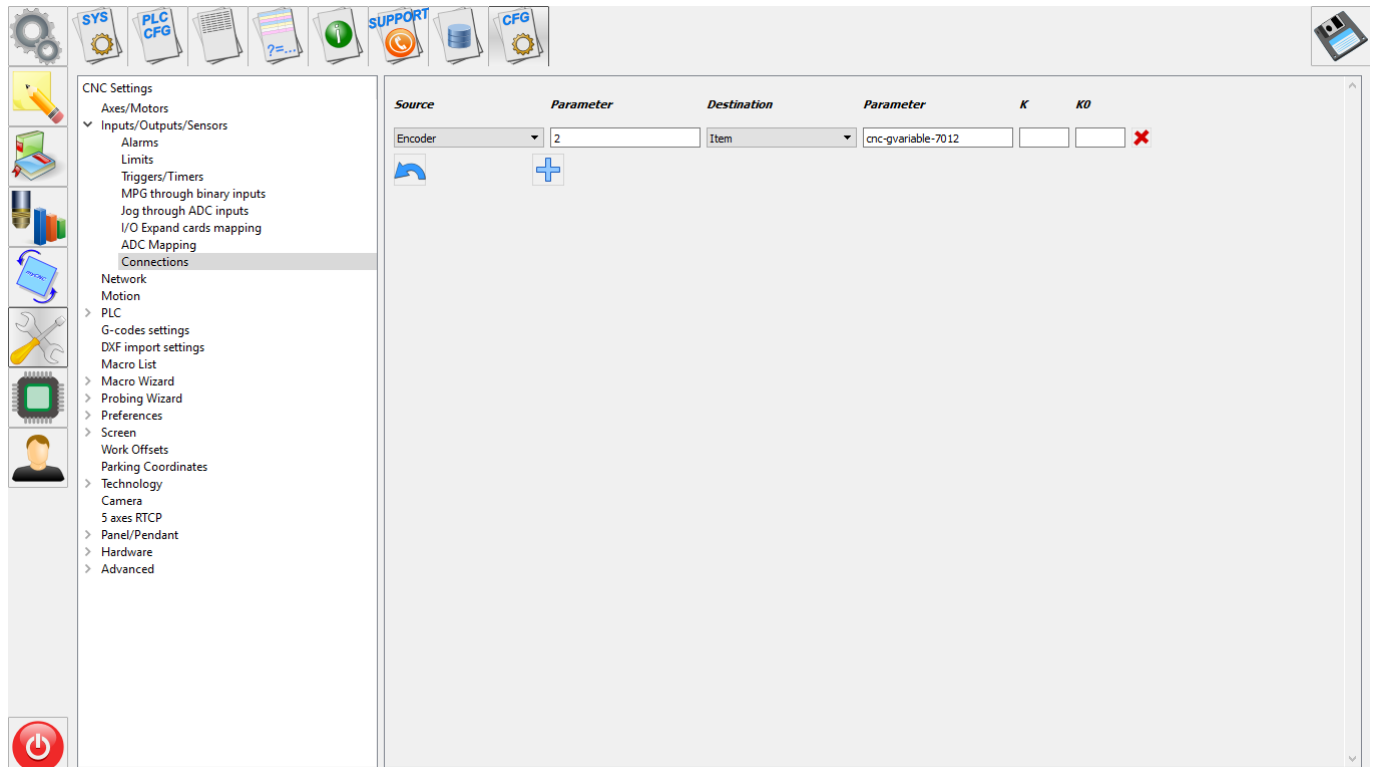


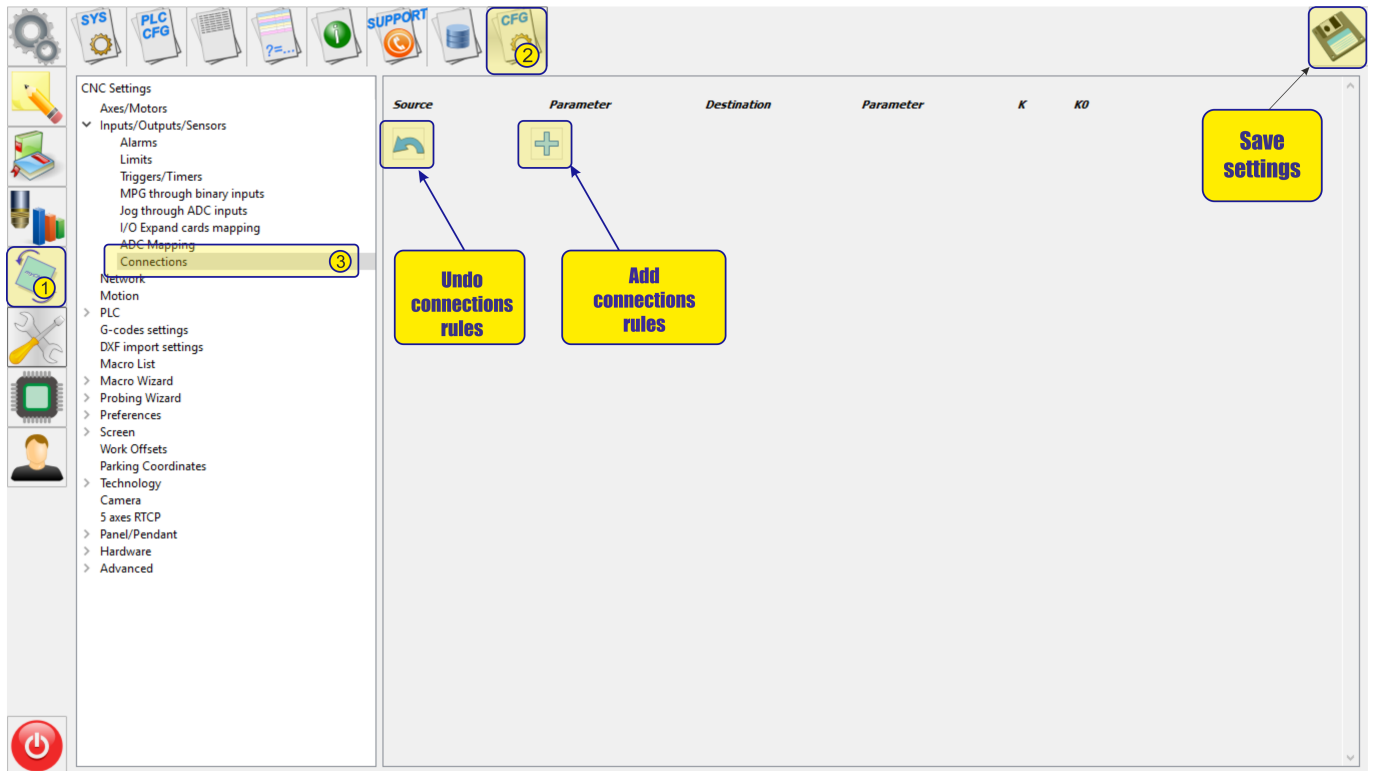
Connections

- This function allows you to directly forward the value of the selected register or port to control the selected function, and allows you to redirect the selected register or port to another port and the controller register. For example, controlling the pwm value through the value of the analog input, controlling the value of the global variable via the analog input, controlling the value of the output register through the value of the selected input register. This function allows you to control inputs and outputs without the use of PLC procedures.

Main window:



Basic functions:



- To set a new rule, simply add a new connection using the corresponding “+” icon in the program

Source	Parameter	Destination	Parameter	K	KO
Not Defined		Not Defined			

- Next, select the input register for the connection. Register, the values of which will be converted subsequently to the value of the output register or input or variable.

Source	Parameter	Destination	Parameter	K	KO
Not Defined		Not Defined			
<div> <div>Not Defined</div> <div> <div>+</div> <div></div> </div> <div> ADC DAC PWM Input Pin Input Port Output Pin Output Port Encoder Global Variable </div> </div>		Not Defined			

Source	Parameter	Destination	Parameter	K	KO
Not Defined		Not Defined			
<div> <div>Not Defined</div> <div> <div>+</div> <div></div> </div> <div> DAC PWM Input Pin Input Port Output Pin Output Port Encoder Global Variable Item XItem </div> </div>		Not Defined			

- The parameter value is set as required. Variants of the parameter values are given in the table.

Name input	Parametr
ADC	Number of input ADC chanel

Name input	Parametr
DAC	Number of output DAC channel
PWM	Number of output PWM channel
Input Pin	Number of input pin
Input Port	Number of input port
Output Pin	Number of output pin
Output Port	Number of output port
Encoder	Number of encoder
Global Variable	Number of global variable
Item	name of item
XItem	name of xitem



- The next step is to select the desired output control, such as register, port, global variable, etc.

- The parameter value is set as required. Variants of the parameter values are given in the table.



Name input	Parametr	K K0	
ADC	Number of input ADC channel	0	0
DAC	Number of output DAC channel	0	0
PWM	Number of output PWM channel	PWM works according to the formula $Kx + K0$. Where "X" is the value of the input parameter. A K and K0 are given coefficients	
Input Pin	Number of input pin	0	0
Input Port	Number of input port	0	0
Output Pin	Number of output pin	0	0
Output Port	Number of output port	0	0
Encoder	Number of encoder	0	0
Global Variable	Number of global variable	0	0
Item	name of item	0	0
XItem	name of xitem	0	0

- Simple1. The value of the encoder number 2 changes the value of the global variable number 7012


- Simple2. The value of the ADC channel number 3 changes the value of the global variable number 7012

Source	Parameter	Destination	Parameter	K	K0	
ADC	3	Item	cnc-gvariable-7012	0.1	-180	✖
						

- Simple3. The value of the ADC channel number 3 changes the value for output DAC channel 1

Source	Parameter	Destination	Parameter	K	K0	
ADC	3	DAC	1	0	0	✖
						

- Simple4. The state of the input pin 4 is transmitted to the output pin 1. I.e. at the value of input pin 0, the output is switched off, and at the value of input pin 1, the output is switched on.

Source	Parameter	Destination	Parameter	K	K0	
Input Pin	4	Output Pin	1	0	0	✖
						

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