

Productivity^{3000™}

Software Overview

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Part 1 of 4

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00:56.09 – Software Highlights!

02:45.02 – Choose a PAC, Connect, Run and Monitor

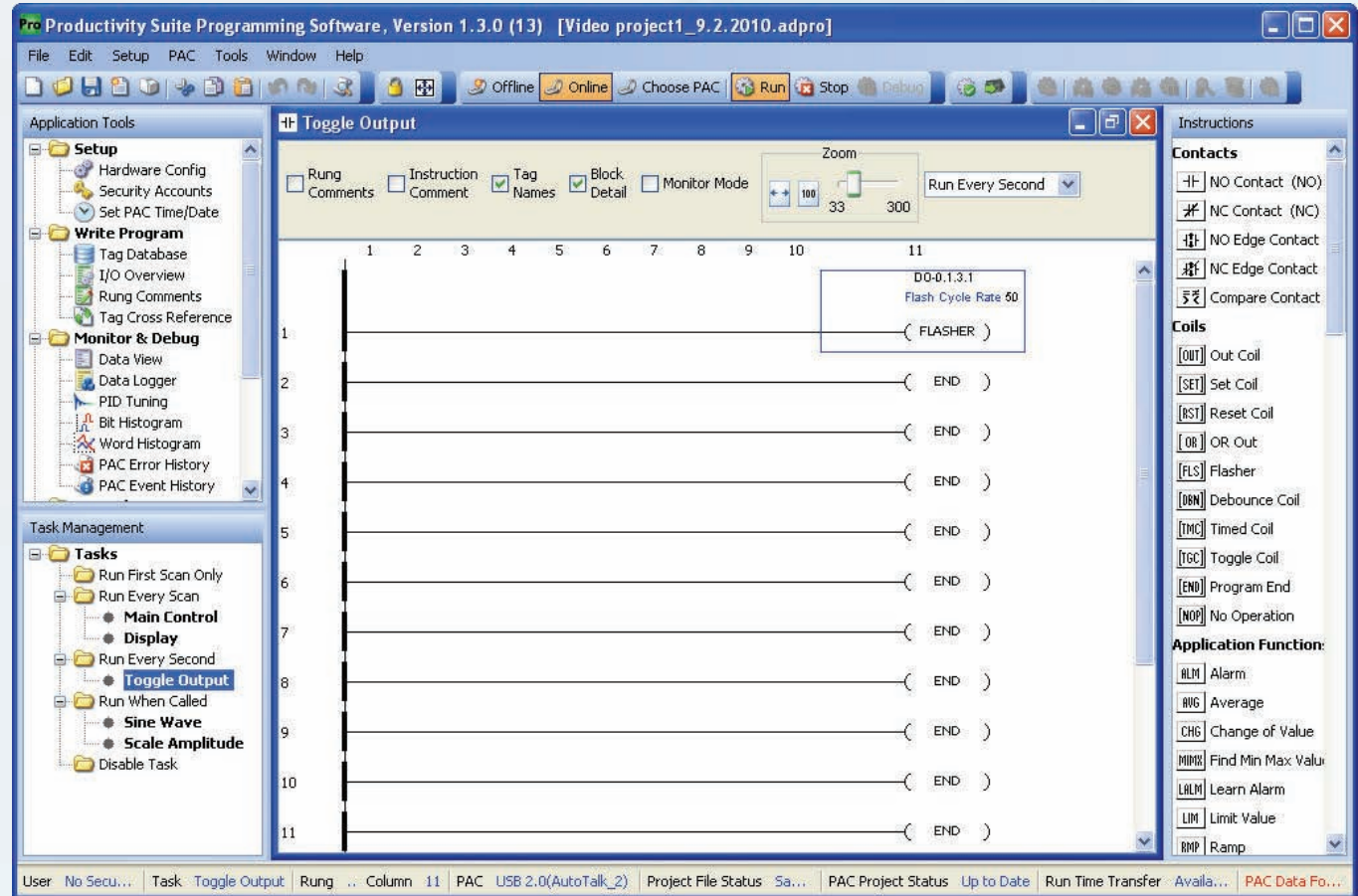
03:33.12 – Setting Hardware Configuration

07:23.15 – Tag Name Database Features



Productivity 3000 Software Highlights!

- Full Featured Software (free download)
- Auto Setup & Discovery of Hardware allows Quick Configuration
- User's Project and all Documentation Stored in CPU's Memory
- Task Management Panel Organizes Project
- Tag Name Database
- Advanced Fill in the Blank Instructions
- Graphical HTML Help
- Transfer projects to and from CPU using USB pen drive



Choose a PAC, Connect, put in Run Mode and Monitor logic status.

- Click the 'Choose PAC' icon on the Control PAC Toolbar.
- Select the PAC to be used and click 'Connect'.
- Click 'Run' on the Control PAC toolbar and click 'Yes' to place the PAC in Run Mode.
- Select the 'Monitor Mode' check box at the top of the Ladder Logic screen to display the status of Boolean and Integer Tag Names.

Pro Productivity Suite Programming Software, Version 1.3.0 (13) [Video project1_9.2.2010.adpro]

File Edit Setup PAC Tools Window Help

Offline Online Choose PAC Run Stop Debug

Main Control

Pro PAC Connections

Connection Type	Device Part Number	MAC ID	User Assigned PAC Name	IP Address	PAC Source	PAC Connection
USB 2.0	P3-550	00 50 c2 2c b2 9d	AutoTalk_2	10.1.60.23	Auto-Discovered	Available
Ethernet	P3-550	00 50 c2 2c b0 74	Dorothy	192.168.16.86	Auto-Discovered	Available
Ethernet	P3-550	00 50 c2 2c b0 b6	PACOutOfNoWhere3	192.168.11.16	Auto-Discovered	Available
Ethernet	P3-550	00 50 c2 2c b0 f7	JPs TopRack	192.168.11.120	Auto-Discovered	Available
Ethernet	P3-550	00 50 c2 2c b1 8b	PACOutOfNoWhere2	192.168.11.15	Auto-Discovered	Available
Ethernet	P3-550	00 50 c2 2c b1 f1	WHC_5J176	192.168.11.176	Auto-Discovered	Available
Ethernet	P3-550	00 50 c2 2c b2 4f	superman	192.168.11.67	Auto-Discovered	Busy
Ethernet	P3-550	00 50 c2 2c b2 5f	Jtm Office	192.168.11.55	Auto-Discovered	Available
Ethernet	P3-550	00 50 c2 2c b2 67	PACOutOfNoWhere	192.168.11.14	Auto-Discovered	Available
Ethernet	P3-550	00 50 c2 2c b2 8d	Jtm 3 slot	192.168.11.89	Auto-Discovered	Busy
Ethernet	P3-550	00 50 c2 2c b2 f3	WHC_5J155	192.168.11.155	Auto-Discovered	Available
Ethernet	P3-550	00 50 c2 2c b3 0b	Lab Giant	192.168.11.138	Auto-Discovered	Busy
Ethernet	P3-550	00 50 c2 2c b3 15	JPs BtmRack	192.168.11.119	Auto-Discovered	Available
Ethernet	P3-550	00 50 c2 2c b3 19	Thwack	192.168.11.172	Auto-Discovered	Available
Ethernet	P3-550	00 50 c2 2c b3 21	Babaloo II	192.168.11.86	Auto-Discovered	Available

* in the PAC Source column indicates a connection through a non-CPU module

Connect Close Help



Setting the Hardware Configuration.

➤ Select 'Hardware Configuration' under Setup in the Application Tools window.

➤ Offline Configuration – drag & drop bases, I/O modules and drives.

➤ Online Automatic Configuration with PAC in 'Stop Mode'. Click 'Read Configuration' in the Hardware Configuration window.

The screenshot shows the 'Hardware Configuration' window in the Productivity Suite Programming Software. The window is titled 'Hardware Configuration' and contains a 'Read Configuration' button. The main area is divided into three sections: 'PAC Base Groups', 'Local Base Group # 00', and 'Hardware Components'.

PAC Base Groups:

- Local Base Group
- Remote Base Group #1
- Peripheral Devices

Local Base Group # 00:

Base	Module	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8
Base 1	P3-550								
	P3-08ND3S								
	P3-08ND3S								
	P3-08TD1S								
	P3-08TD1S								
	P3-08TD2S								
	P3-32TD2								
	P3-16DA-1								
Base 2	P3-EX								
	P3-16SIM								
	P3-16AD-1								
	P3-16DA-2								

Hardware Components:

- Base Chassis:** P3-03B, P3-05B, P3-08B, P3-11B
- Main CPU:** P3-550
- Discrete Input:** P3-08ND3S, P3-16ND3, P3-32ND3, P3-64ND3, P3-08NAS, P3-16NA, P3-16SIM, P3-08TD1S, P3-08TD2S, P3-16TD1, P3-16TD2, P3-32TD1, P3-32TD2, P3-64TD1, P3-64TD2
- Discrete Output:** P3-08TD1S, P3-08TD2S, P3-16TD1, P3-16TD2, P3-32TD1, P3-32TD2, P3-64TD1, P3-64TD2

Application Functions:

- BLM Alarm
- AVG Average
- CHG Change of Value
- MIN/MAX Find Min Max Value
- LRLM Learn Alarm
- LIM Limit Value
- RMP Ramp



Tag Name Database Features.

- Allows adding Tag Names to the database
- Organize memory based on the data types you need for your application
- System tags and discrete I/O tags are in the system by default
- Can easily create sequential Tag Names

The screenshot shows the 'Tag Database' window in the Productivity Suite Programming Software. The window title is 'Tag Database' and it contains a table of tags. A red arrow points to the 'Tag Database' button in the top toolbar.

Name	Type	Retentive	Init Value	Forceable	Init Forced	Init Force ...	Default Format	In Use	System...
AIS32-0.2.2.1	Analog Input, I...			<input type="checkbox"/>	<input type="checkbox"/>	0	Decimal	<input type="checkbox"/>	AIS32...
AIS32-0.2.2.10	Analog Input, I...			<input type="checkbox"/>	<input type="checkbox"/>	0	Decimal	<input type="checkbox"/>	AIS32...
AIS32-0.2.2.11	Analog Input, I...			<input type="checkbox"/>	<input type="checkbox"/>	0	Decimal	<input type="checkbox"/>	AIS32...
AIS32-0.2.2.12	Analog Input, I...			<input type="checkbox"/>	<input type="checkbox"/>	0	Decimal	<input type="checkbox"/>	AIS32...
AIS32-0.2.2.13	Analog Input, I...			<input type="checkbox"/>	<input type="checkbox"/>	0	Decimal	<input type="checkbox"/>	AIS32...
AIS32-0.2.2.14	Analog Input, I...			<input type="checkbox"/>	<input type="checkbox"/>	0	Decimal	<input type="checkbox"/>	AIS32...
AIS32-0.2.2.15	Analog Input, I...			<input type="checkbox"/>	<input type="checkbox"/>	0	Decimal	<input type="checkbox"/>	AIS32...
AIS32-0.2.2.16	Analog Input, I...			<input type="checkbox"/>	<input type="checkbox"/>	0	Decimal	<input type="checkbox"/>	AIS32...
AIS32-0.2.2.2	Analog Input, I...			<input type="checkbox"/>	<input type="checkbox"/>	0	Decimal	<input type="checkbox"/>	AIS32...
AIS32-0.2.2.3	Analog Input, I...			<input type="checkbox"/>	<input type="checkbox"/>	0	Decimal	<input type="checkbox"/>	AIS32...
AIS32-0.2.2.4	Analog Input, I...			<input type="checkbox"/>	<input type="checkbox"/>	0	Decimal	<input type="checkbox"/>	AIS32...
AIS32-0.2.2.5	Analog Input, I...			<input type="checkbox"/>	<input type="checkbox"/>	0	Decimal	<input type="checkbox"/>	AIS32...
AIS32-0.2.2.6	Analog Input, I...			<input type="checkbox"/>	<input type="checkbox"/>	0	Decimal	<input type="checkbox"/>	AIS32...
AIS32-0.2.2.7	Analog Input, I...			<input type="checkbox"/>	<input type="checkbox"/>	0	Decimal	<input type="checkbox"/>	AIS32...
AIS32-0.2.2.8	Analog Input, I...			<input type="checkbox"/>	<input type="checkbox"/>	0	Decimal	<input type="checkbox"/>	AIS32...
AIS32-0.2.2.9	Analog Input, I...			<input type="checkbox"/>	<input type="checkbox"/>	0	Decimal	<input type="checkbox"/>	AIS32...
AIS32-1.1.3.1	Analog Input, I...			<input type="checkbox"/>	<input type="checkbox"/>	0	Decimal	<input type="checkbox"/>	AIS32...
AIS32-1.1.3.2	Analog Input, I...			<input type="checkbox"/>	<input type="checkbox"/>	0	Decimal	<input type="checkbox"/>	AIS32...



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