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USB Action File
How to load program from USB action file

Insert USB into the PLC. If the PLC recognises the USB Action file then the USB led will go solid green. Press the 'Confirm' button briefly (press & release), the USB led will blink green and then go solid green BUT you need to decide if the action completed successfully or not.

If the action is NOT successful the PLC will write a .txt file to the USB stick. If the action was successful then there will not be a file.
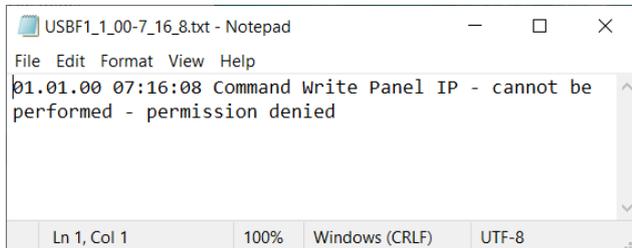
USBF1_1_00-7_16_8.txt - Notepad
File Edit Format View Help
01.01.00 07:16:08 Command Write Panel IP - cannot be performed - permission denied

Ln 1, Col 1   100%   Windows (CRLF)   UTF-8

The filename is USBF followed by a time stamp and the extension .txt

Here an attempt to change the IP address failed because the Update IP address box was not checked.

Note that when you plug the USB stick into the PLC and press the confirm button the RUN LED may start blinking, this indicates that a PLC reset will be required. You need to press the Confirm button to acknowledge this before the USB action executes.

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Useful Information from Help file below-

Executing USB Actions

Open the PLC's top door, and plug the USB drive into the PLC's USB port. The PLC detects the USB drive, and checks the file; if the file is validated, the USB light turns a steady green.

Press the Confirm button on the front of the PLC to run the file and execute the Actions.

When the file starts running, the USB LED begins to blink, and blinks while the Actions are in progress.

Monitor the LED indications:

If the Actions were executed successfully, the USB LED will be steady green. If the Actions require PLC reset, the RUN LED will blink green; press the Confirm button to restart the system. Note that after restart, the PLC will be in Run mode.

If the Actions did not execute successfully, the Error LED will also blink red; disconnect the USB drive to dismiss the error.

USB Actions LED Indications			
LED Colour & State			
RUN	ERROR	USB	Indication
		Green On	This LED turns steady green: 1. when a USB drive is detected with valid Action file(s), indicating that you can press CONFIRM to begin running them. 2. when the files on the USB ran successfully.
		Green blink	USB Action in progress.
Green blink		Green On	USB Action requires reset; press CONFIRM to restart system
	Red blink	Off	USB drive detected, but contains corrupt Action file(s)
	Red blink	Green ON	USB Action ran with error – disconnect the USB drive to dismiss the error.

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LED Indications

I/O LEDs	Colour	Indication	
Digital Input	Green	Input state	
Analog Input	Red	On: Input value is in Overflow	
Relay and Transistor Output	Green	Output state	

Status LEDs	Color & State		Indication
RUN	Green	On	Run mode
		Blink	This indication is in conjunction with the USB LED. See table below, USB Actions Indications, for details
	Orange	On	Start-up mode
		Blink	Stop mode
ERROR	Red	On/Blink	The Error LED can give indications in conjunction with the RUN and/or USB LED. See the next tables Error Indications and USB Actions Indications for details
USB	Green	On	A USB drive is detected that contains valid action file(s).
		Blink	USB Action in progress
BATT. LOW	Red	On	Battery is low or missing
FORCE	Red	On	I/O Force on

Error Indications	LED, Color & State			
	RUN	ERROR	USB	Indication
		Red blink	Off	One or more of the Actions in the USBF.xml file is corrupt – disconnect the USB drive to dismiss the error
		Red blink	On	One or more of the Actions in the USBF.xml Action has failed – disconnect the USB drive to dismiss the error
		Red blink	On	HW Configuration Mismatch – the HWC in the UniLogic application does not match the Uni-I/O modules physically connected to the PLC
	Orange blink	Red blink		Application Invalid or Version Mismatch (UniLogic version is not supported by device firmware)
		Red On		Uni-I/O Error (check wiring connections)
	Orange blink	Red On		OS/Application error