twareLAB

TW100XX Configuration tool

Tool Manual Ver1.0



Contents

1	Configura	tion Tool Window	5
	1.1	Device List Section	6
	1.2	Device Basic Info Section	7
	1.3	Device General Info Section	8
	1.3.1	Device Network Info Part	8
	1.3.2	Serial Command Mode Setting Part	9
	1.3.3	Switch Input Setting Part	
	1.3.4	Option Setting Part	
	1.4	Device Channel Info Section	
	1.4.1	Operation Mode Part	
	1.4.2	Connection Parameter Part	
	1.4.3	UART Setting Info Part	
	1.4.4	Data Packing Option Part	
	1.5	Command Button Section	14
	1.6	Firmware Upload Section	14
	1.6.1	Upload File Section Part	
	1.6.2	Upload Start and Progress Part	
2	Functions		
	2.1	Device Search	
	2.2	Device settings	
	2.3	Device Reset	
	2.4	Device Factory Reset	
	2.5	Firmware Update	
3	History		

W twareLAB

TABLE OF CONTENTS

Figure 1 twareLAB Configuration Tool initial screen	5
Figure 2 Device List Section	6
Figure 3 Device Basic Info Section	7
Figure 4 Device General Info Section	8
Figure 5 [Device General Info] Network Info Display Part	9
Figure 6 [Device General Info] Display Command Mode Related Information Part	9
Figure 7 [Device General Info] Switch Input Setting Part	10
Figure 8 [Device General Info] Displaying Information for Option Function	10
Figure 9 Device Channel Info Section	11
Figure 10 [Device Channel Info] Operation Mode Display Part	11
Figure 11 [Device Channel Info] Displaying Connection Information with Peer Devices Part	12
Figure 12 [Device Channel Info] Displaying UART Setting Information Part	13
Figure 13 [Device Channel Info] Ethernet Data Packing Option Display Part	13
Figure 14 Command Buttons Section	14
Figure 15 Menu section related to Firmware Up load	15
Figure 16 [Firmware Upload] Part of Selecting Files to Upload	15
Figure 17 [Firmware Upload] Upload Part of Start and Progress Display	16
Figure 18 Device Search Results Screen	17
Figure 19 Screen with target device selected from Device List	18
Figure 20 Message Box displayed when Setting is complete	18

W twareLAB

Figure 21 R Screen with selected device to eset	19
Figure 22 Message Box displayed after the Reset command is passed	.19
Figure 23 Screen for selecting a device to factory reset	20
Figure 24 Message Box displayed after a factory reset command is delivered	21
Figure 25 Screen for selecting a device to update firmware	21
Figure 26 File Dialog for Selecting Binaries to Upload	22
Figure 27 Screen under Firmware Upload	23
Figure 28 Message Box displayed after Firmware Upload is complete	.23

TABLE OF CONTENTS

Table 1 Serial Command Mode Options	9
Table 2 Switch Input Setting Option Descriptions	. 10
Table 3 Connection Parameter Description	. 12
Table 4 Data Packing Option Descriptions	. 14

1 CONFIGURATION TOOL WINDOW

twareLAB Configuration Tool is a PC application used to configure TW100xx modules. There are two versions, one for Windows and one for Linux, and they are available as Freeware. <u>Figure</u> <u>1</u>shows the initial screen displayed after running the Configuration Tool.

I (TW10	00 Configuration tool v1.0.	0		e
Etware LAB	Mac Addr: 44:05:E7:00:00	:00 Product Code	:: TW100xx	Version	1.0.0
	DHCP IP Addr: 0.0.0.0 Subnet: 0.0.0.0 Gateway: 0.0.0.0	Command Mode • Disable • HW Mode • SW Mode	Trigger Character Set (Hex)	DNS Server IP: NTP Server IP: NTP Server Domain:	0.0.0.0 0.0.0.0 time.bora.net
	Channel 1 Channel 2 Channel 3 C Operation Mode Server Mode Client Mode Communication Parameter	thannel 4 Mixed Mode UDP Da UDP Da A UART Options	ata Mode ctivate Data P.	acking Options	Denci Isidiiu, nuwldi *
	Local Part: 0 Peer IP: 0.0.0.0 Peer Port: 0 Peer Domain: 0 Inactivity Time(sec): 0	Baud Rate: 3 Data Bit: 7 Parity: N Stop Bit: 5 Flow Control: N	bit - ch bit - ch rOP_0.5 - one -	aracter(Hex): Size(Bytes): Time(ms):	00
	Search File to upload:	Setting	Reset	F	actory Reset

Figure 1 twareLAB Configuration Tool initial screen

The following chapters describe the detailed configuration.



1.1 DEVICE LIST SECTION

This is the area where the MAC list of the searched boards appears. Once you select one of the MAC addresses here, the board information is retrieved.

	Dict 7108 (00000		TN30Ect	K 143
DACP IV also Subvec Exercise	1.86.9 1.86.9 1.86.9	Erzunand Hode R: Discher D: Dief/Mede D: Siel Wede		
		4 	ni ni r	
* aver Made 🔿 🛪		deri more	ofum Detail	
interfeet	-1	dead Accel IN	CB = 6	е 1
		74.80 M	KW *	4
Search		Setting		Foctory Reset

Figure 2 Device List Section

Click the "Search" button, and then boards in the same network appears in the "Device List Section".



1.2 DEVICE BASIC INFO SECTION

This part displays basic information of the selected board (Mac Address, Product code, Firmware version). The Product code is converted to a Product Name and displayed.

TH/100 C a	eligaration bool v1.0.1	1		000
Mac Addr: 44:05:E7:00:00:00	Product Code:	TW100xx	Versio	on: 1.0.0
Drop Drop Subre Calca Dreva Calca	Creanand-Hode Dooble Dev/Mode Dev/Mode Dev/Mode Dev/Mode	Page-Devector Set New 19 19 19	DAT Terror 20 2019 Same 20 ATD Larver Domain Terror Domain	R.C.D.B R.C.D.B Time Boldaneel Reliaber Islande, Heneller =
Overell Oursell Oursell Oursell Oursell	a light only of a	la Materia		
inent/mot Pres Pri Pres Pri Pres Print O Pres Print O O	And Arra 20 Date #4 11 Packy Tel Stoo #2 ST Fleer Destroll Re	00000 1 * 0000 000000		80 8 8
Search	Setting	Reset		Factory Reset
FW Upload				

Figure 3 Device Basic Info Section

When you select one of the searched boards, the basic information of the selected board is displayed.



1.3 DEVICE GENERAL INFO SECTION

This area shows TCP/IP network information including IP address, command mode, command mode trigger character set, and NTP server information.

	THE NOD COL	riigaration tooli v1/8.	1		
Pac Adda (44.2	6.67.08.8008		THORE		in 18.8
DHCP IP Addr. Subnet: Cateway:	0.0.0.0	Command Mode Disable HW Mode SW Mode SW Mode	Trigger Character Set (Hex)	DNS Server II NTP Server II NTP Server Domain Time Zone: UTC-12	t 0.0.0.0 t 0.0.0.0 t time.bora.net
Cherrel Channel C	inets Chevel	a ODF D Niet mole	at Mar		
		UNIT Options			
Perr IV.	1608				1
			cae ×		6
Search		Setting	Reset		Foctory Reset

Figure 4 Device General Info Section

It consists of three parts as shown below.

1.3.1 Device Network Info Part

It shows the basic information for TCP/IP communication, such as IP address, subnet, and gateway IP address information. It provides a DHCP option that automatically obtains an IP address instead of a manual configuration.

DHCP	_	
IP Addr:	0.0.00	
Subnet:	0.0.0.0	
Gateway:	0.0.0.0	
<u> </u>	_	_

Figure 5 [Device General Info] Network Info Display Part

1.3.2 Serial Command Mode Setting Part

This is an area for the "Serial Command Mode" setting to control the board with a serial terminal.



Figure 6 [Device General Info] Display Command Mode Related Information Part

"Command Mode" supports three options:

options	Details		
Disable	Option not to use Serial Command Mode.		
HW Mode	HW_TRIGGER Option to enable/disable Serial Command Mode according		
	to the status value of the Pin.		
SW Mode	Option to enter Serial Command Mode by successively transmitting a pre-		
	promised Character Set to port UART1.		
	*) Firmware version 1.0.0 does not support it.		

Table 1 Serial Command Mode Options



1.3.3 Switch Input Setting Part

The TW100xx module provides the ability to perform Software Reset and Factory Reset by external GPIO input, which is called Switch Input.

Figure 7shows a menu that enables/disables this function.



Figure 7 [Device General Info] Switch Input Setting Part

state	meaning	Detailed Description
Checked	Enable	Enable SW_Input pin monitoring
Unchecked	Disable	Disable SW_Input pin monitoring

Table 2 Switch Input Setting Option Descriptions

1.3.4 Option Setting Part

This is an area to set DNS server IP settings for the function that enables access by domain name, and NTP Server information for receiving time information.

DNS Server IP:	0.0.0.0
NTP Server IP:	0.0.0.0
NTP Server Domain:	time.bora.net
Time Zone: UTC-12:00	0 Baker Island, Howlai 👻

Figure 8 [Device General Info] Displaying Information for Option Function

If you are using NTP, you can set the local time in your area through the Time zone.



1.4 DEVICE CHANNEL INFO SECTION

Channel 1 Channel 2	Channel 3 Channel 4			
Operation Mode		UDP Data Mode		
• Server Mode	Client Mode	ixed Mode Activate		
Communication Paramete	r	UART Options	Data Packing C	ptions
Local Port:	0	Baud Rate: 300	Character	(Hex): 00
Peer IP:	0.0.0.0	Data Bit: 7 bit 👻	Size(B	ytes): 0
Peer Port:	0	Parity: None 👻	Time	(ms): 0
Peer Domain:		Stop Bit: STOP_0.5	-	
Inactivity Time(sec):	0	Flow Control: None	•	

The TW100XX board supports four serial interfaces. This is an area for setting each serial interface.

Figure 9 Device Channel Info Section

It is divided into four main areas as follows.

1.4.1 Operation Mode Part

This is an area for setting the communication operation mode. It supports three types of TCP mode are supported: "Server Mode", "Client Mode", and "Mixed Mode" that uses a TCP communication and a UDP mode that uses a connectionless UDP communication.

Cheveril Channel? Channel's Ch	arrest a	
Operation Mode	UDP	Data Mode
Server Mode Client Mode	O Mixed Mode	Activate

Figure 10 [Device Channel Info] Operation Mode Display Part

For details of "Operation Mode", see "TW100xx User Manual" documents.

1.4.2 Connection Parameter Part

This area manages basic information for TCP/IP data communication used in the "1.4.1 Operation Mode" Part.

CE DAVIE MA			O etiet mile
_			_
Communication P	arame	ter	1,00
Loca	l Port:	0	
P	eer IP:	0.0.0.0	
Pee	r Port:	0	
Peer De	omain:		
Inactivity Tim	e(sec):	0	

Figure 11 [Device Channel Info] Displaying Connection Information with Peer Devices Part

It can be divided into three main parts as follows.

Field Name	Detailed Description				
	The Local port information of TW100XX is used as the local				
Local Port	port of the basic TCP socket. Also, it is used as important				
	information for the Listen Port of "Server Mode".				
	In the case of "Client Mode" and "Mixed Mode", it is an				
	area that specifies the network information of the				
Peer IP	server(peer).				
Peer Port	In the case of "Peer Domain", you can use it if you want to				
	connect with a domain name instead of the IP address of				
Peer Domain	the peer. In this case, 1.3.3. The DNS Server IP value listed				
	in must be set.				
	If no data exists for a specified time, the TCP Connection is				
	automatically disconnected. It reduces the burden on the				
Inactivity Time	network to maintain TCP Connection without data				
	communication for a long time, and helps to detect				
	unexpected network failures in a short time.				

Table 3 Connection Parameter Description

1.4.3 UART Setting Info Part

This is an area that sets basic information for serial interface communication.

Baud Rate:	300 -
Data Bit:	7 bit 👻
Parity:	None 👻
Stop Bit:	STOP_0.5 *
Flow Control:	None

Figure 12 [Device Channel Info] Displaying UART Setting Information Part

Option entry	Detailed Description
Baud Rate	300bps ~ 3Mbps. For details, see "TW100xx User Manual" document.
Data Bit	Supports 8bit only
Parity None/Odd/Even support	
Stop Bit Support 0.5/1/1.5/2	
Flow Control	None, RTS/CTS, Xon/Xoff, RTS Only, Reverse RTS Only.
Flow Control	*) Xon/Xoff, Reverse RTS Only is not supported in firmware V1.0.0.

1.4.4 Data Packing Option Part

This area that specifies the Data Packing options that are used as delimiter conditions for transmitting data. For <u>details on the operation of Data Packing Options</u>, see "<u>TW100xx User</u> <u>Manual" documents.</u>

Character(Hex):	00	
Size(Bytes):	0	
Time(ms):	0	

Figure 13 [Device Channel Info	l Ethernet Data Packii	ng Option Display Part
--------------------------------	------------------------	------------------------

The supported conditions are divided into the following three categories. If two or more are specified, data transmission is performed if any one is satisfied.



options	Detailed Description
Character (Hex)	Set the "Hex Code" of the 1Byte character delimiter. To deactivate, enter
	"00".
Size (Bytes)	Set the delimiter size number between 0 \sim 1000. To deactivate, enter " 0 ".
Time(ms)	Set the delimiter time(milliseconds) number between 0 ~ 1000. To
lime(ms)	deactivate, enter " 0 ".

Table 4 Data Packing Option Descriptions

1.5 COMMAND BUTTON SECTION

This section runs the function of searching, setting, and resetting the board.

F				
	Search	Setting	Reset	Factory Reset
A los be	and and a second second			

Figure 14 Command Buttons Section

It supports 4 functions as follows.

entry	Detailed Description		
Search	Search for TW100xx boards on the same network		
Setting Set the configuration data into the selected board			
Reset Reset selected board			
Factory Reset	Command to "factory reset" on selected board		

For moreFunctions2. Functions.

1.6 FIRMWARE UPLOAD SECTION

This is an area to set information for firmware update.

	PECADE MA	6-57.06 80:00		TNOTES		win 143
	Drop Prater Subret		Desmand Hode			
			- nem teper		Dearderer U.H.	
	Lacal Paul					90 1
						8
	Search		Setting	Res		Factory Reset
	File to upload:		-	-		
	FW Upload			0%		

Figure 15 section related to Firmware Up load

It is divided into two parts as follows.

1.6.1 Upload File Section Part

This is the area to select the firmware file to update. 🖃 button to select the firmware file. A folder named "binary" in the executable folder is specified as the initial value.



Figure 16 [Firmware Upload] Part of Selecting Files to Upload

1.6.2 Upload Start and Progress Part

This is the "FW Upload" button and the area to indicate the progress of the update.

Nic to splood		
FW Upload	0%	

Figure 17 [Firmware Upload] Upload Part of Start and Progress Display

2 FUNCTIONS

Support 4 functions as Device search, setting, reset, and firmware update.

2.1 DEVICE SEARCH

Search TW100XX boards currently running on the network. Click the "Search" button to start the search operation.

	Mac Addr: 44:05	E7:00:00:00	Product Code:	TW100xx	Ver	sion: 1.0.0
5:E8:00:00:03	DHCP IP Addr. 0.0 Subnet: 0.0 Gateway: 0.0	0.0 0.0 0.0	nmand Mode Disable HW Mode SW Mode Switch Input	Trigger Character Set (Hex)	DNS Server NTP Server NTP Server Doma Time Zane: UTC-1	IP: 0.0.0.0 IP: 0.0.0.0 in: time.bora.net 2:00 Baker Island. Howlan 1
	Channel 1 Channel 2 Chan Operation Mode	nel 3 Channel 4	UDP Dat	a Mode iivate		
	Communication Parameter Local Port: Peer IP: Peer Port: Peer Domain: Inactivity Time(sec):	0 0.0.0.0 0 0 0	UART Options Baud Rate: 300 Data Bit: 7 b Parity: No Stop Bit: STO Flow Control: No	Data 1	Packing Options haracter(Hex): Size(Bytes): Time(ms):	00 0 0

Figure 18 Device Search Results Screen

As shown in the figure above, the MAC addresses of the searched boards are displayed in the "Device List" area. When the MAC address of the displayed board clicks, it takes time to get the information of the board once for the first time. When the information is received, the board information is automatically updated and displayed in the information window.



2.2 DEVICE SETTINGS

		TW100 Configu	ration tool v1.0.0)		••
	Mac Addr: 44:05:E8	8:00:00:09	Product Code:	Eth22M_01	Ve	rsion: 1.0.0
44:05:E8:00:00:03	✔ DHCP IP Addr: 192.168. Subnet: 255.255.2 Gateway. 192.168	0.34 0.55.0 0.0.1	mand Mode Disable HW Mode SW Mode	Trigger Character Set (Hex)	DNS Server NTP Server NTP Server Domu Time Zone: UTC+	IP: 168.126.63.1 IP: 0.0.0.0 ain:
	Channel 1 Channel 2 Channel Operation Mode	1 3 Channel 4 Node Mixed	UDP Da	ta Mode tivate		
	Communication Parameter Local Port: Peer IP: 19: Peer Port: Peer Domain: Inactivity Time(sec):	5000 2.168.0.100 6001 0	UART Options Baud Rate: 11 Data Bit: 8 t Parity: No Stop Bit: ST Flow Control: No	Data	Packing Options :haracter(Hex): Size(Bytes): Time(ms):	00 0 0
	Search File to uplood: /home/jameskim/works	Se	<i>tting</i>	Reset	V1.0.0_221031.bin	Factory Reset
	FW Upload			0%		

This function sets the information of the selected TW100XX board.

Figure 19 Screen with target device selected from Device List

After modifying the information of the selected board, press the "Setting" button to perform the configuration operation. When the operation completes successfully, the following message window appears.



Figure 20 Message Box displayed when Setting is complete



2.3 DEVICE RESET

	TW100	Configuration tool v1.0.0		● @ ⊗
	Mac Addr: 44:05:E8:00:00:03	Product Code: WIZ14xSR_CO	MPATIBLE	Version: 2.1.0
44:05:58:00:00:03	☑ DHCP IP Addr: 192.168.0.33 Subnet: 255.255.255.0 Gateway: 192.168.0.1	Command Mode Disable HW Mode SW Mode Trigger Chara SW Switch Input	DNS Ser NTP Ser acter Set (Hex) 32 32 Time Zone: UT	ver IP: 168.126.63.1 ver IP: 0.0.0.0 omain:
	Channel 1 Channel 2 Channel 3 Cha Operation Mode Server Mode Client Mode	UDP Data Mode	Det Delle Option	
	Local Port: 0 Peer IP: 0.0.0.0 Peer Port: 0	Baud Rate: 115200 * Data Bit: 8 bit * Parity: None *	Character(Hex): Size(Bytes): Time(ms):	00 20 100
	Peer Domain: Inactivity Time(sec): 0	Stop Bit: STOP_1.0 * Flow Control: None	•	
	Search	Setting	Reset	Factory Reset
	File to upload: /home/jameskim/workspace/pyth	on_ws/twLabConfig/convertedbinary/testx_4	CH_S2E_STD_V1.0.0_221031.bin	

This is a function that resets the selected board.

Figure 21 R Screen with selected device to eset

Select the board and click the "Reset" button to perform a forced reset. When the board receives a reset message, the following message window is displayed.



Figure 22 Message Box displayed after the Reset command is passed



2.4 DEVICE FACTORY RESET

This function allows "Factory reset" of the selected board. If the board behavior is abnormal or the settings are wrong, it returns to the initial state of release.

		TW100 Configur	ation tool v0.9	э.оь		● 🛙 😣
	Mac Addr: 44:05	5:E8:00:00:03	Product Co	ode: Eth22M_01	Ve	rsion: 1.0.0
44:05:E8:00:00:03	DHCP	68 0 100	mand Mode	Trigger Character Set (Hex) 40 40 40	DNS Server	<i>IP</i> : 168.126.63.1
	Subnet: 255.2	55.255.0	HW Mode		NTP Server	r IP: 0.0.0.0
	Gateway: 192.	168.0.1			NTP Server Dom	ain:
					Time Zone: UTC+	09:00 Korea, East Timor, F 👻
	Channel 1 Channel 2 Cha	nnel 3 Channel 4		Date Maria		
	Operation Mode Server Mode Clie	nt Mode O Mixed	Mode	Activate		
	Communication Parameter		UART Options	Di	ta Packing Options	
	Local Port:	5001	Baud Rate:	115200 👻	Character(Hex):	00
	Peer IP:	0.0.0.0	Data Bit:	8 bit 👻	Size(Bytes):	0
	Peer Port:	0	Parity:	None 👻	Time(ms):	0
	Peer Domain:		Stop Bit:	STOP_1.0 ×		
	Inactivity Time(sec):	10	Flow Control:	None 👻		
	Search	Se	tting	Rese	:	Factory Reset
	File to upload:					
	FW Upload			0%		

Figure 23 Screen for selecting a device to factory reset

Select a board and click the "Factory reset" button to perform a "Factory Reset" of the board. The previous settings will be lost and will be changed to the initial value of the release, so you should use the function with caution. When the "Factory Reset" message is normally received on the board, the following message window is displayed.



Figure 24Message Box displayed after a factory reset command is delivered

2.5 FIRMWARE UPDATE

This function allows you to update the firmware of the TW100XX board.

	т	W100 Configuration tool v).9.0Ь		● 🛛 😣
	Mac Addr: 44:05:E8:0	0:00:03 Product	Code: Eth22M_01	Versio	on: 1.0.0
44:05:E8:00:00:03	DHCP IP Addr: 192.168.0.1 Subnet: 255.255.255 Gateway: 192.168.0.	Command Mode Disable Disable HW Mode SW Mode	Trigger Character Set (Hex) 40 40 40	DNS Server IP. NTP Server IP. NTP Server Domain. Time Zone: UTC+09	: 0.0.0.0 : 0.0.0 Vorea, East Timor, F *
	Channel 1 Channel 2 Channel 3 Operation Mode Server Mode Client Mode	Channel 4 UL	P Data Mode Activate		
	Communication Parameter	UART Options	Da	ta Packing Options	
	Local Port:	5001 Baud Rat	e: 115200 🔻	Character(Hex):	00
	Peer IP: 0.	.0.0.0 Data B	it: 8 bit 🔻	Size(Bytes):	0
	Peer Port:	0 Paril	y: None 🔻	Time(ms):	0
	Peer Domain:	Stop B	t: STOP_1.0 👻		
	Inactivity Time(sec):	10 Flow Contro	l: None 🔹		
	Search	Setting	Reset		Factory Reset
	File to upload:				
	FW Upload		0%		

Figure 25for selecting a device to update firmware

Select the board, and select the firmware file.

In the "File to upload" area, "..." When you press the button, the following file selection window appears. Select the firmware file and click the "Open" button.

	Select Firmware file	į			8
Look in:	/home/jameskim/wLabConfig/bin	ary	• «	> 🔺 🝺	
Com	Name	•	Size	Туре	Date Mo
jame 🗈	testx_4CH_S2E_STD_V1.0.0_221024.bir	١	13i	3 bin File	22. 10
File name:	testx 4CH S2E STD V1.0.0 221024.bit	1			Open
Fill Ci					open
Files of type:	BIN Files(*.bin)			•	× Cancel

Figure 26File Dialog for Selecting Binaries to Upload

After checking the file name, click the "File Upload" button below to perform the firmware update function immediately.



Mac Addr: 44:05:E8:00 P Addr: 192.168.0.34 Subnet: 255.255.255. teway: 192.168.0.1 Channel 2 Channel 3	2:00:09	Product Code: mand Mode Disable HW Mode SW Mode	Eth22M_01	Ver DNS Server NTP Server NTP Server Dome Time Zone: UTC+	rsion: 1.0.0 IP: 168.126.63.1 IP: 0.0.0.0 iin:
P Addr: 192.168.0.34 Subnet: 255.255.255. treway: 192.168.0.1		nand Mode Disable HW Mode SW Mode] Switch Input	Trigger Character Set (Hex)	DNS Server NTP Server NTP Server Domo Time Zone: UTC+1	IP: 168.126.63.1 IP: 0.0.0.0
Channel 2 Channel 3					09:00 Korea, East Timor, F 🔻
1ode r Mode Client Mod	Channel 4	UDP Date Mode	t Mode vate		
ion Parameter		UART Options	Data	Packing Options	
Local Port: 50	000	Baud Rate: 115	200 👻 🤇	Tharacter(Hex):	00
Peer IP: 192.10	68.0.100	Data Bit: 8 bi	t •	Size(Bytes):	0
Peer Port: 60	001	Parity: Nor	ie 👻	Time(ms):	0
er Domain:		Stop Bit: STO	P_1.0 ¥		
Time(sec):	0	Flow Control: Nor	ie 👻		
Search	Se	tting	Reset		Factory Reset
/home/iameskim/workspace	Sec ce/python_ws/twL	.abConfig/convertedbir	nary/testx_4CH_S2E_STD_	V1.0.0_221031.bin	ructory Reset
	Search	Search Se	Search Setting	Search Setting Reset /home/jameskim/workspace/python_ws/twt.abConFig/convertedbinary/testx_4CH_S2E_STD_ 30%	Search Setting Reset /home/jameskim/workspace/python_ws/twLabConFig/convertedbinary/testx_4CH_S2E_STD_V1.0.0_221031.bin 30%

Figure 27under Firmware Upload

The Progress bar shows the progress of the update. When finished, the following message window appears.



Figure 28Message Box displayed after Firmware Upload is complete

After that, it is recommended to click "Search" button again to check if the changed firmware version has been applied correctly.

W twareLAB

3 HISTORY

Date	Description
2022-11-03	V1.0 First Released