ICP DAS



FAQ Version 3.2

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Q1: Could you please confirm that GW-7472 works with SLC-500 (SLC5/05) without any problems?

A1: We never test GW-7472 this device with SLC-500. But this device ever tested with the Hilscher CIFX 50-RE Ethernet/IP master. It can communicate with the master via following I/O connection methods.

- (1) Transport and trigger: Exclusive-Owner, Cyclic
- (2) Original to Target Type: POINT2POINT, (MULTICAST not supported)
- (3) Target to Original Type: POINT2POINT, MULTICAST

Q2: In some case, the byte order of the AI/AO word data in the communication is reversed, i.e. low byte is MSB and high byte is LSB. Is there a byte swapping function?

A2: After the firmware version 1.5 of GW-7472, the utility supports the "Byte Order Setting" as shown in the following figure.

🔏 Configuration								
Network Settings MAC Address Address Type Static IP Address Subnet Mask Default Gateway	00-0D-E0 Static IP 192 1668 255 255 192 1668	0-90-00-02 3 22 35 5 0 0 3 0 1	MBR TU Port Sett Baud Rate (bps): Data Bits (bit): Parity: Stop Bits (bit): Byte Order Setting O High (Low	9600 8 None 1	V V V V	MBTCP Server Solution Server Solution Server IP 19 No. 192 1 192 2 192 3 192 4 192	etting 2 168 1P2 IP 168 255 168 255 168 255 168 255 168 255 168 255	Confirm 0 0 1 IP0 5 2 5 3 5 4 5 5 5 6
Modbus Request C Device Options Function Code ID (dec) Count (dec) Start Address (de	Command RTU FC3 R 4 3 158	 ead multi-registers ((1~247) (1~120 words) (0~65535) 	4xxxx) for AO	~	Command In Total Input Total Output Command In	Add D fo (T->O) 6 (O->T) 6 terval 1000	elete (bytes) (bytes) (ms)	Setting Files Management Load Save File File Firmware Version: 2012/10/16 v2.2
Devi	ce II	D Function Code	e Start Address	Count	Туре	EIP Input Address (byte)	EIP Out (byte)	
► 1 RTU	4	3	158	3	AO Words	0~5	NA	
2 RTU	4	16	152	3	AO Words	NA	0~5	
<							>	

Q3 : How to make a Class1 connection with the GW-7472 Utility Diagnostic window?

A3 : Configure the total output/input size in the "Forward Open Class1 Behavior" on the Diagnostic window. Please notice that the total input/output size on the Diagnostic window and the total input/output size on the Configuration window must be the same. Then, you can click "Class1" button to make a Class1 connection on the Diagnostic window.

Diagnostic (192.168.22.35) Forward Open Class 1 Behavior Service Code(hex) E UCMM Class Code(hex) 4 Instance ID(hex) 64 Class1 Instance ID(hex) 1 Attribute ID(hex) 1 O->T Point(hex) 66 T->O Point(hex) 65 DisConnect Request Data(hex) O->T Size(dec) T->O Size(dec) 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 Output Count RPI(dec) 300 Updata Output 1 ms 11 22 0 1 0 1 2 3 4 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 🔨 2 0 00 FF 1 2 Response Message 3 Common Industrial Protocol 4 0_to_T API: 300ms(0x493E0) ^ 5 T_to_0 API: 300ms(0x493E0) 6 Application Reply Size: O(words) 7 Reserved: 0x00 8 Application Reply: ¥ 1 Input Count Common Packet | 5 0 | 1 2 3 14 7 8 9 | 10 | 11 | 12 | 13 | 14 | 📥 Item Count: 2 ~ 0 00 FF 00 80 75 30 Address Type ID: 0x8002 1 Address Length: 8(byte) 2 Connection Identifier: 0x4AF3F5BF 3 Sequence Number: 128 4 Data Type ID: OxBl 5 Data Length: 8 Sequence Count: 1 6 7 8 Modbus TCP Server Status TCP No.2 TCP No.3 TCP No.5 TCP No.0 TCP No.1 TCP No.4 TCP No.6 TCP No.7 CP No.8 TCP No.9 Modbus Request Command Add Delete Device Options RTU ¥ Command Info Function Code FC3 Read multi-registers (4xxxx) for AO ¥ Total Input (T->O) (bytes) 6 ID (dec) $(1 \sim 247)$ 4 Total Output (O->T) 6 (bytes) Count (dec) (1~120 words) 3 Command Interval 1000 (ms) Start Address (dec) 158 (0~65535) EIP Input Address EIP Out Device ID Function Code Start Address Count Туре (byte) (byte) 3 Þ 1 RTU 3 158 AO Words 0~5 4 NA 2 RTU 4 16 152 3 AO Words NA 0~5

Q4 : Why did the pop-up message "FW Version Error" be shown after I run the new version Utility?

A4 : The utility of version 2.0 and later only supports the firmware version 2.0 and the after. Please go to the product page of the GW-7472 to get the new firmware and update the module. The firmware



Please follow our steps to update the firmware :

Step1 : We provide two ways to check MAC address.

(a) Use v1.X GW-7472 Utility configuration window to find out your MAC address on the top of "Network Settings".

Network S	ettings	-		_	Firmwar	e Version:	2012	2/1/17 v1.5	Undate
MAC Ad	dress	00-0D-E0	-80-00-	-20	Port Settin	igs			Settings
Address	Туре	Static IP		~	Baud Rat	e (bps):	1152	00 🖌	
Static IP A	ddress.	192 168	255	1	Data Bits	(bit):	8	~	
Subnet 1	víask	255 255	0	0	Pari	ty:	None	~	
Default Ga	ateway	192 168	0	1	Stop Bits	: (bit):	1	~	Exit
	ID	Function Co	ode Sta	rt Address	Count	Туре		EIP Input Address (byte)	EIP Output Address (byte)
▶ 1	1	2	0		16	DI Bits		0~1	NA
2	2	15	0		16	DO Bits		NA	0~1

(b)In another way, you can get your MAC address from the ARP list. Follow the "[Start Menu] \rightarrow [Run] \rightarrow [cmd]" to open the command window and check GW-7472 IP address through Ping command (e.g. ping 192.168.255.1). Then, you could get the ARP list through ARP command (e.g. arp -a). Finally, you`ll get the MAC address is shown below.

C:\WINDOWS\system32\c	md.exe		_ 🗆	×
C:∖>ping 192.168.255.	1			1
Pinging 192.168.255.1	with 32 bytes of data	:		
Reply from 192.168.25 Reply from 192.168.25 Reply from 192.168.25 Reply from 192.168.25	5.1: bytes=32 time<1ms 5.1: bytes=32 time<1ms 5.1: bytes=32 time<1ms 5.1: bytes=32 time<1ms	TTL=255 TTL=255 TTL=255 TTL=255 TTL=255		
Ping statistics for 1 Packets: Sent = 4 Approximate round tri Minimum = Oms, Ma	92.168.255.1: , Received = 4, Lost = p times in milli-secon ximum = Øms, Average =	0 (0% loss) ds: 0ms	P.	
C: \>arp -a				
Interface: 192.168.22 Internet Address 192.168.0.101 192.168.0.254 192.168.255.1 C: \>	.2 0x2 Physical Address 1c-6f-65-88-b9-73 00-19-ch-08-50-70 00-0d-e0-80-00-20	Type dynamic dynamic dynamic		
0. 0				-

Step2 : Follow these steps "[Main Menu] \rightarrow [Device] \rightarrow [Download]" to open the FW download window. Key in the MAC address we found in Step1, and an available IP address on this window. Select the firmware file (e.g. GW7472_v2.dat) to download.

🎾 Firmware I	Downloa	ıd			
Available IP	192	168	255	1	
MAC Address	00	OD EO	80	00	20
File	D:\Et	herNet_I	P\GW	Select	File
				Down	load

Step3 : After downloading the firmware, please check the Utility whether the version is V2.0 or not on the Main Menu.



Q5: How to connect to the Allen-Bradley PLC?

A5 : It is tested and confirmed that the GW-7472 can be connected to the Allen-Bradley[™] ControlLogix Logix 5563 through the 1756-ENBT ControlLogix EtherNet/IP Module successfully. The configuration software is RSLogix 5000. Please follow the steps below: (a)Add a new Module and select ETHERNET-MODULE.



(b)Configure the "Module Properties" window. Please notice that the total input size on the Module Properties window and the total input size on the GW-7472 Utility must be the same. Also, the total output size on the Module Properties window and the total output size on the GW-7472 Utility must be the same.



PLC Setting

ew Module											
Type: ETHERNET-MODU Vendor: Allen-Bradley Parent: ETH 8			ULE Ger	veric Eth	ernet Module						
Name:	GW-7	72			Connec	tion Parame	ters				
Description				-	ā	In	itance:	Size:			
					Input	1	01	32 3 18	8-bit		
	<u></u>			3	Outpu	£ 10		32 3 18	B-ball		
Comm Format	Data -	SINT			Config	puration: 10	DOI DO	0 C (B-bit)		
Address / H	ost Nan	e 192 [168	10	1	Statu	Inout	-				
On Houre	-										
	nin'				Statut	Output _		- A.,			
O Host Nar	le Piope	rties				ОК	Cance		eb		
O Host Nat	le Piope	rles		GW	-7472 U	ok Jtility	Cance		eb		
O Host Nat	de Prope	rties equest Com	mend	GW	-7472 (ok Jtility	Cance		eb		
O Host Nat	e Prope odbus R Device C	rties equest Com	mand RTU	GW	-7472 (ok Jtility	Cance		eb dd		eloto
O Host Nat	e Picpe odbus R Device C Punction	rties equest Com iptions Code	mand RTU PC16	GW-	-7472 U	OK Jtility xxx) for AO	Cance	Commer	elo dd si Info		elete
O Host Nat	odbus R Device C Function ID (dec)	rties equest Com Iptions Code	RTU RTU PC16	GW- Wate ma	-7472 (di-register (4x 247)	OK Jtility xxx) for AO	Cance	Commer Total Ing	eb dd sd Info put (T-2)	D	elete (bytes)
O Host Nat	odbus R Device C Punction ID (dec) Count (d	rties equest Com ptions Code ec)	RTU RTU PC16 1 16	GW- Write mu (1- (1-	-7472 U 25-registers (4x 247) 120 words)	OK Jtility xxxx) for AO	Cance	Comman Total Ing Total Ou	eb dd dd Info put (T-2) stput (t->T)	232 32	elete (bytes)
O Host Nar	odbus R Device C Function ID (dec) Count (d	rties equest Com ptions Code ec) tress (dec)	mand RTU PC16 1 16 0	GW-	-7472 U db-orginten (4x 247) -120 words) 65535)	OK Jtility XXXX Jor AO	Cance	Commer Total Ou Commer	dd dd Info put (T-2) stput (R>T) ad Interval	232 32 1000	elete (bytes) (bytes) (ms)
O Host Nar	odbus R Device C Function ID (dec) Count (d Start Add	equest Com ptions Code ec) Izess (dec) Device	RTU RTU PC16 1 16 0	GW- Write mo (1- (1- (0- D Fr	-7472 U ds-registen (4x 247) -120 words) 65535) maction Code	OK Jtility xxxx) for AO Start Addan	Cance	Comman Total Ing Total Ou Comman	dd dd Info put (T-3) atput (t->T) ad Interval EIP Input (byte)	232 32 1000 Address	elete (bytes) (ms) EIP Ou (byte)
O Host Nar	e Prope odbus R Device C Punction ID (dec) Start Add	rties equest Com ptions Code ec) Izess (dec) Device RTU	RTU RTU PC16 1 16 0	GW- Wate and 0 0 0 0 16	-7472 U th-registen (4x 247) -120 words) 65535) unction Code	OK Jtility XXXX Jor AO Start Addar 0	Cance	Commer Total Ing Total Ou Commer Type AO Worts	elp dd ad Info put (T->1) d Interval EIP Input (byte) NA	232 32 1000 Address	elete (bytes) (bytes) (ms) EIP Ou (byte) 0-31

Q6: How to check the connections between the GW-7472 and the Modbus devices ?

A6 : Open the GW-7472 Utility Diagnostic window, and set the UCMM values (Service = E, Class Code = 4, Instance ID = 67, Attribute ID = 3), as shown in the figure below. Click "Class3" to start the connection. If the devices have been connected and receive the information from Modbus devices, the "common packet" will show "00". If GW-7472 couldn`t receive the information from a Modbus devices, the "common packet" will show "06". The status table is shown below, and it could be found in the GW-7472 manual on page 47.

Service = E , Class Code = 4 , Instance ID = 67 , Attribute ID = 3	
biagnostic (192.168.22.17)	
	Ronward Onen Clare 1 Behavior
Service Code (hex) S Class Code (hex) 4 UCMM Class3	Class Code (hex) 4 Instance ID (hex) 64 Class1
Instance ID(hex) 67 Attribute ID(hex) 3 DisConnect	O->T Point(hex) 66 T->O Point(hex) 65
Request Data(hex) Data Size(dec) 2 I II(dec) 300 ms	O->T Size(dec) 4 T->O Size(dec) 4
	Output Count 0 RPI(dec) 300 ms Updata Output
3	
Response Message Common Industrial Protocol	
Originator Vendor ID: 0xBB	
Application Reply Size: O(words) Reserved: 0x00	
Application Reply:	
Common Packet	Input Count 0
Sequence Count: 190	
Modbus TCP Server Satus	
TCP NO.U TCP NO.1 TCP NO.2 TCP NO.3 TCP NO.4	ICP NO.5 ICP NO.5 ICP NO.7 ICP NO.8 ICP NO.9

Command Status (in hex)	Explanation
00	No Error
01	Illegal device ID
02	Illegal function code
03	Illegal data address
04	Receiving an Invalid command
05	CRC checking error
06	Timeout error occurred

10

Q7: How can I check the wire connections?

A7:There are 4-wire RS-422 wiring and 2-wire RS-485 wiring. The wire connection interface is shown below.



The wire connections between Modbus masters and Modbus slaves must be follow the figure we show below. For non-isolated RS-422/485 ports, you should connect all signal grounds of RS-422/485 devices together. This reduces common-mode voltage between devices.





Q8:How to set up the GW-7472 for Modbus TCP?

A8:In the GW-7472 configuration window, please change the "Device Options" to be "TCP No.0" in the "Modbus Request Command" and fill out the Modbus device settings you want to connect with. Then, set the Server IP in the "MBTCP Server Setting". Please notice that the total input/output size on the Diagnostic window and the total input/output size on the configuration window must be the same. The example settings are shown below.

A Configuration									
Network Settings MAC Address Address Type Static IP Address Subnet Mask Default Gateway	00-0D-E0-90- Static IP 192 168 22 255 255 0 192 168 0	00-02 2 34 0 254	MER TU Port Settin Baud Rate (bps): Data Bits (bit): Parity: Stop Bits (bit): Byte Order Setting O High I Low	115200 8 None 1	Low I High	MBTCP Server S Server No. Se Server IP 19 0 192 1 192 2 192 3 192 4 192	Setting rver 0 92 168 112 111 168 22 168 255 168 255 168 255 168 255	Confirm 22 70 70 71 72 4 5 6 V	Update Settings and Reboot Exit
Modbus Request C Device Options Function Code ID (dec) Count (dec) Start Address (de	Command TCP No.0 ✓ FC3 Read m 1 (8 (c) 0 (ulti-registers (4 1~247) 1~120 words) 0~65535)	xxxx) for AO	~	Command Ir Total Input Total Output Command Ir	Add [] nfo (T->O) 16 :(O->T) 0 nterval 56	Delete (bytes) (bytes) (ms)	Setting Files M Load File Firmware Versi 2012/10/16 v2	Save File on: 2
► 1 TCP	∾• ID NO.0 1	Function Code	menbhé tret?	Count 8	Туре AO Words	EIP Input Address (byte) 0~15	EIP Out (byte) NA	1	
<			111				>		

Q9:How to set up GW-7472 in RSLogix 5000 MSG ladder element ?

A9: If you want to connect to GW-7472 with Get Attribute Single or Set Attribute Single, you can configure MSG ladder element in your routine. Please refer the steps to complete the configurations.

(1) Create input/output tags and input/data data. The data type of tags are "Message". The data type of data are "SINT[...]". Please notice that the size of data array (RSLogix 5000) and the size of I/O length (GW-7472) must be the same.

ontroller Organizer	- Ț × Scope: 🛐 io	opdas 👻	Show: All Tags			
Controller icpdas Controller Tags Controller Fault Handler Power-Up Handler Tasks MainTask MainProgram MainProgram Unscheduled Programs / Phases	Name	Alia ags lata tags data	IS For Base	e Tag Dat MES SIN MES SIN	a Type SSAGE T[2] SSAGE T[4]	Description
A Configuration v2.1.1						
Network SettingsMAC Address00-0D-E0-80-00Address TypeStatic IPStatic IP Address19216822Subnet Mask2552550Default Gateway1921680	 MBRTU Port S D-F7 Baud Rate (bp Data Bits (bit) 72 Parity: 0 Stop Bits (bit) Byte Order Set (•) High Low 	Settings 0s): 115200 None): 1 tting v O Low	MBTCP Server Server No. 0 1 2 3 4	Server Setting No. Server 0 IP 19 IP3 IP2 IP3 IP2 I92 168 192 168 192 168 192 168 192 168 192 168 192 168 192 168 192 168	Confirm 0 0 1 IP0 22 3 3 5 4 5 5 5 6	Update Settings and Reboot Exit
Modbus Request Command Device Options RTU Function Code FC16 Write multiple ID (dec) 1 (1~ Count (dec) 1 (1~ Start Address (dec) 2 (0~	ulti-registers (4xxxx) for AC 247) 120 words) 65535)	D C. Ta Ta Ca	Add mmand Info tal Input (T->O) 2 tal Output (O->T) 4 mmand Interval 1	Delete (bytes) (bytes) 00 (ms)	Setting Files Load File Firmware Ver 2012/5/3 v2.3	Management Save File
Device ID Fu	unction Code Start Addres	s Count Type	EIP Input . (byte)	Address EIP Out (byte)		
I RTU I 4 2 RTU 1 16 3 RTU 1 16	0 0 2	1 AI W	ords 0~1 Jords NA Jords NA	NA 0~1 2~3		

(2) Add a new routine.

New Routine		-		x
<u>N</u> ame:	GW7472_de	moj		ОК
Description:			*	Cancel
			-	
<u>Т</u> уре:	🗎 Ladder D	iagram	•	Help
In Program or Phase:	🕞 MainProg	Iram	•	
	<u>A</u> ssignment:	🚹 Main	•	
Den Rou	Itine			

(3) Add MSG element in your ladder and select "input_tags".

Message Message C	MSG Control input_tags - Show: MESSAGE	
Name	E Data Type	Descriptio 🔺
I → input_tags	MESSAGE	
¶ <u></u> .output_tags	Name: input_tags Data Type: MESSAGE Description:	
Controller Program		

Configure the Message Configuration. here we have to select the "Service Type" of "Get Attribute Single". To fill in the "Class" as 4, "Instance" as 101 and "Attribute" 3. In the "Destination" dropdown box select the "input_data".

Message Co Configuratio Message	nfiguration - inp on* Communication Type: CIP	ut_tags on Tag Generic	•	
Service Type: Ser <u>v</u> ice Code: <u>I</u> nstance:	Get Attribute Sing e (Hex) <u>C</u> 101 A	gle Class: 4 (Hex) Attribute: 3 (Hex)	<u>S</u> ource Element: Source L <u>e</u> ngth: <u>D</u> estination Element:	v (Bytes) iinput_data v New Tag
 Enable Error Co Error Path: Error Text: 	⊖ Enable Wait de: E	ting O Start Extended Error Code: OK	 Done Cancel 	Done Length: 0 Timed Out Apply Help

Next select the "Communication" tab, first click on the "Browse" button. This will bring up a new window; here select the Ethernet module in the PLC and click OK. Now the name of the Ethernet module should be filled in at the "Path", here we also have to fill in the full path to GW-7472 (in this example GW-7472 have the IPaddress of 192.168.22.72). After the name of the Ethernet module in the PLC, add a comma, a space, and a 2, this indicates that the message should be routed out on Ethernet. Following the 2 add a comma, a space, and the IP-address to GW-7472, here 192.168.22.72. This is everything that has to be done here, click on OK.

Message Configuration - input_tags	23	s Constant
Configuration* Communication* Tag		
Path: EN2TR, 2, 192.168.22.72	Browse	
EN2TR, 2, 192.168.22.72	Message Path Browser	X
Communication Method Image: CIP DH+ Channel: M Image: CIP Mith Source Link: 0 Image: Connected Image: Connected Image: Connected	Path: EN2TR, 2, 192.168.22.72 EN2TR, 2, 192.168.22.72 	
◯ Enable ◯ Enable Waiting ◯ S		
Error Code: Extended Erro Error Path: Error Text:	OK Cancel	Help

(4) Add MSG element in your ladder and select "Output_tags".

			Message Message	MSG- e Control (output_tags	ł		
	γ.	Enter Name Filter	-	Show:	MESSAGE			•
		Name		=8	Data Type		Descriptio	*
-	1	<mark>+</mark> ₋input_tags			MESSAGE			
	1	+_output_tags			MESSAGE			
								4
		<u>C</u> ontroller <u>P</u> rogram						

Configure the Message Configuration. here we have to select the "Service Type" of "Set Attribute Single". To fill in the "Class" as 4, "Instance" as 102 and "Attribute" 3. For "Source Element" select the "output_data" tag and the "Source Length" should be 4 bytes. Under "Communication" tab the "Path" should be the same as the one used to read data.

Message Configuration - output_tags	×
Configuration* Communication* Tag	
Message <u>Type:</u>	· · · · · · · · · · · · · · · · · · ·
Set Attribute Single	Source Element: ouput_data 🗸
	Source L <u>e</u> ngth: 4 🚖 (Bytes)
Code: (Hex) <u>C</u> lass: 4 (Hex)	Destination 👻
Instance: 102 Attribute: 3 (Hex)	Ne <u>w</u> Tag
○ Enable ○ Enable Waiting ○ Start	O Done Done Length: 0
O Error Code: Extended Error Code:	Timed Out 🗲
Error Text:	
ОК	Cancel Apply Help

(5) This is a simple example that only will issue one read request, in a normal program some logic have to be added to trigger the instruction again, for more information regarding this issue refer to documentation for RSLogix5000. Now download the program to the PLC and go "Online".



If you want to send Get/Set Attribute Single continuously, you can refer to the ladder below.

0	input_tags.EN	MSG Message Message Control input_tags () (EN) (ER)
1	input_tags.EN	input_tags.EN
2	output_tags.EN	MSG
3	output_tags.EN	output_tags.EN
(End)		

Q10: What is the difference between Utility V2.2.0 and the older version ?

A10: The user interface of GW-7472 Utility V2.2.0 is changed. It is getting easier and friendly. (1) To configure network settings and Modbus command on different label.

Network Setting	s N	lodbus	Comman	đ			
			Command 3 Command 1	Format Interval 100	(ms)	Byte Order Setting High I Low	S 🔾 Low High
			MBTCP Ser Server No Server IP	ver Setting Server 0 192 168	Confirm	No. IP3 IP 0 192 169	2 IP1 IP0 ^
Module Informatio	n					2 192 168 3 192 168	255 4
MAC Address		00-01	-E0-80-0	D-F7		4 192 169	255 6
Total Input (T-	>0)	2					
Total Output (O	>T)	0				insut white of the	ar) for it
Ethernet Settings				25		47) 20 words)	Add
Address Type	Stati	c IP		~		5535)	Delate
Static IP Address	192	16	8 22	72		oction Code Start /	Address Count
Subnet Mesk	255	25	5 0	0		0	1
Default Gateway	192	16	8 0	1			2
Serial Port Settings							*.
Baud Rate (bps):	115	200		~			
Data Bits (bit): 8				~			
Parity:	Nor	ie .		~			
Stee Dis Acity	2			~			

(2) To reduce the parameters on Class 1 connections. Just click "Class 1" button to make EtherNet/IP connection with GW-7472.

s 1 Co	onnec	tion	Clas	s 3 C	Conne	ection					R	esponse l	vlessage	
naven	d One	n Cle		Baha	vior		After	r i				ommon I	ndustris	d Protocol
	u opt		Class1	Denta	v101				DisConnec	:t				
Outp	ut Co	unt		0)	RPI(lec) 300	ms	U	pdata Output				
	0	1	2	3	4	5	Eonward (Dnen Cl	ass 1 Beha	vior				Refore
0	00	00					TOIWala	open en		-				Delore
1	_	1					Class Co	de(hex)	4	Instance I	D(hex)	64		Class1
2	-											2.00	10	
3	_				1		U->T Pos	int(hex)	66	T->O Pon	nt(hex)	65		THOMAS
			100				0	0.5	[-	T 00'		-		Disconnect

(3) Do not fill out the IP and MAC address on Firmware Download window.

ÿ	Firmware Download		×
	File	Select File	
	Download		