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## How to back up and restore the I-87K module settings on the PAC host?



When using DCON Utility Pro to search for the modules on the PAC host slot, the following figure contains I-8K (parallel I/O) and I-87K (serial I/O) modules. The parallel I/O module control settings are written in the development program via the SDK (API library), and there is no setting problem. The serial I/O module must set the module through commands. The related settings are stored in the module's EEPROM. Therefore, it is necessary to save the related settings of the module as a file for future replacement when the module is damaged and replaced. DCON Utility Pro provides the function of saving the I-87K module settings as a file, and can restore the settings from the file.

14	Address Slot1	Baud Rate	Checksum	Format	Status Slot I/O	Description [8KIO]8/16*AI (mA,mV,V) [8KIO]8/16*AI (mA,mV,V)
14 017 054 028U	Slot2 Slot3 Slot4 Slot5	- 115200 115200 115200	- Disable Disable Disable	- N,8,1 N,8,1 N,8,1	Slot I/O Slot I/O Slot I/O Slot I/O	[8KIO]8/16*AI (mA,mV,V) [DCON]8*AI (mA,mV,V) [DCON]8*DI + 8*DO [DCON]8*AO (V)
	l: 07	02011				

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Step 1: After completing the I-87K module settings, press "Save Configurations to the File".

-				_		Set AO val	le with Enginee	and tormat		_
	Type Code	Slew Rate	Battery Backup	0	Wiring	AO Value	ReadBack	Range	Output	
CH:0	[01] +4 ~ +20 mA	immediate 👻		Set	Open	0000	0000	0~ FFFF	0000	Write
CH:1	[00] 0 ~ +20 mA [01] +4 ~ +20 mA	immediate 👻		Set	Open	0000	0000	0~ FFFF	0000	Write
CH:2	[02] 0 ~ +10 V [03] +/- 10 V	immediate 👻		Set	Open	0000	0000	0~ FFFF	0000	Write
CH:3	[04] 0 ~ +5 V [05] +/- 5 V	immediate 👻		Set	Open	0000	0000	0~ FFFF	0000	Write
CH:4	[01] +4 ~ +20 mA ▼	immediate 👻	<b>V</b>	Set	Open	0000	0000	0~ FFFF	0000	Write
CH:5	[01] +4 ~ +20 mA 👻	immediate 👻		Set	Open	0000	0000	0~ FFFF	0000	Write
CH:6	[01] +4 ~ +20 mA 🔹	immediate 👻		Set	Open	0000	0000	0~ FFFF	0000	Write
CH:7	[01] +4 ~ +20 mA 👻	immediate 👻		Set	Open	0000	0000	0~ FFFF	0000	Write
	Set Channel Type	e Code As CH 0				Set to [Po	wer On Value]	Set to [S	afe Value]	]
						Read AO				
						Read Power	er On Value			
						Read Safe	Value			

Step 2: You can add notes and create a project folder to complete the module setting file backup.

Comments of the Configured File	<b>—</b>	
Date Time = $11/27/2019$ Description = $8702811$ for APD1		
Save As	Cancel	



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Step 3: To restore the data to the module, simply insert the new module back to the original slot, and open the "Auto Configuration For Backplane I-87K I / O" tool button, and "Load" the previously saved file. Then it can restore the previously saved settings to the module.

Configuration			
	mmands Log   About		
Restore I/O	Slot	Configured Status	Scaned I/O
Load	Slot:1	-	Empty
Load	Slot:2	-	Empty
Load	Slot:3	-	87017
Load	Slot:4	-	87054
Load	Slot:5	-	87028U
Load	Slot:6	-	87017D
Load	Slot:7	-	Empty
PDAS\DCON_Utility	_Pro_PC\auto_Config\		
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en	_Pro_PC\auto_Config\ _config > APP1	<ul> <li>✓ ✓ ✓ Search APP1</li> </ul>	
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			I				l		
Auto Configurati	ion For Backplane I-87K I/O  Commands Log About				<b>×</b>				
Restore 1	I/O Slot	Configure	d Status		Scaned I/O				
Load	Load Slot:1 -				Empty				
Load	Load Slot:2		-		Empty				
Load	Load Slot:3		-		87017				
Load	Slot:4		-		87054				
Load	Slot:5	[0]	OK		87028U				
Load	Slot:6		-		87017D				
Load Slot:7			-		Empty				
Exit	Set Auto Cor	figuration	INI Path						
12:36 AM :: Slot_5	_Cmd_91_@00BBFF[ @00BBFF	]; [ !00 ]; [ 2 ms]==	>ОК		.if				
		1							
If there is a	setting failure, as sh	<mark>o</mark> wn below							
Auto Configura	tion For Backplane I-87K I/O	)				<b>—X</b> —)			
Doctoro	T/O Slot	Config	urod Statuc		Scanod I/				
Load	Slot:1	Connigo	-		Empty				
	Slot:2	-			Empty				
	Slot:3				87017				
Load	Slot:4	-			87054				
Load	Slot:5	[5] Set co	nfiguration fa	نامط	870281				
Load	Slot.5	[ວ] ວຍເ ເປ	miyurauvir Ia	ieu	070200				
Load			-		8/01/D				
Load	Slot:/		-		Empty				
<b></b>		- C - L							
Exit	Set Auto C	onngurati	ion INI Path						
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Auto Configurati           Auto Configuratio           Auto Configuratio           11:24 PM ::SET           11:24 PM ::SET	and. on For Backplane I-87K I/O Commands Log About Slot_5_Cmd_29_\$0072[\$0072]; Slot_5_Cmd_34_\$009310[\$0093 Slot_5_Cmd_32_*0043[~0043]; Slot_5_Cmd_40_\$0073]\$0073]; Slot_5_Cmd_40_\$0073[\$0073]; Slot_5_Cmd_45_\$009410[\$0094]; Slot_5_Cmd_56_\$009510[\$0095]; Slot_5_Cmd_56_\$009510[\$0075]; Slot_5_Cmd_62_\$0075[\$0075]; Slot_5_Cmd_62_\$0076[\$0076]; Slot_5_Cmd_73_\$009610[\$0097 Slot_5_Cmd_73_\$0076[\$0076]; Slot_5_Cmd_78_\$009710[\$0097]; Slot_5_Cmd_78_\$009710[\$0097]; Slot_5_Cmd_82_\$0077[\$0077]; Slot_5_Cmd_80_\$0030FFF[@1030]	[1000000 ]; [ 2 ms 10 ]; [100 ]; [ 2 ms [1000000 ]; [ 2 ms	iu Linen Load i==>OK i==>OK i==>OK i==>OK i==>OK i==>OK i==>OK i==>OK i==>OK i==>OK i==>OK i==>OK i==>OK i==>OK i==>OK i==>OK i==>OK i==>OK		e again to check	. trie de	Lans of the
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