

RELEASE NOTE

FireClass 501 Firmware 1.10.23

1 General Note

Version 1.10.23 of FC501 Panel Firmware implements

- New Features

Version 1.10.23 of FC501 Panel Firmware is available for all markets.

2 Upgrading from earlier versions


Panels configured with FW version 1.00.41 or higher are directly compatible with version 1.10.23 FW.

Firmware upgrade instruction available at [Firmware Upgrade Quick Guide](#)

3 Changes made since Version 1.10.23

3.1 All Templates

3.1.1 New Features

1. Quick loop device replacing procedure
The replacing procedure “on the fly” will allow to quickly and easily substitute a loop device with a new one of the same type, without the needed to address the new device.
This feature will allow to save time because you do not need to know the address of the device to replace.
This feature will allow to easily substitute a loop device without addressing it and keeping the existing device configuration therefore the FC490ST Service Tool will not be needed.
The panel stores address and type of the device to be replaced and use these information to addresses the new devices.
When the existing device is replaced by a not addressed one the panel reveals an error and asks the installer whether or not to replace it.
Simply pressing on the "Enter" key the panel addresses the new device and configure it as the previous one.
This feature allows the replacing of a single device per time and the devices used as replacement has to be not addressed (address = 0xFF)
2. It is now required to keep pressed the “EVACUATION” button () at least for 0.6s before it will be recognized by the panel.
This modification has been implemented to avoid the involuntary panel alarm activation.

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FireClass 501 Firmware 1.10.15

1 General Note

Version 1.10.15 of FC501 Panel Firmware implements

- New Features
- Dutch Template

Version 1.10.15 of FC501 Panel Firmware is available for all markets.

2 Upgrading from earlier versions

Panels configured with FW version 1.00.41 or higher are directly compatible with version 1.00.46 FW.

Firmware upgrade instruction available at [Firmware Upgrade Quick Guide](#)

3 Changes made since Version 1.00.46

3.2 All Templates

3.2.1 New Features

3. Panel language download via USB key
This feature, in an out of the box context, will allow the installer to load in the panel a language (set of strings used in the LCD display) different from the two native languages embedded in the panel Firmware. The new language may be selected from a set (16 languages) of available languages contained in a file in the appropriate folder in the USB memory stick connected to the panel before the power up. The file is available on the CD that comes with the FC501 panel and on the FireClass website www.fireclass.net.
At the first panel power-up or after a FW upgrade, only one language may be loaded and it will overwrite the native Italian language and it will be the language used by the panel. If no USB memory stick is present the native languages are proposed (as in version 1.00).
This feature made possible to substitute both languages in the panel using the language file in the USB memory stick during the panel run time.
4. No latching inputs (“Clear on Clear Cause” output)
When the new option is programmed for a certain input, the control panel shall enter the warning status when the appropriate conditions are detected by the input, and shall exit this status when the loop device goes back to standby.
This feature shall not affect detectors.
This feature may not be programmed via Panel User Interface but only via FireClass Console SW
5. Separate activation of sounder and beacon
For those loop devices which provide both acoustic and visual signaling, it shall be possible to program both channels independently.
6. Management of Visual Alarm Devices (VAD) compliant with EN54-23.

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The new Visual Alarm Devices (VAD) will work at the same way of the relevant, not EN54-23 compliant, managed devices in the panel version 1.00. The panel, at UI level, will use the same acronym for Indoor and outdoor device version.

7. **Output activation on disablement**

This feature allows all outputs (loop modules and on board outputs) to be triggered by the any system part disablement event. It is sufficient that a single system part is disabled to activate the outputs, while it is necessary that none system parts are disabled to deactivate the outputs

8. **Programmable remote LED output on detectors**

It shall be possible to program (both on Console and on control panel user interface) the trigger conditions for the remote LED of the detectors. The disabling of the detector that drives the remote LED will not impact on the LED control. The channel used to control the detector remote LED may be not disabled.

9. **Zone label entered via panel user interface**

It will be possible to entered the label for any zones via panel user interface.

3.2.2 Dutch Template

With the “Template” term is intended a set of feature and dedicated default values devoted to better met the requirements of a specific market place. In this case the market place is the Netherland. The “Dutch Template” will be applied when the Dutch language is selected as panel language (active language)

It is composed by:

1. SC2 output shall be programmed as “not silenceable”.
2. The tone for all loop powered sounder shall be programmed as ”Dutch Slow Whoop”.
3. Different Automatic zone assignment scheme during autoaddressing

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FireClass 501 Firmware 1.00.46

1 General Note

Version 1.00.46 of FC501 Panel Firmware implements

- Improvements
- Bug fixing

Version 1.00.46 of FC501 Panel Firmware is available for all markets.

2 Upgrading from earlier versions

Panels configured with FW version 1.00.41 or higher are directly compatible with version 1.00.46 FW.

Firmware upgrade instruction available at [Firmware Upgrade Quick Guide](#)

3 Changes made since Version 1.00.41

a. All Templates

3.2.3 Bug fixing

1. Once 49 days from the panel power-up, may be signaled a fault condition in the communication path between the Auxiliary controller and the Main controller ("AUX. CONTROLLER ").
The fault automatically restore after a period ranging from few seconds to 9 hours.

Workaround for previous FW versions:

None

2. Individual Callpoint disablement doesn't have effect.

Workaround for previous FW versions:

The callpoint disablement is effective when is disabled the signed SW zone

3. The downloading to the panel of a fully configuration data from USB memory stick, made ineffective the data related to the PSTN communicator, blocking the functionality of the communicator itself

Workaround for previous FW versions:

At the end of the configuration data download from USB memory stick to the panel, power cycle the panel.

4. The Electrical disconnection and subsequent reconnection on the loop of a disabled callpoint causes a wrong loops scanning sequence.

Workaround for previous FW versions:

The correct loop scanning sequence is restored at callpoint enabling

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5. During the device mapping phase, in the case of devices programming, the only device labels and/or channel labels may be displayed and/or stored in wrong way.

Workaround for previous FW versions:

None.

The corrupted label may be re-entered using the FCConsole SW or in front of panel using the device programming feature in the "PROGRAM" menu.

6. In the system parameters programming sequence (PROGRAM menu -> SYSTEM), when the option "AUTO" is selected for the "DAY NIGHT MODE", it is always required to enter the time for "DAY -> NIGHT" and "NIGHT -> DAY" exchange in order to proceed.

Workaround for previous FW versions:

None.

Has to be entered the required time.

7. During the device mapping phase, in the case of devices programming, the entered data may be corrupted if the interaction with the panel misses for a period greater than 4 minutes.

Workaround for previous FW versions:

None.

8. Very few times, after mapping procedure the control panel signals the "Not polled" fault for a not existing device.

Workaround for previous FW versions:

None.

i. Improvements

9. The help page related to the SW zone status page is not correctly formatted in the English language

Workaround for previous FW versions:

Reload the panel English language using the FireClassConsole SW

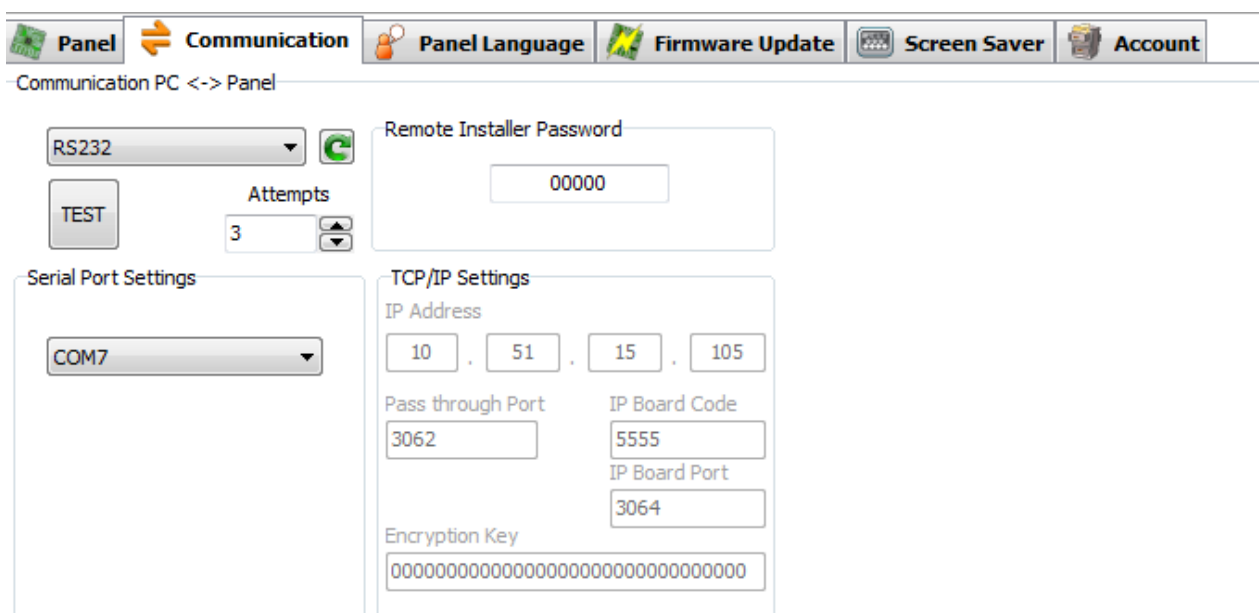
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Appendix A

FC 501 Firmware Upgrade Quick Guide

FIRMWARE UPGRADE PROCEDURE USING FIRECLASS CONSOLE SW:

1. Connect the communication cable you are going to use (PC-LINK or USB)
2. Install USB driver when asked (after inserting USB connector on the PC host port) [*ONLY IF YOU ARE GOING TO USE USB CABLE*].
You can find the correct drivers in the FireClass Console SW installation directory (ex: *C:\Program Files\FireClass\FireClass_Console\Drv*). Use "X86" version for 32 bit Windows™ version and "X64" for 64 bit version.
Please be aware that Windows may show a driver security warning. In this case please continue forcing the installation procedure.
3. Go to the FireClass Console Main page -> "Communication" tab and select the channel you are going to use: RS232 (COMx) or USB (USBx)



The screenshot shows the FireClass Console SW interface with the "Communication" tab selected. The interface includes a top navigation bar with tabs: Panel, Communication, Panel Language, Firmware Update, Screen Saver, and Account. Below the navigation bar, the "Communication" section is active, showing a dropdown menu for "RS232" and a "TEST" button. To the right, there is a "Remote Installer Password" field with the value "00000". Below these, there are two main sections: "Serial Port Settings" and "TCP/IP Settings". The "Serial Port Settings" section has a dropdown menu for "COM7". The "TCP/IP Settings" section includes fields for "IP Address" (10.51.15.105), "Pass through Port" (3062), "IP Board Code" (5555), "IP Board Port" (3064), and an "Encryption Key" field with a long string of zeros.

4. Go to the FireClass Console Main page -> "Firmware Update" tab

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5. Select “Browse” and load the .BIN packet containing the FW
6. Software will scan the packet and then will show the FW versions read on file and those detected on the connected panel


Firmware Update

Firmware File

Processor	Detected Version	Version on File
MAIN_CTRL	1.0.20.0	1.0.20.0
AUX_CTRL	1.0.19.0	1.0.19.0
REPEATER	4.0.3.0	4.0.3.0
MFI	0.0.0.0	3.0.2.0
IP	1.2.0.3	1.2.0.3

Processor	Detected Version	Version on File
<input checked="" type="checkbox"/> MAIN_CTRL	1.0.20.0	1.0.20.0
<input checked="" type="checkbox"/> AUX_CTRL	1.0.19.0	1.0.19.0
<input type="checkbox"/> Repeater #1	4.0.3.0	4.0.3.0
<input type="checkbox"/> Repeater #4	4.0.3.0	4.0.3.0



7. Select the FW you want to update and then click on “Start flash” button 
8. Wait until all the FW have been upgraded (You will get a feedback from software)
Please note that currently on the panel you may get some fault warning during aux controller update (“Aux Controller” or “Pstn Communicator”).
Please wait, the system is considered fully working again when all possible FW update related faults are automatically restored.
Verify that running FW version is the updated one on “Panel” tab.

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FIRMWARE UPGRADE PROCEDURE USING USB PEN DRIVE:

1. Get updated FW packet from FireClass server (correct file name has "FWxxxxxx.BIN" format)
2. Get a **FAT** or **FAT32** USB Pen Drive
3. Create a folder named "**F_FW**" in the root of the USB Pen Drive
4. Copy the downloaded file into "**F_FW**" folder
5. Insert the USB Pen Drive on a working panel
6. Go into the "**1=Program**" Menu -> select option "**7=USB**" -> select option "**5=FW Upgrade**"
7. Wait until the panel comes back to the main page (the procedure takes a few minutes)

NOTE: The upgrade procedure may take several minutes to complete