Quantum 1.6 Release Notes

New Features in Quantum 1.6:
- User-defined shade groups (in 1.5, each area always had four shade groups, and all shades of one type were in the same group)
- Activate/inactivate occupancy from a keypad or timeclock
- BACnet with user-defined BACnet ID's and activity reporting
- QS Grafik Eye with EcoSystem
- International seeTouch keypads
- The same timeclock can control outputs in multiple systems
- Added integration support to control/monitor scenes, zones, ballasts, powerpanel loads, QSG, output closures, and shades.
- Control individual zones from a timeclock
- Added scene and shade templates for QS keypads (non-IR, single-button-group US keypads only)
- Keypad input-closure sensors and programming

Quantum 1.6.51

Released 09/03/2009

System Operation
- Fixed issue: Requesting area device object ID through BACnet did not work (ID 21536).
- Fixed issue: Requesting device range through BACnet ignored range and returned all devices (ID 21492).
- Fixed issue: Quantum improperly reported unsupported object type (ID 21493).

Quantum 1.6.49

Released 08/13/2009

System Operation
- Enhanced Logging database clean up to reduce the size of the database but still keep the critical data.

Quantum 1.6.45

Released 08/09/2009

System Operation
- Fixed Issue: Zones that are set to unaffected in area scenes were turning off from EcoSystem wall controls.

Quantum 1.6.43

Released 07/29/2009

Q-Design
- Fixed Issue: Changing programming model from button-by-button to manual does not work for more than one device unless you toggle between Design screen and Set Up Areas screen each time.
- Fixed Issue: Q-Design crashes when updating processor OS on a large system.

Q-Admin
- Fixed Issue: Scene status not updating correctly. The lights still go to the commanded scene but Q-Admin may display a different scene.
- Fixed Issue: Q-Admin crashes when user clicks "Expand All" in the diagnostics screen.

- Fixed Issue: If you delete a zone in the scene configuration scene then change to another scene, when you change back to the original scene Q-Admin will crash.
- Fixed Issue: Q-Admin crashes if you disconnect the processor NIC during processor upgrade.
- Fixed Issue: If you publish a bad floorplan file it crashes Q-Admin and there is no way to republish a good floorplan file.
- Fixed Issue: Q-Admin would freeze when attempting to upgrade more than one set of DBI's at a time
- Fixed Issue: Q-Admin would crash when attempting to upgrade a DBI AND all of its ballasts at the same time.
- Fixed Issue: Runtime server crashed in the background while performing nonloadshedding power calculations.

System Operation
- Fixed Issue: After a transfer "After hours" is disabled and will not work until it is re-enabled.
- Fixed Issue: The processor debug commands OMXLD, OMXCA and OMXCA2 no longer worked in telnet.

Update Device Firmware:
- 512 Grafik Eye version 3.40 - Fixed issue: Occupancy state is reversed for QSG-Eco

Quantum 1.6.41

Released 6/26/2009 by Karen Oertner and Samer Adra

Q-Update
- Fixed issue: Q-Update now reports database conversion progress correctly.

Q-Admin
- Fixed issue: Timeclock events were not getting transferred in some cases (such as when they controlled an area scene that had no zones).

System Operation
- Critical update to resolve processor resetting.
- Added protection to prevent possible processor resets after transfer.
- Added additional error logging to make troubleshooting easier.
- System now gracefully recovers from resets caused by "DMA error."

Quantum 1.6.39

Released 6/25/2009 by Karen Oertner

Q-Design
- Changed build to work on 64bit machines so we no longer need to convert in the field
- Fixed Issue: IR remotes were reversed in Q-Design (MIR-ITFS and C-FLRC).
- Fixed Issue: EcoSystem wall controls that were moved between areas would still control ballasts in the old area.
- Enabled cancel button on transfer pop-up during processor querying.
- Fixed Issue: Crash when cut/paste areas on the Floorplan Screen
- Fixed Issue: Setting Daylighting Target Level in Nighttime Commissioning doesn't work
- Fixed Issue: Crash when attempting to move switch legs with Eco wall controls

Q-Admin
- Changed build to work on 64bit machines so we no longer need to convert in the field
- Fixed Issue: Fatal crash while editing after hours time outs

System Operation
- Fixed Issue: Processor can now recover from failed cleanmem operations when transferring.

- Fixed Issue: Area scene monitoring was not updating in Q-Admin.
- Fixed Issue: Shade levels not updating in Q-Admin.
- Fixed Issue: Shades in a shade group getting out of synch after raise/lowers
- Fixed Issue: Added logging to troubleshoot memory-related errors.
- Fixed Issue: Daylighting was not getting initialized properly after a database transfer
- Fixed Issue: During a transfer of a large database, the omx link could reset and cause the entire processor to reset.
- Fixed Issue: Area Scene 1 sending XPJ to off and Eco ballasts to low end.

Updated Device Firmware:

Ballast code 4.9
- Fixed Issue: Fixed a bug that caused intermittent flashing due to how the PWM output duty cycle was set up in the interrupt.
- Fixed Issue: Fixed a bug that caused the driver to flash when powering on with 3-wire on a 277V link.
- Note: this release supports hardware revisions 0x02 and later

QS Keypad 2.31
- Fixed Issue: Button LED's were turning off a few seconds after being pressed.

Quantum 1.6.31

Released 5/6/2009 by Samer Adra

Q-Design
- Fixed Issue: Control Station Device are not updated in case if user move the control station between areas
- Fixed Issue: Shade preset screen not scrolling properly and Shade preset grid width

Q-Admin
- Fixed Issue: Clicking Report tab sometimes throws fatal exception
- Fixed Issue: Area column in select area popup of reports is not resizable
- Fixed Issue: Define Special Events screen displays wrong selection
- Fixed Issue: Running lamp maintenance report, area column is cut off
- Fixed Issue: Daylight commissioning sometimes hides sensors or shows as not responding in the Set Sensor Feedback screen.
- Fixed Issue: A server set to allow clients does not allow Q-Runtime to start if the "corporate/client" network is disconnected...

System Operation
- Fixed issue: When editing time clock events processor would sometimes reset.
- Fixed issue: Dependent occupancy doesn't work properly when dependent on after-hours area.
- Fixed issue: Afterhours time out can not be enabled unless there is a transfer
- Fixed issue: Occupancy current status toggles sporadically between occupied, disabled and unknown
- Fixed issue: Non-visible levels in presets or goto level commands were causing a problem with QSG daylighting.
- Fixed issue: Processors keep resetting
- Added ability to update QS devices from telnet.
- We are now saving a stack trace when we have a processor exception.

Updated Device Firmware:

Shade 0.46
- Fixes problems in calculating travel time from percent where shades would report 1 sec of motion when stopped.

Grafik Eye 2.70

- Added multi holidays
- Fixed issue: Time clock and date don't default after an OOB
- Fixed issue: Changing from Unaffected to Min level does not flash lights anymore
- Fixed issue: Changes to make the QSG capable of successfully operating in a saturated (throughput) link.
- Fixed issue: Removed entry (Reset All) from EcoSystem menu
- Fixed issue: Triac loads now flash and update real time during eco sensor setup
- Fixed issue: Fixed and improved daylighting setup in EcoSystem
- Fixed issue: Loads connected to Triac will be off if zone set as EcoSystem
- Fixed issue: Daughter board boot code reported on code rev screen (even if only boot on DB)
- Added support for EcoSystem zones and PC mode presets
- Energy savings more accurate
- Removed HE and LE trim settings for Eco zone
- Unaffected zones can be set from normal mode (previously it was only through programming mode)
- Fixed issue with HE and LE trims not resetting to old values when backing out of the screen and not saving
- Reports target levels when requesting zone controller component

Quantum 1.6.29

Released 5/6/2009 by Samer Adra

New tool (Q-Update) to convert databases.

Q-Design

- Change time to live for network to 32
- Fixed Issue:Setting Daylighting Target Level in Nighttime Commissioning Doesn't Work
- Fixed Issue:Deleting areas in Q-Design not reflected in timeclock
- Fixed Issue:A few systems are ignored during processor update process.

Q-Admin

- Change time to live for network to 32
- Added Grafik Eye to Timeclock outputs combobox
- Fixed Issue:Q-Admin freezes during partial transfer if not all processors present
- Fixed Issue:A few systems are ignored during processor update process.
- Fixed Issue:Running the power usage report in Q-Admin for more than 11 areas crashed Q-Admin
- Fixed Issue:Export of blank report crashes Q-Admin
- Fixed Issue:Q-Admin crashes on time clock deletion

System Operation

- Changed daylighting to have a 0 second fade.
- Fixed Issue:daylighting problem with QSG
- Added ability for EcoKeypads to be updated by scene changes
- Added ability to raise and lower while in daylighting for ballasts and power panel
- Fixed problem of once an area's occupancy goes to unknown, when occupancy sensors return the areas
- evaluation does not get reevaluated properly until all occupancy sensors go to unoccupied.
- Fix issue where ballast emergency level gets set to unaffected after transfer.

Updated Device Firmware:

DBI 7.9
Ballasts unchanged (highest rev 4.6)
256k QS Grafik Eye 2.68

QSE-IO 2.00
QS Keypad 2.30
QSE-NWK 6.31
QS Shade 0.45 (unchanged)
QS Shade Power Panel 0.2B (unchanged)