

Changes in RAy10 firmware - overview

Release 4.1.43.0

2011-11-03

- New features:

- New set of 14 and 28MHz channels to meet country specific requirements.
- Discovery of an unknown management IP address and/or management VLAN tag added. The standard LLDP protocol has been implemented for that purpose. For details see Device/Service access Help.
- Service exchange of only one end of a link is now easier. The Search mode was implemented. Link can be established even if the "Peer serial" does not match. For details see Device/General Help.
- The SNMP subsystem has been optimized, responses are much faster now. The MIB table has been redesigned and extended.
- The shorter version of a user manuals and full MIB table can be downloaded directly from the RAy unit. For details see Tools/Documentation Help.
- Firmware update is extended by user manual update option (two separate packages).
- Root Help screen is added to make whole Help system navigation easier.
- The internal switch ethernet port statistics are extended. Complete RMON statistics are accessible via CLI and SNMP.
- The link supervision is much easier by smarter alarm status indication:
 - Alarm exclamation icon: Short Status Alarm, Eth link down, Peer serial, RF power fail.
 - System Short Status is extended by Warning status. For details see Short Status Help
- New alarms are implemented. The SNMP traps are generated:
 - RFPowerFail – power amplifier failure detection.
 - PeerEthLinkDown – SNMP trap on peer station Ethernet link loss.
- The user triggered cold system restart is enabled for both local and remote unit.
- Diagnostic package export for service purposes. For details see Tools/Misc Help.
- Updated help screens.
- Status Device - "Peer serial" added
- Status Radio - "Max Net bitrate" added
- SW keys user dialog was redesigned for easier user interaction.
- ACM switching profiles optimized.
- When operating on ACM profile, the Low coding option is used, to get highest possible user data rate.

- Fixed bugs:
 - The Manual time synchronization is more comfortable. When switching to Manual mode, the "Source IP" address is automatically deleted.
 - The management address selection limitation is removed (in some cases: the link could not operate correctly, when management IP addresses were not selected from the same subnet)
 - The slow protocol problem (e.g. LACP) was fixed.
 - The unit polarization detection malfunction in higher elevation was fixed.

Release 4.1.40.0

2011-04-14

- Fixed bugs:
 - Repair of web graphics
 - The window with help opens always visible
- Firmware update:
 - The existing 4.1.39.0 firmware can be updated to version 4.1.40.0 and next via web interface
 - In the older firmware (3.2.1.0 and 4.1.38.0), contact your supplier. Through a web interface can not update the firmware!

Release 4.1.39.0

2011-04-02

- New features:
 - New design web menu
- Fixed bugs:
 - Web Analyzer menu - the delay is inserted between switching to the Analyzer and the first measurement

Release 4.1.38.0

2011-02-17

- New features:
- Fixed bugs:
 - CLI, modulation - If the modulation is "auto", then the Remote is also "auto". Eg. the command "configure radio frequency matched 7 CH1AA auto" does not contain more the Remote modulation nor coding.

Release 4.1.37.0

2010-12-09

- New features:
 - Modulation - on both sides need to set either a fixed modulation or ACM modulation
 - Keys - ACM switches from the minimum degree of modulation to the degree allowed by the key (fw 36 required to unlock the full range of the band)
 - Management VLAN - can be activated independently on Local and Remote, you can choose independently Management VLAN id on both sides

- Acoustic indication - limited to a maximum of 30 minutes
- RAY10EU - Release 37 is functional also for the EU version
- <https://> - it is automatically added before the browser address
- Check format - Station name, Username, SNMP string
- Analyzer - when in Continue mode, it continues even if you move to another menu
- Fixed bugs:
 - Analyzer - repaired channel selection function with the menu changing to Bridge
 - Graph ethernet - supplemented with history of previous days. There remains the problem of a large number of points - it is recommended to display short intervals.

Release 4.1.36.0

2010-08-17

- New features:
 - Management VLAN - added
 - Product keys - added to the Device
 - Analyzer - added One shot local, remote
 - Analyzer - added Disable peer TX
 - Analyzer - timeout reduced from 30 to 10 minutes
 - Polarization - separate indication of Local and Remote
 - Graph ETH - added
 - VLAN - runs continuously, Prioritized VLAN can be turned off
 - Access safe - renamed to Secure Access
 - Access open - in the default state allows also the ssh with key
 - Config - configuration downloaded from the disconnected line can be recorded on Local
 - Config - added the test of validity the recorded configuration
 - RF power - lock replaced by the product key
 - CLI -povel configure radio frequency extended by the modulation and coding
 - CLI - a new features added into help
 - CLI - GW can be cleared by writing ""
 - CLI - command configure device time manual includes determining the time zone
- Fixed bugs:

Release 3.2.2.0

2010-03-01

- New features:
 - Station name - default contains L or H according to the type of station
 - SNTP - the default is sntp off
 - SSH - all ssh connections are removed when the access is disabled
 - CLI - the software version added into "show device"
 - CLI - show snmp added
- Fixed bugs:
 - GW - possible to insert a blank
 - CLI - time and SNMP string settings are recorded in the log
 - CLI - Local username will not change when you use the wrong password, remote protection is not.

Release 3.2.1.0

2010-02-02

- Initial comparative version