TotalControl Release Notes

Revision Z

These notes cover new features and enhancements to all components of TotalControl Design Studio and TotalControl Building Services.

Version 4.6.0.25 (patch): Released 29 May 2026

Note: This patch can be applied to TotalControl version 4.6.0.24 (or higher) only.

Software corrections

- Unchecking a trend in the DS Live Trend Viewer no longer reverses the toggle state of that trend.
- An issue that caused the TC Web menu bar to disappear or turn vertical when creating a new user has been resolved.
- Object names are no longer accepted as blank when exporting objects.
- Cloning a BND no longer causes the original BND to generate errors when Design Studio is restarted.
- When dragging and dropping multiple devices to Resource Manager from a service or network, the progress bar dialog now remains visible for the full duration of the backup operation.
- Corrected an issue where saving changes to a BND could cause the device's firmware revision to display as X.X.X.X, preventing program objects from compiling.
- Device backups no longer fail when the device does not have the Status Flags property.
- The TC Web Schedule Viewer now loads correctly.
- Restored the OPC feature string so that the feature list displays correctly when an OPC feature is present in the hardware key.

Version 4.6.0.24: Released 20 March 2026

Note: Support for Windows operating systems older than Windows 10 and Windows Server 2016 has been discontinued. Please verify that your system meets the minimum OS requirement before upgrading. Purchase is required for all site keys.

New features

- Added support for current KMC device models including TrueFit AMD, Generation 6 Conquest, and the BAC-5971 series.
- A new Touchscreen Designer tool is now included for configuring KMC touchscreen devices, including the Conquest FlexStat and BAC-5971 series controllers.
- Three new visual themes are available in Design Studio: Dusk, Smooth, and Classic, allowing users to customize the look and feel of the application interface.
- Introduced BNDx, a new human-readable and exchangeable, JSON-based format for BACnet device configuration backups.
- Alarm notification emails sent through Gmail now support OAuth authentication, providing a more secure alternative to basic password authentication.

- A New Features popup now appears on the first launch after an upgrade to highlight what has changed in the current version.
- When upgrading device firmware, the Firmware Upgrade Manager now automatically selects the latest firmware version available on the local machine for the selected device type.

Enhancements

- Full interchangeability between alike Gen 5 and Gen 6 KMC Conquest models is now supported.
- Right-clicking in the Network Manager now provides Expand All and Collapse All options scoped to the network or device level, making it easier to navigate large sites.
- Copy and paste support in the Output Window has been improved, making it easier to capture and share diagnostic messages.
- Rendering performance for complex graphical pages has been significantly improved. Pages with large numbers of bound and static elements that previously caused high CPU utilization now render smoothly.
- Animation rotation is now applied correctly when graphic pages are published to the Web Portal.
- Dynamic Text elements now render bottom and right borders correctly when displayed on graphic pages.
- Publishing a Dynamic Text element without a background no longer creates an extra transparent image file. Republishing existing pages is recommended to apply this improvement.
- KMD System Group values in the Web Portal now update immediately after a point is written, eliminating a brief delay where the previous value could briefly reappear.
- Alarm routing now handles user, email, and notification class data consistently, resolving differences in behavior that occurred during error conditions.
- An intermittent issue that caused the Web Portal to repeatedly log users out shortly after signing in has been resolved.
- An issue that could incorrectly disable Trend Log (TL) and Trend Log Multiple (TLM) objects when a non-trend object with a matching instance number was deleted has been corrected.

Software corrections

- TotalControl and KMC Connect no longer attempt to write the BACnet Property List property to Conquest devices running firmware R1.7.0.8 or later, preventing unnecessary write errors.
- Exporting Conquest device configurations no longer fails when the device name contains special characters such as the vertical bar symbol (|).
- Several issues that caused unnecessary failures during the firmware upgrade process have been resolved.
- Multiple issues in firmware update block verification have been corrected.
- The configuration form for EnOcean Sensor Objects now displays the correct form in the Resource Manager.
- The CondensateRightElbowDown element in the graphic library now displays correctly.
- Error handling for graphic elements using Read Property Multiple has been improved to prevent display failures when unexpected data is received.
- Format strings containing double quotation marks are now handled correctly on graphic pages.
- An issue in the BND file export process for older FlexStat models has been resolved.
- A Telerik web component security update has been applied (CVE-2025-3600). For additional details, refer to Technical Bulletin TB250527, “Patch to Resolve Security Vulnerability.”

Removed features

- Support for OPC has been removed from TotalControl.
- The Building Controller Web UI is no longer supported.
- Adobe Flash support has been removed. All graphic pages now render exclusively in HTML5.

Version 4.5.3.24 (patch): Released 23 March 2026

Note: This patch can be applied to TotalControl version 4.5.3.15 (or higher) only.

Enhancements

- Updated BACnet device knowledgebase to support newly released KMC device models.
- Timed Overrides with durations longer than 49 days are now supported. The override timer re-evaluates every 24 hours to accommodate the extended duration.
- Drag and drop operations between devices now prevent incompatible UI objects and configurations from being written across devices that are not fully compatible.

Software corrections

- Animation rotation is now applied correctly when graphic pages are published.
- An issue that could incorrectly disable Trend Log (TL) and Trend Log Multiple (TLM) objects when a non-trend object with a matching instance number was deleted has been corrected.
- KMD System Group values displayed in the Web Portal now update immediately after a point is written, eliminating a brief delay where the previous value could briefly reappear.
- Corrected an issue in Timed Override evaluation where the date component of the end time was not considered when the end time preceded the start time.
- Corrected an issue in the Schedule Manager that caused an “un-representable date” error when the current week started on the first or ended on the last day of the month.
- Corrected a reference exception in System Group evaluation in the KMD Service.
- Corrected an issue that caused communication errors to prevent Timed Overrides from starting or stopping correctly.

For release notes of previous versions, see previous revisions of this document.