OPEN-HYTERA-OE-MASTER-ENGLISH

Versionsgeschichte interaktiv durchsuchen
VisuellWikitext

Version vom 1. Februar 2014, 09:10 Uhr (Quelltext anzeigen)	**Aktuelle Version vom 1. Februar 2014, 09:28 Uhr (Quelltext anzeigen)**
Oe1kbc (Diskussion | Beiträge)	Oe1kbc (Diskussion | Beiträge)
← Zum vorherigen Versionsunterschied	

(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.

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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 to 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 UPD-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 posibilities:
- 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>)
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- 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'''
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–	**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 **
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	== 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 **TS 1** a echo function. All you speek 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 **TS 2** 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** yo u 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

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 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

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

please EMail to oe1kbc@oevsv.at