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## USB-2000 module solution.

/	Applied to:	
	Platform	OS Version
	PC	Windows 98/NT/2000/XP/Vista
-		

ICP DAS USB series I/O modules are highly flexible solution to acquire or output data. User can build up own PC-based control, laboratory research and so on by applying ICP DAS USB series modules. You can choose from the controllers to meet your demands for use in various industrial applications. The USB-20xx modules can be used with the EZ Data Logger to easily plan HMI and offer a variety of functions that meet different requirements of the projects, such as remote message notification function (SMS, Email), data logger (local database, SQL Server), etc.

The following example is lighting control solution and uses ICP DAS USB-2064. The USB-2064 is equipped with 8-channel power relay output that can be connected to the light facilities. You can use EZ Data Logger in the control center to instantly receive the module information, make real time monitoring of the overall status for each room more efficiently.



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**Step1**: Before you start to plan for EZ Data Logger, please configure the wiring and software of USB-2064 well.

O USB-2000 series Quick Start Guide

http://ftp.icpdas.com/pub/cd/usbcd/napdos/usbio/icpdas%20usbio%20quick%20start%20guide e ng.pdf

◎ USB-2000 series User Manual

http://ftp.icpdas.com/pub/cd/usbcd/napdos/usbio/icpdas%20usbio%20users%20manual.pdf

Step2 : Open EZ Data Logger  $\rightarrow$  From the menu in the main form click Project  $\rightarrow$  New Project  $\rightarrow$  Type the new project name LightControl  $\rightarrow$  Click Save and then EZ Data Logger will restart automatically.





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Step5 : Sele	ct USB-2064 M	Module, se	et Board ID	and ther	n click the <b>Ad</b>	<b>d</b> button.	
USB-200		dule B-2064		Nickna	ume USB-200	54	
Boa	Ird ID Al Num	AO Num I	DI Num DO	Num Co 8	ounter Num 0	Frequency 0	/ Num
8*D0							~

**Step6**: Set the button properties of the DO channels.

6.1. Double-click on a DO channel to open its setting form.

Al List		AO List	DI List DO List
Counter Lis	st	Freq List	Virtual Channel Control Logic
Contact Lis	st	Web Camera	
Nickname	Tag	Location	Description
USB-2064_DO_0	USB2064_DO_0	USB-2064 Ch0	USB-2064_DO_0
USB-2064_DO_1	USB2064_DO_1	USB-2064 Ch1	USB-2064_DO_1
USB-2064_DO_2	USB2064_DO_2	USB-2064 Ch2	USB-2064_DO_2
USB-2064_DO_3	USB2064_DO_3	USB-2064 Ch3	USB-2064_DO_3
USB-2064_DO_4	USB2064_DO_4	USB-2064 Ch4	USB-2064_DO_4
USB-2064 DO 5	USB2064_DO_5	USB-2064 Ch5	USB-2064_DO_5
000-2004_00_0	USDOCA DO C	USB-2064 Ch6	USB-2064_DO_6
USB-2064_DO_6	0582064_00_6		

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6.2. Set its	name and	component	Style, and	then click	the <b>Modify</b> I	outton to	save.
Nickna	ame Livin	g_room_1					
	Tag Livin	g_room_1					
Descrip	tion Livin	g_room_1					
C Output co	onfirm window						
Component	Style						
Toggle	2000 <b>-</b> 2000 - 200	•					
Toggle_Ba	sic.ini						
Toggle Blu	ie Circle.ini ie Light.ini						
Toggle_But	tton.ini een. Circle ini						Modify
Toggle_Gre	een_Light.ini						
Toggle_Gre	een_Square.ini d_Circle ini						Cancel
Toggle_Re	d_Light.ini						
Toggle_Re	d_Square.ini arning Audio ini						
Toggle_Yel	llow_Circle.ini						
Traffic_LEL	D_Green.ini D Red ini						
Traffic_LED	D_Yellow.ini						
Traffic_vva	IK.INI					Editor	

## **Step7** : Set the other DO channels like **Step6**. The configuration is as the below picture $\downarrow$

Al List			AO List	DI List	DO List	
Counter Li	st	Freq List		Virtual Channel	Control Logic	
Contact Li	st	Web Camera				
Nickname	Tag		Location	Descriptio	on	
Living_room_1	Living_room	oom_1 USB-2064 Ch0		Living_room_1		
Living_room_2	Living_room	oom_2 USB-2064 Ch1		Living_room_2		
2F_Room1	2F_Room	om1 USB-2064 Ch2		2F_Room1		
2F_Room2	2F_Room	Room2 USB-2064 Ch3		2F_Room2		
Stairwell	rwell Stairwell U:		USB-2064 Ch4	Stairwell		
Restroom	Restroor	oom USB-2064 Ch5		Restroom		
Basement1	Basement	t1	USB-2064 Ch6	Basement1		
	Bacamant	t2	USB-2064 Ch7	Basement	t2	

uthor Step8 : In ti e Add>> bur Workgroup Sett Triver Li MailNot USB20 VirtualC	Amber he "Workgr iton to add st fier 00 hannel	Versio oup Setting" them into <b>W</b>	form, select the forkgroup1 and fork	Date ne DO ch id then cl	2013/01/29 annels that h ick the <b>Home</b>	Page nave been e button.	6/7 set→ Click
Step8 : In tr e Add>> bu' Workgroup Sett	ne "Workgr ton to add st fier hannel	oup Setting" them into <b>W</b>	form, select the forkgroup1 and fork	ne DO ch id then cl	annels that h ick the <b>Home</b>	nave been e button. <sup>Work Group</sup>	set→ Click
Workgroup Set	ne st fier 00 hannel		Ø Device List			Work Group	_ 7
Driver L MailNot USB20 VirtualC	st fier 00 hannel		Device List VirtualChannel		· · · · · · · · · · · · · · · · · · ·		
MailNot USB20 VirtualC	fier 20 hannel		VirtualChannel			Vvorkaroup1	bbA
USB20 VirtualC	00 hannel		VirtualChannel			Workgroup2	
virtual	nanner		USB-2064			VVorkgroup3	Delete
							Property
							Depet
	Install	Modify Delete		Add Mo	dify Delete	1	Reset
Channel Lis	t (	1	e	1		Al Channe	els
AI	List	AO List	DI List	DO DO	List	AO Chanr	1els
Cour	ter List	Freq List	Virtual Channel	Control	Logic	Di Channe	nels
Conta	ict List	Web Camera				Counter C	Channels nnels
Nicknam	Тат	Location	Description			Virtual Ch	annels Browsers
Living_roor	_1 Living_room	_1 USB-2064 Ch0	Living_room_1				Diowsons
Living_room	_2 Living_room	_2 USB-2064 Ch1	Living_room_2				
2F_Room	2F_Room1	USB-2064 Ch2	2F_Room1				
2F_Room	2F_Room2	USB-2064 Ch3	2F_Room2				
Stairwell	Stairwell	USB-2064 Ch4	Stairwell				
Restroom	Restroom	USB-2064 Ch5	Restroom				
Basement	Basementl	USB-2064 Ch6	Basementl				
					Modify		•

Step9 : From the button list click the Start button to execute your project.





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