

Weintek HMI to RSLogix 500 Ethernet PLCs



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Introduction: This instruction manual discusses how to export tags from Allen Bradley RSLogix 500 and import tags into EasyBuilder Pro. In RSLogix 500, programmers can assign a “symbol” to the memory address in Data File. (B3, N7, F8, etc.) Now EasyBuilder Pro supports importing these symbols to its Tag Library, so HMI programmers do not need to type PLC addresses in each object manually. This feature makes integration quick.

Note: This feature is available for RSLogix 500 PLCs with Ethernet connectivity. Please use **Rockwell EtherNet/IP (DF1)** driver in EasyBuilder Pro.

Equipment & software: EasyBuilder Pro v6.02.02.428 or greater.

Exporting the PLC tags (PLC Side):

1. Open your project in RSLogix 500.
2. The tag names must be applied to the addresses before exporting the tags. (in **Data File** dialog » **Symbol** box)
3. To start the export process, go to [Tools] on the toolbar » [Database] » [ASCII Export].
4. The dialog will pop-up. Go to [CSV] tab. [**Address/symbol Desc.**] is checked by default. If no, please check this option.
5. Click **OK** and save it to the desired location.

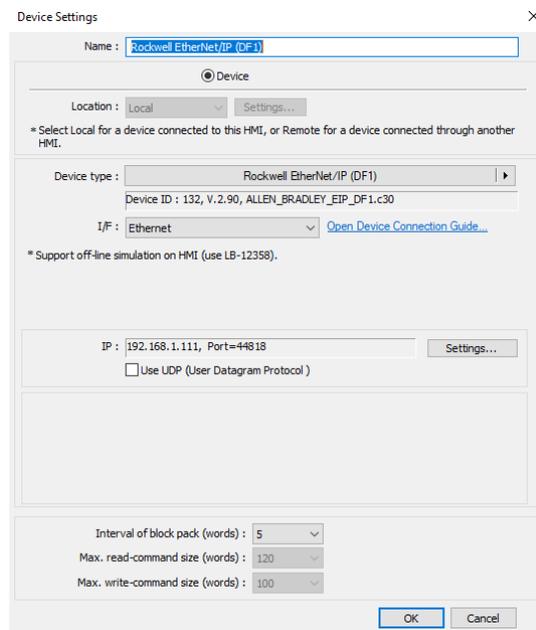
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Importing the PLC tags (HMI Side):

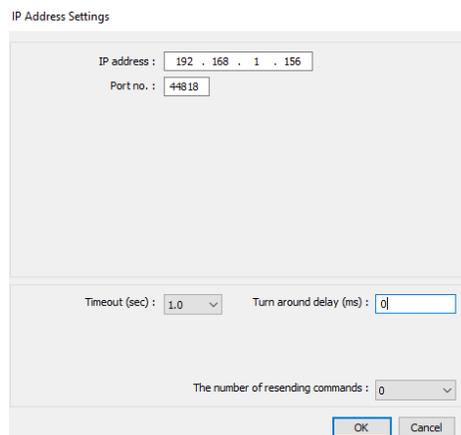
1. Open a new project in Easybuilder Pro and select your HMI model.
2. To get the HMI talking to the MicroLogix PLC, go to [Home] tab » [System Parameters].



3. Add [Rockwell EtherNet/IP (DF1)] driver to the Device List.

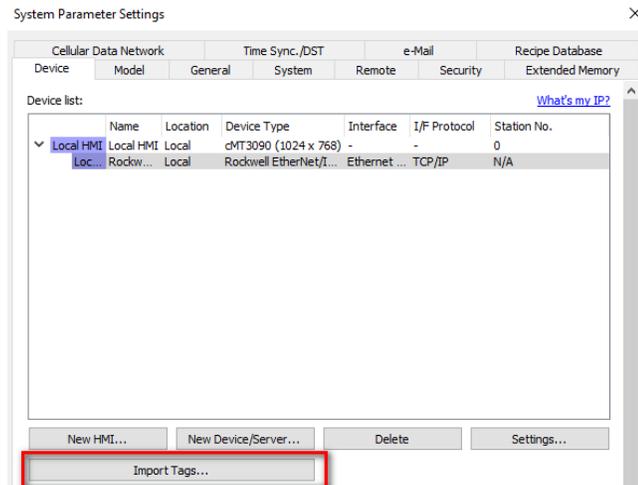


4. Click on [Settings...] on the previous window. Enter the IP address and port number.

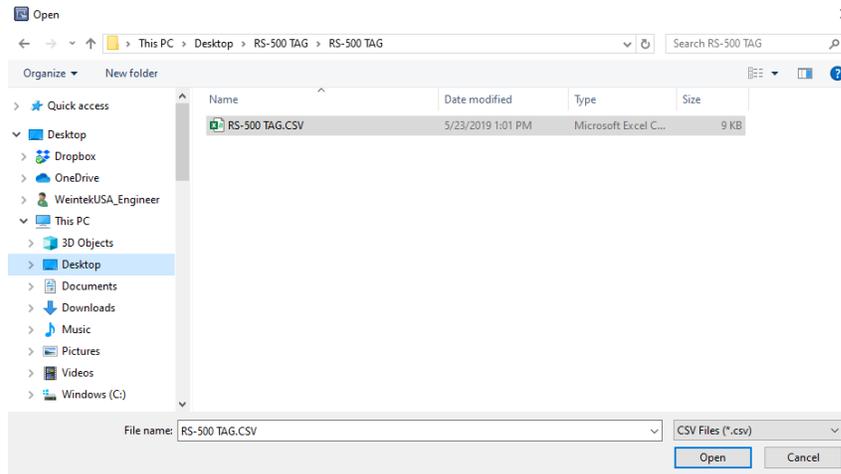


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5. Click [Import Tags...] button.

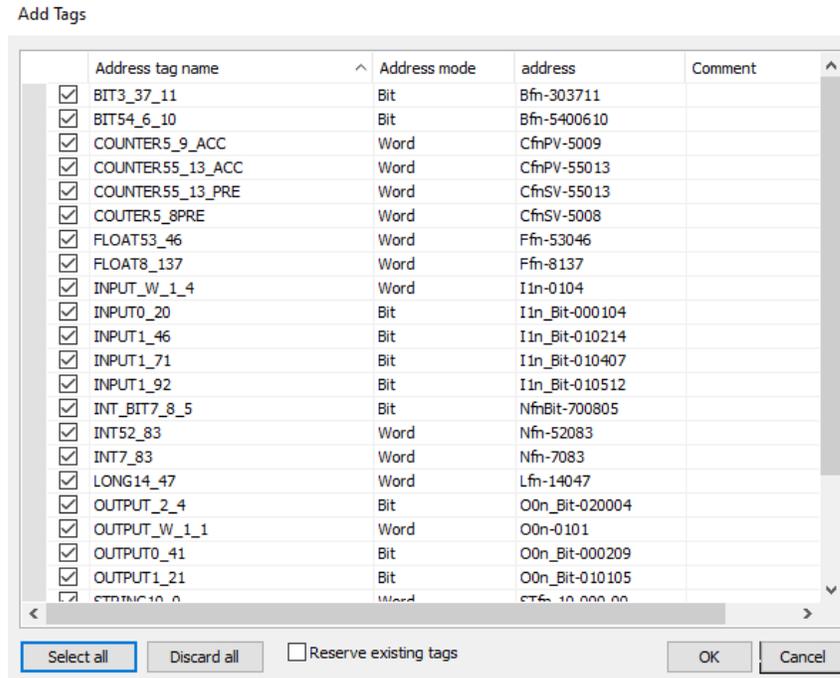


6. Navigate to the generated CSV file. Click **Open**.

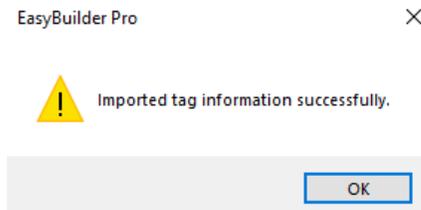


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7. Select tags that you want to import or click [Select all] to import all tags.

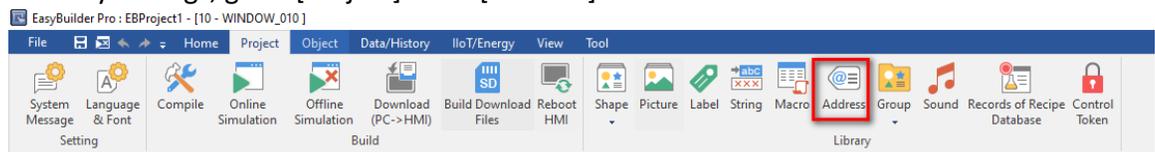


8. If it succeeds, the below dialog will come up. Click **OK**.



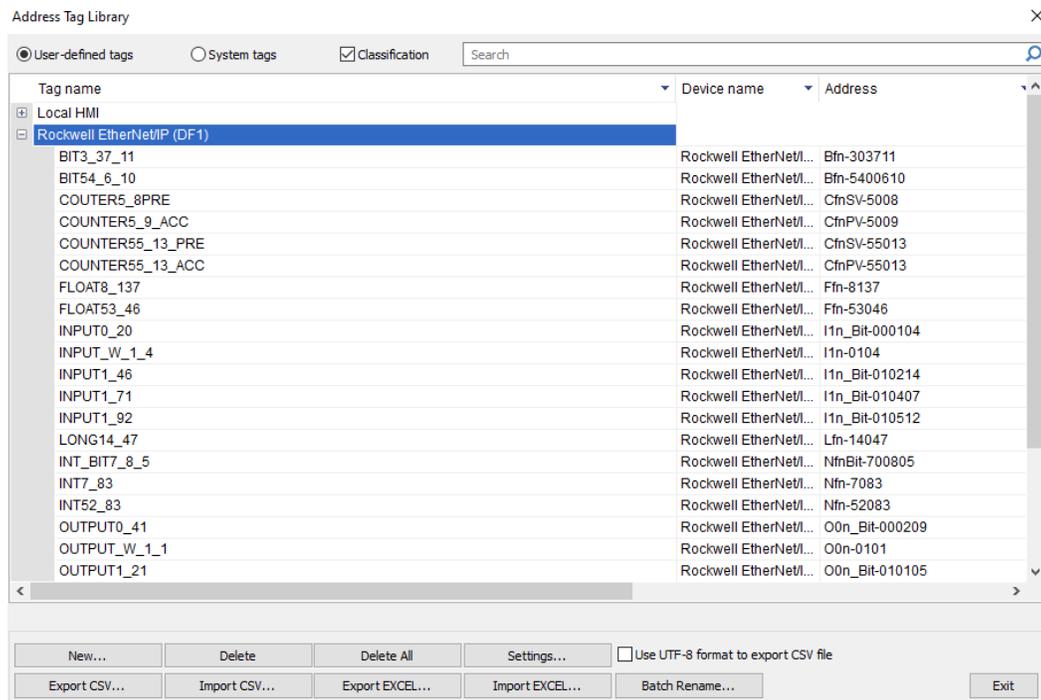
9. Click **OK** to close the [System Parameter Settings] dialog.

10. To see your tags, go to [Project] tab » [Address].



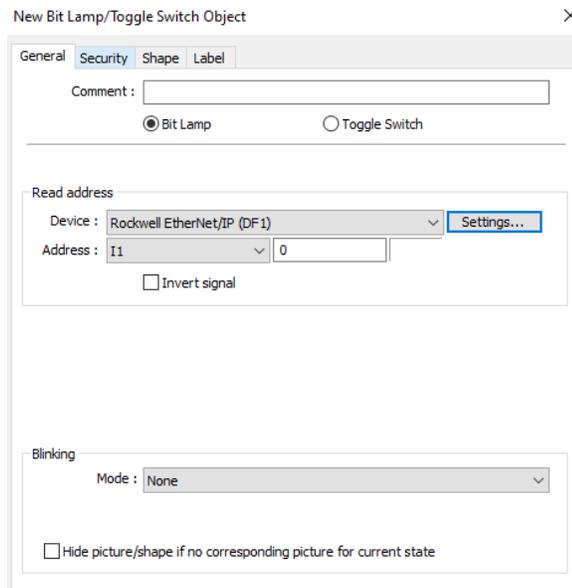
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11. The tags will be displayed on **User-defined tags**.



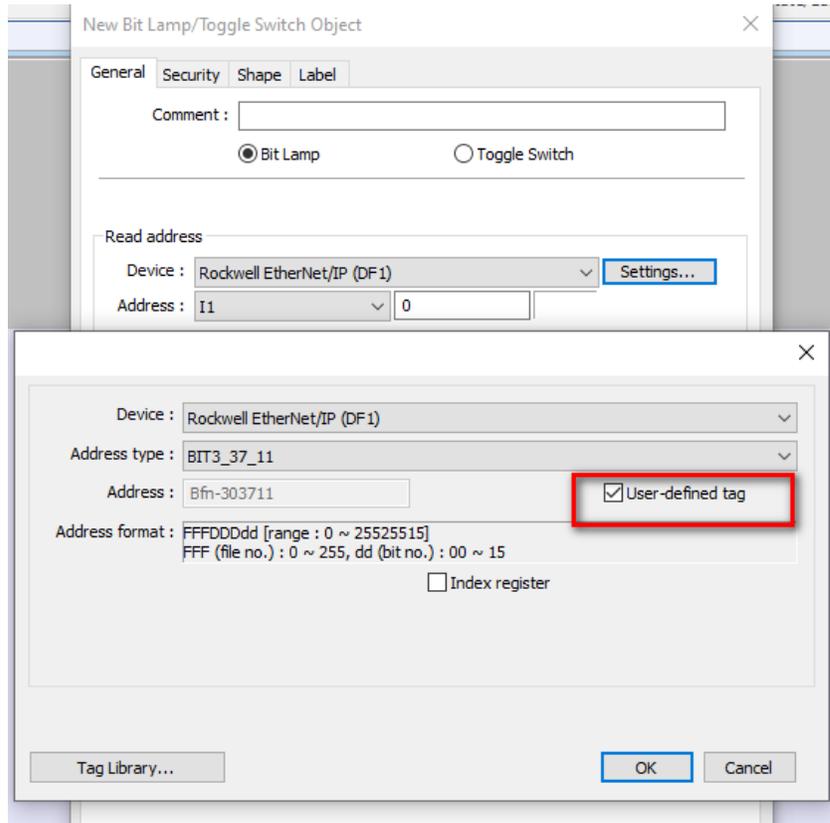
Example of HMI Programming:

1. Create a **Bit Lamp** object. To select the tag from Tag Library, click on [Settings...].

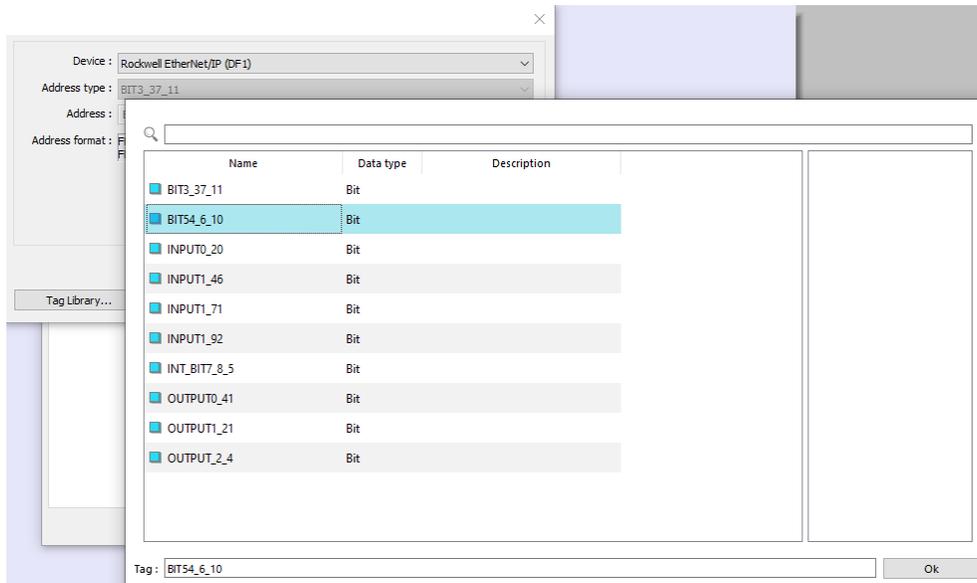


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2. Enable [User-defined tag] check box.

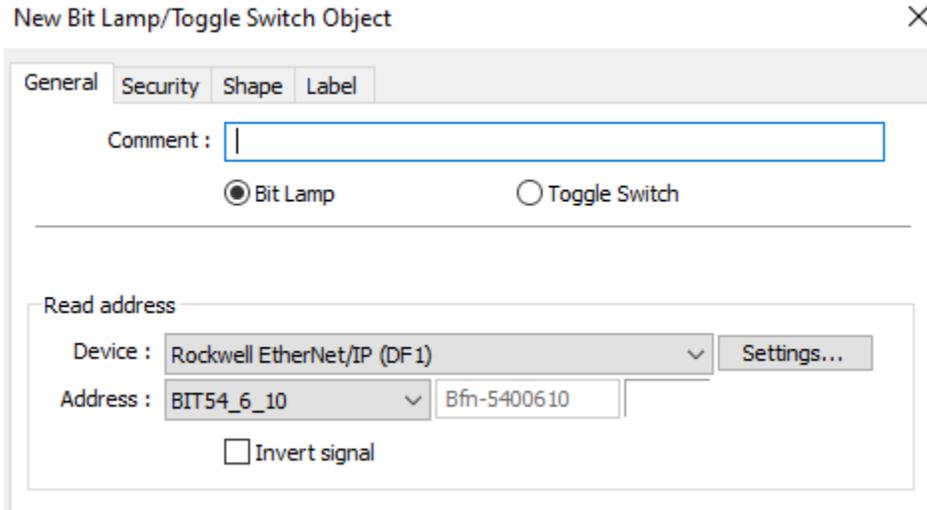


3. Click on **Address type**. Select the tag and click **OK**.

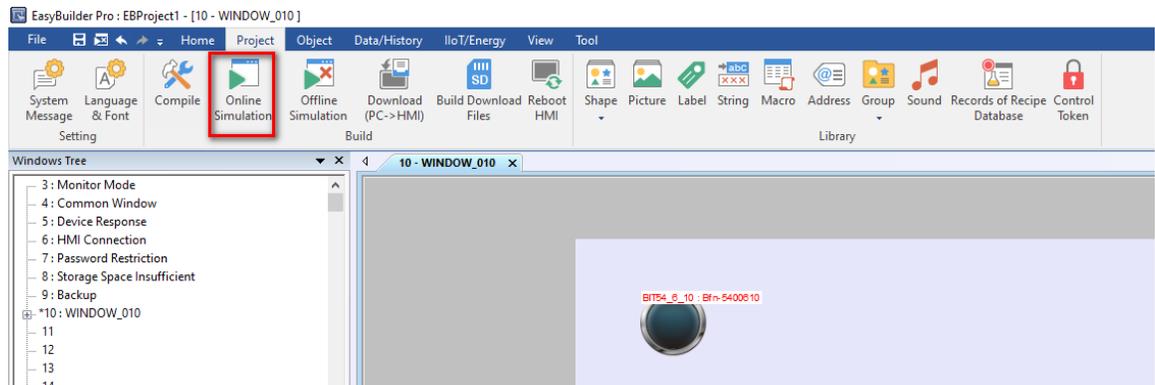


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- This Bit Lamp object is used to read states of **B54:6/10**.



- Go to [Project] tab » [Online Simulation] to run online simulator.



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Founded in 1996, WEINTEK LABS is a global-leading HMI manufacturer and is dedicated to the development, design, and manufacturing of practical HMI solutions. WEINTEK LAB's mission is to provide quality, customizable HMI-solutions that meet the needs of all industrial automation requirements while maintaining customer satisfaction by providing "on-demand" customer service. WEINTEK LABS brought their innovative technology to the United States in 2016, WEINTEK USA, INC., to provide quality and expedient solutions to the North American industrial market.

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