

# TECHNICAL INFORMATION BULLETIN

## GUI Version 3.6

### 1 Overview



The FireClass FC700 range includes:

- FC708D
- FC718D
- FC702S
- FC702D
- FC1DS/FC8AS (Ethernet based repeaters)
- FC1D2 (RS-485 based repeaters)

The FireClass GUI is available as the primary user interface within the enclosure of the FireClass FC700 range of fire alarm control panels. The FireClass GUI is also available as a repeater on the FireClass panels.

V3.0 was the first version to support the FC700 range of panels.

V3.6 is the next general release for all markets and is a single firmware release which is compatible with the FireClass GUI (FC1DS/FC8AS) and Display Only Repeater (FC1D2) hardware.

V3.5 is compatible with versions as per matrix in section .

The software for the FireClass GUI, which includes PC GUI simulator which can be linked to FireClass Express (full details in FireClass Express help file), can be downloaded from the <http://www.fireclass.com> website.

**It is strongly recommended that all GUIs on a network run the same version of the GUI FW. v3.6 must not be used with other GUIs running FW before v3.3 as the Walk Test changes to allow multiple Walk Tests to be started and run will cause issues on GUIs running older FW that do not support this feature.**

### 2 Changes since v3.5

#### 2.1 Fire reset

It was found that in some circumstances it was not possible to perform a fire reset when sounders had been turned off if a point in the system was disabled. This has been fixed.

#### 2.2 Custom tasks screen

The host panel will now be auto selected on the custom tasks screen. When activating a task, the point on the selected panel is now activated. Previously the selected point on the host panel was activated regardless of the panel selected.

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## 2.3 Fire screen

Clicking on the "Last Fire" button on the fire screen now correctly jumps to the last fire detail in the list view.

When zone filtering is enabled, switching between 'Fires in Zone' and 'Zones in Fire' modes now remembers the last item seen in the new mode.

## 2.4 Network stats gathering

It was found that on large networks with many GUIs the network stats gathering feature had an effect on network performance so the feature has been disabled by default. It can be enabled for an individual GUI in the Commissioning screen, and the GUI will show the commissioning icon (screwdriver) while the feature is enabled. Entering the FCNet status screen will still trigger a stats request so enabling the feature in the commissioning screen is only needed where network issues has made the stats requests unreliable.

## 2.5 Modify Device Address Screen

Previously the GUI was enforcing the requirement that the configured but unresponsive device at the address the new device was being moved to, had the same device ID as the device being moved. However that was preventing different but compatible devices being moved. As the GUI does not know about device compatibility, the requirement that the device ID matches has been removed. This means it is now possible to replace devices with others which are compatible. It also means it is possible to replace a device with one which is incompatible. However the device being replaced is still required to be configured but unresponsive, so the end result would simply be the fault changing from not device not responding to device incompatible.

## 2.6 Modify point screen

If the device name was changed and the device use was left "As configured", the device use was being changed to the default use for the device type. If it had previously been set to a split device that resulted in orphaned points and a corrupt configuration. This issue is now fixed and device use is not changed unless selected explicitly.

## 2.7 Event summary by status screen

A panel selector has been added to the Event summary by status screen to allow filtering to show events for a specific panel. The selector has an All option which if selected will match the previous behaviour.

## 2.8 Added 'Enable if Clear' to Disable screens

Added the extra option 'Enable if Clear' in addition to 'Disable' and 'Enable'. Selecting this new option will exclude any currently active points from being Enabled.

## 2.9 Added a Point Log screen

When user is logged in as Engineer or above, the 'Event Log' button is replaced by a 'Logs' button. Clicking on 'Logs' will lead to 'Event Log' and 'Point Log' buttons. The 'Event Log' button functions the same as previously. The 'Point Log' button, will now display sensor values from devices that have been in alarm.

## 2.10 Improvements to some filter selectors

The device type filter is now sorted alphabetically.

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An issue was introduced into v3.4 causing some screens to allow multiple points to be selected where it was not appropriate, e.g. the Modify device address screen. This has now been fixed.

## **2.11 Loop points can no longer be Enabled or Disabled while the loop is shut down**

Previously it was possible to Enable or Disable loop points for a loop that had been shut down from the Commissioning screen. As such actions are not meaningful when the whole loop is shut down it is no longer possible to select such points from the Disable screens, and any button to Enable or Disable such points on other screens has been hidden or greyed out.

## **2.12 Fixed point category prefix inconsistencies**

Previously the GUI used fixed letters for different point types, e.g. R for real points. On the text UIs the character used for a point type can differ depending on the language. For the GUI to provide a consistent universal address compared to a text UI, if the panel provides characters to use for different point types the GUI will now use those characters in preference to the default characters. Refer to panel TIB for the panel firmware versions which provide this.

## **2.13 Save report functionality**

Improved performance and error handling of the save report facility. Also improved the formatting and presentation of the report contents.

Some reports required additional processing before a popup was shown saying a report was being saved. This was mostly reports of the Event log. An additional popup is now shown immediately the Save button is pressed for these reports to give the user better feedback that the GUI is busy creating the report.

## **2.14 Display of events**

Some events which were not associated with points were showing with the name "--Unconfigured--". If the event does not have a Name it will now show as "-". "--Unconfigured--" is now only displayed as the name for events relating to unconfigured points.

## **2.15 Disable by Function screen**

Disabling by function for protection, signalling and sounders are now allowed at Customer level 6.

For points that are Disabled, an Enable option is now offered.

## **2.16 Device dates screen**

On the Device Dates screen the listed device count on the summary page did not always match the counts on the details page. This has been addressed.

## **2.17 Display of counters in the System Status by Zone Faults tab**

The counters in the System Status by Zone Faults tab were not always consistent or updated. That has been addressed.

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## 2.18 Walk test

On the Event Summary screen, the Stop Walk Test button could be shown when the Host panel was not the one controlling the Walk test, and pressing the button did nothing. The button will no longer be shown when the Host panel is not the one controlling the Walk test.

## 2.19 Loop calibration screen

If loops are not configured for EN54 part 13, they are now displayed in the loop calibration screen with a "Not Part 13" icon (numeral "13" with a crossed-out circle).

Fixed inconsistencies between the status display on the "Loop Calibration" screen and loop device status when there is a calibration fault. Added a new icon (an exclamation mark, '!') to represent loop calibration faults.

## 2.20 Startup mode

When the panel was put into Startup mode to program the firmware/configuration, a race condition between a user trying to log in and the panel being ready to accept a login could occur. If the user attempted to log in too quickly the panel would ignore the request leaving the GUI displaying a "Waiting for login" until the user cancelled the popup. This has been fixed and the user is not shown the Login button until the panel is ready.

## 2.21 Added a Manual screen to the help screen

If the user is logged in as an engineer, the help screen will now show a button which will take the user to a screen with a link to all the online documentation available. Note: an account is needed to access this information.

## 2.22 The GUI now respects the Date format as specified by the panel

The GUI will now display the month in the footer as numerical or alphabetical respecting the Date format provided by the panel. The GUI will still not display seconds as part of the time format as there is not enough space available in the footer. Note: Express currently only allows the DD:MM:YY format.

## 2.23 Time/date handling on a PC GUI

A PC GUI would display the PCs current time/date and not the panels, and the time/date of events may have been displayed incorrectly if the PC and panel were not at the same time/date. This has been corrected and the PC GUI will now show the time/date as provided by the panel.

## 2.24 Day/Night is now a simple toggle when the button is pressed

The confirmation popup has been removed and the button is now a simple toggle between Day and Night mode, matching the text UI behaviour.

## 2.25 Unlatch of the system fault LED

On completion of a full 'Network Download' from Express and after the 'Restart Request' has been broadcast to all Panels, some Panels intermittently raised a System Fault at the GUI. As the GUI latches any System Fault this required a fire reset to be performed on every GUI connected to an affected panel to clear the system fault LED. The GUI now has the ability to unlatch the system fault without intervention if requested by the panel. See panel TIBs for more details and which panel firmware supports this.

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## 2.26 Support for separate sleep images in each panel

On a USB stick containing a GUI configuration update, the GUI will now look for sleep.png at the panel level of the config. If it does not find the file it will revert to the original behaviour of looking at the project level. Currently Express does not support adding the sleep.png files per panel so if this behaviour is desired the files need to be added to the USB stick manually.

## 2.27 Features added to support future panel releases

New screens may be available if logged in as an Engineer from the Logs screen to show some diagnostic statistics from the panel. Currently RBus comms and Panel flash memory statistics will be available. Refer to panel TIB for panel FW supporting this.

If Express provides an option to disable RFID and RFID is disabled in the project, the GUI will now ignore RFID login and not provide the option to program an RFID card.

The GUI now provides support for some Gateway features if supported by the panel firmware. Refer to panel TIBs for more information.

- Configured gateways will now appear on the System review screen.
- If Gateway connected services is allowed in Express, the GUI will now show buttons on the commissioning screen to enable and disable. When enabled, the GUI will show On or a countdown timer depending on the project settings.

## 3 Known Issues

- Networks of larger numbers of panels connected with FC700 GUIs require higher baud rates than the commonly used 19,200 for optimal operation. Ideally, all such networks should be configured to run at highest baud rate 115,200. Please refer to the table below for recommended minimum baud rates for networked systems.

Minimum Network Baud Rate	Up to 10 Panels	11-20 Panels	21-30 Panels	30+ Panels
19,200				
38,400	✓			
57,600	✓	✓		
76,800	✓	✓	✓	
115200	✓	✓	✓	✓

- In a networked configuration make sure that “Logging of Broadcast Events” option is selected in Express to avoid blank fire screens on remote panels.
- The GUI does not support an extended character set UI keypad and hence extended characters are not available for the Point Settings – Add/Modify Point.

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- The panel does not support reading extended character sets apart from the Western European Languages when reading from the USB and hence the GUI does not display these characters in the Panel Update screen.

## 4 Technical Support

- For Europe, please send technical support issues to: [techserv-Detection@jci.com](mailto:techserv-Detection@jci.com)
- For Middle East please send technical support issues to: [techservices-mzx@tycoint.com](mailto:techservices-mzx@tycoint.com)
- For APAC please send technical support issues to: [techsupport.apac.mzx@jci.com](mailto:techsupport.apac.mzx@jci.com)

## 5 Compatibility

GUI Version	TIB	Compatible FireClass Express/Panel Firmware Versions	Description
3.6	1231	29.x 30.x 30.9x 31.x	Walk test support has some restrictions in earlier panel firmware. See TIB1159 for more details.

## 6 Open Source and Third Party Software Information

OS/Third party software disclosures are available at <https://www.johnsoncontrols.com/legal/digital/third-party-software-information>