ezTCP Utility

ModMap User Manual

Version 2.3

Sollae Systems Co., Ltd.

https://www.eztcp.com

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1 Overview

1.1 What is ModMap

The ModMap is a utility program for I/O controllers in Sollae Systems. It provides the easiest way to control your devices. ModMap is for the following products.

		Number of ports			
Product Name	Product Type	Digital Input	Digital Output	Analog Input	
CIE-H10	External	8	8	0	
CIE-M10	Module	8	8	1	
CIE-H14	External	4	4	0	
CIE-H12	External	2	1	0	
EZI-10	External	1	1	0	
SIG-5430	External	0	0	4	
SIG-5440	External	4	0	0	
SIG-5450	External	0	2	0	
SIG-5600	External	4	4	4	

Table 1-1 I/O Controllers



2 Features of ModMap

2.1 Adding I/O controllers

2.1.1 Adding I/O controllers

ModMap 2.1A (10-Dec2020)-Group	_		×
Group View Advanced Function			
Add I/O Controller	$\overline{\mathbf{v}}$		
Manage I/O Controller 1	^		
Control Multiple Ports Search and Add Add Manually 4			
Backup MAC Address Search	11		
Restore Network Address Port Number	11		
Open Script 10.1.0.1 50005			
Product Product Information			
	- 11		
	- 11		
Select Group			
(2) Group	<u>-</u>		
	=		
Add froun			
Group			
Add I/O C	ontroller	(3)	

Figure 2-1 Adding I/O controllers

- ① Click [Add I/O Controller] in [Group] menu.
- 2 Right-click on the tree window and select [Add I/O Controller] menu.
- ③ Right-click on the control window and select [Add I/O Controller] menu.
- ④ Click [Search and Add] or [Add Manually] to add I/O controllers.



2.1.2 Search and Add

MAC Address Network Addr	ess	Search 2 Port Number	Network Addr	ress 1	Search 2 Port Number 50005
Product	Product Inform	ation	Product	Product Informa	ation

Figure 2-2 Search and Add

- ① Select MAC address or Network Address.
 - MAC Address

Search for I/O controllers connected to the same network as the computer running ModMap.

Network Address

Search for the I/O controller using its IP address or hostname.

% SIG-5430, SIG-5440, SIG-5450 and SIG-5600 can only use MAC address search.

② Click [Search] button.

When you click [Search] button, ModMap searches I/O controllers by the search method selected and lists up the result. The list shows the I/O controller's MAC address, description, and IP address.



Network Addre	ess	~ [Search
Network Addre 192.168.0.49	SS	Poi	rt Number 1005
Product	Product Info	rmation	
CIE-H10	[00:30:F9:0	7:A6:1E] -	[192.168.0.49]
٢			
Select Group			
			(4)

Figure 2-3 Add I/O Controller

- ③ Select I/O controllers on the list.
- ④ Select a group.
- (5) Click [Add] button.



2.1.3 Add Manually

2.1.3.1 CIE-H10, CIE-M10, CIE-H14, CIE-H12, EZI-10

M Add I/O Controller	×
Search and Add Add Manually	1
Product	
Product v 1	
Select Group	
Group v 2	
Communication Type	
TCP Client V 3	
Network Address Port Number	
10.1.0.1 502 4	
Dscription	
<u> </u>	
Unit ID	
1 (6)	
Input Port Base Address	
0 7	
Output Port Base Address	
8 (8) Settings (9)	
Connection Test Add Cancel	

Figure 2-4 Add I/O Controller

- ① Select "Product".
- ② Select a group.
- ③ Select "TCP Client" or "TCP Server".
- (4) Network Address, Port Number
 - In case of "TCP Client":

You must enter "Network Address" and "Port Number".

• In case of "TCP Server":

You must enter "Port Number". Port numbers cannot be used repeatedly.

- (5) Enter a description of the I/O controller.
- 6 Enter "Unit ID".
- ⑦ Enter "Input Port Base Address".



- (8) Enter "Output Port Base Address".
- 9 Settings

	Add I/O Controller ×
10	Pulse Control D00-Disable D01-Disable D02-Disable D03-Disable D04-Disable D05-Disable D06-Disable D07-Disable D07-Disable
	Settings
11	Automatic Connection ON ~
12	OFF ~
13	Polling output ports ON ~
14	Polling input ports ON ~
	OK Cancel

Figure 2-5 Settings



1) Set "Pulse Control".

Level of Pulse	Duration of Pulse	Description
LOW	40ms ~ 10,000ms	 I/O controller changes its output port status from "HIGH" to "LOW" only during the time of "Duration of Pulse." * This operation is only valid when the output port's status is in "HIGH".
HIGH	40ms ~ 10,000ms	 H T I/O controller changes its output port status from "LOW" to "HIGH" only during the time of "Duration of Pulse." * This operation is only valid when the output port's status is in "LOW".

Table 2-1 Pulse Control

① Select "Automatic Connection"

If you select "ON", ModMap tries to make a TCP connection when it starts up.

② Select "Prohibit controlling output port"

If you select "ON", you are not allowed to control the output ports.

③ Select "Polling output ports"

If you select "ON", ModMap reads the status of the output ports of the I/O controller every second.

 Select "Polling input ports"
 If you select "ON", ModMap reads the status of the input ports of the I/O controller every second.

2.1.3.2 SIG-5430

Add I/O Controller		
Search and Add Add	Manually	
Product		
SIG-5430	\sim	
Select Group		
Group	~ 1	
Communication Type		
TCP Client	~ 2	
Network Address	Port Number	
10.1.0.1	502	3
Dscription		
		4
Settings	(5)	
Connection Test	لدلم	Grand

Figure 2-6 Add I/O Controller

- ① Select a group.
- ② Select "TCP Client" or "TCP Server".
- ③ Network Address.
 - In case of "TCP Client":

You must enter "Network Address" and "Port Number".

• In case of "TCP Server":

You must enter "Port Number". Port numbers cannot be used repeatedly.

④ Enter a description of the I/O controller.



(5) Settings

AIO		
Name	AIO	
Display Min.	0	
Display Max.	5	
Display Unit	V v	
AI1		
Name	AI1	
Display Min.	0	
Display Max.	5	6
Display Unit	۷ ~	
AI2		
Name	AI2	
Display Min.	0	
Display Max.	5	
Display Unit	V ~	
AI3		
Name	AI3	
Display Min.	0	
Display Max.	5	
Display Unit	V v	
Settings		
Automatic Connecti	on	
ON	~ 7	

Figure 2-7 Settings

- 6 Analog input port settings
 - Name:

Enter the description of the analog input port.

• Display Min./Max.:

Enter the minimum and maximum values to be displayed on the screen.

• Display Unit:

Enter the unit of the value to be displayed on the screen.

⑦ Select "Automatic Connection"

If you select "ON", ModMap tries to make a TCP connection when it starts up



2.1.3.3 SIG-5440

Add I/O Controller		
Search and Add Add M	Aanually	
Product		
SIG-5440	~	
Select Group		
Group	\sim (1)	
Communication Type		
TCP Client	~ 2	
Network Address	Port Number	
10.1.0.1	502	3
Dscription		
		4
Settings	(5)	
Connection Test	Add	ancel
Connection rest	Add	ancei

Figure 2-8 Add I/O Controller

- ① Select a group.
- ② Select "TCP Client" or "TCP Server".
- ③ Network Address.
 - In case of "TCP Client":

You must enter "Network Address" and "Port Number".

• In case of "TCP Server":

You must enter "Port Number". Port numbers cannot be used repeatedly.

④ Enter a description of the I/O controller.



(5) Settings

M Add I/O Controller	×
Settings	
Automatic Connection	
ON	~ 6
Polling input ports	
ON	~ 7
OK Cancel	

Figure 2-9 Settings

6 Select "Automatic Connection"

If you select "ON", ModMap tries to make a TCP connection when it starts up

 Select "Polling input ports"
 If you select "ON", ModMap reads the status of the input ports of the I/O controller every second.



2.1.3.4 SIG-5450

Add I/O Controller		
Search and Add Add I	Manually	
Product		
SIG-5450	~	
Select Group		
Group	~ (1)	
Communication Type		
TCP Client	~ 2	
Network Address	Port Number	
10.1.0.1	502	3
Dscription		
		4
Settinas	5	
Connection Test	۵dd	Cancel
connection rest	Auu	Cancer

Figure 2-10 Add I/O Controller

- ① Select a group.
- ② Select "TCP Client" or "TCP Server".
- ③ Network Address.
 - In case of "TCP Client":

You must enter "Network Address" and "Port Number".

• In case of "TCP Server":

You must enter "Port Number". Port numbers cannot be used repeatedly.

④ Enter a description of the I/O controller.



⑤ Settings

M Add I/O Controller	×
Settings	
Automatic Connection	
ON	~ 6
Prohibit controlling output port	
OFF	~ 7
Polling output ports	
ON	~ (8)
OK Cancel	

Figure 2-11 Advanced Settings

Select "Automatic Connection"

If you select "ON", ModMap tries to make a TCP connection when it starts up

- Select "Prohibit controlling output port"
 If you select "ON", you are not allowed to control the output ports
- (8) Select "Polling Output ports"

If you select "ON", ModMap reads the status of the output ports of the I/O controller every second.



2.1.3.5 SIG-5600

Add I/O Controller		
Search and Add Add I	Manually	
Product		
SIG-5600	~	
Select Group		
Group	~ (1)	
Communication Type		
TCP Client	~ 2	
Network Address	Port Number	
10.1.0.1	502	3
Dscription		
		4
Settings	(5)	
Connection Test	Add	Cancel
Connection rest	Add	Cancer

Figure 2-12 Add I/O Controller

- ① Select a group.
- ② Select "TCP Client" or "TCP Server".
- ③ Network Address.
 - In case of "TCP Client":

You must enter "Network Address" and "Port Number".

• In case of "TCP Server":

You must enter "Port Number". Port numbers cannot be used repeatedly.

④ Enter a description of the I/O controller.



(5) Settings

M Add I/O Contro	bller	×
AIO		Settings
Name	AIO	Automatic Connection
Display Min.	0	ON ()
Display Max.	5	Prohibit controlling output port
Display Unit	V ~	OFF v 8
Display offic		Polling output ports
AI1		ON ~ 9
Name	AI1	Polling input ports
Display Min.	0	
Display Max.	5 6	
Display Unit	V ~	
AI2		
Name	AI2	
Display Min.	0	
Display Max.	5	
Display Unit	V v	
AI3		
Name	AI3	
Display Min.	0	
Display Max.	5	
Display Unit	V	
	ОК	Cancel

Figure 2-13 Settings

- 6 Analog input port settings
 - Name:

Enter the description of the analog input port.

• Display Min./Max.:

Enter the minimum and maximum values to be displayed on the screen.

• Display Unit:

Enter the unit of the value to be displayed on the screen.



- Select "Automatic Connection"
 If you select "ON", ModMap tries to make a TCP connection when it starts up
- 8 Select "Prohibit controlling output port"
- If you select "ON", you are not allowed to control the output portsSelect "Polling Output ports"

If you select "ON", ModMap reads the status of the output ports of the I/O controller every second.

 Select "Polling input ports"
 If you select "ON", ModMap reads the status of the input ports of the I/O controller every second.



2.2 Control windows

2.2.1 TCP Connection Status

The TCP connection status is indicated by an icon and the types are as follows.

ICON	Description
	The TCP connection is in READY state.
×	The TCP connection is READY, and "Automatic Connection" is in use.
	If it is a TCP client, it is trying to connect. In case of TCP server, it is waiting for connection.
	The TCP connection is in ESTABLISHED state.
	An error occurred.

Table 2-2 TCP status



CIE-H10	CIE-H14
Connected	Connected
Digital Input Port Digital Output Port DI0 0 DI1 0 DI2 0 DI3 0 DI4 0 DI5 0 DI6 0 DI7 0	Digital Input Port DI0 DI1 DI2 DI3 DI3 Digital Output Port Digital Output Port DO0 DO1 DO1 DO2 DO3 DO3
CIE-H12 Connected Digital Input Port DI0 DI1 DI0 DI1 DI0 DI1 DI0 DI1 DI0 DI0 DI1 DI0 DI1 DI0 DI0 DI1 DI0 DI0 DI0 DI1 DI0 DI0 DI0 DI0 DI1 DI0 DI0 DI0 DI1 DI0 DI0 DI0 DI0 DI1 DI0	EZI-10 Connected Digital Input Port DI0 DI0 DO0 DO0

2.2.2 CIE-H10, CIE-M10, CIE-H14, CIE-H12, EZI-10

Figure 2-14 Control window

On the control window, LED icons for representing the status of the input or output ports are located. You can control and monitor ports with the LED icons.

ICON	Description	
•	A digital signal has been detected at the input port.	
	Digital signals are not being detected at the input port.	
0	Sound Notification option is set in the input port.	
	The output port is turned on.	
	The output port is turned off.	
	Prohibit controlling output port option is set in the output port.	
,	Warning message option is set in the output port.	
ı ı v v	Pulse control is set in the output port.	

Table 2-3 LED icon



Click the input port LED to read the input port status and display it on the screen and click the output port LED to turn on or off only the selected port.

SCIE-H10				
Connected				
Digital Input Port DI1 DI2 CIE-H10 DI3 DI4 DI5 DI6 DI7 DI1 DI2 DI2 DI2 DI3 DI4 DI5 DI6 DI7 DI1 DI2 DI3 DI4	Digital Output Port	3		
DI5 DI6 DI7	Digital Input PortDigital Output PortInput port #00DI10DI20DI30DI40DI50DI60DI70			

Figure 2-15 Changing descriptions

If you click the edit box, you can change the description of each input/output port.



2.2.3 SIG-5430

큧 SIG-5430			
Connected			
Analog Input Port			
AIO	0.95V		
AI1	3.45V		
AI2	3.97V		
AI3	0.02V		

Figure 2-16 Control window

It shows the value read from the analog input port of SIG-5430 in a simple graph.

큧 SIG-5430		
	Connected	
Analog Input Port	0.95V	
AI1 SIG-543	0	
AI3	Connected	
- Analog Ing	outPort	
Analog in	put #0 0.95V	
AI1	👳 SIG-5430	
AI3		Connected
	Analog Input Port	_
	Analog input #0	0.95V
	AI1	3.45V
	AI2	3.97V
	AI3	0.02V

Figure 2-17 Changing description

If you click the name item, you can change the description of each analog input port.



2.2.4 SIG-5440

Conr	nected
Digital Input Port	
	Counter
DIO	0 🗘
DI1	0 ()
DI2	0 🗘
DI3	0 🗘

Figure 2-18 Control window

In the control window, LED icons indicating the status of the input ports and counter values are displayed.

ICON	Description
•	A digital signal has been detected at the input port.
	Digital signals are not being detected at the input port.

Table 2-4 LED icon

If you click the input port LED icon, you can refresh the input port status of the I/O controller, and if you click •, the counter value can be changed to 0.



큧 SIG-5440				3		
	Conr	nected				
Digital Input F	Port	Counter	ۍ ٥			
DI1	👳 SIG-5440				23	
DI3		Cor	nnected			
	Digital Input Po	ort	Counter			
	Input por	t #0	Counter	0	9	
	DI1 DI2	😻 SIG-5440				83
	DI3		Con	nected		
·		-Digital Input P	ort			
		Input po	rt #0	Counter	(ъ.
		DI1			(÷ ÷
		DI2 DI3			(0 0

Figure 2-19 Changing descriptions

If you click the edit box, you can change the description of each input port.



2.2.5 SIG-5450

큧 SIG-5450	
Conne	ected
Digital Output Port	
DO1	

Figure 2-20 Control window

On the control window, LED icons for representing the status of the output ports are located. You can control ports with the LED icons.

ICON	Description
	The output port is turned on.
	The output port is turned off.
a	Prohibit controlling output port option is set in the output port.
• •	Warning message option is set in the output port.
<u>ı</u> ı	Pulse control is set in the output port.

Table 2-5 LED icon

You can turn the output port of the I/O controller on or off by clicking the output port LED icon



😴 SIG-5450	
Co	nnected
Digital Output Port	Connected
Digital Output	t Port
	SIG-5450
	Digital Output Port Output port #0 DO1

Figure 2-21 Changing descriptions

If you click the edit box, you can change the description of each output port.



2.2.6 SIG-5600

큧 SIG-5600		
с	onnected	
Digital Input Port		
	Counter	
DIO		0 ()
DI1		0 ()
DI2		0 ()
DI3		O 0
Digital Output Port DO0 DO1 DO2 DO3		
Analog Input Port		
AIO	0.00V	
AI1	0.00V	
AI2	0.00V	
AI3	0.00V	

Figure 2-22 Control window

On the control window, there are LED icons that indicate the status of input and output ports. You can monitor input ports or control output ports by clicking this LED.

In addition, the counter value can be changed to 0 by clicking \mathfrak{O} , and the value read from the analog input port of SIG-5600 is shown in a simple graph.

ICON	Description
•	A digital signal has been detected at the input port.
	Digital signals are not being detected at the input port.



9	Sound Notification option is set in the input port.
	The output port is turned on.
	The output port is turned off.
	Prohibit controlling output port option is set in the output port.
	Warning message option is set in the output port.
n n	Pulse control is set in the output port.



Click the input port LED to read the input port status and display it on the screen and click the output port LED to turn on or off only the selected port.



2.3 Tree

2.3.1 Changing settings



Figure 2-23 Changing settings

- ① Select an item in the I/O controller tree and press F2.
- ② When the edit box or the combo box is appeared, you can change the value.

****** "TCP Server or TCP Client", "Host IP Address or Name", "Host Port", "Product", "Unit ID", "Input Port Base Address" and "Output Port Base Address" are not allowed to change when TCP connection is in ESTABLISHED state.



2.4 Group

2.4.1 Adding group

ModMap 2.1A (10-Dec2020)-Group	-	×
Group View Advanced Function		
Group + A X Add I/O Controller Add Group 1 ModMap 2.1A (10-Dec20 X Group Name TEST GROUP OK Cancel 3		



Figure 2-24 Adding group



- ① Click [Add Group] menu.
- ② Enter a name for the new group.
- ③ Click [OK] button.
- ④ The group is added on the tree.

2.4.2 Changing name of group



Figure 2-25 Changing name of group

- ① After selecting the group name, press F2.
- ② When the edit box appears, you can change the name.



2.4.3 Deleting group



Figure 2-26 Deleting group

- ① Click the group which you want to delete. And then right-click the name.
- 2 Click [Delete Group].

% When deleting a group, the I/O controllers registered in the group are also deleted, so be careful when deleting a group.



2.5 Manage I/O controllers

2.5.1 Manage I/O controllers

Moo	Map 2.1A (10-Dec2020)-TEST GROUP	_		×
Group	View Advanced Function			
G A	d I/O Controller			
M	nage I/O Controller			
	ModMap 2 14 (10 Dec. 2020)			×
Ba Ba	e woodwap 2.1A (10-Dec2020)			
	Group Group			
	Group V TEST GROUP		`	/
G	CIE-H10			
	Move >>			
	<< Move			
Ready	Delete Delete All Delete	Delete	All	.:
	(2) ок		2	

Figure 2-27 Manage I/O controllers

- 1 You can move I/O controllers between groups.
- ② You can delete I/O controllers.



2.6 Backup and restore

2.6.1 Backup and restore

All settings can be backed up to a file. The backup file is saved in binary format. You can restore your data using the settings saved in the file.

ModMap 2.1A (10-Dec2020)-TEST GROUP -	×
Group View Advanced Function	
G Add I/O Controller	
Manage I/O Controller	
Control Multiple Ports	
Backup	
Restore	
M Save As	×
← → ✓ ↑ Gackup → ModMap ✓ ♂ ○ ModMap 검색	
File name: backup (2)	~
Save as type: *.bin	~
✓ Browse Folders Save ③ Cancel	

Figure 2-28 Backup

- ① Click [Backup] menu.
- ② Enter the backup file name.
- ③ Click [Save] button.



ModMap 2.1A (10-Dec2020)-TEST GROUP	-		×
Group View Advanced Function			
G Add I/O Controller			
b Manage I/O Controller			
Control Multiple Ports			
Backup			
Restore			
Open Script			
Open			×
$\leftarrow \rightarrow \checkmark \uparrow$ \blacksquare « Backup » ModMap \checkmark \eth \land Mod	IMap 검색		
구성 ▼ 새 폴더			•
Deckup.bin (2)			
File name: backup.bin 🗸 *.bin			\sim
(3) Oper	n	Cancel	
Ready			

Figure 2-29 Restore (1)

- ① Click [Restore] menu.
- ② Select the backup file.
- ③ Click [Open] button.



Figure 2-30 Restore (2)

④ If you click the [Yes] button, all settings currently registered in the ModMap program are deleted and the backup settings are restored. If you click the [No] button, the backup settings are added to the current settings.



2.7 Script

2.7.1 Script

The Script is one of the ways to add an I/O controller. It must conform to the syntax provided by ModMap, and the syntax supports INI and CSV file formats.

2.7.2 Syntax of script

Properties	Required	Comment
Group	Х	Group name of I/O controllers.
Comment	0	Comment of the I/O controller.
Network	0	0 - TCP Client 1 - TCP Server
HostAddr	0	This is required when the Network property is '0 -TCP Client'. Enter the host IP address or name to which ModMap program will connect.
HostPort	0	If the Network property is '0 -TCP Client', enter the host port number to which the ModMap program will connect. If the Network property is '1 -TCP server', enter the port number to be used by the ModMap program.
Product	0	Product name of I/O controller. (CIE-H10, CIE-M10, EZI-10, CIE-H12, CIE-H14, SIG-5430, SIG-5440, SIG-5450, SIG-5600)
UnitId	0	Unit id of I/O controller.



InputAddr	0	Input port base address of I/O controller.			
OutputAddr	0	Output port base address of I/O controller.			
AutomaticConnection	Х	 0 – Set "Automatic Connection" option to "OFF". 1 – Set "Automatic Connection" option to "ON". 			
OuputPortControl	Х	 0 – Set "Prohibit controlling output port" option to "OFF". 1 – Set "Prohibit controlling output port" option to "ON". 			
Polling	х	0 – Set "Polling output ports" option to "OFF".1 – Set "Polling output ports" option to "ON".			
PollingInput	х	0 – Set "Polling input ports" option to "OFF". 1 – Set "Polling input ports" option to "ON".			
DiComment0 ~ 7	Х	Comment of input port.			
DoComment0 ~ 7	х	Comment of output port.			
UseWarningMsg	Х	0 – Set "Warning message" option to "OFF". 1 – Set "Warning message" option to "ON"			
WarningMsgType	Х	0 – Same warning message will be used to all output ports. 1 – Each output port has its own warning message.			
UseWarningMsgDo0 ~ 7	Х	Set "Warning message" option to each output port. 0 – Set "Warning message" option to "OFF". 1 – Set "Warning message" option to "ON"			
MsgAllOn	х	<i>When "WarningMsgType" is zero(0):</i> This message is shown before changing output ports' status to "ON".			



MsgAllOff	х	<i>When "WarningMsgType" is zero(0):</i> This message is shown before changing output ports' status to "OFF".			
DoMsgOn0 ~ 7	Х	<i>When "WarningMsgType" is one(1) and the "UseWarningMsgDo0 ~ 7" is one(1) :</i> This message is shown before changing output ports' status to "ON".			
DoMsgOff0 ~ 7	Х	 When "WarningMsgType" is zero(0): This message is shown before changing output ports' status to "OFF". When "WarningMsgType" is one(1) and the "UseWarningMsgDo0 ~ 7" is one(1) : This message is shown before changing output ports' status to "ON". When "WarningMsgType" is one(1) and the "UseWarningMsgDo0 ~ 7" is one(1) : This message is shown before changing output ports' status to "ON". When "WarningMsgType" is one(1) and the "UseWarningMsgDo0 ~ 7" is one(1) : This message is shown before changing output ports' status to "OFF". Set "Pulse Control" option to each output port. 0 - Not using "Pulse Control" option. 1 - Use "Pulse Control" option. Pulse duration in case of output port pulse control. The unit is milliseconds, and the input value ranges from 40 to 10,000. 0 - I/O controller changes its output port status from "HIGH" to "LOW" only during the time of "Duration of Pulse 			
UsePulseDo0 ~ 7	Х	Set "Pulse Control" option to each output port. 0 – Not using "Pulse Control" option. 1 – Use "Pulse Control" option.			
DurationDo0 ~ 7	Х	Pulse duration in case of output port pulse control. The unit is milliseconds, and the input value ranges from 40 to 10,000.			
SignalLevelDo0 ~ 7	X	 0 – I/O controller changes its output port status from "HIGH" to "LOW" only during the time of "Duration of Pulse. 1 – I/O controller changes its output port status from "LOW" to "HIGH" only during the time of "Duration of Pulse. 			
UseLog	Х	0 – Not using "Log" option. 1 – Use "Log" option.			

Table 2-7 Properties



2.7.2.1 INI file format

• Properties

The basic element contained in an INI file. Every property has a name and value, delimited by an equal sign (=). The name appears to the left of the equals sign.

• Sections

Properties are grouped into named sections. The section name appears on a line by itself, in square brackets ([and]). The '**[CONTROLLER]**' must be used for a section name.

****** All REQUIRED attributes must be used and attributes and sections must end with <CR><LF>.



[CONTROLLER]

Group=Group #1

Comment=I/O controller #3

Network=0

HostAddr=10.1.0.1

HostPort=502

Product=CIE-H10

UnitId=1

InputAddr=0

OutputAddr=8 AutomaticConnection=1

OutputPortControl=1

Polling=1

DiComment0=DI0

DiComment1=DI1

DiComment2=DI2

DiComment3=DI3

DiComment4=DI4

DiComment5=DI5 DiComment6=DI6

DiComment7=DI7

DoComment0=DO0

- DoComment1=DO1
- DoComment2=DO2
- DoComment3=DO3
- DoComment4=DO4
- DoComment5=DO5
- DoComment6=DO6
- DoComment7=D07

UseWarningMsg=1

WarningMsgType=1

UseWarningMsgDo0=1

UseWarningMSgDo7=1

DoMsgOn0=Are you sure to change the status of output #0 to ON?

DoMsgOff7= Are you sure to change the status of output #7 to OFF?

Table 2-8 INI file example



2.7.2.2 CSV file format

CSV is a delimited data format with fields separated by the comma character(,) and record separated by newlines(<CR> <LF>). **The comma character(,) is not allowed for Fields.**

The first record in a csv file contain column names in each of the fields. The column names should be one of the property names of the INI file.

Comment,Network,HostAddr,HostPort,Product,UnitId,InputAddr,OutputAddr I/O controller #1,0,10.1.0.1,502,CIE-H10,1,0,8 I/O controller #2,0,10.1.0.2,502,CIE-H10,1,0,8 I/O controller #3,0,10.1.0.3,502,CIE-M10,1,0,8 I/O controller #4,0,10.1.0.4,502,CIE-M10,1,0,8 I/O controller #5,0,10.1.0.5,502,CIE-H12,1,0,8 I/O controller #6,0,10.1.0.6,502,CIE-H12,1,0,8 I/O controller #7,0,10.1.0.7,502,EZI-10,1,0,8 I/O controller #8,0,10.1.0.8,502,EZI-10,1,0,8 I/O controller #9,0,10.1.0.9,502,EZI-10,1,0,8 I/O controller #10,0,10.1.0.10,502,EZI-10,1,0,8

Table 2-9 CSV file example



2.8 Warning message

2.8.1 Warning message

If the "Warning message" option is ON, a warning message is shown before changing the output ports' status. With this function, you can prevent unwanted changes in output ports' status.



Figure 2-31 Configuring "Warning message" (1)

- ① Click [Warning message] menu.
- ② Select an I/O controller.
- ③ Click [Use] checkbox.



Marning message		×
CIE-H10	Use If %s is in warning messages then it will be replaced to output port's description. Apply to all output ports Are you sure to change the status of output port (%s) to ON? Are you sure to change the status of output port (%s) to OFF?	
	O Apply to each output ports DO 0 Are you sure to change the status of output port (%s) to ON? Use Are you sure to change the status of output port (%s) to OFF?	

Figure 2-32 Configuring "Warning message" (2)

- If you select [Apply to all output ports], the same warning message is displayed for all output ports.
- (5) Enter warning messages.

If the warning message contains "%s", the I/O port description is included when the warning message is shown.





Figure 2-33 Configuring "Warning message" (3)

- 6 Select whether to use the output port warning function for each output port.
- The warning message to be used in each output port.
 If the warning message contains "%s", the I/O port description is included when the warning message is shown.
- (8) Click [Apply] button.



ModMap 2.1A (10-Dec2020)-Group	– 🗆 X
: Group View Advanced Function	
Group	nected
ModMap 2.1A (10-Dec2020)	Digital Output Port DO
Are you sure to change the status of output port (DO0) to ON?	0 DO6 0 DO7
Yes No	

Figure 2-34 Configuring "Warning message" (4)

- Interiors of output ports are changing when the "Warning message" option is ON.
- 10 A warning message is shown when you click the icon.



2.9 Manage log

2.9.1 Manage log

• When an event, such as changing TCP status or input/output ports status is raised, ModMap writes a text-based message into a log file.

ModMap 2.1A (10-Dec2020)-Group			-	×
Group View Advanced Function				
Warning message				
	_			
Manage log				×
Manage log				
Group 🗸				
CIE-H10]	Group	Description	
	Start >>			
	<< Stop			
Log Options				
Input Port				
Output Port				
Modbus/TCP				
Notify Input or Output Port Change(Email)			

Figure 2-35 Manage log



anage log				×
Manage log				
Group Group	<u> 1 </u>			
CIE-H10 #1	2	Group	Description	
	(4)			
	Start >>			
	<< Stop			
l on Ontions				
Input Port	3			
✓ Output Port				
	-			
✓ Modbus/ICP ✓ Notify Input or Output Port Change(Ema	ail)			
Notify Input or Output Port Change(Email	ail)			
Notify Input or Output Port Change(Ema	ail)			
Notify Input or Output Port Change(Emage log	ail)			>
Modous/ICP Notify Input or Output Port Change(Ema anage log Manage log	×1			>
Modous/ICP Notify Input or Output Port Change(Ema anage log Group Group	NI)	Crain	Description	>
Modous/ICP Notify Input or Output Port Change(Ema anage log Manage log Group Group	NI)	Group	Description	>
Modous/ICP Notify Input or Output Port Change(Ema anage log Group Group	×	Group Group	Description CIE-H10 #1	>
Modous/ICP Notify Input or Output Port Change(Ema anage log Group Group	NI)	Group	Description CIE+H10 #1	>
Modous/ICP Notify Input or Output Port Change(Ema anage log Group Group	×	Group	Description CIE-H10 #1	>
Modous/ICP Notify Input or Output Port Change(Ema anage log Group Group	Start >>	Group Group	Description CIE-H10 #1	>
Modous/ICP Notify Input or Output Port Change(Ema anage log Group Group	Start >> < <stop< td=""><td>Group</td><td>Description CIE-H10 #1</td><td>></td></stop<>	Group	Description CIE-H10 #1	>
Modous/ICP Notify Input or Output Port Change(Ema anage log Group Group	Start >> < <stop< td=""><td>Group</td><td>Description CIE-H10 #1</td><td>></td></stop<>	Group	Description CIE-H10 #1	>
Modous/ICP Notify Input or Output Port Change(Ema anage log Group Group	<start>> <start< td=""><td>Group Group</td><td>Description CIE-H10 #1</td><td>></td></start<></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start></start>	Group Group	Description CIE-H10 #1	>
Modous/ICP Notify Input or Output Port Change(Ema anage log Group Group	Start >>	Group Group	Description CIE-H10 #1	>
Modous/ICP Notify Input or Output Port Change(Ema anage log Group Group	Start >> << Stop	Group Group	Description CIE-H10 #1	
Modous/ICP Notify Input or Output Port Change(Ema snage log Group Group	<start>></start>	Group	Description CIE-H10 #1	
Modous/ICP Notify Input or Output Port Change(Ema anage log Group Group	Start >> << Stop	Group	Description CIE-H10 #1	
Modous/ICP Notify Input or Output Port Change(Ema anage log Group Group Coup	Start >> << Stop	Group	Description CIE-H10 #1	
Modous/ICP Motify Input or Output Port Change(Ema anage log Group Group Coup	Start >> << Stop	Group	Description CTE-H10 #1	
Modous/ICP Motify Input or Output Port Change(Ema anage log Group Group Coup Log Options ✓ Input Port ✓ Output Port ✓ Output Port ✓ Modbus/TCP	<pre>Start >> < < Stop</pre>	Group	Description CIE-H10 #1	

Figure 2-36 Starting log

- ① Select a group.
- ② Click I/O controllers.



- 3 Choose contents of log.
- ④ Click [Start >>] button

Manage log				×
Manage log				
Group V				_
		Group	Description	
	1	Group	CIE-H10 #1	
	Start >>			
	<< Stop			
Log Options				
Input Port				
Output Port				
Modbus/TCP				
Notify Input or Output Port Change(Email)				

Figure 2-37 Stopping log

- ① Click I/O controllers.
- ② Click [<< Stop] button.



2.10 Log file

2.10.1 Location of log files

A log file is saved in "C:/Users/User Account/Documents/ModMap" when ModMap is started. The filename is YYYYMMDD_HHMMSS.txt, which indicates the date and time the file was created.

When the date changes or the file size exceeds 5MB, a new log file is created.

20140307_111755 - Notepad		
<u>File E</u> dit F <u>o</u> rmat <u>V</u> iew <u>H</u> elp		
Com Name Peer IP Tag	g Name State Time Address Value	Etc
CIE-H10 211.180.144.230	Connecting 20140307/11:17:55	
CIE-H10 211.180.144.230	Established 20140307/11:17:55	Send a read request to input ports —
CTE-H10 211.180.144.230	Established 20140307/11:17:55	Send a read request to output ports
CTE-H10 211, 180, 144, 230	Established 20140307/11:17:55	Response of read input ports
CIE-H10 DIO	20140307/11:17:55 0 ON	Input port status
CIE-H10 DI1	20140307/11:17:55 1 OFF	Input port status
CIE-H10 DI2	20140307/11:17:55 2 OFF	Input port status
CIE-H10 DI3	20140307/11:17:55 3 OFF	Input port status
CIE-H10 DI4	20140307/11:17:55 4 OFF	Input port status
CIE-H10 DI5	20140307/11:17:55 5 OFF	Input port status
CIE-H10 DI6	20140307/11:17:55 6 OFF	Input port status
CIE-H10 DI7	20140307/11:17:55 7 OFF	Input port status
CIE-HI0 211.180.144.230	ESTADIISHED 2014030//11:1/:55	Error response of read request
CIE-HI0 211.180.144.230	EStablished 20140307/11:17:33	[21, UZ] AB,04E A0%0A0 I U.
CTE-H10 211.180.144.230 DOC	Established 20140307/11:18:04	5 ON Send a write coll request
CTE-H10 211 180 144 230	Established 20140307/11:18:04	Send a read request to output ports
CTE-H10 211 180 144 230	Established 20140307/11:18:04	Error response of read request
CTE-H10 211, 180, 144, 230	Established 20140307/11:18:04	$[i:i] = 021 \Delta \beta gut A000 \Delta 0^{-1} T U.$
CIE-H10 211.180.144.230	Closed 20140307/11:18:08	[2] 02] 10,0pc 10,000 2 01
CIE-H10 211.180.144.230	Connecting 20140307/11:18:15	
CIE-H10 211.180.144.230	Established 20140307/11:18:15	Send a read request to input ports
CIE-H10 211.180.144.230	Established 20140307/11:18:15	
CIE-H10 211.180.144.230	Established 20140307/11:18:15	Send a read request to output ports
CIE-H10 211.180.144.230	Established 20140307/11:18:15	Response of read input ports
CIE-H10 DIO	20140307/11:18:15 0 ON	Input port status
CIE-H10 DI1	20140307/11:18:15 1 OFF	Input port status
CIE-H10 DI2	2014030//11:18:15 2 OFF	Input port status
CIE-HIO DIS	20140307/11:18:15 3 OFF	Input port status
CTE-H10 D14	20140307/11:10:13 4 OFF	Input port status
CTE-H10 D15	20140307/11:18:15 6 0EE	Input port status
CTE-H10 DT7	20140307/11:18:15 7 OFF	Input port status
CIE-H10 211, 180, 144, 230	Established 20140307/11:18:15	Response of read output ports
CIE-H10 211.180.144.230	Established 20140307/11:18:16	Send a read request to output ports
CIE-H10 211.180.144.230	Established 20140307/11:18:16	Response of read output ports
CIE-H10 211.180.144.230	Established 20140307/11:18:17	Send a read request to output ports 🚽

Figure 2-38 A log file

Title	Comment
Com Name	A comment of the I/O controller.
Peer IP	An IP address of a remote host.
Tag Name	A comment of the port in case of an event for input or output port.
State	The TCP states.
Time	The time of an event raised for this record.



Address	The index number of the port in case of an event for input or output port.
Value	The state of the port in case of an event for input or output port. The Value is "ON" or "OFF".
Etc	Etc gives additional information for an event.

Table 2-10 A log file



2.11 Notify Input or Output Port Change (Email)

This is a function to send information about changes in the state of the input or output ports of the I/O controller by email.

2.11.1 Adding Email Account

ModMap 2.	IA (10-Dec2020)-G	roup			_		×
: Group View	Advanced Functio	n					
Group	Warning messa	ge				_	
Group	Manage log				- 0 %		
	Notify Input or	Output Port Change(Email	I)				
	Email Account S	etting (1)		nnected			
	Time Setting			- Digital Output	Port		
Email Ac	count Setting				×		
		1			j		
		Name					
		Email Address			=		
		Description			1		
		Outgoing Mail Server			Ē		
		Server Port			Ē		
		User Name					
		Password					
			O Disabl	e 🔿 Use SSL	Use TLS		
	d Delete	1	Modi	fv			
	Delete		Hou	.,			
	(2)						
Ready							

Figure 2-39 Email Account Setting (1)

- ① Click [Email Account Setting] menu.
- 2 Click [Add] button.



	Email Account Setting					
3	Name Sollae Systems Email Address support@eztcp.com					
4						
(5)	Password	•••••				
6)	Description	Sollae Systems				
	N	ext Cancel				
7						

Figure 2-40 Email Account Setting (2)

- ③ Enter the sender's name.
- ④ Enter the sender's email address.
- ⑤ Enter the password of sender's email account.
- 6 Enter a brief description of the email account.
- Click [Next] button then ModMap starts looking up email account by using the Email Address and Password.

ModMap 2.1A (10-Dec2020)						
	Retrieving an outgoing mail server has failed. Please enter outgoing mail server information. [Error: Unable to determine remote server]					
ОК						



Email Account Setting	×				
Name Email Address Description	Sollae Systems support@eztcp.com Sollae Systems				
8 Outgoing Mail Server	outgoing mail server address				
9 Server Port	outgoing mail server port number				
User Name	mail account ID				
11 Password	•••••				
Disable OUse SSL OUse TLS					
13 Next Cancel					

Figure 2-41 Email Account Setting (3)

(8) You have to enter (8) outgoing mail server address, (9) outgoing mail server port number, (10) mail account ID, (11) mail account password, and select (12) security option when ModMap cannot automatically look up email account. Click [Next] button then ModMap starts again looking up email account.

※ Please see your email account settings of SMTP.

Email Account Setting		×
Sollae Systems	14 Name Email Address Description Outgoing Mail Server Server Port User Name Password	Sollae Systems support@eztcp.com Sollae Systems Sollae Systems Image: Sollae Systems
Add Delete		Modify 15

Figure 2-42 Email Account Setting (4)



- A description of the email account is shown when ModMap successfully looks up the information of the email account.
- 10 You can manage email accounts on the list with (15) [Delete] or [Modify] button.

2.11.2 Setting Notify Input or Output Port Change(Email)

ModMap 2.1A (10-Dec2020)-G Group View Advanced Functio Group Warning messa Group Manage log CIE-H Notify Input or of	e e e e e e e e e e e e e e e e e e e	
Email Account S	tting	
Notify Input or Output Port Change(Email)		×
Notify Input or Output Port Change(Email) Group Group Click the checkbox to change values of I/O of CIE-H10	ntrollers at the same time. Notify Input or Output Port Change(Email) Input Port Di0 Di1 Di2 Di3 Di4 Di5 Di6 Di7 Output Port Do0 Do1 Do2 Do3 Do4 Do5 Do6 Do7	
	From :	Email Account Setting
	To :	Send a sample email
	Subject :	
	If "%d" is in the message then it will be replaced to I/O controller's commer If "%p" is in the message then it will be replaced to input or output port's d If "%s" is in the message then it will be replaced to input or output port's s' If "%t" is in the message then it will be replaced to the time an event occur Apply Close	nt. description. status(ON or OFF). rred(YYYY-MM-DD HH:MM:SS).

Figure 2-43 Notify Input or Output Port Change(Email) (1)

① Click [Notify Input or Output Port Change(Email)] menu.



tify In	out or Output Port Cha	nge/Email)			
	Group				
lobeka	the checkbay to change		at the same time (3)		
TE-H10	the checkbox to change	Values of 1/O controllers a	ify Input or Output Port Change(Email) 5		
10 1120			Port Di0 Di1 Di2 Di3 Di4 Di5 Di6 Di7		
		4			
		Output	tPort Do0 Do1 Do2 Do3 Do4 Do5 Do6 Do7 💛		
		From :	7 Sollae Systems	~	Email Account Setting
		To :	9	~	Send a sample email
		Subject	+ . 11 [T/O controller(%d)] The status of the digital port(%o) is	s changed to %s. Event t	time • %t
		Subject			
		[I/O ci	controller(%d)] The status of the digital port(%p) is changed to °	%s.	
		Event	t time : %t		
			(12)		
			<u> </u>		
		If "%d"	" is in the message then it will be replaced to I/O controller's com	ment.	
		If "%p"	" is in the message then it will be replaced to input or output port	t's description.	
		If "%s"	" is in the message then it will be replaced to input or output port	t's status(ON or OFF).	
		lf "%t"	is in the message then it will be replaced to the time an event of	ccurred(YYYY-MM-DD HH:	:MM:SS).
			Apply Close		

Figure 2-44 Notify Input or Output Port Change(Email) (2)

- ② Select the group.
- ③ Click the checkbox to change values of I/O controllers at the same time.
- ④ Click I/O controllers.
- ⑤ Click [Notify Input or Output Port Change(Email)] checkbox.
- 6 Click input or output ports.
- ⑦ Select an email account.
- (8) Refer to 2.11.2 Adding Email Account.
- (9) Enter the recipient's email address or select one previously used.
- 1 Sending a sample email to the recipient.
- (1) Enter the subject.
- 12 Enter the content.
- % %d is replaced the comment of I/O controller.
- % %p is replaced the comment of input or output port.
- % %s is replaced the state of input or output port.
- % %t is replaced the time that the state of input or output port has changed.
- % The notation of the time is YYYY-MM-DD HH:MM:SS.
- ⁽¹³⁾ Click [Apply] button to save all settings.



2.11.3 Time Settings

You can set the time for sending a notification email.

.1A (10-Dec2020)-Group -	- C	x c
Advanced Function		
Warning message		
Manage log	83	
Notify Input or Output Port Change(Email)		
Email Account Setting		
Time Setting		
Finable input note state shange notification		
Time Setting	×	
Always send an email Send an email only to the specified time Add Modify Delete OK		
4	1A (10-Dec2020)-Group Advanced Function Warning message Manage log Notify Input or Output Port Change(Email) Email Account Setting Time Setting Digital Output Port Frable input parts state shares patification Image: Setting Mays send an email O Send an email only to the specified time	1A (10-Dec2020)-Group - C Advanced Function Warning message Manage log Manage log Image log Notify Input or Output Port Change(Email) Image log Time Setting Digital Output Port Time Setting Image log Image log Image log Always send an email Osend an email Osend an email only to the specified time Add Modify Delete OK

Figure 2-45 Time setting (1)

① Click [Time Setting] menu.

Time Setting)	<			
O Always send an email							
Send an email only to the species	ified time						
	Time Setting						×
	PM ~ 1	~ 54	~ ~	PM	~ 1	~ 54	~
	Sunday						3
	Monday						
	Tuesday						
	Wednsday (4)					
Add	Thursday						
	Friday						
	Saturday						
		5	ОК	Cancel			

Figure 2-46 Time setting (2)



- ② Click the [Send an email only to the specified time] radio button if you want to enable sending a notification email function for limited periods.
- \bigcirc Set time period.
- ④ Set days.
- 5 Click [OK] button.

Time Setting	×
◯ Always send an email	
Send an email only to the specified time	
[AM 09:00 ~ PM 06:00] Weekdays	
	\bigcirc
8 Add Modify Delete OK	

Figure 2-47 Time setting (3)

- 6 Select an item.
- ⑦ You can manage the item with [Add], [Modify], and [Delete] buttons.



2.12 Control Multiple Ports

ModMap provides turning on or off digital output ports on several I/O controllers concurrently.

2.12.1 Setting Control Multiple Ports

ModMap 2.1A (10-Dec2020)-Group	0		-		\times			
Group View Advanced Function								
G Add I/O Controller X Manage I/O Controller Control Multiple Ports Backup	CIE-H10	Connected		3	~			
					^			
Control Multiple Ports								
Add Modify Delete	I/O Controller	Group Name	Output Port	>				
How Provery Delete		U.I.			- 1			
Log					- J.			
Ready Time	Log							

Figure 2-48 Control Multiple Ports (1)

① Click [Control Multiple Ports] menu.



Control Multiple Ports		×
Control Multiple Ports	Control Multiple Ports ×	
	Description Control #1 3	
	Group Group \checkmark (4)	
	CTE-H10 (5) Output Port Do0 Do1 Do2 Do3 Do4 Do5 Do6 Do7 (6) (7) (7)	
Log 2	I/O Controller Group Name Output Port CIE-H10 Group DO0 CIE-H10 Group DO2 CIE-H10 Group DO4	
	CIE-H10 Group DO6	
Delete 🔽 Auto		
	Save Close	

Figure 2-49 Control Multiple Ports (2)

- 2 Click [Add] button.
- ③ Enter a brief description.
- ④ Select the group.
- 5 Click I/O controllers.
- 6 Click output ports.
- ⑦ Click [Apply] button to move selected output ports to the list
- (8) Click [Save] button to save all settings.



Control Multiple Ports				×
Control Multiple Ports				
Control #1	I/O Controller	Group Name	Output Port	
		Group	D00	
	9	Group	DO2	
	CIE-H10	Group	DO4	
	CIE-H10	Group	DO6	
Add Modify Delete	£	ON	OFF	
Log	(10)		(II)	
Time	Log			^
2020/12/15 14:10:06	I/O Controller - CIE-H10, Out	put Port - DO4 : Success	of write coil request	
2020/12/15 14:10:06	I/O Controller - CIE-H10, Sen	d a read request to outp	ut ports	
2020/12/15 14:10:06	I/O Controller - CIE-H10, Out	put Port - DO6 : Success	of write coil request	
2020/12/15 14:10:06	I/O Controller - CIE-H10, Sen	d a read request to outp	ut ports	
2020/12/15 14:10:06	I/O Controller - CIE-H10, Res	ponse of read output po	rts	(12)
2020/12/15 14:10:06	I/O Controller - CIE-H10, Res	ponse of read output po	rts	
2020/12/15 14:10:06	I/O Controller - CIE-H10, Res	ponse of read output po	rts	
2020/12/15 14:10:06	I/O Controller - CIE-H10, Res	ponse of read output po	rts	
4				
				-
Delete 🔽 Auto Scroll				
<u> </u>				

Figure 2-50 Control Multiple Ports (3)

- (9) Select an item on the [Control Multiple Ports] list.
- 1 Click [Modify] or [Delete] button to modify or delete the output ports list.
- Click [ON] button to try turn all output ports on.
 Click [OFF] button to try turn all output ports off.
- 2 Log messages related to [ON] or [OFF] action is shown.
- ③ Click [Delete] button to delete all log messages.



2.13 Input ports state change notification

2.13.1 Enable input ports state change notification

ModMap 2.1	A (10	0-Dec2020)-	Group	6				-		×
Group View	Adv	anced Funct	ion							
Group		Warning mess Manage log	sage					. 8		
⊞ CIE-HI		Notify Input o Email Account	or Outp	ut Port Change(Email) 9	onne	ected	1			
		Time Setting				Digit	al Output Port			
1	~	Enable input	ports st	ate change notification			DOO			
		Disable input ports state change notification								
		Time Setting					DO2			
				DI3			DO3			
				DI4		۲	D04			
				DIS			DO5			
				DI6			DO6			
				DI7			D07			
									-	

Figure 2-51 Input ports state change notification

A message box is appearing on the right bottom corner of the desktop whenever I/O devices input ports status have changed.





Figure 2-52 Notification message box

1 [I/O Controller] button:

It selects the I/O controller which has detected notification message in the control window.

- ② [Confirm] button:It closes the message box displayed.
- ③ [Confirm all] button:It closes all message box.



2.13.2 Time setting

ModMap 2.1A (10-Dec.-2020)-Group _ \times Group View Advanced Function Group Warning message 🖃 🛅 Group Manage log - 0 % 🗄 🐙 CIE-H1 Notify Input or Output Port Change(Email) Email Account Setting Time Setting Digital Output Port Enable input ports state change notification DO0 Disable input ports state change notification D01 Time Setting DO2 (1)DO3 DI3 Time Setting \times Always display notifications O Display notifications only to the specified time Ready Add Modify Delete OK

You can set the time for showing notification message box.

Figure 2-53 Time setting (1)

1 Click [Time Setting] menu.



Time Setting							X					
Always display notifications Display notifications only to	the specified time	2										
	Time Setting											×
	PM ~	2	~	14	~	~	PM	~	2	~	14	~
Add	Sunday Monday Tuesday Wednsday Thursday Friday Saturday	4										3
			(5)		OK		Cance	el				

Figure 2-54 Time setting (2)

- ② Click [Display notification only to the specified time] radio button if you want to enable the function for limited time periods.
- ③ Set time period.
- ④ Set days.
- 5 Click [OK] button.

Time Setting	×
O Always display notifications	
Display notifications only to the specified time	
[AM 09:00 ~ PM 06:00] Weekdays	
	\bigcirc
8 Add Modify Delete Of	<

Figure 2-55 Time setting (3)

- 6 Select an item.
- ⑦ You can manage the item with [Add], [Modify], and [Delete] buttons.



2.14 Sound Notification

2.14.1 Sound Notification

When the state of the input port of the I/O controller is changed, the specified sound file is played once. Only files with a .wav extension can be used.

 $\,$ % Sound Notification is available from version 2.0B of the program.

ModMap 2.1A (10-D	ec2020)-Group	0				_	×
Group View Advance	d Function						
Group	▲ 廿 X						
Group		🐯 CIE-H10				• 8	
Co	nnect		Con	nected			
Di	sconnect						
M	odify I/O Control	ler Settings	ort	Digit	al Output Port -		
De	lete I/O Controll	er	•		DO0		
Ad	d I/O Controller				DO1		
	und Notification				DO2		
So	und File Setting				DO3		
Ad	d Group				D04		
		DI5			DO5		
		DI6			DO6		
		DI7			D07		

Figure 2-56 Sound Notification (1)

① Click [Sound Notification] menu.



Sound Notification			TIELCATION
CIE +110 foout Port 0 10 0 11 0 12 0 13 0 14 0 15 0 16 0 17 2	3 Set ON state sound notification >> << Delete	Input Port	Sound Filename Siren.wav
	(4) Set OFF state sound notification >> << Delete	OFF STATE SOUND NC	Sound Flename Siren.wav
Sound File			×
Siren.wav	Path. C:₩Program Files (x86)₩SollaeSyst	tems₩ModMap₩Siren	.wav
			5
۲			>
6	Select Cancel		

Figure 2-57 Sound Notification (2)

- ② Select the input port to be used for sound notification.
- ③ Click [Set ON state sound notification] button to register the input ports to ON STATE SOUND NOTIFICATION group.
- Click [Set OFF state sound notification] button to register the input ports to OFF STATE SOUND NOTIFICATION group.
- 5 Select a sound file.
- 6 Click [Select] button to complete the sound notification registration.



2.14.2 Sound File Setting

Manage files for Sound Notification. You can only use files with the .WAV file extension.

Mod	Map 2.1	IA (10-Dec.	-2020)-Group)				_		×
i Group	View	Advanced	Function							
Group ⊟,िGI ⊕,⊽	roup	10 Connec	▼ 	CIE-H1	10	Conn	ected			
Soun	1 d File Se	Disconr Modify Delete I Add I/O Sound I Sound I Add Gro etting	nect I/O Controller /O Controller Controller Notification File Setting	Settings	t Port		Digital Output Por DO0 DO1 DO2 DO3 DO4	t	×]
N	lame iren.wav			Path C:₩Progr	am Files (x86)₩	SollaeSy	stems₩ModMap₩Si	iren.wav		
R					-				>	
	Add	Dele	te Play S	sound (Jose					
	G	2	3	(4)	(5)					



- ① Click [Sound File Setting] menu.
- ② Click [Add] button to add new sound file.
- ③ Click [Delete] button to delete the file selected in the list.
 ※ If you delete a file that you are using for sound notification, you will not be able to play the sound.
- ④ Click [Play Sound] button to play the file selected.
- ⑤ Click [Close] button to end Sound File Setting.



3 History

Date	Ver.	Comments	Author
15.Oct.2010	1.0	○ Created	Jack Kim
13.Nov.2010	1.1	○ [Script] function has been added.	Jack Kim
24.Dec.2010	1.2	○ [Warning message] function has been added.	Jack Kim
17.Aug.2011	1.4	 Contents about the script has been changed. Screen shots have been updated. 	Roy LEE
30.Jul.2013	1.5	[Log] function has been added.Screen shots have been updated.	Lisa Shin
13.Mar.2014	1.6	 Contents about the script has been changed. Screen shots have been updated. [Notify Input or Output Port Change(Email)] function has been added. 	Jack Kim
22.May.2014	1.7	○ Operating system requirement have been updated.	Jack Kim
12.Feb.2015	1.8	○ Wrong expressions have been modified.	Jack Kim
13.May.2015	1.9	 Contents about [Notify Input or Output Port Change(Email)] has been changed. Script properties related to [Notify Input or Output Port Change(Email)] have been removed. [Control Multiple Ports] function has been added. 	Jack Kim
31.May.2017	2.0	 Screen shots have been updated. [Input ports state change notification] function has been added. 	Jack Kim
29.Aug.2018	2.1	 [Sound Notification], [User Authentication] function have been added. 	Jack Kim
27.Aug.2020	2.2	New products added.Screen shots have been updated.	Jack Kim
30.Aug.2021	2.3	○ ModMap 2.1A applied	Jack Kim

