



QOR.32 & QOR.16 Integrated Console Engine Software Package v2.1.0.219 – Update Instructions For iQ, Radius, RAQ + DESQ consoles

12 February 2016, Cleveland, Ohio USA

Software version compatibility

Livewire Nodes: v2.5.2 or higher

iQ/Radius surface firmware: 5.27

Preparation for Update – *Important!*

Before updating it is highly recommended to back up QOR configuration to your PC's hard drive. Use your web browser to navigate the QOR's Backup/Restore web page and use the Backup Settings button to save the XML file.

If you need to use the file to restore a configuration, once uploaded, the QOR needs to reboot to load the settings.

Download the v2.1 software at

<ftp://ftp.zephyr.com/pub/Axia/Updates/QOR/1601-00517-014-QOR-2.1.0.219.igpk>.



Installation of New Software

1. Open the QOR Control Center web page at the unit's base IP address (standard HTTP port 80).
2. Visit the **Setup** page. Via the setup page, locate the “Browse” button and select the update file from the file system of your PC. The new version will load into the unused software bank once you press the “Upload image” button.
3. The page will refresh once the upload is complete, showing the new version in the unused bank. Now select the bank and press the “Change active bank” button.

Software update:



The screenshot shows a web interface for software updates. At the top, there is a section titled "Software versions:" containing a table with two rows. The first row shows a file icon, "1.84 MB", a green circle with a checkmark, and "[1.0.10.26 (22 Nov 2011 12:24:01)]". The second row shows a file icon, "1.83 MB", a blue circle with a checkmark, and "1.0.10.31 (26 Jan 2012 13:38:39)". Below the table is a warning message: "Changing active bank will result in reboot" with an information icon. Underneath is a button labeled "Change active bank". Further down is a section for uploading new software, with a text input field, a "Browse..." button, and another warning message: "Uploading will overwrite contents of inactive bank". Below this is an "Upload image" button. At the bottom of the interface is a "Reboot..." button.

Software versions:			
	1.84 MB		[1.0.10.26 (22 Nov 2011 12:24:01)]
	1.83 MB		1.0.10.31 (26 Jan 2012 13:38:39)

 Changing active bank will result in reboot

Change active bank

Upload new software: **Browse...**

 Uploading will overwrite contents of inactive bank

Upload image

Reboot...

The QOR will reboot once you press the button.

The system will take less than a minute to reboot during which audio will stop.

Release Notes – v2.1.0.219

Most significant features of the release: AES67 support. Switch status UI.

Functional improvements:

- Split option for Preview in Headphones.
- CR Monitor Direct output.
- Caller ID field is used to display caller ID if phone system supplies it. Otherwise remote is used as in old versions.
- Restored comment showing for phone. Current priority of line descriptions are: Comment, Caller ID, Remote.
- GPIO Hybrid Control option added (similar to Hybrid Answer Mode in Element, in disabled state start/stop pins are dedicated take/ringing, drop/on-air pins).
- GPIO control for show switching.
- Added second Studio Programs to V-Mode selector.
- Added note that Network Config change would result in a reboot.
- Show all sources on Remote page. Inactive sources are shown in gray color.
- Increased LWCP connection limit on port 4040. New limit is 10 connections.
- Restoring Configuration doesn't need reboot for most items.
- Added studio selector to remote control.
- New control options for V-Mixer GPIO control: Toggle, Radio.
- Log multicast querier change.
- Added international dialing '+' key. Press and hold '0' with empty dialing string for 1 second to enter '+'.
- Show Profile "NONE" visibility setting.
- Indicate busy sources in source list.
- Fix icon for Panorama to be same as Balance, also use full name for Panorama, do not abbreviate to PANO in menu.
- Move EQ out of processing block and allow it for all source types, change channel menu accordingly.
- Added source unload support (Multicast LWCP command "UNLOAD LwCH#<psid><options>"). Livewire Surround and Backfeed sources can be configured as inputs and loaded on console.

Bug Fixes

- Fixed phone settings longer than 15 characters. Current limit is 31 characters and is same for web UI and code.
- Fixed AES digital output stream description to indicate Professional not Consumer stream.
- Fixed DST processing.
- Fixed meter settings getting lost after reboot.
- Fixed source loading through show profile if no free Livewire slots are left, implemented using two-step profile load where first sources are unloaded and then new set is loaded.
- Fixed source presentation in Changes.
- Fixed retain not processed correctly in changes.
- Improved start-up performance in case of large number of sources configured.
- Fixed Auto backfeed title in source profile config. 'Program1' -> 'Program 1'.
- HTTP processing fixes.
- Do not change low output on config restore if it is used by backfeed.
- Fix web interface dyn trim gain limits.
- Fix V-mix selection on V-mode.

AES67 Compatibility

- Added Low Latency 1ms packets option for transmit. Packet timestamp indicates instant of a first sample.
- Detect and support 16-bit mode and number of channels from 1 to 8 in receiver. 16-bit source type that forces Rx to 16-bit.
- Added ability to configure source to receive surround Livewire stream.
- Added ability to configure source to receive on arbitrary multicast address in 239.0.0.0/8 range.
- Timestamp based RX. Incoming packets hardware time-stamping.
- Ability to receive unicast streams.
- Added ability to configure source for SIP URI. SIP client implemented for unicast Rx streams. PTPv2 sync.
- New Sync settings / status web UI. RTP extension support.
- Multicast receiver works by IP address not MAC.
- SDP for output streams available on web UI.
- Fragmented IP packets are detected. No support for fragmented audio streams.
- Set DF bit on outgoing packets.
- DNS-SD discovery of SIP URI sources.

Release Notes – v2.0.0.22

- Fixes possible unreliable connections to Telos VX phone system.
- Implements proper operation of “Next” key command when using Telos iQ6 phone system.
- Implements proper operation of Record Key GPIO trigger.

Release Notes – v2.0.0.2

- Combines support for iQ, Radius, DESQ and RAQ consoles into a single version file.
- Various stability improvements and optimizations.
- Adds Microphone Dynamics Processing.
- Adds Audio Delay for 4 channels.
- Fader Soft-key now sends “Next” command to faders with PC sources loaded.
- Fader gain control is now enabled from Remote.
- Options/IP screen redesign includes Clock setting controls.
- Fader Soft key now illuminates if its function is active.
- Source EQ can now be applied if Live EQ controls are active, even if EQ was not enabled in the Source Profile.
- RAQ/DESQ source allocation fixed for twin studios (two surfaces controlling a single QOR).
- Optimized Show Profiles no longer saves unused channels to file / backup.
- Timer GPIO fixed.
- Factory Reset command formats flash memory to remove all user settings.
- Monitor Source name now displays properly.
- GPIO button function for Record Mode key enabled.
- Remote page monitor section redesign.
- Fader trim gain function changed to input trim gain.
- New GPIO signaling for Phone source type added.
- Brightness control for OLED meters added.
- Console displays can be set to dim after a user-configurable time of inactivity.
- Improved Daylight Savings Time configuration includes presets for Europe and USA.
- Backfeed stream mode can be changed; can now be set to Standard Stereo for IP-Audio Driver compatibility.
- Locks have been added to Show Profiles for each fader channel assignment.
- BBC-PPM metering option added.
- Various other minor adjustments.

Release Notes – v1.1.0.38

- Support for RAQ & DESQ consoles

Release Notes - v1.0.10.31

- Added option to switch between 8x8 and 12x4 Livewire gateway. Located on Customize page, requires reboot.
- OLED (iQ) clock redesign, option to show seconds, option to show date. Requires overbridge firmware 5.14 or greater.
- Optimized code for smaller image size.
- Actual number of fader channels are now represented in Source and Show Profile configuration pages.
- Better NTP status reporting on web page.
- Changed fast clock port to be 5004 instead of 7000. Resolves other network device lock ups when QOR is source of master clock.
- Recovered AES clock is disabled.
- Empty studio is allowed in phone configuration.
- Phone seize is now hybrid specific, call is placed on correct hybrid.
- Resolved logic for when Talk to Backfeeds is locked out; it is impossible to turn off talk to studio if previously initiated.
- Improved iQ6 IP control support.
- Talk to Studio logic now correctly affects microphone accessory module.
- EQ window now displays correct gain labels.
- Resolved counter overflow which would cause iQ console lock-up.
- Resolved issue where EQ was unavailable in menu.
- Resolved Busy all function.
- Resolved HOLD function on soft key.
- Resolved issue not allowing the use of the same GPIO channel on both user buttons.
- Resolved issue where loading show profile while channel is ON could loose new source.
- Mute command added under Mute logic so Telos VX VSet Ringer will MUTE.
- Resolved miscellaneous clock problems.
- Call indications added to line buttons.

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