## MCU005 Update Procedure

- 1. Make sure that the MCU-005 power is OFF.
- 2. Connect a PC to the MCU-005 using the proper POE injector through a switching HUB. Leave cable removed from the MCU005 until later step.



- 3. Turn on the PC, and make sure that all firewall and anti-virus software are shut off.
- 4. Open Network and Internet setting.



5. Go under Ethernet tab and change adapter setup.

Settings			- ø ×
வ் Home	Ethernet		
Find a setting	Ethernet	-	Related settings Change adapter options
Network & Internet	furuno.com Connected		Change advanced sharing options
🔁 Status	Etharnat		Network and Sharing Center
<i>i</i> it Wi-Fi	Not connected		Windows Firewall
😰 Ethernet			100 B146 B178 B1200
			Have a question?
Cial-up			Get help
w VPN			
			Make Windows better
💤 Airplane mode			Give us feedback
0j0 Mobile hotspot			
(9) Data usage			
Proxy			

6. Click the connection for the Ethernet port connected to MCU005, then open "Properties"

Vetwork Connections			
$\leftarrow \rightarrow \checkmark \uparrow$	👰 > Control Panel > All C	ontrol Panel	Items > Network Connections
Organize 🔻			
×**	Bluetooth Network Connection Not connected		Ethernet Unidentified network Intel(R) Ethernet Connectio
×	Wi-Fi Not connected Intel(R) Dual Band Wireless		
Ethernet Status		×	
General			
IPv4 Connectivity	No network access		
IPv6 Connectivity	No network access		
Media State:	Enabled		
Duration:	00:00:42		
Speed: Details	100.0 Mbps		
Activity ———	Sent — 💐 — Received		
Packets:	80   0		
Properties	Signose Diagnose		
	Close		

7. Select "Internet Protocol Version4 (TCP/IPv4)", and open "Properties"

Ethernet Properties	×	
Networking Sharing		
Connect using:		
Intel(R) Ethemet Connection (4) I219-LM		
Configure		
This connection uses the following items:		
Image: Client for Microsoft Networks   Image: Client for Microsoft Network   Image: Clien		
Description		
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.		
OK Cancel		

8. Change IP address of PC to [172.31.xxx.xxx]. (If recommend, [172.31.200.100])

Internet Protocol Version 4 (TCP/IPv4) Properties			
General			
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.			
Obtain an IP address automatically			
Use the following IP address:			
IP address:	172 . 31 . 200 . 100		
Subnet mask:	255.255.0.0		
Default gateway:			
Obtain DNS server address automatically			
• Use the following DNS server addresses:			
Preferred DNS server:			
Alternate DNS server:			
Validate settings upon exit	Advanced		
	OK Cancel		

## 9. Copy all files to the PC and unzip it.

Name	Date modified	Туре	Size
IDCODE.SYS	07/30/2019 4:01 PM	System file	1 KB
MCU005.BIN	07/30/2019 4:01 PM	BIN File	748 KB
NWLOADER.BIN	07/30/2019 4:01 PM	BIN File	109 KB
📧 nwuppg.exe	07/30/2019 4:01 PM	Application	52 KB
💿 setup.bat	08/02/2019 10:30	Windows Batch File	1 KB

## 10. Execute [setup.bat], and the following window shows up.

C:\WINDOWS\system32\cmd.exe	_	$\times$
Network program loading(NWUPPG) version 4.01 Copyright(c) FURUNO ELECTRIC CO.,LTD. 2002-2005 (T.K & T.Y)		-
>>my IPaddress=172.31.200.100		

- 11. Turn on the MCU-005 by connecting the LAN cable to a PoE hub or injector.
- 12. The update process will automatically start. Tap any key to close the window after the process finishes.

Note: If an ERROR appears on the window, the update has failed and MCU005 is no longer usable with system until you it has been successfully updated. Please try a different PC and re-update.

C:\WINDOWS\system32\cmd.exe

Network program loading(NWUPPG) version 4.01	
Copyright(c) FURUNO ELECTRIC CO.,LTD. 2002-2005	(T.K & T.Y)
>>my IPaddress=172.31.19.100	
P0>connection IPaddrss=172.31.19.236	100 %
·: *****ERFOR****	