



RELEASE NOTES

VERSION 4.4.0.0

20th March 2025

What's New?

New Features

Export Capabilities for On-Screen Display (OSD) and Terminal console:

The output methods, including Diagram, Histogram, Tables, and Terminal Console data, can now be exported in Excel, Word, PDF, and PNG formats for improved reporting and analysis. Large displays can also be saved as PNG, Word, or PDF files, ensuring the preservation of visual fidelity.

Advanced Diagram & Histogram Features:

- **Range Marking:** Highlight and analyse specific data ranges with Min, Max, and Difference values.
- **Cursor Information:** Hover over data points to see detailed tooltips.
- **Zoom & Panning:** Effortlessly navigate and focus on specific chart areas.
- **Filters:** Use Gradient and Area Under Curve filters for richer data visualizations.
- **Trendlines:** Add Linear, Exponential, Power, Moving Average, and more to identify patterns.
- **Last Value Display:** Automatically show the last value of each series on the chart.
- **Start/Stop Button:** Control chart generation for precise measurements.
- **X-Axis Options:** Switch between Current Time and Run Time for tailored analysis.
- **Direct Chart Generation in Exports:** Generate Excel charts directly during exports for Histogram and Diagram methods. Charts in Word, PNG, and PDF formats retain high-quality visualizations.

Windows Service Integration:

- Manage balance connections and background operations via Windows service.
- Timer-triggered file recording, printer methods, and GDT integration.
- Activate, start, stop, and remove service with ease.
- Centralized and user-specific configuration options.

Device Instance Data Table:

- View and track device data (weight, PC details, timestamps).
- Advanced filtering (including seconds precision), sorting, and exporting options.
- Unified data view for multiple devices.

Light & Dark Themes:

- Toggle between light and dark themes in Simple and Expert modes.
- Consistent theme application across the entire interface.

Update Default devices settings:

- An option to update the device list using an XML file. This is used to update the default devices of the application whenever a new device list is released by KERN.

Bug Fixes

- **Error in Configuration Save:** Fixed saving issues for HL7 output method in BalanceConnection.
- **Freeze when switching modes:** Resolved application freeze when switching to expert mode.
- **Translation Bugs:** Corrected translation issues in the IP Properties windows.
- **Automatic Layout Issues:** Resolved layout change problems during language switching.
- **Overflow in Output Settings:** Fixed alignment and overflow issues in output settings at 100% scaling.

Improvisations

- **License-Specific Exports:** New export options for OSD are now available exclusively in PRO license mode.
- **Chart Enhancements:**
 - Ensured the chart diagram respects initial value units and converts others accordingly.
 - Included dropdowns for selecting default units in charts and histograms.
 - Improved CSV exports to include units in separate columns and split date/time into distinct cells.
 - Adjusted column widths and included weight units in separate columns for clarity in all export formats.
- **Expert Mode Improvements:**
 - Enhanced icon clarity and avoided blurry graphics.
 - Automatically switch from expert to simple mode when the demo period expires, with a license requirement prompt.
- **Device List Enhancements:**
 - Introduced sorting options in the device list window for easier navigation.
- **Password and Security Improvements:**
 - A button to view passwords temporarily while entering.
 - Displayed info boxes when passwords exceed 25 characters in length.
- **UI Enhancements:**
 - Improved alignment of buttons and controls, including adding Apply/Cancel buttons in forms like Input Creation, OSD settings, and trigger windows.
 - Adjusted layouts to be resizable diagonally, especially in simple mode.
- **Email Attachments:** Contains the text for attaching configurations and logs to support emails.
- **License Integration:** Added EULA agreement display in the application.
- **Simple Mode Enhancements:** Added scroll options in Hex and Raw data viewers and labelled the mode name based on the selected theme.
- **Icon Update:** The icons in KERN BalanceConnection have been renovated for enhanced UI appeal and better user understandability.

This version should feel more exciting and customer-friendly, with icons and symbols highlighting key features. Feel free to share any feedback or questions at balanceconnection@kern-sohn.com, and enjoy the new KERN BalanceConnection experience!