

Summary of changes RAY10

Release 4.1.51.0

2013-05-29

- New features:
 - Ingress policer implemented to limit user data speed. User interface in CLI only.

Release 4.1.49.0

2013-02-06

- New features:
 - Station location configuration item. Station location value is accessible via SNMP. The network topology can be more easily created using this value.
- Removed features:
 - RSS indicator is removed from the new HW version.

Release 4.1.48.0

2012-11-05

- New features:
 - New https certificate generated to be able to access the station using the Internet Explorer running at MS Window with installed update KB2661254.
 - New version of the SNMP MIB validated to Severity level 3.
- Fixed bugs:
 - The 7 MHz channel validation fixed.

Release 4.1.47.0

2012-10-09

The new HW version (with new type of gyro sensor) has to be loaded with this firmware.

Release 4.1.46.0

2012-02-21

Note: The RAY units produced with firmware 4.1.46.0 can not be downgraded due to the different set of calibration parameters incompatible with older firmware versions.

- New features:
 - New https Racom certificate to assure compatibility with future Racom products.
 - When link is established: Device-Configuration menu configuration items are offered with “Both” value by default.
 - Station time can be easily set-up by manually copying actual time from the management PC.
 - Statistic counters reset with confirmation dialog.
 - MIB table extended by numeric value of the modulation.
- Fixed bugs:
 - Search mode behavior fixed in case of partially interrupted link.
 - Time zones fixed (Moscow, Brasil).
 - OutDroppedPkts display value fixed.
 - Fix of the configuration rollback algorithm which is supervising setting of the the new radio parameters. The radio parameters are set back to previous values when radio link is not successfully re-established.
 - Sending of the LLDP messages from the two port version fixed.
 - Sending of the 64bit counters via SNMP fixed.
 - SSH key backup on firmware upgrade fixed.
 - Minor CLI fixes: helps, command line parameters.

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.