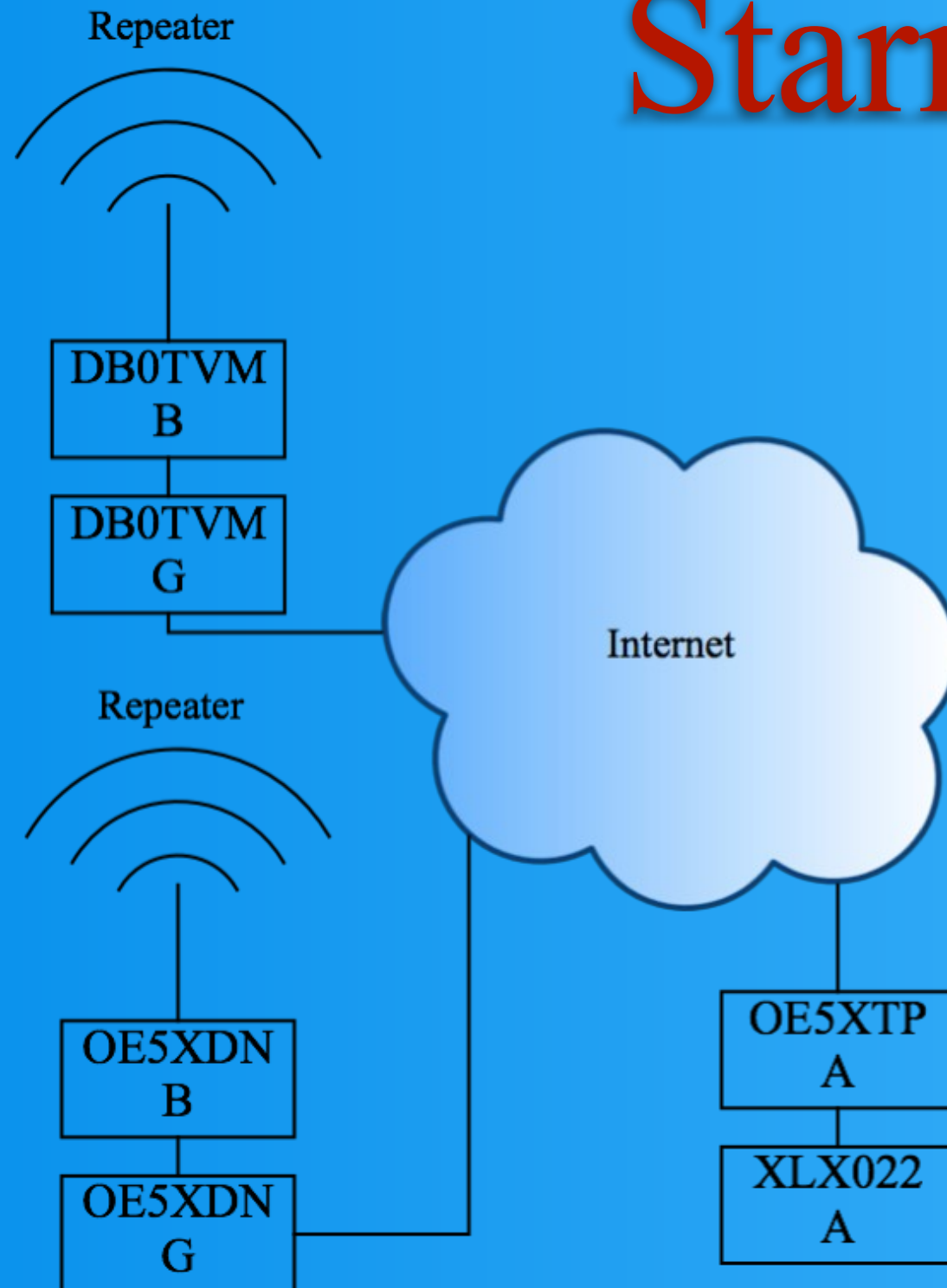
UR: XLX022BL Collegamento con XLX022 Modulo B,
L ... Link

_ ... Spazi



Starnet

ComandoUR: STN232_A





D-Star Registrazione

Per usare la Rete DSTAR, é obbligo il tuo nominativo é registrato nella Rete US-Trust.

Ci sono i Ponti ICOM tramitano il tuo segnale nella Rete solo se sei registrato. Anche ci sono i Riflettori che fanno un „check-up“.

Se voi fare un check-up che sei registrato o ti vuoi registrare, vai sul sito:

<https://regist.dstargateway.org/Dstar.do>



D-STAR Gateway System (REGIST)

REVISION 3.0B

Already registered?

Login with Callsign and Password.

Please note that Callsign and Password are case sensitive!
Callsign must be in UPPER CASE!

Callsign :

Password :

Login

2.

New user?

Registration Instructions

This registration site is provided by volunteers to enable D-STAR enthusiasts who **do not have** a local gateway system to register with; a place to register for access to the D-STAR network. You must have a valid amateur radio license issued in your country of origin to register here.

Register

1.

Forgot password?

Callsign :

Registered E-Mail Address :

Senden

Verify My Registration

Callsign :

Senden

D-STAR is a digital protocol developed by the Japan Amateur Radio League (the JARL) and stands for **Digital Smart Technology for Amateur Radio**.

Qui lo trovi
funzionamenti diversi.

Dopo la registrazione é
valido, entra qui e metti
i Terminals.

Se non sei registrato.

Se hai dimenticato il
password

Fai un controllo che ci
sei registrato



1. Registrazione

D-STAR Gateway System (REGIST)
REVISION 3.0B

The agreement document

Please register here IF YOU DO NOT HAVE A LOCAL D-STAR GATEWAY in your area that you can register with.

You can find a list of gateways with links to their registration page here:

<http://dstarusers.org/repeaters.php>

>>--> Do NOT request registration ON MORE THAN ONE GATEWAY - if you are already registered, DO NOT register again.

>>--> I agree to abide by the amateur radio rules and regulations of my country.

>>--> I understand that should I not comply, I may be removed from the D-Star network without warning.

Do you agree?

YES: ☐ NO: ☒

Enter your personal information!

CallSign : Equal to or less than 7 characters.

Name :

E-mail : Make sure you use a valid e-mail address.

Password : 8 to 16 characters.

Password confirm :

OK Cancel

Qui si fai la Richiesta della Registrazione, lo metti nel Campo „Callsign“ il tuo nominativo, poi il tuo nome, il tuo indirizzo posta elettronica, scegli una password, ma stai attento, lo password ti devi ricordare, allora scriviti su un foglio, perche dopo hai avuto la Mail che sei „approved“, lo devi mettere i terminals per il tuo nominativo con un Login.



2. Installazione delle Terminals

Dopo che hai avuto la Mail „Approved“ fai sul sito di nuovo

<https://regist.dstargateway.org/Dstar.do>

Fai il Login, come vedi sul numero 2, dopo lo vedi giusto:

REVISION 3.00

D-STAR Gateway System (REGIST)

Login : OE5STM Logout

User Information GW Information Terminal Information Personal Information

Contact: dstar-registration@googlegroups.com

SEARCH RESULT: 9177 Results

Callsign	Name
2E0BCJ	Dave Neville
2E0BJL	Marco
2E0CFP	Johnhenry hitchens
2E0CHP	Michael Dickinson
2E0CPU	Michael Johnson
2E0CXO	Keith Ralph
2E0DCC	David
2E0DFJ	David Jacobs
2E0DII	Ian D Phillips
2E0DPY	David Pye
2E0EBM	Bob Howitt
2E0EER	Jason Salter
2E0ETT	Paul McGee

Qui scegli „Personal information“.



Allora, adesso lo vedi questo schermo, ma un po' diverso, peche al inizio no Terminals ci sono inseriti.

[User Information](#) [GW Information](#) [Terminal Information](#) [Personal Information](#)

Check the box on the left and enter or edit the desired field.

☐ Name : Timm

☐ E-mail : oe5stm@lms-itsdienst.at

☐ Password :

Password Confirm :

If the station has multiple radios, the target call signs are distinguished by the "initial", a space or a CAPITAL English letter, as the last character.
Special reserved "initial" letters are "G" for a gateway and "S" for a local server.

	Initial	AccessPoint	Del
1: OE5STM			<input type="checkbox"/>
2: OE5STM A			<input type="checkbox"/>
3: OE5STM B			<input type="checkbox"/>
4: OE5STM C			<input type="checkbox"/>
5: OE5STM D			<input type="checkbox"/>
6: OE5STM T		✓	<input type="checkbox"/>
<input type="checkbox"/> 7: OE5STM			<input type="checkbox"/>
<input type="checkbox"/> 8: OE5STM			<input type="checkbox"/>

Check the item and enter or edit the fields, then click the Update button.

Update

Nummeo 1 a 6 si puo attivare, al campo „Initial“ lo metti i Terminals quelli che usano solo il sistema DMR basta solo Nummer 1. Non é obbligo metti tutti i 6, basta anche 3, almeno il primo(Con un spazio). Initial: A... 23cm, B... 70cm, C... 2m, D... Dongle (z.B. USB-Stick), E... 10m

Ripetitori(Ponti) hanno bisogno solo Terminals A-C, solo i Ponti da 10M lo metti E.



Nel Quadro „Initial“ inserisci i tuoi terminals, al primo numero inserisci un spazio, cioè con un clicc al Quadro metti un campo vuoto(Space), **questo è obbligo**. Numero 2 fino a 5 sono i Terminals che usiamo per gli D-Star Hotspot/Dongles. cioè con un clicc al Quadro metti un campo vuoto(Space), **questo è obbligo**. Numero 2 fino a 5 sono i Terminals che usiamo per g

Numero 6(T) é per il Terminale per il ICOM Terminal-Mode, per questo motivo facciamo qui il Modo „Access Point“ attivo. Come ho scritto prima, non tutti i sei Terminali sono obbligo, cosi il T-Terminale si puo essere anche su una altra posizione.

Solo il primo (Terminale vuoto) é obbligo.



Se usi una ponte privato(Hotspot) hai bisogno solo Terminale vuoto e B.

Poi premi il bottone „Update“ e vai.

Se vuoi cambiare qualcosa, attivare „Del“ (Delete=Cancelare) e premi sul bottone „Update“, poi fai il aggiornamento che voi fare.

Sil sito del nostro Riflettore XLX022 lo vedi se sei registrato o no, se premi il tasto PTT del tuo Apparecchio.

http://xlx022.tms-it.net/index.php?show=no_registered



overview

repeater

gateways

lastheard

user

qrqs&maps

clg

ircDDB LastHeard List

Nr.	Date/Time (UTC)	Callsign	ID	Rptr1	Rptr2	UrCall	Dest Rptr	TX-Message	Fms/t/S%/Err%
1	2017-11-04 16:28:37	OE5STM__	TIMM	OE5XTP_C	OE5XTP_G	CQCQCQ__	DCS022_A	OPEN_DSTAR_XNL_____	92/1.8/0.0/0.0
2	2017-11-04 10:03:23	OE5ENL__	5100	OE5XTP_C	OE5XTP_G	CQCQCQ__	DCS022_A	Norbert_Frankenbur__	210/4.2/0.0/0.0

You don't see your call sign here? Please read: <http://ircddb.net/live-vis.html>

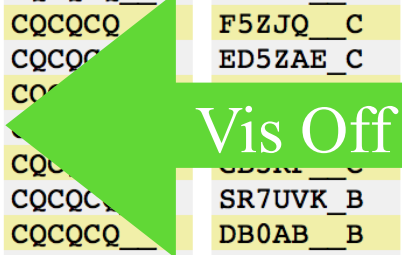
Refresh

2017/11/04 17:56 UTC

Software-Rev.: 2013/08/24 (dl5di/ircDDB-Team)



18:13:54	*****		REF075BL	ED3YAK_C	ED3YAK_G	.		0.5s S:0% E:0.0%	00 00 00
18:13:56	*****		REF001CL	ED3YAK_C	ED3YAK_G	.		0.6s S:0% E:0.0%	00 00 00
18:14:01	*****		CQCQCQ	K2DIG_B	K2DIG_G	.	.	4.3s S:0% E:0.0%	00 00 00
18:14:02	*****		.	IR3UIB_A	.	.	.	.	.
18:14:06	EA5HBT	5100	CQCQCQ	ED5ZAE_B	ED5ZAE_G	REF075_B	Pepe IM97eo	1.7s S:0% E:8.6%	00 00 00
18:14:14	EA5HBT	5100	CQCQCQ	ED5ZAE_C	ED5ZAE_G	REF075_B	.	1.7s S:0% E:10.7%	00 00 00
18:14:22	*****		CQCQCQ	K2DIG_B	K2DIG_G	.	.	74.7s S:0% E:0.0%	00 00 00
18:14:30	EA5HBT	5100	CQCQCQ	ED5ZAE_C	ED5ZAE_G	REF075_B	.	3.4s S:0% E:9.2%	00 00 00
18:14:34	EA5HBT	5100	CQCQCQ	ED5ZAE_C	ED5ZAE_G	REF075_B	.	1.3s S:0% E:3.4%	00 00 00
18:14:42	DH7ULX	2820	CQCQCQ	DB0DF_B	DB0DF_G	.	Burghard Mobil 2820	111.9s S:0% E:0.0%	00 00 00
18:14:45	*****		CQCQCQ	DB0ESS_B	DB0ESS_G	.	.	54.4s S:0% E:0.0%	00 00 00
18:14:45	*****		.	IR3UIB_A	.	.	.	.	.
18:15:03	*****		DCS006FL	W4BRM_B	W4BRM_G	.	.	0.2s S:0% E:0.0%	00 00 00
18:15:03	W1RPG	BOB	REF012CL	WD1CRS_C	WD1CRS_G	REF012_C	MOBILE IN MOTION CT	1.2s S:0% E:0.2%	00 00 00
18:15:16	G3PUO	LES	*****	GB3RF_C	GB3RF_G	.	.	1.1s S:0% E:11.5%	00 00 00
18:15:21	G3PUO	LES	*****	GB3RF_C	GB3RF_G	.	.	1.0s S:0% E:10.5%	00 00 00
18:15:23	*****		CQCQCQ	ED3YAK_C	ED3YAK_G	.	.	0.7s S:0% E:0.0%	00 00 00
18:15:35	*****		CQCQCQ	ED3YAK_C	ED3YAK_G	.	.	0.4s S:0% E:0.0%	00 00 00
18:15:37	*****		REF001CL	ED3YAK_C	ED3YAK_G	.	.	0.5s S:0% E:0.0%	00 00 00
18:15:40	*****		U	ED3YAK_C	ED3YAK_G	.	.	1.2s S:0% E:0.0%	00 00 00
18:15:42	OE7TAH	7059	CQCQCQ	DB0ESS_B	DB0ESS_G	.	Andreas, Vils/Tirol	74.1s S:0% E:0.0%	00 00 00
18:15:43	G3PUO	LES	*****	GB3RF_C	GB3RF_G	.	.	1.3s S:0% E:11.9%	00 00 00
18:15:46	W1RPG	BOB	REF001CL	WD1CRS_C	WD1CRS_G	REF001_C	MOBILE IN MOTION CT	1.2s S:0% E:0.0%	00 00 00
18:15:53	EA5HBT	5100	CQCQCQ	ED5ZAE_B	ED5ZAE_G	REF075_B	Pepe IM97eo	1.7s S:0% E:8.5%	00 00 00
18:16:07	EA5HBT	5100	CQCQCQ	ED5ZAE_B	ED5ZAE_G	REF075_B	Pepe IM97eo	1.5s S:0% E:0.2%	00 00 00
18:16:13	*****		.	IR3UIB_A	.	.	.	.	.
18:16:29	IW7EHM_P	IC92	XRF930BL	IR7UBL_B	IR7UBL_G	XRF930_B	LUIGI ALLISTE (LE)	0.3s S:23% E:0.0%	00 00 00
18:16:39	*****		CQCQCQ	DB0DF_B	DB0DF_G	.	.	25.7s S:0% E:0.0%	00 00 00
18:16:40	F4DAQ	ID51	CQCQCQ	F5ZJQ_C	F5ZJQ_G	DCS033_V	.	0.6s S:0% E:9.1%	00 00 00
18:16:43	EA5HBT	5100	CQCQCQ	ED5ZAE_C	ED5ZAE_G	REF075_B	Pepe IM97eo	1.5s S:0% E:0.0%	00 00 00
18:16:45	G3PUO	LES	CQCQCQ	GB3RF_C	GB3RF_G	DCS005_B	.	1.0s S:0% E:11.1%	00 00 00
18:16:47	*****		CQCQCQ	K2DIG_B	K2DIG_G	.	.	TX on	00 00 00
18:16:50	G3PUO	LES	CQCQCQ	GB3RF_C	GB3RF_G	DCS005_B	.	1.1s S:0% E:11.1%	00 00 00
18:16:57	SQ7LQZ	5100	CQCQCQ	SR7UVK_B	SR7UVK_G	.	RYSZARD RUDA ID 5100	0.9s S:0% E:0.0%	00 00 00
18:16:59	DG6IQ	OTTO	CQCQCQ	DB0AB_B	DB0AB_G	DCS001_R	Otto Franken JN59JJ	0.8s S:0% E:0.0%	00 00 00
18:17:01	DL7GCW	7162	CQCQCQ	DM0SAT_B	DM0SAT_G	DCS002_J	Werner-A25-ID-5100	1.0s S:0% E:0.0%	00 00 00
18:17:02	*****		CQCQCQ	DB0ESS_B	DB0ESS_G	.	.	TX on	00 00 00
18:17:03	F4DAQ	ID51	CQCQCQ	F5ZJQ_C	F5ZJQ_G	DCS033_V	.	0.6s S:0% E:7.2%	00 00 00
18:17:03	*****		.	IR3UIB_A	.	.	.	.	.
18:17:08	DH7ULX	2820	CQCQCQ	DB0DF_B	DB0DF_G	.	Burghard Mobil 2820	18.7s S:0% E:0.0%	00 00 00

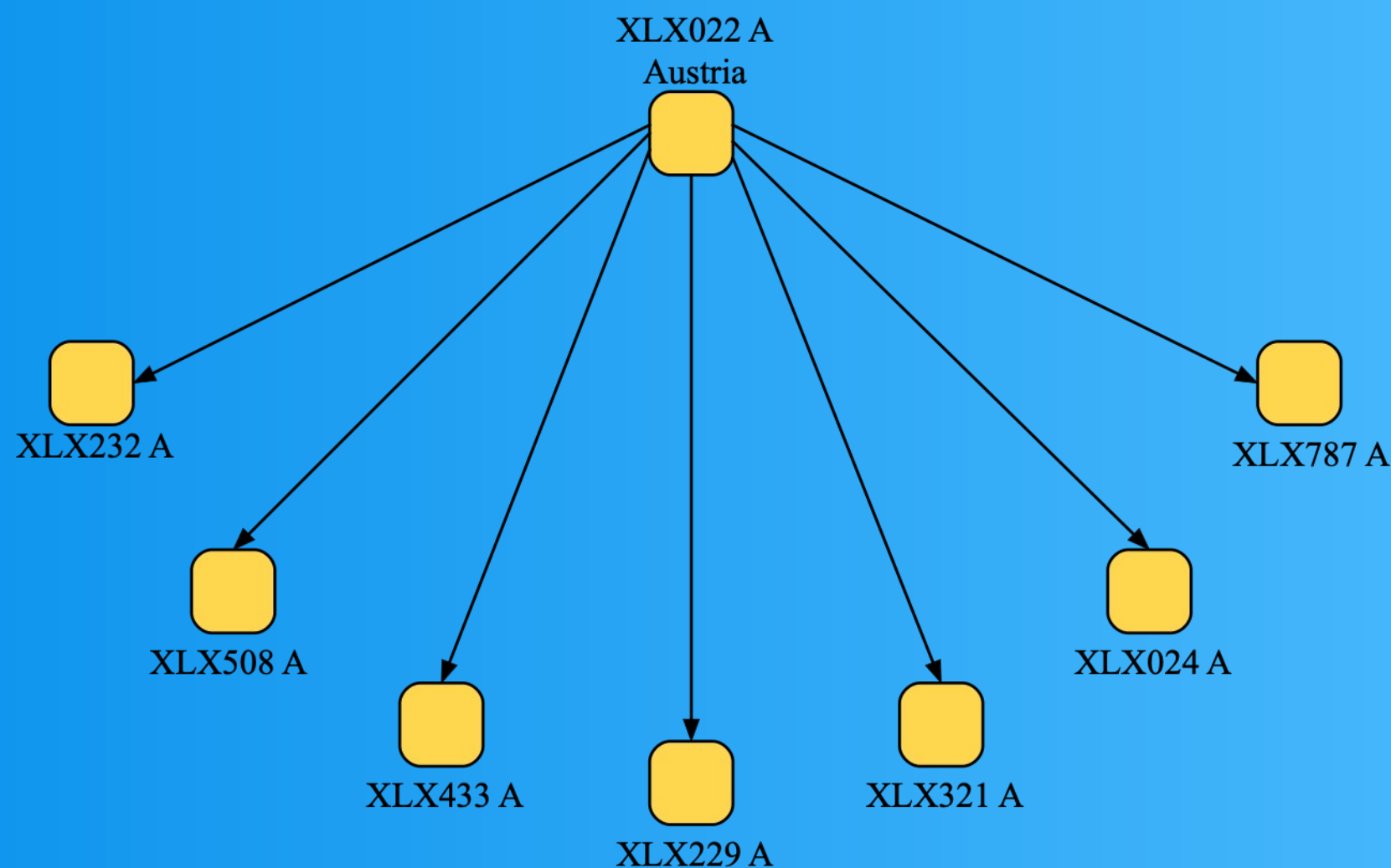


You don't see your call sign here? Please read: <http://ircddb.net/live-vis.html>

18:17:16	EA5HBT	5100	CQCQCQ	ED5ZAE_C	ED5ZAE_G	REF075_B	Pepe IM97eo	9.5s S:0% E:1.6%	00 00 00
UTC	MYCALL		URCALL	RPT1	RPT2	DEST	TX MSG	TX STATS	Flags



Panoramica della Rete Dstar in Austria





Moduli degli Riflettori

Modul A Austria



XLX016



XLX022



XLX024



XLX229



XLX232



XLX321



XLX433



XLX508



XLX787

Modul B Italien



XLX022



XLX024



XLX033



XLX068



XLX075



XLX077



XLX090



XLX099



XLX118



XLX228



XLX229

Modul C Deutschland



XLX016



XLX022



XLX024



XLX229



XLX232



XLX321



XLX787

Modul D Schweiz



XLX016



XLX022



XLX024



XLX229



XLX232



XLX321

Modul E Notfall



XLX016



XLX022



XLX747



XLX787

Modul F Südtirol



XLX016



XLX022



XLX024



XLX232



XLX321



Diversi Paesi sul nostro XLX022

XLX022 Modulconfiguration

A	OE Austria
B	Italia
C	Deutschland
D	Schweiz
E	Notfallkommunikation
F	Suedtirol
G	OE West
H	OE Nord
I	OE Sued
J	OE Ost

OPEN D-Star Austria

XLX 022 Reflectorsystem