## ANC-100e & ANC-120e Ethernet/IP and USB to DH+ Converter



## SLC5/05 Messaging from Ethernet/IP to SLC5/04 on AB Data Highway Plus (DH+)

This document provides information to configure a SLC5/05 on Ethernet to send a MSG instruction to a SLC5/04 on Data Highway Plus using an ANC-100e or ANC-120e.

Note: Before proceeding, make sure

- ✓ ANC-120e Driver is installed (Only if using ANC-120e)
- ✓ Network Adapter is correctly configured to access ANC-120e or ANC-100e
- ANC-120e is connected to the computer and DH+ network or ANC-100e is connected to the same Ethernet network or directly to your computer, and to the DH+ network.

For our example:

ANC-100e or ANC-120e IP address = 192.168.0.230 SLC5/05 IP address = 192.168.0.231 SLC5/04 DH+ node = 03

- 1. Go to "Comms" Menu and select "Who Active Go Online" Option
- 2. Select the SLC5/05 that you want to program and click the OK Button

Communications		
Autobrowse Refresh Pa III Browsing - node 192.168	3.0.231 found	ОК
E- 🗐 Workstation, AUTOMATIONNET1		Cancel
白…器 Linx Gateways, Ethernet	192 168 0 230 192 168 0 231	Help
由 ┃ 192.168.0.230, 1756-ENET/A, ANC-100e □ 192.168.0.231, SLC-5/05, 1747-L551/C C/10 - DC 3.46 ⊡ 器 TCP-1, Ethernet	ANC-100e 1747-L551/	
Current Selection Server: RSLinx API Driver: AB_ETHIP-1 Node: 0 Decimal (=0 Octal) Type: SLC500		Reply Timeout: 10 (Sec.) Apply to Project

3. Insert a MSG instruction and configure it as required. For our example, we will use a MSG instruction with the following options:

Read/Write: Read Target Device: 500CPU Local/Remote: Remote Control Block: N7:10

4. Once done with the above, click on "Setup Screen" to continue the MSG instruction configuration.



- 5. We want to read F8:0 address from the SLC5/04 on DH+ into F8:0 address of our SLC5/05.
- 6. Select Channel 1 for Ethernet Communication
- 7. Select "MultiHop" Yes to enable the MultiHop Tab

neral    MultiHop	
	Control Bits
Lommunication Lommand: [500CPU Read	Ignore if timed out (TO): 0
	To be retried (NR): 0
Size in Elements: 1	Awaiting Execution (EW): [0
	Continuous Run (CO): [0
Target Device	Error (ER): [U]
Message Timeout: 23	Massage durie (DN). []
Data Table Address: F8:0	Message Transmitting (ST).
	Waiting for Queue Space : 0
Local / Remote: Remote MultiHop: Yes	
	Error
	Error Code(Hex): 0
Error Description	
No errors	

 On the MultiHop tab enter the following, using the "insert key" on your keyboard to add each "Hop": This SLC5/05: Channel 1 to EtherNet/IP 192.168.0.230 Logix Backplane to Backplane Slot 1 1756-DHRIO Channel A to Remote Link ID 0 Remote DH+ to Remote Station 3

**Note:** Depending on your settings, the IP address of your ANC-100e or ANC-120e, and the remote station on DH+ may change. The backplane slot, the remote link ID and 1756-DHRIO Channel will always be the same.

Ins = Add Hop		Del = Remove Ho	Ρ
From Device	From Port	To Address Type	To Address
This SLC 5/05	Channel 1	EtherNet/IP Device (str):	192.168.0.230
Logix Backplane	N/A	Backplane Slot (dec):	1
1756-DHRIO or 1756-DH485	Channel A	Remote Link ID (dec):	0
Remote (DH/DH+/DH-485)	N/A	Remote Station (oct)   (dec):	3o   3d

Once information has been entered just close the window.

9. Save and download the program to your SLC5/05, and now it should read/write successfully to your SLC5/04 on DH+

ts  Forces Disabled  Node : 0d  Forces Disabled  Node : 0d  C5052  Funct Func Funct Funct Funct Funct Funct Funct Funct Funct	r/Counter 🖌 Input/Output 👗 Compare	
General MultiHop  This Controller Communication Command: 500CPU Read Data Table Address: F8:0 Size in Elements: Channel: Target Device Message Timeout: 23 Data Table Address: F8:0 Local / Remote: Remote MultiHop: Yes  Error Description No errors CDM 0 - Untitled CDM 0 - Untitled	Control Bits Ignore if timed out (TO): 0 To be retried (NR): 0 Awaiting Execution (EW): 0 Continuous Run (CO): 0 Error (ER): 0 Message done (DN): 1 Message Transmitting (ST): 0 Message Enabled (EN): 1 Waiting for Queue Space : 0 Error Error Code(Hex): 0	MSG Read/Write Message Type Peer-To-Peer Read/Write Read Target Device 500CPU Local/Remote Remote Control Block N7:10 Control Block Length 51 Setup Screen (END)
III I I I I I I I I I I I I I I I I I		1
o, press F1	0:000	APP READ Disabled