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OPEN-HYTERA-OE-MASTER-ENGLISH

Versionsgeschichte interaktiv durchsuchen
VisuellWikitext

Version vom 18. Oktober 2013, 16:35 Uhr
(Quelltext anzeigen)
Oe1kbc (Diskussion | Beiträge)
← Zum vorherigen Versionsunterschied

Version vom 22. November 2013, 10:38
Uhr (Quelltext anzeigen)
Oe1kbc (Diskussion | Beiträge)
Zum nächsten Versionsunterschied →

Zeile 14:

* IP Multi-Site Service: ""checked""

* IP Multi-Site Service UDP Port: ""62016""

– * RDAC: ""unchecked""

* Super Master Service: ""checked""

* Super Master IP: ""178.188.156.53""

Zeile 14:

* 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""

Version vom 22. November 2013, 10:38 Uhr

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DMR WinMaster

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

WinMaster 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 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.

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 fourth 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 identifies your repeater to routing- and information systems.

Only with a fixed UDP-Port you can use all the features in the WinMaster system. You can get this fixed port from 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 an 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, ...).

LastHeard

via <http://87.106.3.249/dmr> you can see the list of the last heard QSOs.

WinMaster Software

The WinMaster 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.

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.

The three step model give us a dynamic structure for the future.

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

here a pictiure from ÖVSV HYTERA-DMR OE-MASTER main- and propertiespage

| 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 | User Link On | | User Unlink On | sMaster_IP | |
| | oe1kbc@chello.at | OE-Vienna | 2322 | 1,2,20,232 | 1,2,20,232 | | | | | | 44.143.9.60 | |
| DONGLE | REPEATER ON MASTER | | | | | | | | | | | |
| RPT-Geo | DmrID | CALL | LOGINTIME | IP | TX_QRG | RX_QRG | SHIFT | START | REF/RT | Reflector | TS1 | FIRMWARE MODEL |
| RPT-MAP | CONFIG | 232100 | OE1VAR | 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 | HBPRO | 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 | OE1XKK | 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 |
| DMR-LIVE | CONFIG | 262400 | DBONG | 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 | 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 |
| USER | CONFIG | 232605 | OE1XCD | 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 | OE1XBE | 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 |
| USER+ | CONFIG | 232191 | OE1XK | 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 | DBDONA | 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 |
| REF-LIST | CONFIG | 232893 | OE1XKZ | 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 |
| REF-LIST+ | CONFIG | 232391 | OE1XNR | 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 | OE1XNB | 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 |
| MASTER | CONFIG | 232703 | OE1XLT | 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 | OE1XJ | 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 | OE1XAG | 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 | DTAMRK | 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 | 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 WinMaster (OE-MASTER) in OE

Please EMail to oe1kbc@oevsv.at

OPEN-HYTERA-OE-MASTER-ENGLISH: Unterschied zwischen den Versionen

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- Authentication Key: **!! leave empty !!**
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|--|--------------------------|-----------------|------------|--------------------------|-----------------|--------------|----------------|-------------|--------|-----------|-----------|-------------|---------------------|
| 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 | DmrID | CALL | LOGINTIME | IP | TX_QRG | RX_QRG | SHIFT | START | REF/RT | Reflector | TS1 | FIRMWARE | MODEL |
| RPT-MAP | CONFIG | 232100 | OE1VAR | 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 |
| | CONFIG | 228391 | HBPRO | 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 |
| | CONFIG | 232108 | OE1XKK | 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 RD985 |
| DMR-LIVE | CONFIG | 262400 | DBONG | 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 | A5.05.10.004 RD985 |
| | CONFIG | 232192 | OE1XQU | 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 |
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| | CONFIG | 232604 | OE1XBE | 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 |
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| MASTER | CONFIG | 232703 | OE1XJT | 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 |
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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 TS1 an 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, ...).

LastHeard

via <http://87.106.3.249/dmr> you can see the list of the last heard QSOs.

WinMaster Software

The WinMaster 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.

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.

The three step model give us a dynamic structure for the future.

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

here a pictiure from ÖVSV HYTERA-DMR OE-MASTER main- and propertiespage

| 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 | aMaster_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 | DmrID | CALL | LOGINTIME | IP | TX_QRG | RX_QRG | SHIFT | START | REF/RT | Reflector | TS1 | FIRMWARE | MODEL | |
| RPT-MAP | CONFIG | 232100 | OE1VAR | 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 | HBPRO | 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 |
| DMR-LIVE | CONFIG | 232108 | OE1XKK | 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 | DBONG | 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 |
| USER | CONFIG | 232192 | OE1XQU | 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 | OE1XCD | 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 |
| USER+ | CONFIG | 232604 | OE1XBE | 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 | OE1XNK | 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 |
| REF-LIST | CONFIG | 262899 | DBDONA | 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 | OE1XKZ | 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 |
| REF-LIST+ | CONFIG | 232391 | OE1XNR | 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 | OE1XNB | 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 |
| MASTER | CONFIG | 232703 | OE1XJT | 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 | OE1XVJ | 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 | OE1XAG | 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 | DTOMRK | 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 | 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 WinMaster (OE-MASTER) in OE

Please EMail to oe1kbc@oevsv.at