**v8.1.6 xx/07/2025**CTecControls v1.5.25, CTecDevices v1.3.20, CTecFtdi v1.3.2, CTecUtil v1.5.21

- Moved Revision History (this document) from the main menu to the About box.

**v8.1.5 28/07/2025**CTecControls v1.5.25, CTecDevices v1.3.20, CTecFtdi v1.3.2, CTecUtil v1.5.21

- The panel upload has been refined so that duplicate data items are not sent.

- The Validation Window now correctly reports multiple errors on a page instead of only one.

- The device count is now always correct after changing protocol when downloading from a panel or reading from a file.

- Errors with the Causes & Effects page not updating after downloading or reading from file have been fixed.

**v8.1.4 09/07/2025**CTecControls v1.5.24, CTecDevices v1.3.20, CTecFtdi v1.3.2, CTecUtil v1.5.20

- Groups page: Phased Delay can now be disabled by setting it to “--:--“.

- Corrected erroneous validation errors in Causes & Effects for Output disable actions when set to Relay #3 and for group parameters when set to Group #16.

- When reading from a file, any invalid device I/O Configuration Input/Output setting will be set to the default value.

**v8.1.3 07/07/2025**CTecControls v1.5.23, CTecDevices v1.3.18, CTecFtdi v1.3.2, CTecUtil v1.5.19

- Various fixes on the Causes and effects page have been made to ensure that the drop-down lists behave correctly in all circumstances, i.e. when reading from file and from a panel, after editing the Device Details pages, and when the app language is changed.

- Some of the validation error boxes in the Device Info Panel and on the Causes and Effects page have been corrected.

- The app notification pop-up now correctly indicates when comms has failed instead of just saying it had completed).

- If an interruption occurs whilst the application config file is being written the result could be an empty file. That would cause a fault next time it was read. The app will now handle an empty file correctly.

**v8.1.2 04/06/2025**CTecControls v1.5.23, CTecDevices v1.3.18, CTecFtdi v1.3.2, CTecUtil v1.5.18

- The Device Details page now shows dashes for all values that are not applicable to the device type.

- The Device Details page now hides the base sounder group if Remote LED is selected (Apollo devices).

- The on-screen values in Zones, Groups and Network Configuration are updated straight away when data is read from a panel.

- Causes and Effects settings are consistently read correctly both from panels and files.

- Windows app notifications are shown after each upload and download, indicating completion or otherwise.

- The app will not attempt to open files containing invalid data or data for unsupported protocols.

- The app will not send more loops to a panel than it is configured for. This includes a correction that prevents the number of loops from being forgotten when reading a config file.

**v8.1.1 21/05/2025**CTecControls v1.5.21, CTecDevices v1.3.18, CTecFtdi v1.3.2, CTecUtil v1.5.17

- The Device Details page now shows dashes for all values that are not applicable to the device type.

- The on-screen values in Zones, Groups and Network Configuration are updated straight away when data is read from a panel.

- A base sounder group can no longer be set for a XP95/S90 I/O Unit.

- Fix: the app will not send more loops to a panel than it is configured for.

**v8.1.0 14/04/2025**CTecControls v1.5.20, CTecDevices v1.3.17, CTecFtdi v1.3.2, CTecUtil v1.5.15

- Moved the Site Configuration details that are non-global to per-panel settings.

- A new Revision History viewer has been added to the Help menu.

- Added the Engineer No. field to the Site Configuration page; it was missing from previous versions.

- The app will now start up on the current screen if its last saved location was on a screen that is no longer physically present.

- XFP Programming Tools now targets .NET9.

- Corrected the detection of the protocol when downloading from a panel or opening files.

- Corrected validation of device volume settings.

- Corrected handling of empty day/night zone dependencies.

- Corrected panel name errors in Network Configuration.

**v8.0.12 05/02/2025**CTecControls v1.5.18, CTecDevices v1.3.15, CTecFtdi v1.3.2, CTecUtil v1.5.13

- A new View Comms Log feature has been added to the main menu under View. This displays logs of recent panel uploads/downloads per app session. The logs are retained for 30 days; there is the option to save to a text file.

- Groups Configuration: corrected parsing of the Phased Delay value.

**v8.0.10 17/01/2025**CTecControls v1.5.17, CTecDevices v1.3.15, CTecFtdi v1.3.2, CTecUtil v1.5.11

- Recent Files list updates correctly on-screen when files are removed or are added to an empty list.

**v8.0.9 03/01/2025**CTecControls v1.5.15, CTecDevices v1.3.14, CTecFtdi v1.3.2, CTecUtil v1.5.10

- Minimum zoom level is no longer so tiny as to be unusable.

**v8.0.8 17/12/2024**CTecControls v1.5.14, CTecDevices v1.3.14, CTecFtdi v1.3.2, CTecUtil v1.5.9

- Issue on startup under Windows 11 fixed.

**v8.0.6 13/12/2024**CTecControls v1.5.14, CTecDevices v1.3.14, CTecFtdi v1.3.2, CTecUtil v1.5.7

- Corrected Zone Config’s Zone/Panel names and Network Config’s Panel names being offset with respect to their index when uploaded to panel.

- Message boxes and the upload/download progress window are now scaled to match the parent window’s zoom level.

**v8.0.5 22/11/2024**CTecControls v1.5.13, CTecDevices v1.3.12, CTecFtdi v1.3.2, CTecUtil v1.5.5

- Downgraded libraries to .NET 6 owing to an issue with comms in the Quantec Pro Tools app.

**v8.0.3 08/10/2024**CTecControls v1.5.9, CTecDevices v1.3.9, CTecFtdi v1.3.1, CTecUtil v1.5.2

- The Event Log Viewer now goes into pause mode if the user changes to another page.

- Fixed an error in Event Log Viewer that occurs in Windows 11.

**v8.0.2 07/10/2024**CTecControls v1.5.8, CTecDevices v1.3.8, CTecFtdi v1.3.1, CTecUtil v1.5.2

- The Panel Location item on the Site Configuration page has been moved to the Network Configuration page, with a location for each panel.

- The Event Log Viewer is now operational.

- A fault has been fixed that prevented opening a file containing devices for a protocol other than the current one.

- Prevent crash when changing ports, especially to a different type of panel.

**v8.0.0 21/08/2024**CTecControls v1.5.4, CTecDevices v1.3.4, CTecFtdi v1.3.1, CTecUtil v1.5.0

- Amended styles for data grids and message boxes.

- Amended Sensitivity descriptions for CAST Pro devices.

**v7.2.3 02/08/2024**CTecControls v1.5.3, CTecDevices v1.3.3, CTecFtdi v1.3.1, CTecUtil v1.4.3

- Groups, Sets and Causes & Effects pages: corrected default values.

- A COM port issue that could prevent the app from exiting is now handled.

- Added ability for message boxes to show exception details.

**v7.2.2 08/07/2024**CTecControls v1.5.2, CTecDevices v1.3.2, CTecFtdi v1.3.1, CTecUtil v1.4.2

- The app now handles datasets for multiple panels. When data is read from a device or file it is added to the existing data set in its respective panel position, optionally preserving any pre-existing panel data relating to other panels. A Panel Management pop-up has been added for adding/removing panels.

- NumberSpinner control: added NumberSet property, that defines the set of valid values for the case when the valid values are not consecutive, and the ability to show the total number in the set.

- Number lists are now formatted in a number-range style, e.g. “1-3,6,8-10” instead of "1,2,3,6,8,9,10”.

**v7.2.1 16/05/2024**CTecControls v1.5.1, CTecDevices v1.3.1, CTecFtdi v1.3.1, CTecUtil v1.4.1

- Updated to target .NET 8.0.

**v7.1.7 24/04/2024**CTecControls v1.4.21, CTecDevices v1.2.3, CTecFtdi v1.2.3, CTecUtil v1.3.19

- Show “n/a” for the number of loops in the Info popup if no panel is connected.

- Device Details: the default alarm verification counts are now 1.

- Menu options’ ToolTip text is now refreshed on change of language.

- The facility to write to the Windows Event Log has been added.

**v7.1.6 24/04/2024**CTecControls v1.4.20, CTecDevices v1.2.3, CTecFtdi v1.2.3, CTecUtil v1.3.18

- Default device sensitivity is now 100, not 75.

- If Remote LED is enabled the Auxiliary Base Sounder Group option is disabled.

**v7.1.3 21/03/2024**CTecControls v1.4.20, CTecDevices v1.2.2, CTecFtdi v1.2.3, CTecUtil v1.3.17

- Added Group and Volume settings to CAST PRO devices with sounders.

**v7.1.1 14/03/2024**CTecControls v1.4.19, CTecDevices v1.2.1, CTecFtdi v1.2.3, CTecUtil v1.3.17

- Fixed a fault that could occur when changing to Apollo protocol.

**v7.1.0 13/03/2024**CTecControls v1.4.18, CTecDevices v1.2.0, CTecFtdi v1.2.3, CTecUtil v1.3.17

- Default DeviceData day/night modes are now set according to the device type, and are set to default values when a device is changed or added.

- The modes menus are now updated correctly when the device selection changes and when the culture is changed.

- Zone validation now correctly reports if the total delay time is too long.

**v7.0.10 12/03/2024**CTecControls v1.4.18, CTecDevices v1.1.12, CTecFtdi v1.2.3, CTecUtil v1.3.17

- Support for CAST PRO devices has been added.

- Causes and Effects panel download error has been fixed where the Reset Type was being decoded incorrectly.

- The TimePicker control can now show “--:--“ to indicate Never.

**v7.0.9 29/01/2024**CTecControls v1.4.17, CTecDevices v1.1.11, CTecFtdi v1.2.3, CTecUtil v1.3.16

- Default device I/O settings have been implemented where applicable; this corrects the input/output and channel settings across different device types for both CAST and Apollo.

**v7.0.8 29/01/2024**CTecControls v1.4.16, CTecDevices v1.1.10, CTecFtdi v1.2.3, CTecUtil v1.3.15

- The filename in the status bar is now unchanged if the selected file fails to open; the correct message when attempting to open a non-existent file is shown; also the option to remove it from the Recent Files list is given.

- Fixed a panel download error where the Cause and Effect Reset Type was decoded incorrectly.

- Importing from a .xfp file now correctly sets device Volume settings and handles empty Cause & Effect values.

**v7.0.6 29/01/2024**CTecControls v1.4.15, CTecDevices v1.1.9, CTecFtdi v1.2.3, CTecUtil v1.3.13

- Support for Apollo panels has been added.

- Download/upload current page now only requests/sends the current loop; this is reflected in the text below the buttons; downloading/uploading loops distinguishes them correctly.

- Warnings are shown if the connected panel does not have the same number of loops as the on-screen settings.

- Zone names in the drop-down menus on the devices pages now show the zone number plus the name if it has been changed from the default.

- Not-fitted devices are now shown as “--” in device list menus on the Causes and Effects page.

- The app’s start-up time has been improved.

- A Disconnect option has been added to the Serial port settings menu.

- Corrected the TimePicker control so that its time format now reflects a change of language.

**v7.0.5 10/10/2023**CTecControls v1.4.14, CTecDevices v1.1.8, CTecFtdi v1.2.3, CTecUtil v1.3.12

- First release to the MS Store.