

CONTROLS & DRIVES LTD

The Industrial Automation Specialists

Programmable Controllers Engineering Software



Technical Tip:

GX Works3 using 'Module Configuration' Setup Guide



Part of the **B P X** Group

GX Works 3 using 'Module Configuration' Setup Guide

1: Start up GX Works3

	MELSOFT
Programmable Controllers Engineering Softwa	re
GX Works3	
Version 1	
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2. Click on 'Project > New'

New		Х
Series	FX5CPU	~
Туре	罾 FX5U	\sim
Mode		\sim
Program Language	\rm Ladder	\sim
	Ladder	
	SFC	
	📲 FBD/LD	
	Do not Specify	

At this point you will have a selection on which PLC you would like to set up and what style of programming language to use. In this example we will be setting up this project with a R-Series PLC in FBD/LD programming mode.

New		×
Series	🐗 RCPU	~
Туре	R04EN	~
Program Language		~
Program canguage		v
	ОК	Cancel

Click 'OK' once selected.

3) Your project will now be generated with a PLC that is NOT setup correctly.



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Click on 'OK'

SOFT	GX Works3	
j	Add a module. [Module Name] R04EN0 [Start I/O No.] 3E00	CPU
Mod	ule Setting	Setting Change
Mo Sar	dule Label:Not use nple Comment:Use	^
		V
	Not Show this Dialog Again	OF

4) Setting up PLC in Module Configuration.

In the Navigation window click on 'Module Configuration', here you will setup the PLC hardware, as this is a R series PLC, this will consist of Main CPU, Power Supply, Main Base and Optional Modules.



On the right hand side you will see an 'Element Selection Window'

Element Selection				φ×
(Find POU)		🚜 🐴 i	M (**	
u- x ∰ ☆ 🖿 X	< 🖬 -			
Display Target:	All			~
iQ-R Series				^
Main Base				
Extension Base				
RQ Extension Base				
PLC CPU				
Process CPU				_
SIL2 Process CPU				_
Safety CPU				_
C Controller				_
Head Module				_
Motion CPU				_
NCCPU				
Robot CPU				_
Power Supply				_
CPU Extension				
Input				
Output				
		\wedge	Δ	

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Firstly Chose the correct Main Base and Power Supply. You will need to Drag and Drop the modules using the graphical interface as it will be configured in real life.

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Example: Move The CPU into the correct slot followed by all other modules.



IMPORTANT:

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As this is R04EN CPU there is also an additional extension module to add as this one takes up two slots, this applies to all CPUs which take up two slots. This located in 'CPU extension' Category.



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PLC Configuration with Modules:

POW	CPU	0	1	2	3	4
R61P	СРИ	EXT	Input	Output	Analogue	Analogue Output

Once this has been completed. You will need to 'Fix' Parameters.

Click on 'Edit > Parameter > Fix(S)'

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You will get this warning message Click on 'Yes'



A few more windows will pop up after this, these are just confirming your choices. You will need Click 'OK'

to them all.

5) PLC configuration complete.

Now just Click on 'Convert' and 'Rebuild All' to refresh program.



All Done.

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