Schneider/Telemecanique PLCs with Unity Pro XL software

These procedures are based on Modicon M340 PLC. If any challenges arise, refer to the user manual

Software Backup Procedure

- 1. Connect the communication media e.g. USB / Ethernet cable between the PLC and PG using the respective port
- 2. Double click or R-Click the app icon to open the Unity Pro XL programming software



3. In the menu bar, go to **PLC** and select **Standard Mode** from the dropdown

PLC Help						
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Save Data from PLC to File						
Safety/Maintenance	Ctrl+Shift+M					
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4. In the menu bar, go to **PLC** and select **Set Address...** from the dropdown

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- 5. Set the **communication parameters** according to the media used
- 6. Click **Test Connection** to prove possibility of information exchange between the PLC and PG

Set Address		? ×
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USB ~ Communication Parameters	TCPIP ~ Communication Parameters	OK Cancel
Speed rate auto-adaptation at the end of dow	wnload	Help

7. Feedback will indicate whether connection was successful or not

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✓ Speed rate a	auto-adaptation at the en	nd of download		Help

This isn't a valid PLC Address, or PLC is busy, or media is off.

Test Connection

ΟK

Cancel

Help

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8. Select PLC and then Connect to establish connectivity between the PLC and PG

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9. Go to PLC form the menu bar and select Transfer Project From PLC

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- 10. In the transfer project from PLC window, click the **Transfer Project From PLC** button
- 11. Wait for the transfer progress bar to complete. The project window is opened automatically with < **No name** > project at the top



- 12. Save the Project with desired name and location using the **Save / Save as** option in the **File** menu.
- 13. Go to PLC then Disconnect from the PLC before unplugging the comm medium



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How to Restore / Upload Software Backup

- 1. Establish connection to the PLC with the appropriate media and communication parameters
- 2. Take a backup of the running program and store a copy in a safe accessible location.
- 3. Go to File and click Open.

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File View Tools PLC Help			
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2 FILLER-30-06-2024.STU			
3 D:\BACKUPS\\MIXER_V4.STU			
4 conveyors_dryzone_5-7-2024.stu			
5 CONVEYORS_DRYZONE_OLDPANEL_5-7-202	4.stu		
6 BottleWasher_05-07-2024.STU			
<u>7</u> filler-5-2024.stu			
8 Filler_Safety_final_2024.STU			
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- 4. Navigate to the location of the project you want to upload to the PLC and open it. The project window opens.
- 5. Select **PLC** form the menu and then **Connect**

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6. Go to the PLC menu and select **Transfer Project to PLC.** Transfer Project to PLC window opens.

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7. Check the **PLC Run After Transfer** checkbox and then click the **Transfer** button.

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Name:	Project	Name:	Project	
Version:	0.0.30	Version:	0.0.30	
Last Build:	13/08/2017 14:09:12	Last Build:	13/08/2017 14:09:12	
🕑 PLC Ru	n after Transfer			

8. Acknowledge the **OK** button on the Stop prompt dialogue box to stop the current project.

Stop		×
?	PLC Project: Name: Project Version: 0.0.30 Last Build: 13/08/2017 14:09:12 Confirm Stop on this Project?	
	OK Cancel	

9. Wait for the project transfer progress bar to complete

Project transfer		
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	PostProcessing4 : [MAST]	

10. Acknowledge the **OK** button on the Run prompt dialogue box to run the uploaded project



11. Disconnect from the PLC

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