
Inhaltsverzeichnis

OPEN-HYTERA-OE-MASTER-ENGLISH

[Versionsgeschichte interaktiv durchsuchen](#)

[Visuell Wikitext](#)

Version vom 1. Februar 2014, 09:10 Uhr (
Quelltext anzeigen)

[Oe1kbc](#) ([Diskussion](#) | [Beiträge](#))

[← Zum vorherigen Versionsunterschied](#)

Aktuelle Version vom 1. Februar 2014,
09:28 Uhr (Quelltext anzeigen)

[Oe1kbc](#) ([Diskussion](#) | [Beiträge](#))

(Eine dazwischenliegende Version desselben Benutzers wird nicht angezeigt)

Zeile 1:

– **== DMR WinMaster ==**

by: Kurt OE1KBC oe1kbc@oevsv.at

Zeile 1:

+ **== DMR DigitalMaster ==**

by: Kurt OE1KBC oe1kbc@oevsv.at

Zeile 26:

== Server ID using RDAC Service ==

– **WinMaster** versions larger then 8.0 are able to read the programmed Repeater Parameters.

* DMR Repeater ID

* Repeater callsign

Zeile 26:

== Server ID using RDAC Service ==

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

* DMR Repeater ID

* Repeater callsign

Zeile 32:

* Repeater RX frequency or shift

– A Repeater with activated Super Master RDAC Service is able to transfer the parameters to the **WinMaster**. 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.

Zeile 32:

* 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.

- == Server ID (old version without Super Master RDAC Service ==
- The HYTERA Repeaters do not give their ID to the network streams so i've to take this information from "Super Master Multi-Site UDP" Port.

- Therefore, if you use the default UDP-Port 62006 no Server-ID can be calculated.

- In coordination with Torsten DG1HT (for BMaster and SMaster) and OE1KBC (for WinMaster) we have the following possibilities:

- Super Master Multi-Site UDP Port: ""6FRLL""

- 6....fix

- F....counting no. per region 1-4

- R....Region 1-9 (in OE it is the state 1-9 in DL the first position of the postal code)

- LL...country code - only the last both digits - (OE...2<32> DL...2<62> HB9...2<28> US...3<10>)

-
- e.g.:

- the second repeater in region 8 in OE ""62832"" or

- the third repeater in postal region 4 in DL ""63462"" or

- the forth repeater in region 7 in US ""64710""

-

**Please note: Use the UDP-Port "62006" only for the first tests and QSOs. After that you will get a fixed UDP-Port. This Port identify you repeater to routing- and informations systems.
**

**Only with a fix UDP-Port you can use all the features in the WinMaster system. You can get this fix port form your WinMaster administrator. In Austria please contact me oe1kbc@oevsv.at
**

== Timeslots / Talkgroups ==

* local QSOs - the timeslot **TS1** 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 **TS1** a echo function. All you speak to TG9990 on **TS1** will be responded after release of PTT.

* national QSOs - the timeslot **TS2** with TG9 you can also **use** 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 you are connected to all repeaters WW (US, EU, ...).

== HYTERA DashBoard / LastHeard ==

Zeile 67:

<http://ham-dmr.de/group.php>.

== **WinMaster** Software ==

== 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 speak 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 ==

Zeile 47:

<http://ham-dmr.de/group.php>.

== **DigitalMaster** Software ==

-	The WinMaster software is written with .NET C# and connect the repeaters to the network.. 	+	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 WinMaster) on TS1 with TG9. This is a local area connection. 	+	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 WinMaster on the same SMaster (see routing concept) you can decided on every WinMaster how to connect this WinMasters together. 	+	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.		The three step model give us a dynamic structure for the future.
-	* WinMaster build the repeater connections and the network for the region	+	* DigitalMaster build the repeater connections and the network for the region
-	* SMaster combine the WinMaster regions to a nationwide network	+	* SMaster combine the DigitalMaster regions to a nationwide network
	* BMaster combine nations to continents		* BMaster combine nations to continents
-	here a pictiure from ÖVSV HYTERA-DMR OE-MASTER main- and propertiespage	+	here a picture from ÖVSV HYTERA-DMR OE-MASTER main- and properties page
	[[Bild:OE-MASTER-PRINT.jpg 500px OPEN HYTERA OE MASTER]]		[[Bild:OE-MASTER-PRINT.jpg 500px OPEN HYTERA OE MASTER]]
-	== questions to the software and the WinMaster (OE-MASTER) in OE ==	+	== Questions to the software and the DigitalMaster (OE-MASTER) in OE ==
-	Please EMail to oe1kbc@oevsv.at	+	please EMail to oe1kbc@oevsv.at

Aktuelle Version vom 1. Februar 2014, 09:28 Uhr

Inhaltsverzeichnis

1 DMR DigitalMaster	7
2 Parameters	7
3 Server ID using RDAC Service	7
4 Timeslots / Talkgroups	8
5 HYTERA DashBoard / LastHeard	8
6 DigitalMaster Software	8
7 Questions to the software and the DigitalMaster (OE-MASTER) in OE	9

DMR DigitalMaster

by: Kurt OE1KBC oe1kbc@oevsv.at

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 individual 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 speak 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											
HOME	Fri Mar 20 14:17:19 2015										
SYSTEM	DMR MASTER CONFIG										
LOGFILE											
GPS-USER	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			
DONGLE	REPEATER ON MASTER										
RPT-GEO	CONF: 232100	CALL: OE1XAR	LOGINTIME: Fri Mar 20 09:15:00 2015	IP: 44.143.9.70 62006	TX: 438.5000	QRG RX: 430.9000	SHIFT: -7.6	START: 4191/15	REF/RT: Link 4191	TS1: 232 1 20	FIRMWARE: DMR+ MB 0.95 MBplus S
RPT-MAP	CONF: 228391	CALL: HB9RO	LOGINTIME: Fri Mar 20 09:15:00 2015	IP: 213.202.59.75 62006	TX: 439.4125	QRG RX: 431.8125	SHIFT: -7.6	START: 4180/15	REF/RT: Link 4180	TS1: 228 1 20	FIRMWARE: A6.05.10.004 RD985 M
DMR-LIVE	CONF: 232108	CALL: OE1XKK	LOGINTIME: Fri Mar 20 09:15:00 2015	IP: 44.143.9.72 62006	TX: 438.6000	QRG RX: 431.0000	SHIFT: -7.6	START: 4198/15	REF/RT: Link 4198	TS1: 232 1 20	FIRMWARE: DMR+ MB 0.95 MBplus S
DMR-LIVE	CONF: 262400	CALL: DEBNG	LOGINTIME: Fri Mar 20 09:15:00 2015	IP: 217.191.49.246 62006	TX: 438.9000	QRG RX: 431.3000	SHIFT: -7.6	START: 4006/15	REF/RT: Link 4006	TS1: 262 1 20	FIRMWARE: A5.05.10.007 RD985 S
USER	CONF: 232192	CALL: OE1XQU	LOGINTIME: Fri Mar 20 09:15:00 2015	IP: 44.143.8.68 62006	TX: 438.4500	QRG RX: 430.8500	SHIFT: -7.6	START: 4180/15	REF/RT: Link 4180	TS1: 232 1 20	FIRMWARE: A6.05.10.004 RD985 M
USER	CONF: 232605	CALL: OE1XCD	LOGINTIME: Fri Mar 20 09:15:00 2015	IP: 81.217.111.56 62006	TX: 438.9750	QRG RX: 431.3750	SHIFT: -7.6	START: 4191/15	REF/RT: Link 4191	TS1: 232 1 20	FIRMWARE: A7.00.09.003 RD985 M
USER	CONF: 232604	CALL: OE1XBE	LOGINTIME: Fri Mar 20 09:15:00 2015	IP: 185.29.89.105 62006	TX: 438.9125	QRG RX: 431.3125	SHIFT: -7.6	START: 4196/15	REF/RT: Link 4196	TS1: 232 1 20	FIRMWARE: A6.05.10.004 RD985 M
USER+	CONF: 232191	CALL: OE1XIK	LOGINTIME: Fri Mar 20 09:15:00 2015	IP: 44.143.9.52 62006	TX: 438.4250	QRG RX: 430.8250	SHIFT: -7.6	START: 4180/15	REF/RT: Link 4180	TS1: 232 1 20	FIRMWARE: A7.00.09.003 RD985 M
USER+	CONF: 262899	CALL: DEBONA	LOGINTIME: Fri Mar 20 09:15:00 2015	IP: 212.125.105.170 62006	TX: 439.5875	QRG RX: 431.9875	SHIFT: -7.6	START: 4198/15	REF/RT: Link 4198	TS1: 20 1	FIRMWARE: A6.05.10.004 RD985 M
REF-LIST	CONF: 232893	CALL: OE1XIK	LOGINTIME: Fri Mar 20 09:15:01 2015	IP: 44.143.19.50 62006	TX: 438.4250	QRG RX: 430.8250	SHIFT: -7.6	START: 4191/15	REF/RT: Link 4191	TS1: 232 1 20	FIRMWARE: A7.00.09.003 RD985 M
REF-LIST+	CONF: 232391	CALL: OE1XIK	LOGINTIME: Fri Mar 20 09:15:01 2015	IP: 82.218.27.11 62006	TX: 438.4000	QRG RX: 430.8000	SHIFT: -7.6	START: 4191/15	REF/RT: Link 4191	TS1: 232 1 20	FIRMWARE: A7.00.09.003 RD625 M
MASTER	CONF: 232303	CALL: OE1XHB	LOGINTIME: Fri Mar 20 09:15:02 2015	IP: 44.143.9.73 62006	TX: 438.4250	QRG RX: 430.8250	SHIFT: -7.6	START: 4193/15	REF/RT: Link 4193	TS1: 232 1 20	FIRMWARE: DMR+ MB 0.95 MBplus S
MASTER	CONF: 232703	CALL: OE1XTI	LOGINTIME: Fri Mar 20 09:15:02 2015	IP: 44.143.9.77 62006	TX: 438.3500	QRG RX: 430.7500	SHIFT: -7.6	START: 4197/15	REF/RT: Link 4197	TS1: 232 1 20	FIRMWARE: DMR+ MB 0.95 MBplus S
MASTER	CONF: 232991	CALL: OE1XVJ	LOGINTIME: Fri Mar 20 09:15:02 2015	IP: 84.115.117.45 62006	TX: 438.5000	QRG RX: 430.9000	SHIFT: -7.6	START: 4199/15	REF/RT: Link 4199	TS1: 232 1 20	FIRMWARE: A6.00.05.004 RD985 S
MASTER	CONF: 232601	CALL: OE1XAG	LOGINTIME: Fri Mar 20 09:15:02 2015	IP: 44.143.9.71 62006	TX: 438.6000	QRG RX: 431.0000	SHIFT: -7.6	START: 4196/15	REF/RT: Link 4196	TS1: 232 1 20	FIRMWARE: DMR+ MB 0.95 MBplus S
MASTER	CONF: 262411	CALL: DEBMR	LOGINTIME: Fri Mar 20 09:15:03 2015	IP: 91.16.219.64 62006	TX: 439.0375	QRG RX: 431.4375	SHIFT: -7.6	START: NO SET	REF/RT: NO-LINK	TS1: 262 1 20 10	FIRMWARE: A5.05.10.007 RD985 S
MASTER	CONF: 232193	CALL: OE1XOU	LOGINTIME: Fri Mar 20 09:15:03 2015	IP: 44.143.26.50 62006	TX: 145.5875	QRG RX: 144.9875	SHIFT: -0.6	START: 4191/15	REF/RT: Link 4191	TS1: 232 1 20	FIRMWARE: 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