OPEN-HYTERA-OE-MASTER-ENGLISH

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Inhaltsverzeichnis

DMR DigitalMaster

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On the ÖVSV server we installed the DMR OE-MASTER and you can use this master for testing issues.

You can connect with HYTERA RD985 or RD965 repeater with the IP Multi-Site Service license installed. The connection is done via the "Supermaster" service.

Parameters

- Repeater Type: **IP Multi-Site Master**
- Jitter Buffer Length: **8**
- Authentication Key: **!! leave empty !!**
- IP Multi-site Networking UDP Port: **62015**
- P2P Firewall Open Time (sec): **6**
- IP Multi-Site Service: **checked**
- IP Multi-Site Service UDP Port: **62016**
- RDAC: **checked**
- Remote RDAC UDP Port: **62017**
- Super Master Service: **checked**
- Super Master IP: **178.188.156.53**
- Super Master UDP Port: **62005**
- Super Master Multi-Site Service: **checked**
- Super Master Multi-Site UDP Port: **62006** as standard port. Please ask WinMaster SYSOP for your own indivudual port
- Super Master RDAC Service: **checked**

- Super Master RDAC UDP Port: **62007**

Server ID using RDAC Service

DigitalMaster versions larger then 8.0 are able to read the programmed Repeater Parameters.

- DMR Repeater ID
- Repeater callsign
- Repeater TX frequency
- Repeater RX frequency or shift

A Repeater with activated Super Master RDAC Service is able to transfer the parameters to the DigitalMaster. This information will be transferd to the S/BMaster system. So we can display this informations on the DashBoard. Please keep in mind to coordinate the Repeter IDs and store them to the DMR-MARC database. So we do not run in conflicts on international calls.

Timeslots / Talkgroups

- local QSOs - the timeslot TS2 should be complete free for local QSOs. Please use TG9 to be compatible to the network issues.
- echo function- as a special we offer on TS2 a echo function. All you speek to TG9990 on TS2 will be responded after release of PTT.
- national QSOs - the timeslot TS1 with TG9 you can also be used for local QSOs. With your country code (e.g. in OE TG232 or TG3 in USA) you can make nation wide QSOs
- international QSOs - with TG1 on TS1 you are connected to all repeaters WW (US, EU, ...).

HYTERA DashBoard / LastHeard

the link http://ham-dmr.de/dmr/ show the LastHeard information. This can show you the right function of the DigitalMaster installation.
You can also reach the overview which repeaters are ONLINE to the OPEN-HYTERA-NET:
http://ham-dmr.de/1repeater_status.php
And also an overview to control which talkgroups are linked to each repeater is shown:
http://ham-dmr.de/group.php.

DigitalMaster Software

The DigitalMaster software is written with .NET C# and connect the repeaters to the network..
The parameters in the properties form give you the possibilities to assign talkgroups to your slots. So you can make your own local TGs and bind repeaters to a local DMR-Network. So it is possible to connect the local repeaters (connected to the same DigitalMaster) on TS2 with TG9. This is a local area connection.
If you run more than one DigitalMaster on the same SMaster (see routing concept) you can decided on every DigitalMaster how to connect the DigitalMasters together.
The three step model give us a dynamic structure for the future.

- DigitalMaster build the repeater connections and the network for the region
- SMaster combine the DigitalMaster regions to a nationwide network
- BMaster combine nations to continents

here a picture from ÖVSV HYTERA-DMR OE-MASTER main- and properties page

DMR+ MASTER 7.00 Linux 64Bit

Navigation: HOME | SYSTEM | LOGFILE | GPS-USER | DONGLE | RPT-GEO | RPT-MAP | DMR-LIVE | USER | USER+ | REF-LIST | REF-LIST+ | MASTER

Fri Mar 20 14:17:19 2015

DMR MASTER CONFIG

SYSOPEMAIL	LocalMasterName	Locator_ID	TS1_INTERN	TS1_EXTERN	Ref Link	Ref unlink	sMaster_IP
oe1kbc@chello.at	OE-Vienna	2322	1,2,20,232	1,2,20,232	User Link On	User Unlink On	44.143.9.60

REPEATER ON MASTER

	DmrID	CALL	LOGINTIME	IP	TX_QRG	RX_QRG	SHIFT	START REF/RT	Reflector	TS1	FIRMWARE	MODEL
CONFIG	232100	OE1NAR	Fri Mar 20 09:15:00 2015	44.143.9.70 62006	438.5000	430.9000	-7.6	4191/15	Link 4191	232 1 20	DMR+ MB 0.95	MBplus S
CONFIG	228391	HB9BQ	Fri Mar 20 09:15:00 2015	213.202.59.75 62006	439.4125	431.8125	-7.6	4180/15	Link 4180	228 1 20	A6.05.10.004	RD985 M
CONFIG	232108	OE8XKK	Fri Mar 20 09:15:00 2015	44.143.9.72 62006	438.6000	431.0000	-7.6	4198/15	Link 4198	232 1 20	DMR+ MB 0.95	MBplus S
CONFIG	262400	DB0NG	Fri Mar 20 09:15:00 2015	217.191.49.246 62006	438.9000	431.3000	-7.6	4006/15	Link 4006	262 1 20	A5.05.10.007	RD985 S
CONFIG	232192	OE1XQU-7	Fri Mar 20 09:15:00 2015	44.143.8.68 62006	438.4500	430.8500	-7.6	4180/15	Link 4180	232 1 20	A6.05.10.004	RD985 M
CONFIG	232605	OE6XCD	Fri Mar 20 09:15:00 2015	81.217.111.56 62006	438.9750	431.3750	-7.6	4191/15	Link 4191	232 1 20	A7.00.09.003	RD985 M
CONFIG	232604	OE6XBF	Fri Mar 20 09:15:00 2015	185.29.89.105 62006	438.9125	431.3125	-7.6	4196/15	Link 4196	232 1 20	A6.05.10.004	RD985 M
CONFIG	232191	OE1XIK	Fri Mar 20 09:15:00 2015	44.143.9.52 62006	438.4250	430.8250	-7.6	4180/15	Link 4180	232 1 20	A7.00.09.003	RD985 M
CONFIG	262899	DB0ONA	Fri Mar 20 09:15:00 2015	212.125.105.170 62006	439.5875	431.9875	-7.6	4198/15	Link 4198	20 1	A6.05.10.004	RD985 M
CONFIG	232893	OE8XIK-70	Fri Mar 20 09:15:01 2015	44.143.19.50 62006	438.4250	430.8250	-7.6	4191/15	Link 4191	232 1 20	A7.00.09.003	RD965 M
CONFIG	232391	OE3XTR	Fri Mar 20 09:15:01 2015	82.218.27.11 62006	438.4000	430.8000	-7.6	4191/15	Link 4191	232 1 20	A7.00.09.003	RD625 M
CONFIG	232303	OE3XHB	Fri Mar 20 09:15:02 2015	44.143.9.73 62006	438.4250	430.8250	-7.6	4193/15	Link 4193	232 1 20	DMR+ MB 0.95	MBplus S
CONFIG	232703	OE7XTT	Fri Mar 20 09:15:02 2015	44.143.9.77 62006	438.3500	430.7500	-7.6	4197/15	Link 4197	232 1 20	DMR+ MB 0.95	MBplus S
CONFIG	232991	OE9XVJ	Fri Mar 20 09:15:02 2015	84.115.117.45 62006	438.5000	430.9000	-7.6	4199/15	Link 4199	232 1 20	A6.00.05.004	RD985 S
CONFIG	232601	OE6XAG	Fri Mar 20 09:15:02 2015	44.143.9.71 62006	438.6000	431.0000	-7.6	4196/15	Link 4196	232 1 20	DMR+ MB 0.95	MBplus S
CONFIG	262411	DF0MHR	Fri Mar 20 09:15:03 2015	91.16.219.64 62006	439.0375	431.4375	-7.6	NO SET	NO-LINK	262 1 20 10	A5.05.10.007	RD985 S
CONFIG	232193	OE1XQU-2	Fri Mar 20 09:15:03 2015	44.143.26.50 62006	145.5875	144.9875	-0.6	4191/15	Link 4191	232 1 20	A6.05.10.004	RD985 M

RepeaterOnline: 17 | ...:... | ...:. | Voice: GER | EFN:off | SPING: 41.50 ms | Build: 000 | Start Time: Fri Mar 20 09:14:57 2015

Questions to the software and the DigitalMaster (OE-MASTER) in OE

please EMail to oe1kbc@oevsv.at