# **XFP Tools Revision History**

## **05/02/2025 XFP v8.0.12**

CTecControls v1.5.18, CTecDevices v1.3.15, CTecFtdi v1.3.2, CTecUtil v1.5.13

* Bug fix for error on viewing Comms Log before any have been created.

## **30/02/2025 XFP v8.0.11**

CTecControls v1.5.18, CTecDevices v1.3.15, CTecFtdi v1.3.2, CTecUtil v1.5.12

* Groups Configuration: corrected parsing of the Phased Delay value: 0xffff is now interpreted as zero instead of 12:15.
* Causes and Effects: the number of devices shown in drop-down lists has been increased to make the scrollbar handle larger so that it can be more easily used.
* 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. If the app is in Debug mode (via ctrl-shift-alt-U) more information will be displayed in the log, including the data bytes sent/received.

## **17/01/2025 XFP v8.0.10**

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.
* Added Last Download Log viewer window.
* Small amendments to text resources.

## **16/01/2025 XFP v8.0.9**

CTecControls v1.5.16, CTecDevices v1.3.15, CTecFtdi v1.3.2, CTecUtil v1.5.11

* Added CommsLog icon type.
* Added new classes for logging.

## **03/01/2025 XFP v8.0.9**

CTecControls v1.5.15, CTecDevices v1.3.14, CTecFtdi v1.3.2, CTecUtil v1.5.10

* Minimum zoom level is not as tiny.
* Corrected displaying of Panel Management pop-up window.

## **17/12/2024 XFP v8.0.8**

CTecControls v1.5.14, CTecDevices v1.3.14, CTecFtdi v1.3.2, CTecUtil v1.5.9

* Issue on startup under Win11 fixed.

## **16/12/2024 XFP v8.0.7**

CTecControls v1.5.14, CTecDevices v1.3.14, CTecFtdi v1.3.2, CTecUtil v1.5.8

* Fix for app config file issue.

## **13/12/2024 XFP v8.0.6**

CTecControls v1.5.14, CTecDevices v1.3.14, CTecFtdi v1.3.2, CTecUtil v1.5.7

* Corrected Zone Config’s Zone/Panel names being offset with respect to their index on uploading to panel.
* Corrected Network Config’s Panel names being offset with respect to their index on uploading to panel.
* Corrected panel descriptions in the Network Config verification error messages.
* Corrected spurious error indication when setting a device’s group to #16.
* Message boxes are now scaled to match the parent window’s zoom level.
* Added pop-up notifications.
* The upload/download progress window is now scaled to match the parent window’s zoom level.

## **22/11/2024 XFP v8.0.5**

CTecControls v1.5.13, CTecDevices v1.3.12, CTecFtdi v1.3.2, CTecUtil v1.5.5

* Corrected spurious error indication when setting a device’s zone to 32.
* COM Port list is sorted numerically instead of alphabetically.
* Event Log viewer: user input in the text panel is disabled.
* Some icons have been updated and new ones added.
* Panel pinging ceases when there is an active upload/download.
* Tweaks to upload/download progress bar.
* Downgraded libraries to .NET 6 owing to an issue with comms in the Quantec app.

## **14/10/2024 XFP v8.0.4**

CTecControls v1.5.10, CTecDevices v1.3.10, CTecFtdi v1.3.1, CTecUtil v1.5.2

* Changed the messages in Panel Management.
* Main screen input is now disabled during comms (as it used to be).
* Minor tweaks to styles, including centring the RadioButton’s dot.

## **08/10/2024 XFP v8.0.3**

CTecControls v1.5.9, CTecDevices v1.3.9, CTecFtdi v1.3.1, CTecUtil v1.5.2

* Put Event Log Viewer into Pause if it is running and the user changes to another page.
* Fixed an error that occurs in Windows 11 but not 10 (no longer calls UIState.SetBusyState in Event Log Viewer).

## **07/10/2024 XFP v8.0.2**

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 up/down arrows on the device and zone info panels have been removed.
* The title “Repeaters” has been removed from the Network Config page.
* A fault has been fixed that prevented opening a file containing devices for a protocol other than the current one.
* Multiple instances of the app can now be run.
* The confirmation message has been amended for the case where a panel has been removed via the Panel Management option.
* The Event Log Viewer is now operational.
* Several icons have been updated.
* Prevent crash when changing ports, especially to a different type of panel.
* An error message is now always shown in the event of a comms timeout.
* Corrected margins in comms progress window.

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| 10/09/2024 | | | | | |
| Quantec | **6.1.4** | CTecControls | **1.5.6** | CTecFtdi | **1.3.1** |
| XFP | **8.0.0-beta** | CTecDevices | **1.3.6** | CTecUtil | **1.5.1** |

### Quantec

* New version for the CTecDevices change.

### CTecControls

* Changed the Delete icon.

### CTecDevices

* Corrected Quantec IsZonalDevice check to return True for over-door lights.

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| 06/09/2024 | | | | | |
| Quantec | **6.1.3** | CTecControls | **1.5.5** | CTecFtdi | **1.3.1** |
| XFP | **8.0.0-beta** | CTecDevices | **1.3.5** | CTecUtil | **1.5.1** |

### Quantec

* Changed from QuantecII to QuantecPro Amended call to OnPropertyChanged for CurrentTime in the Site Config page to reflect new optional parameter in the ViewModelBase class.
* When exiting the app it sometimes appeared to freeze rather than close - this was because closing the com port hung. Now the app will only wait 3 seconds for the com port to close before the app is killed.
* Use classes in generic CTecUtil.StandardPanelDataTypes instead of QuantecPanelData.Bundles.
* General refactoring for compiler warnings.

### CTecControls

* Added handling for scrolling and ListViews.
* Amended control styles, particularly for DataPicker.

### CTecUtil

* Fixed bug in KeyEventArgIsAlphaNumeric
* [Printing]

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| 21/08/2024 | | | | | |
| Quantec | **6.1.2** | CTecControls | **1.5.4** | CTecFtdi | **1.3.1** |
| XFP | **8.0.0-beta** | CTecDevices | **1.3.4** | CTecUtil | **1.5.0** |

### XFP

* Moved classes in XfpPanelData.Bundles to generic CTecUtil.StandardPanelDataTypes classes.
* General refactoring for compiler warnings.

### CTecControls

* Amended styles for data grids and message boxes.
* General refactoring for compiler warnings.

### CTecDevices

* Amended Sensitivity descriptions for CAST Pro devices.

### CTecUtil

* Added StandardPanelDataTypes namespace for panels’ IndexedBoolean, TimeOfDay. Etc.
* Fixed bug in Date.ToByteArray for 4-digit years.
* Added config parameters for NodeSummary window (relevant to ZFP).
* General refactoring for compiler warnings.
* [Printing]

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| 02/08/2024 | | | | | |
| Quantec | **6.1.2** | CTecControls | **1.5.3** | CTecFtdi | **1.3.1** |
| XFP | **7.2.3** | CTecDevices | **1.3.3** | CTecUtil | **1.4.3** |

### XFP

* Devices page:
* IO config settings were not downloading/uploading correctly
* Zones page:
* Now handles null day/night values properly when selecting a panel item.
* Groups page:
* Corrected the default values for first 5 columns of zones and panels to be Evac, not Alert.
* Sets page:
* Corrected the default values for first 2 columns of zones and columns to be Continuous
* Corrected the default Silenceable settings so that panel relay set 1 is silenceable.
* Fixed an error where the panel values were overwriting the first 8 zones on screen. This made it appear that the zones were wrong, although the data behind was correct.
* A typo has been corrected which was parsing panel relay triggers incorrectly.
* Causes and Effects page:
* The default trigger and reset conditions are now implicitly True and False respectively, rather than null. This prevents annoying error boxes being shown when new triggers are added.
* Validation window – the following faults stemming from the new multi-panel mode have been fixed:
* Device IO settings
* Site Config errors & warnings were not shown.
* Zone item errors & warnings were not the correct colour.
* Zone panels were not being validated.
* The Network Configuration showed copies of the errors in all the other categories.
* The app can now open .xfp2 files that were saved in the older single panel data format.
* When exiting the app it sometimes froze instead of closing - this was because of a com port hang. Now the app will only wait 3 seconds for a com port response before the app is killed.
* Corrected send/receive error messagebox headers when not connected.
* [Corrected errors in Validation window]
* [Drag device type]
* [Disable CAST-Pro?]
* [Printing]

### CTecControls

* Added overload to CTecMessageBox to show exception details.
* Added optional parameter to OnPropertyChanged for the stack overflow guard.

### CTecDevices

* Some edits to string resources have been made.

### CTecUtil

* The download progress bar would only get to ~60% before completion of a system download because the remaining items in the device name request queue are discarded once the panel has sent all existing names. The queue handling in SerialComms now takes account of this.
* [Printing]

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| 08/07/2024 | | | | | |
| Quantec | **6.1.2** | CTecControls | **1.5.2** | CTecFtdi | **1.3.1** |
| XFP | **7.2.2** | CTecDevices | **1.3.2** | CTecUtil | **1.4.2** |

### XFP

* 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.
* The Network Configuration ‘Accepts from panels’ values are now saved to file.
* Reinstated the Zones page’s header formatting (couldn’t trace in Git when this was changed).

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| 10/07/2024 | | | | | |
| Quantec | **6.1.2** | CTecControls | **1.5.2** | CTecFtdi | **1.3.1** |
| XFP | **7.2.1** | CTecDevices | **1.3.2** | CTecUtil | **1.4.2** |

### Quantec

* Removed invalid options for Fall Sensor’s fall detection options.
* Corrected send/receive of Call Accept and Divert timeouts.

### CTecControls

* NumberSpinner control:
* Added NumberSet property: this defines the set of valid values for the case when the valid values are not consecutive.
* Added ShowNumberSetTotal property: if true the value is displayed in the format “#**X**(Y)”. E.g. if ‘6’ is selected from the set of three numbers [1,6,8], the value will be displayed as “#**6**(3)”.
* Added overloads to CTecMessageBox such as to specify owner window and custom button text.

### CTecDevices

* The device type numbers have been corrected for four of the CAST Pro devices.
* Added ProtocolName() getter.

### CTecUtil

* TextProcessing:
* Changed NumberListToString to return a number-range-style string,  
  e.g. “1-3,6,8-10” instead of "1,2,3,6,8,9,10”.
* Added CompareFirmwareVersion and CompareSoftwareVersion.
* SerialComms now checks that CheckProtocolCommand et al are not null before calling.

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| 16/05/2024 | | | | | |
| Quantec | **6.1.1** | CTecControls | **1.5.1** | CTecFtdi | **1.3.1** |
| XFP | **7.2.1** | CTecDevices | **1.3.1** | CTecUtil | **1.4.1** |

### All Projects

* Updated to target .NET 8.0.
* The contents of CTecUtil.API.gdi32 and CTecUtil.API.User32 have been moved to new IconUtil, MenuUtil, MonitorUtil, WindowUtil classes. The contents of CTecUtil.API.kernel32 has been moved to the new CTecFtdi.DllUtilities class. References to all have been refactored.

### XFP

* Fixed a crash when entering a device name when the DeviceNames table is empty by:
* Checking array bounds before updating(!)
* Ensuring any data received (from file or via download) has at least the “No name allocated” entry.
* General refactoring.

### CTecControls

* DataGridColumnsBehaviour has been added to facilitate variable numbers of columns in DataGrids.
* ListViewExtensions has been added to facilitate drag & drop support.

### CTecDevices

* Refactored.

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| 25/04/2024 | | | | | |
| Quantec | 6.0.20 | CTecControls | 1.4.21 | CTecFtdi | 1.2.3 |
| XFP | **7.1.10** | CTecDevices | 1.2.3 | CTecUtil | 1.3.20 |

### XFP

* Alarm verification counts are now correctly offset when sending and receiving to/from the panel.

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| 24/04/2024 | | | | | |
| Quantec | 6.0.20 | CTecControls | **1.4.21** | CTecFtdi | 1.2.3 |
| XFP | **7.1.7** | CTecDevices | 1.2.3 | CTecUtil | **1.3.19** |

### XFP

* 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.
* Device Comms:
* Device Type code 4 in the base sounder group record is now only set where the item relates to a device where the base sounder group is set.
* The Group byte in base sounder group records now has its top bit set: this is in common with normal practice in order to denote an output group.

### CTecControls

* Hamburger menu options: the ToolTip text is now refreshed on change of language.

### CTecUtil

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

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| 21/04/2024 | | | | | |
| Quantec | 6.0.20 | CTecControls | 1.4.20 | CTecFtdi | 1.2.3 |
| XFP | **7.1.6** | CTecDevices | 1.2.3 | CTecUtil | 1.3.18 |

### XFP

* Device Details:
* Default sensitivity is now 100, not 75.
* If Remote LED is enabled the Auxiliary Base Sounder Group option is disabled.
* Device Comms:
* The correct Device Type code (4) is now sent in the Base Sounder Group record.
* The Remote LED Enabled selection value is now sent in the Device record.

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| 10/04/2024 | | | | | |
| Quantec | 6.0.20 | CTecControls | 1.4.20 | CTecFtdi | 1.2.3 |
| XFP | **7.1.5** | CTecDevices | **1.2.3** | CTecUtil | **1.3.18** |

### XFP

* Comms:
* The Tools would only talk to panel #1. This was because the ping commands were not reinitialised when the user changed panel. It has been fixed.

### CTecDevices

* Added properties for ZFP A-Bus subdevices.

### CTecUtil

* Ping commands now use delegates so that the panel number used is always the current one.

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| 21/03/2024 | | | | | |
| Quantec | 6.0.20 | CTecControls | **1.4.20** | CTecFtdi | 1.2.3 |
| XFP | **7.1.3** | CTecDevices | **1.2.2** | CTecUtil | 1.3.17 |

### XFP

* DeviceDetails:
* Added Group and Volume settings to CAST PRO devices with sounders.
* Remote LED and Base Sounder Group columns are now hidden for CAST protocol.

### CTecDevices

* Amended XfpCast’s IsGroupedDevice and IsVolumeDevice properties for CAST PRO devices with sounders.

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| 14/03/2024 | | | | | |
| Quantec | 6.0.20 | CTecControls | **1.4.19** | CTecFtdi | 1.2.3 |
| XFP | **7.1.1** | CTecDevices | **1.2.1** | CTecUtil | 1.3.17 |

### XFP

* DeviceDetails:
* Corrected an error when multiple devices are selected: if the list contained invalid modes the value in the Info Panel could show as one of the valid modes instead of being blank.
* General:
* Reverted the StoreLogo to “X” *(check when next submitted to MS Store)*.

### CTecDevices

* Fixed the fault caused when changing to Apollo protocol when ModeSettings was set to null.
* Refactored all images - moved to folders according to ObjectType.

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| 13/03/2024 | | | | | |
| Quantec | 6.0.20 | CTecControls | **1.4.18** | CTecFtdi | 1.2.3 |
| XFP | **7.1.0** | CTecDevices | **1.2.0** | CTecUtil | 1.3.17 |

### XFP

* DeviceData:
* day/night modes are now included in the copy constructor and Equals comparer.
* Default DeviceData day/night modes are now set according to the device type.
* Device Details pages:
* The day/night modes are now 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.
* The Null value exception that could occur when using the arrow buttons to change the selected device has been fixed.
* Zones:
* Validation now correctly reports if the total delay time is too long.

### CTecDevices

* Added XfpCast.MinValidMode().
* Made properties/functions internal or private as applicable.

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| 12/03/2024 | | | | | |
| Quantec | 6.0.20 | CTecControls | **1.4.18** | CTecFtdi | 1.2.3 |
| XFP | **7.0.10** | CTecDevices | **1.1.12** | CTecUtil | **1.3.17** |

XFP

* General:
* Recent Files list no longer wraps long filenames’ text.
* Devices:
* Support for CAST PRO devices has been added.
* Device volume and sensitivity values are now sent to the panel in the correct data bytes.
* Causes and Effects:
* Fixed a panel download error where the Reset Type was decoded incorrectly.

### CTecControls

* The ability to show disabled items in ComboBox dropdown lists has been added.
* The TimePicker control now has an AllowMidnight property: if false, “0:00” means “never” and is shown as “--:--“.
* The collapsible submenu facility has been removed from the main navigation menu.
* More icon SVGs have been added.

### CTecDevices

* CAST PRO devices added for XFP.
* Numerous ZFP device changes.
* ProtocolTypes enum renamed to ObjectTypes in order to include ZfpNodes, ZfpSystem & ZfpABus which aren’t protocols.

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| 29/01/2024 | | | | | |
| Quantec | 6.0.20 | CTecControls | **1.4.17** | CTecFtdi | 1.2.3 |
| XFP | **7.0.9** | CTecDevices | **1.1.11** | CTecUtil | **1.3.16** |

* Comms:
* The date/time data format has been corrected when syncing the panel to the PC time.
* Devices:
* The default zone, group or set on a new device is now set to 1 instead of “Use in Special C&E”.
* 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.
* Deleting a device on the panel now works.
* When reading from a config file the number of loops is correctly set, and the device pages are displayed accordingly.
* The link between the Summary and Details pages is no longer broken after a download: this means that the devices on the Loop Summary pages are now correctly shown after downloading from a panel and thereafter any changes made on one page are reflected on the others.
* Zones:
* The day/night dependency options were not being read correctly from config files. This has been fixed.
* Causes and Effects:
* Fixed a panel download error where the Reset Type was decoded incorrectly.
* CTecControls:
* Icon types have been added to IconUtilities.
* The collapsible submenu facility has been added to the main navigation menu.
* CTecDevices:
* ZFP options have been added to the protocol definitions, so relevant XFP properties have been refactored.

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| 29/11/2023 | | | | | |
| Quantec | 6.0.20 | CTecControls | **1.4.16** | CTecFtdi | 1.2.3 |
| XFP | **7.0.8** | CTecDevices | **1.1.10** | CTecUtil | **1.3.15** |

* Comms:
* The displayed upload/download command queue total counts could get out of sync with the current queue. This has been fixed.
* File handling:
* The filename in the status bar is now unchanged if the selected file fails to open.
* Now shows correct message when attempting to open a non-existent file; also gives the option to remove it from the Recent Files list.
* Devices:
* Day/night volumes are now correctly read from config files.
* Fixed issue where the ‘No name allocated’ device name could be saved to file as a null.
* Fixed a panel download error where the Cause and Effect Reset Type was decoded incorrectly.
* Importing from an .XFP file now correctly sets device Volume settings and handles empty Cause & Effect values.
* Corrected the sort order of port names in the Serial Port Settings menu.

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| 10/11/2023 | | | | | |
| Quantec | 6.0.20 | CTecControls | **1.4.15** | CTecFtdi | 1.2.3 |
| XFP | **7.0.6** | CTecDevices | **1.1.9** | CTecUtil | **1.3.13** |

* Support for Apollo panels has been added.
* When ‘Enable changes’ has not been checked any attempt at pasting into textboxes will show the Allow Changes? Message.
* The title on the ‘Enable changes’ message box is now more generally applicable rather than always saying “Device Details” as before.
* Devices pages:
  + The Alarm Verification Counts are now included in data transfers.
  + 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.
  + Maximum name length has been corrected.
* The volume level names in the menu are now got from string resources instead of hard-coded.
* 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.
* Zones Page:
* “select a zone or panel…” text is now shown when no zone is selected.
* Dependency reset times are correctly shown according to dependency type.
* The total output delay calculation is now based on the zone’s output delays plus the global input delay.
* Causes and Effects page:
  + Not-fitted devices are now shown as “--” in device list menus.
  + True/False menu selections are not lost when the language changes.
* The app’s start-up time has been improved.
* Disconnect added to Serial port settings menu.
* Corrected the TimePicker control so that its time format now reflects a change of language.
* The device names list is now managed correctly.

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| 10/10/2023 | | | | | |
| Quantec | 6.0.20 | CTecControls | **1.4.14** | CTecFtdi | 1.2.3 |
| XFP | **7.0.5** | CTecDevices | **1.1.8** | CTecUtil | **1.3.12** |

* First live release in MS Store.