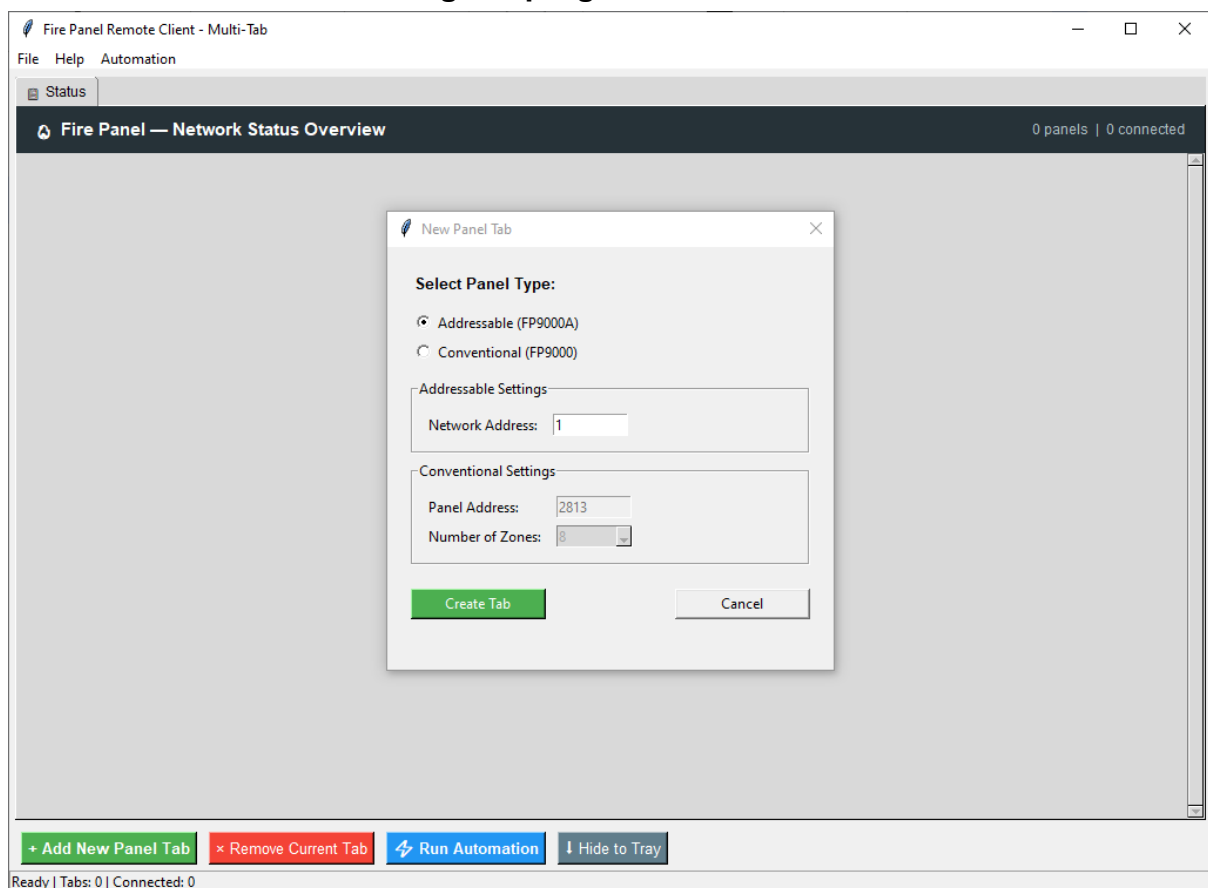


Instruction Manual for the DMTech Fire Panel Remote Client software

These instructions are intended for a user with a properly installed and configured DMTech Cloud communication module in an FP9000A or FP9000 control panel!

Using “DMTech Fire Panel Remote Client” software for Microsoft Windows

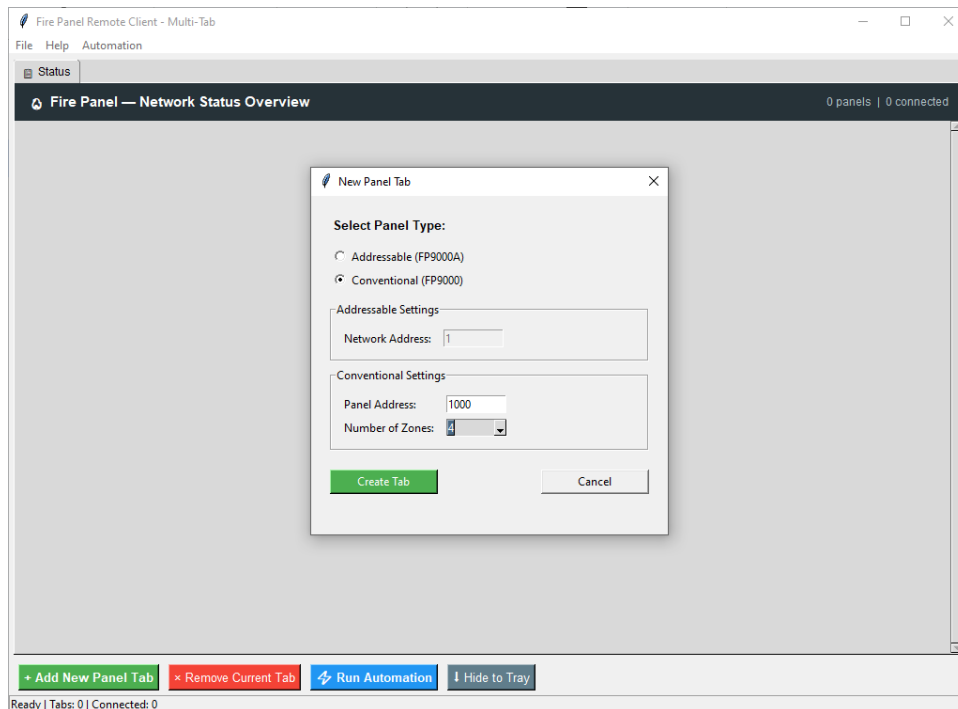
1. View when first starting the program



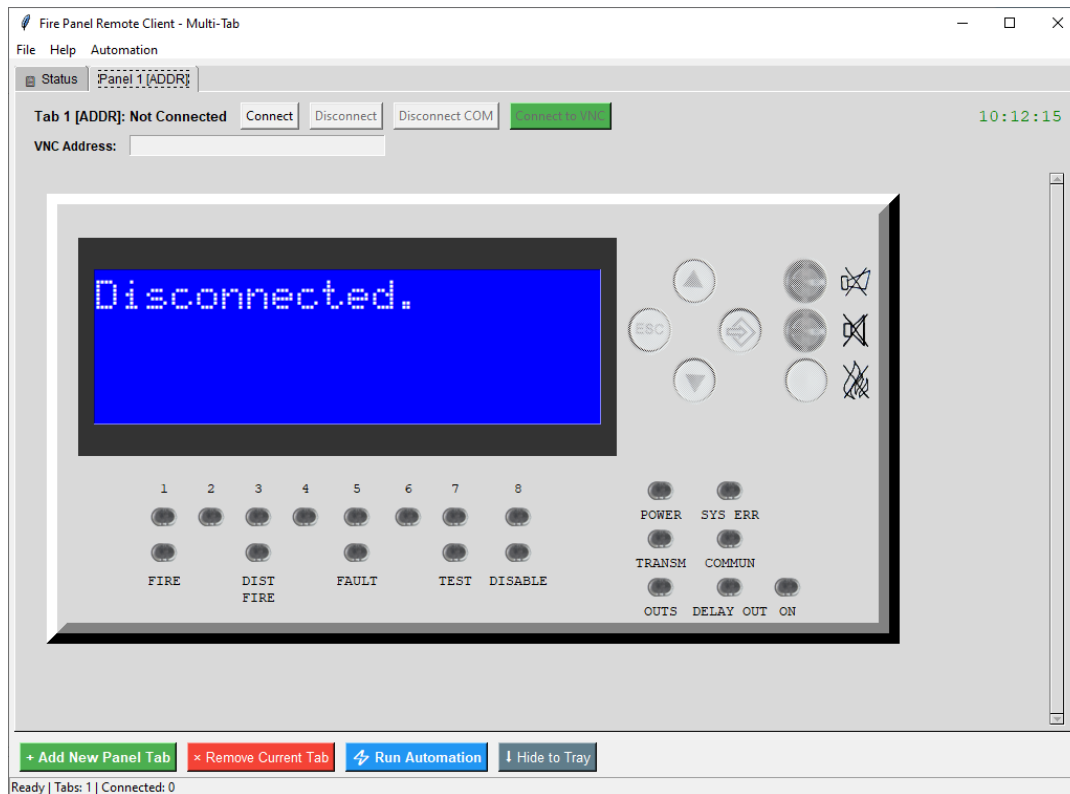
Upon startup, a dialog box appears where the user selects the type of panel to which they want to connect. The supported models are FP9000A (1 Loop) and FP9000 (Conv. 2 to 8 Zone). When selecting a conventional control panel, its address (4 digits) and the number of zones are additionally set, according to the specific device you are using. The address must be provided to you on some kind of sticker or inscription, or set manually on models with a display.

2. Conventional panel FP9000

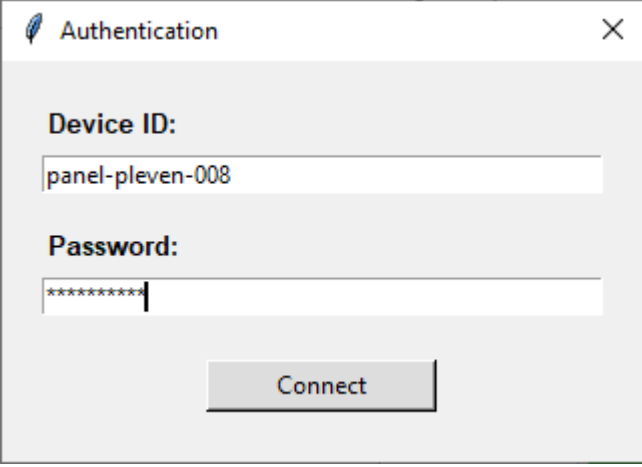
When you press the “Add New Panel Tab” button, the dialog box for setting up a new tab is displayed again. For a conventional control panel, select “Conventional (FP9000)”, set its address, and select the number of zones the device has.



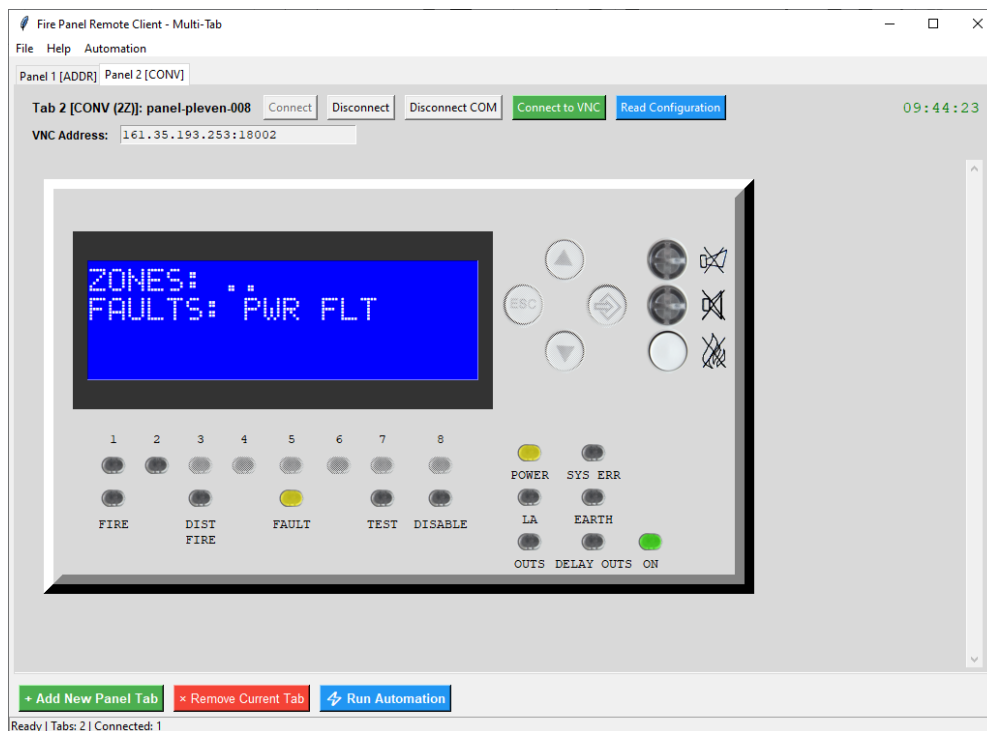
When you click “Create Tab”, a new tab is created for connection to a conventional control panel.



To connect to a desired conventional control panel, press the “Connect” button, and enter the corresponding name and password in the displayed interface. Click “Connect” again to confirm:



The Authentication dialog box has a title bar with a feather icon and the text 'Authentication'. It contains two input fields: 'Device ID:' with the text 'panel-pleven-008' and 'Password:' with masked characters '*****'. A 'Connect' button is at the bottom.



3. Available functions when connected to a conventional control panel:

- LED status monitoring;
- Output suppression;
- Buzzer mute;
- Fire reset;
- Reading and writing full system configuration;
- Connection to a VNC stream for monitoring and controlling the control panel, and configuring the module itself.

By pressing the “Read Configuration” button, the complete configuration of the control panel can be read:

Configuration

Code panel: 0 Interface Number: 28.13
 Software version: 17.22 Number of lines: 2
☐ Check on earth

Line parameters

—select line— 1 Number of checks: 1
 №: 1

Current [mA]

Breaking	3	2 - 15 [mA]
Fire 1	16	16 - 80 [mA]
Fire 2	40	30 - 80 [mA]

Outputs

☒ Out1 ☒ Out2

Relay outputs

☒ R1 ☐ R2 ☐ R3 ☐ R4 ☐ R5 ☐ R6 ☐ R7 ☐ R8

Parameters/Lines

	L #1	L #2	L #3	L #4	L #5	L #6	L #7	L #8
Number of chec...	1	1	0	0	0	0	0	0
Interrupt Current ...	3	3	0	0	0	0	0	0
Fire1 [mA]	16	16	0	0	0	0	0	0
Fire2 [mA]	40	40	0	0	0	0	0	0
Out1 Out2	3	3	0	0	0	0	0	0
Relays	1	2	0	0	0	0	0	0

Current of the lines [mA]

L1	L2	L3	L4	L5	L6	L7	L8
6	6	0	0	0	0	0	0

Measured parameters

Parameter	Measured	min	max
220V_ST	107	15	120
M_24U_FUS	219	200	235
ACU_ST	0	201	235
K Out1	209	80	120
K Out2	0	80	120
EARTH	98	80	120
Line #1	6	4	8
Line #2	6	4	8
Line #3	0	4	8
Line #4	0	4	8
Line #5	0	4	8
Line #6	0	4	8
Line #7	0	4	8
Line #8	0	4	8

Monitor

30 44 36 04
 [09:47:22] [READ] Response received: 02 30 37 37 30 30 35 35 44 33 37 30 30 34 30
 31 33 31 33 30 30 30 30 30 30 30 30 30 30 31 30 31 30 30 30 30 30 30 30 30
 30 30 30 30 30 32 38 32 38 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30
 30 30 30 30 30 30 30 30 30 30 31 30 32 30 30 30 30 30 30 30 30 30 30 30 31
 37 32 32 32 38 31 33 30 30 30 30 35 35 41 41 30 32 36 42 44 42 30 30 44 31 30 30
 36 32 30 36 30 36 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 35 45 39 04

Buttons: Close, Read Config., Write to Panel

From this interface, it can be edited and, with the “Write to Panel” button, overwritten into the control panel's memory. **Note: This restarts the entire control panel and may interrupt its current operation!**

3. Connection to VNC for a conventional control panel:

The software has a built-in button that serves as a shortcut for a direct

connection to the VNC stream of the specific module.  This connection allows the same control and monitoring as the normal tab and its interface, but also allows for some additional more in-depth settings that are applied directly to the module itself. **Note: VNC connection requires TigerVNC Viewer (Client) software installed!**

VNC authentication

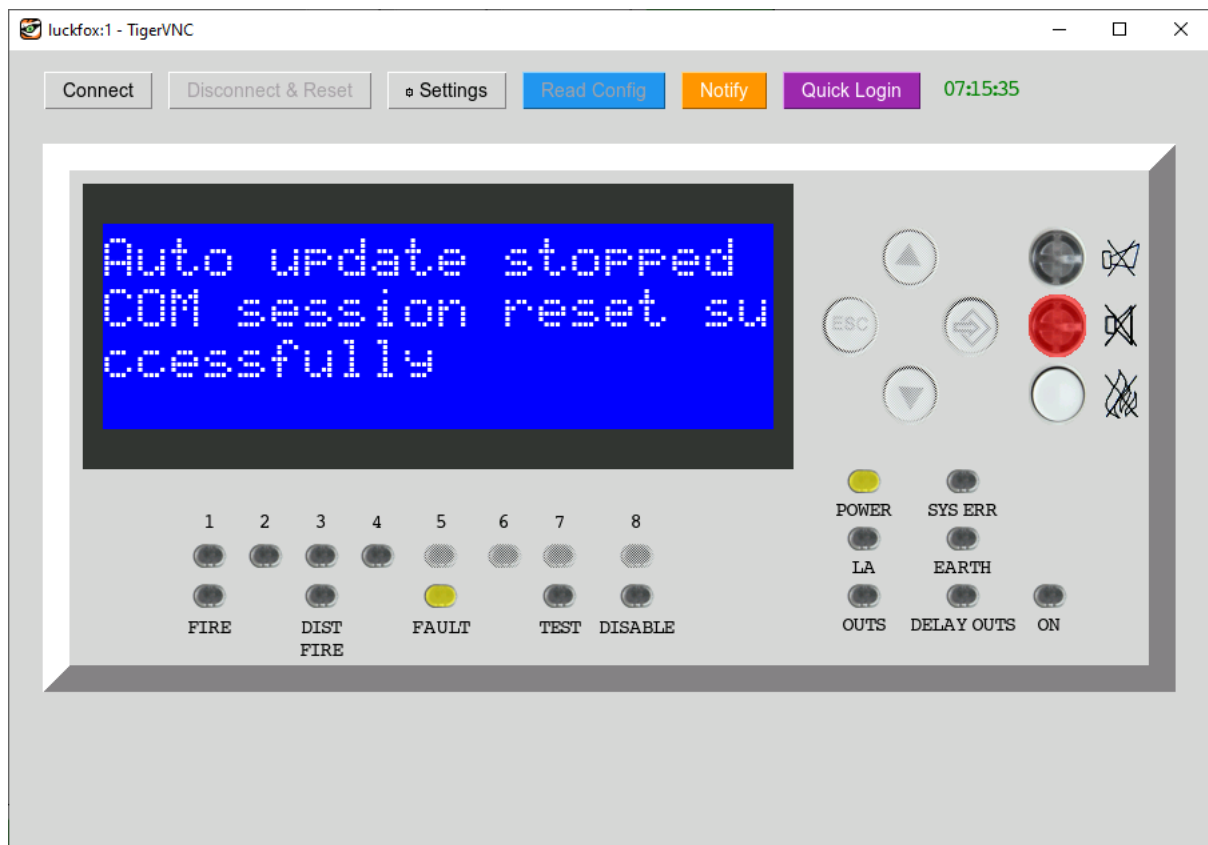
This connection is not secure

? Password:

☐ Keep password for reconnect

Buttons: Cancel, OK

Upon successful connection, the following interface opens in the VNC window:



The interface is identical to that of the main software. The “Connect” button starts reading data from the control panel. The “Disconnect and Reset” button stops reading and writing data from the VNC interface and closes the window. **Note: If data reading in this window is active, data cannot be read by another program! You must always exit the interface using this button!**



Button **Settings** allows setting the password for VNC access, which is applied only when the module is restarted. The “Restart” button can also be used at any time, not only when changing the password, to restart the module - a possibility for remote “cleaning” if problems arise, without the need to access the FP9000A panel itself.

The settings menu also includes fields for the number of zones and the panel address, which must be entered before the connection to the VNC interface and fire notification will work.

Settings

Panel address (4 digits):

Number of zones:

Current VNC Password:

New VNC Password:

Confirm Password:

The “Read Config” button allows reading and editing the panel’s system settings from the VNC interface, and saving them to the control panel’s memory:

luckfox:1 - TigerVNC

Connect Disconnect & Reset **Settings** Read Config Notify 07:28:05

FP9000 Configuration Close Re-Read Write to Panel

Configuration

Code panel Interface Number

Software version Number of lines

Check on earth ☐

Line parameters select line:

Number of checks

Breaking

Fire 1

Fire 2

Relay outputs

☒ R1 ☐ R2 ☐ R3 ☐ R4 ☐ R5 ☐ R6 ☐ R7 ☐ R8

Update

Current of the lines [mA]

L1	L2	L3	L4	L5	L6	L7	L8
6	6	0	0	0	0	0	0

Measured parameters

Parameter	Measured	min	max
220V_ST	108	15	120
M_24U_FUS	219	200	235
ACU_ST	0	201	235
K Out1	215	80	120
K Out2	0	80	120
EARTH	98	80	120
Line #1	6	4	8
Line #2	6	4	8
Line #3	0	4	8
Line #4	0	4	8
Line #5	0	4	8
Line #6	0	4	8
Line #7	0	4	8
Line #8	0	4	8

Parameters/Lines

Parameters/Lines	L #1	L #2	L #3	L #4	L #5	L #6	L #7	L #8
Number of chec..	1	1	0	0	0	0	0	0
Interrupt Current ..	3	3	0	0	0	0	0	0

Button **Notify** enables mobile Push Notification-type notifications, to a phone or other device with Android or iOS. Requires the “ntfy” app, available on Google Play and the App Store.

Push Notifications (ntfy)

Toggle push notifications?
This will keep a persistent connection from the
Module to the FP.

Turn Off

(polls panel every 5 s when enabled)

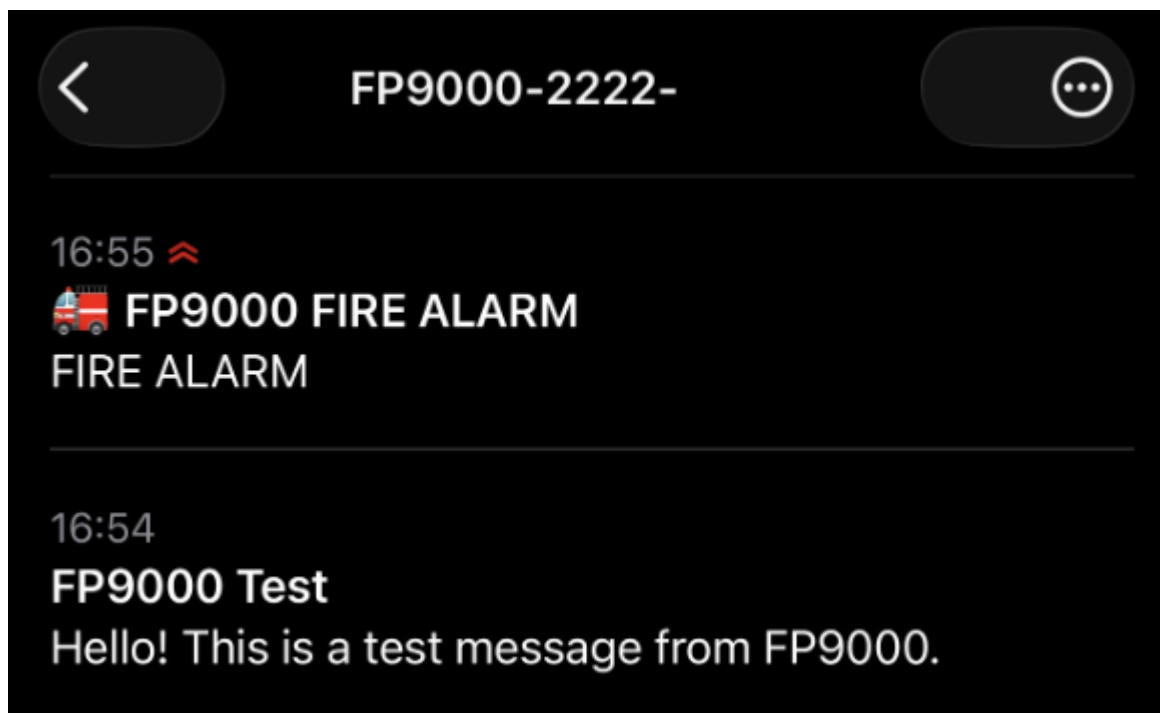
ntfy topic:

Apply

Test Notif.

Close

In the ntfy application itself, you need to subscribe (add) to the topic listed in the interface, through which you will receive notifications for events “FIRE ALARM” and “FIRE CLEARED”, upon fire detection and upon clearing of fires. Notifications are received individually for each zone. The “Test Notif.” button sends a test notification from the module to the topic to check the functionality. **Note: The delay between fire detection and mobile notification can be up to 5-10 seconds!**



Button **Quick Login** allows sending a ready-made link for quick connection to a web interface (described in the documentation "**DMTech Cloud VNC Portal**"), in the presence of events in the control panel itself. Manual entry of a name and password in the required fields is required, and the function is OFF by default!

Quick Login Setup

Enable quick login links for the VNC portal.
This allows access via a URL without manual login.

Enabled

(saves to /root/quicklogin.txt)

Device ID:

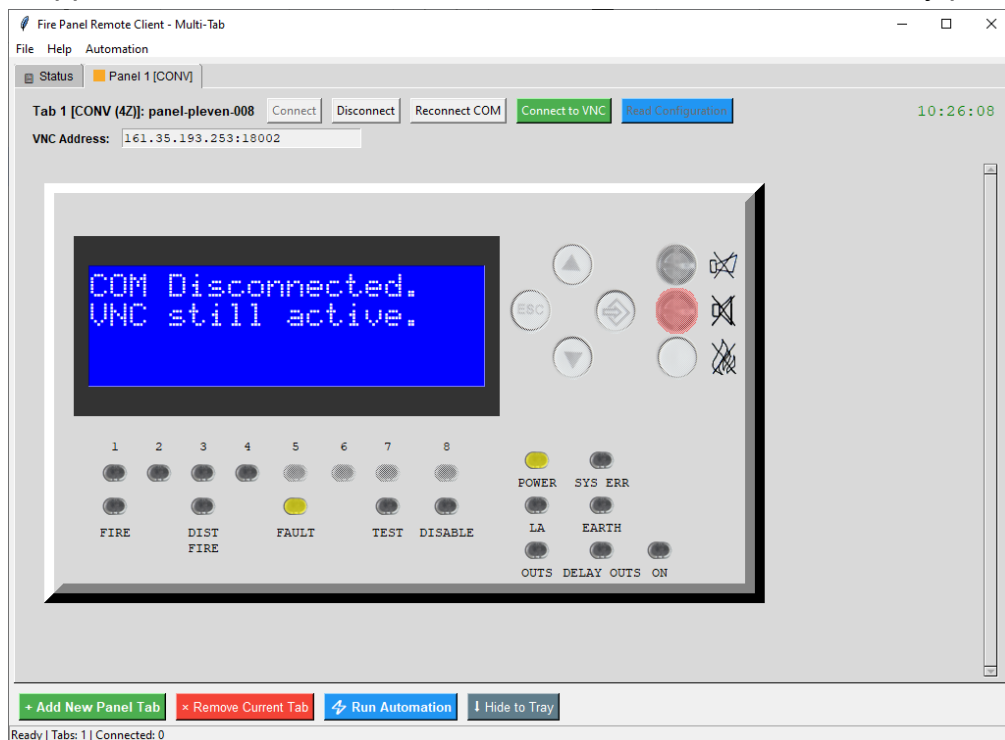
panel-pleven-008

Device Password:

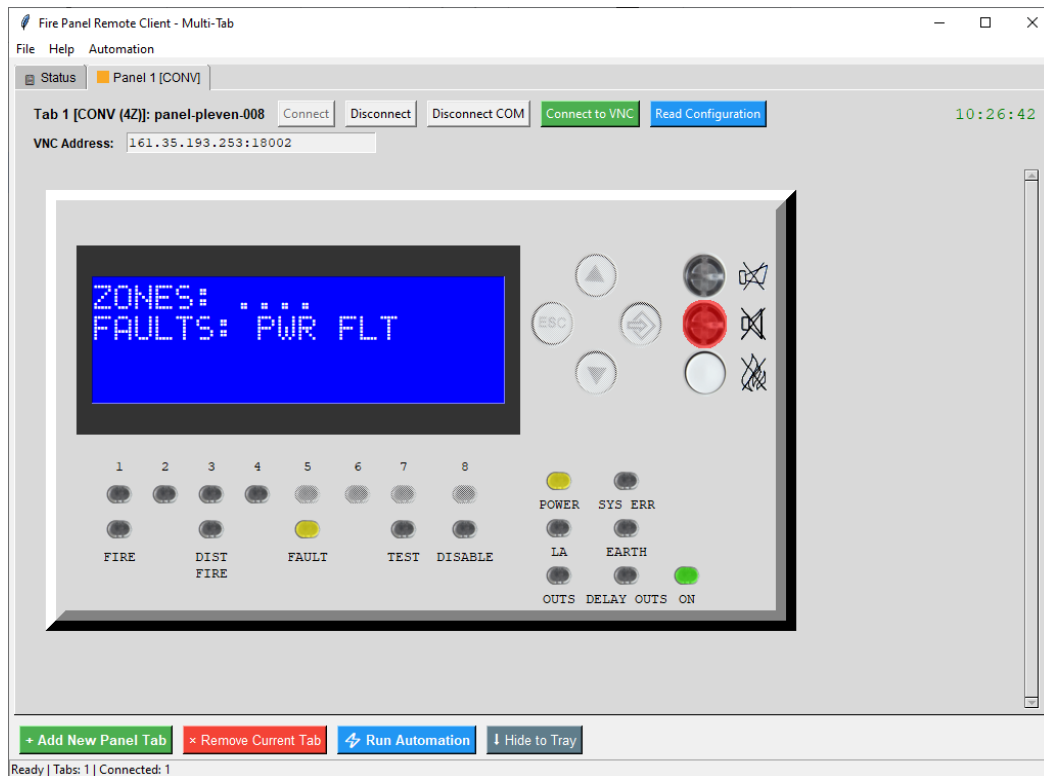
Save

Close

After exiting the VNC connection, using the “Disconnect and Reset” button, it is apparent that the connection from the main software is currently paused:



Press the “Reconnect COM” button to restore the software’s communication with the control panel, and continue monitoring and management:

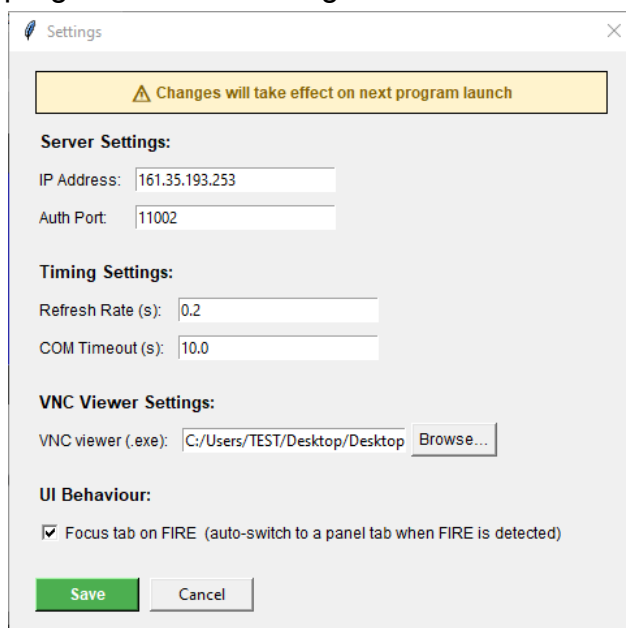


When pressing the “Disconnect” button, closing the tab (“Remove Current Tab” button), or closing the entire application - the connection with the control panel is interrupted, and the module enters standby mode.

3. Other settings and menus of DMTech Fire Panel Remote Client software

4.1. “Settings” menu

The settings menu is accessed by navigating from the top menu items of the program: File -> Settings



The available settings are:

- IP Address - this is the address of the DMTech cloud service; by default it is set correctly -**The only change needed is if there is a restructuring of our cloud resources.**
- Auth Port - the network port used to communicate with the cloud server at the given IP address. Like the address, this does not need to be changed.
- Refresh Rate - how often the panel information is updated, in seconds. Default values are **0.2 s (5 times per second)** and **0.5 s (2 times per second)**.
- COM Timeout - seconds after which the connection is terminated if there is no data flow. It can be increased for slow or intermittent internet connections. The default value is **10 s**.
- Path to vncviewer.exe - VNC Viewer software is required to connect to VNC. To use automatic connection, please specify the path to the downloaded software. **Note: All types of VNC Viewer software can connect to our service, but TigerVNC Viewer and TightVNC Viewer for Microsoft Windows 10/11 x64 are officially supported and tested.**
- Focus Tab on FIRE - automatically displays the tab in which there is a fire when one appears during monitoring.
- Button “**Save**” allows you to save the settings, but some of them will only be applied the next time you start the software.

4.2. “Automation” Menu

This menu is accessed either from the “Run Automation” button at the bottom of the interface, or from Automation -> Settings & Run... at the top.

Automation — Device List Editor

Automation Mode:
☐ Enabled (auto-start on launch) ☒ Disabled

CSV file: devices.csv Browse...

Add Device:
Device ID: Password: + Add
☒ Addressable ☐ Conventional Addr: 2813 Zones: 8 Network Address: 1

Device List: (5 devices)

panel-pleven-003,		addressable,2813,8,1,1
panel-pleven-008,		conventional,1000,4,1,1
panel-pleven-002,		addressable,2813,8,2,0
panel-pleven-004,		addressable,2813,8,2,1
		conventional,1000,8,1,0

Remove Enable/Disable Edit Connect Save&Run Save Cancel

Automation allows automatic connection to one or more panels, manually with a trigger button, or automatically upon software startup.

The “Automation Mode” setting changes the mode - automatic when the software is turned on, or manual.

The path to the .csv file allows sharing and exchanging automation “profiles” that are stored in the given file.

The “Add Device” interface allows you to enter the name and password of the module you want to connect to, as well as set the type of control panel - addressable or conventional, and the number of zones and its address. By pressing the “Add” button, the device is added to the list. By pressing the “Remove Selected” button, a selected device can be deleted from the list. **Note: For an addressable control panel, data about the address and number of zones is automatically filled in, but this does not affect the operation in any way! This is for the purpose of a unified format for storing data and should not bother you.**

The “Save & Run Now” button saves the configuration and runs it immediately, connecting to the specified panels in new tabs. The “Save” button only saves the configuration changes.

The Remove, Enable/Disable, Edit and Connect buttons allow, respectively: removing a device from the list, enabling/disabling a device from automatic connection (without removing it from the list), editing a device, or directly connecting to the selected device.