## Show Custom Message Box from PLC

In order to create a custom popup window in myCNC software for an event like an emergency button press, a software PLC procedure can be added to the myCNC software for the user's specific needs and requirements. In order to do so, go to CNC Settings > PLC > Software PLC, then create a new popup window following the instructions below:



## 1. Press the Create New button in the Software PLC window

## 2. Name your new window and press the **Confirm** button

Image: State     Image: State     Image: State       Image: State     Image: State     Image: State       Image: State     Image: State     Image: State			
CNC Settings	PLC Sources	Name:HANDLER_SERVO_( Aliases:	
Axes/Motors Inputs/Outputs/Sensors Network Motion PLC Hardware PLC Hardware PLC: XML configs PLC Configuration Software PLC	BV17 HANDLER_EXIT HANDLER_GCODE_START HANDLER_GCODE_STOP HANDLER_INIT HANDLER_INIT	main() { exit(99); };	
G-codes settings DXF import settings Macro List Macro Wizard Probing Wizard Preferences Screen Work Offsets Parking Coordinates Technology Camera 5 axes RTCP Panel/Pendant Hardware Advanced	Add PLC procedure: MESSAGE_BOX_03	<u>↓</u>	
	func.h	BV17: OK HANDLER_EXIT: OK HANDLER_GCODE_START: OK HANDLER_GCODE_STOP: OK HANDLER_INIT: OK HANDLER_SERVO_ON: OK MESSAGE_BOX_01: OK	

3. Click Save and Build	d All			
SYS PLC Log Stat Info	Config			
CNC Settings Axes/Motors Inputs/Outputs/Sensors Network Motion PLC Hardware PLC Configuration Software PLC G-codes settings DXF import settings Macro List Macro Wizard Probing Wizard Proferences Screen Work Offsets Parking Coordinates Technology Camera S axes RTCP Panel/Pendant Hardware Advanced	PLC Sources		Name: MESSAGE_BOX_01 Aliases: main() { }; }	
	[func.h	+	BV17: OK HANDLER_EXIT: OK HANDLER_GCODE_START: OK HANDLER_GCODE_STOP: OK HANDLER_INIT: OK HANDLER_SERVO_ON: OK	

At this point, the popup window's code must be edited to appear when a specific event occurs.

4. Copy and paste the following code into the window, then click **Save** and **Build All** again:

```
main()
{
    do
    {
        if (portget(3)!=0) //Port 3 is used here. Use the actual port number for
        your particular setup
        {
            gvarset(9101,1); //Brings up window 01. Windows 01 through 63 can be
        assigned to different tasks
        };
    }while(1);
};
```

5. In order to edit the newly created window, we can open CNC Settings > Screen > Popup Messages, and then press **Create New** 



6. Fill in the information regarding your new popup window and press the **Save** button. The Hide Timeout field is in seconds.

SYS     PLC     Log     Stat     Info       Image: Constraint of the stat     Image: Constraint of the stat	weppert Curchar Config	
CNC Settings Axes/Motors Inputs/Outputs/Sensors Network Motion * PLC Hardware PLC Hardware PLC: XML configs PLC Configuration Software PLC G-codes settings DXF import settings Macro Uist Macro Wizard Probing Wizard Probing Wizard Probing Wizard Propup Messages 3D Visualisation Work Offsets Parking Coordinates Parking Coordinates Saxes RTCP Panel/Pendant Hardware Advanced	pup Message # Position X Y Size 600 × 100   Header Test Message 01 Size × Font Size 40   Message This is a test message Size × Font Size 20   Footer Height × Font Size Z   Button Image Size × Action	

At this point, whenever the selected port will send a message to a controller (for example, when a button is pressed), the software should bring up a popup window that will go away after the number of seconds specified in the Hide Timeout field.

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## **Deprecated version**

Showing a custom message box in older software

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