



RELEASE NOTES

VERSION 4.3.0.0

12th July 2024

What's New?

New Features

Centralized Configuration Settings

The system now supports centralized configuration, enabling shared settings across all users for consistent behaviour and ease of management.

- **Key Features:**
 - Store configurations in a shared folder accessible by all system users (administrators and normal users).
 - Admin-only options to enable and lock configurations to prevent user modifications.
 - Separate shared folder recommendations for configuration and output-related files to avoid permission conflicts.
- **Functionality:**
 - Configuration managed via a new menu: Settings > Manage Settings.
 - Options include browsing for the shared folder, enabling centralized settings, and applying configurations system-wide.
- **Enhanced User Experience:**
 - Normal users experience either read-only or unlocked settings based on admin preferences.
 - Seamless integration with output methods like Excel, File Recording, and Printer.

ANY CPU Upgradation

KERN Balance Connection now supports "ANY CPU" architecture, ensuring compatibility with both 32-bit and 64-bit systems.

- **Benefits:**
 - Improved performance and compatibility across a wide range of hardware.
 - Enhanced security and adaptability to modern technological advancements.

DPI Mode Integration

Improved interface scaling with DPI support ensures consistent visual quality and usability across different screen resolutions and pixel densities.

- **Key Advantages:**
 - Consistent and professional appearance on all devices.
 - Enhanced accessibility for users with visual impairments.

Excel Integration Enhancements

Optimized handling of multiple Excel operations within command sequences.

- **New Features:**
 - Introduction of an Excel Instance ID to manage multiple Excel operations seamlessly.
 - Enhanced UI with an ExcelInstanceID Field for precise mapping of operations.
- **Improved Workflow:**
 - Excel operations (Open, Close, Save, Set Cell Values) now function smoothly, even under non-Excel triggers.
 - Logical automation to create and delete Excel Instance IDs dynamically based on user-defined operations.

Bug Fixes

Translation Issues

- Fixed translation bugs across multiple forms, including headers and labels in Expert Mode and Device Setup settings.
- Resolved language update issues in the Expert Form and OSD container without requiring an application restart.
- Corrected translation issues in table headers for defining command sequences.

Configuration and Mode Switching

- Fixed an issue where device type properties and protocols were not updated correctly during mode and configuration switches.
- Resolved problems with restored configurations not reflecting updated protocols.
- Addressed issues where toggles only changed text colour instead of reflecting an actual on/off state.

UI and Layout Fixes

- Resolved alignment and overflow issues in Output Settings at 100% scaling.
- Fixed layouts change problems during language switching, ensuring the application maintains proper UI alignment.
- Addressed histogram and chart rendering issues when reopening the OSD container.
- Corrected behaviour of collapsible group boxes in Simple Mode for better usability.

Data Output and Excel Issues

- Fixed errors in saving and displaying data in the Excel output method.
- Resolved protocol display inconsistencies in Device Instances and Microsoft Store builds.

Validation and Logic Errors

- Implemented validation for timer settings to ensure the start time is not greater than the end time in Trigger Settings.
- Resolved command sequence execution errors due to missing or misconfigured settings.

Improvisations

Improved Localization and Usability

- Enabled dynamic language switching in settings and menus without requiring an application restart.
- Updated UI text, font colour, and button backgrounds for better clarity and consistency across the application.

Device List and Configuration Improvements

- Added sorting options for the Device List, including default, user-defined, and all types.
- Introduced "Load Default Devices" functionality to simplify device setup.

Output and Data Handling Enhancements

- Added millisecond filter naming for better output configuration.
- Paused OSD methods automatically when the OSD window is closed.

Expert Mode Enhancements

- Enhanced the usability of the Lock button in Expert Mode, including admin accessibility for forgotten passwords.
- Please contact KERN if you have forgotten your password.
- Improved icons for better clarity and functionality in Expert Mode.

License and Demo Period Updates

- Extended the demo version period from 10 to 30 days.
- Updated license detection to ensure compatibility with older versions.
- Removed unnecessary telephone numbers from the license form for better clarity.

Feel free to share any feedback or questions at balanceconnection@kern-sohn.com, and enjoy the new KERN BalanceConnection experience!