C-TEC R&D

New XFP Programming Tools (V7.0.8)



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UUT	Hardware	Firmware
Tools	n/a	V7.0.8
CAST XFP 2LP 32Z	Renesas RPF0999322 R3	13A27_24.02.22

Table 1 - Versions

Reasons for testing:

New programming tools

Findings:

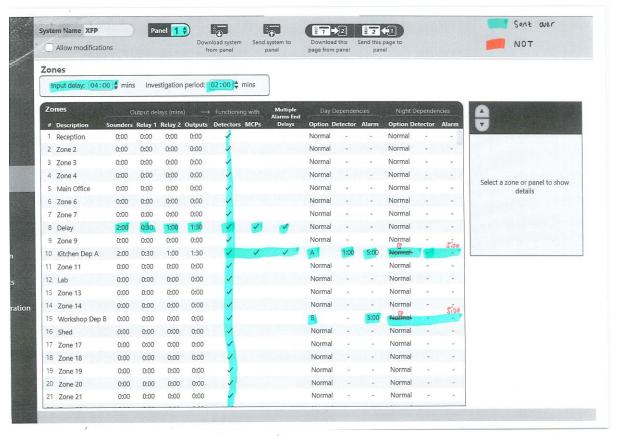
- Uploading the config to the XFP causes the sounders not to activate. *I don't know how to test this.*
- XFP doesn't update to the correct time when the config is sent. A random date and time are given it seems. *Fixed*.
- I/O's cannot be named. They can ...or I have misunderstood what is meant here.
- Under CAST HS2 device settings the sounder is reported as an input while fire 2 is an output. *Fixed.*
- Under CAST HS2 device settings, sub address Fire 1 & 3 are both unavailable. Fire 1 is available on the legacy tools. *Fixed*.
- Under all I/O's the channel is set to 2 by default instead of 1 compared to the legacy tools.
 Fixed.
- If user downloads the latest system from the XFP when the current config open isn't the latest then the device maps won't update unless you go to "device details" tab first. I'm not sure what this means.
- If a 1 loop config is open and the user opens a 2 loop config then the software still thinks it only has 1 loop. *Fixed*.
- If devices are removed on the config and sent over to the XFP, the changes aren't updated on the XFP. *Fixed*.

Observations:

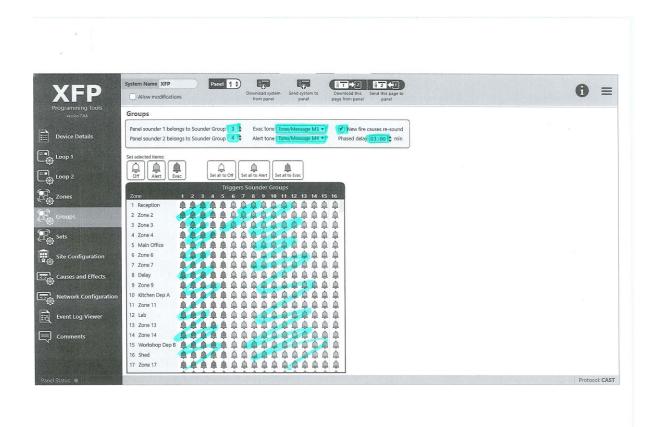
- Device name limits have been increased from 22 to 24 characters. The limit appears to be 24 in the old tool. Which should it be?
- Can't double tap empty slot to assign a device unlike old tools. This is by design, to prevent idental changes that can happen with the old tool. E.g. change/deletion of devices by misplaced mouse clicks. Or, most bizarrely, when attempting to use the mouse wheel to scroll a pane, it instead replicates the last change all the way down a column (it doesn't scroll the panel either).

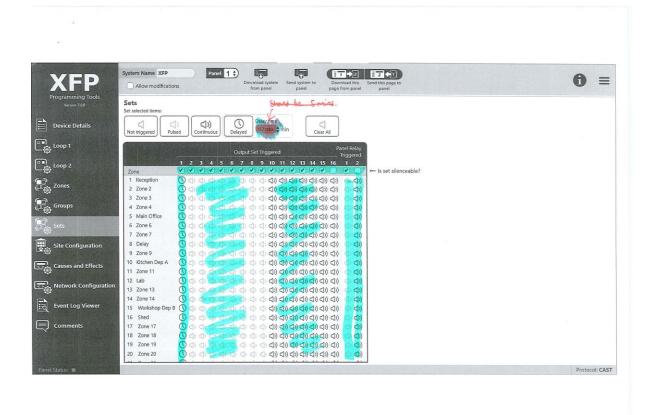
- Sometime data validation reports site config hasn't been entered but sometimes it doesn't report. (The warning for blank Site Config client / installer details is only shown before saving to file. These are not checked elsewhere because they are not sent to the panel.)

Below are screenshots to visually show the data that has been transferred correctly between the legacy tools and the new tools. The config was sent to the XFP by the old tools and then downloaded from the XFP with the new tools to simulate what the customers would do when using new tools on systems that have been created the legacy tools.



This was not replicated when transferring to/from the panel but it did do this when reading from a config file. Fixed.

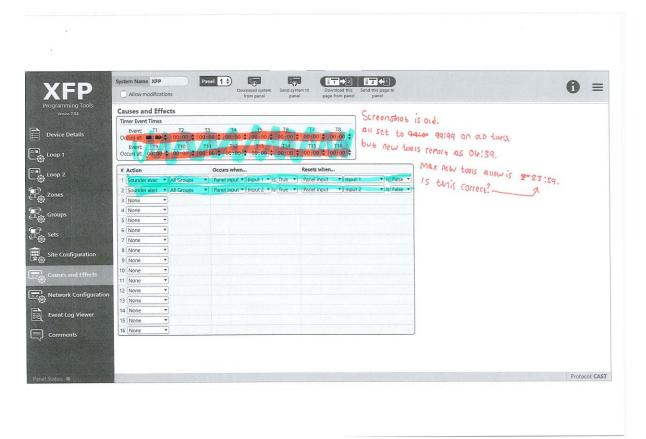




Values can be set between 0:00 - 10:00 as per the old tools. However, the old tool always saves this value as 5:00 in a config file, irrespective of what it shows on the screen.



The client and installer fields are not stored on the panel, only in config files.



"Occurs at" strongly implies that a time of day is meant, not a length of time. I assumed that allowing 99:99 to be input was one of the old tool's quirks. When the new tool receives 99:99 from the panel it interprets it as 4 days, 4 hours & 39 minutes, giving a resultant time of day of 04:39.

Ant has confirmed that event times are times of day so I will leave the new tool as-is, apart from validating an incoming value and setting it to 0:00 if greater than 23:59.

Note that sometimes sending/receiving 99:99 in the old tool results in a seemingly unrelated value. I also observed that when setting only the 2^{nd} time to 99:99, after a send & receive the 1^{st} time was also set to 99:99.