Setting up Allen Bradley RSLINX DF1 driver for DLPCI-104-DH485 to go online with SLC503 & Other PLCs on DH485 network Using RSLOGIX500

After configuring the DLPCI/104-DH485, Start RSLINX & Click on Configure Drivers



In Configure Drivers window, from Available Driver Types, Select RS-232 DF1 Devices.

Available Driver Types	Add New	<u>C</u> lose Help
1761 U2DHP ter DH-devices RS-232 DF1 devices Ethemot devices EtherNet/IP Driver 1784-PCIC(S) for ControlNet devices DF1 Polling Master Driver 1784-PCIC(S) for ControlNet devices DF1 Slave Driver DH485 UIC devices Virtual Backplane (SoftLogix58xx, USB) DeviceNet Drivers SLC 500 (DH485) Emulator driver SmattGuard USB Driver Remote Devices via Linx Gateway	Status Running Running	Configure. Startup Start Stop Delete

Click on Add New

Configure Drivers		? X
Available Driver Types: RS-232 DF1 devices	Add New	<u>C</u> lose <u>H</u> elp
Name and Description AB_ETH-1 A-B Ethernet RUNNING AB_ETHIP-1 A-B Ethernet RUNNING	Status Running Running	Configure Startup Start Stop Delete

Type any name for the Driver then click on Ok.

Add New RSLinx Classic Driver		:	×
Choose a name (15 characters r	for the new driver. naximum)	OK	
DLPCI-104		 Cancel	

Select the port that is occupied by the DLPCI/104 and Click on Auto-Configure. (That Port can be found under Device Manager).

Configure RS-232 DF1 Devices	
Device Name: DLPCI-104	
Comm Port: COM1 Device: PLC-CH0]
Baud Rate: 19200 V (Octal)	
Parity: None	
Stop Bits: 1 Protocol: Full Duplex	
Use Modern Dialer Configure Dialer	
OK Cancel <u>D</u> elete <u>H</u> elp	

Once you get Auto Configuration Successful, Click on Ok

Configure RS-232 DF1 Devices

Device Name: [DLPCI-104
Comm Port: COM3 Device	e: 1770-KF3/1747-KE
Baud Rate: 19200 ▼ S	tation Number: 01 Decimal)
Parity: None 💌	Error Checking: BCC 🗨
Stop Bits: 1	Protocol: Full Duplex 💌
Auto-Configure Auto Configuration S	uccessful!
🗖 Use Modem Dialer	Configure Dialer
OK Cancel	<u>D</u> elete <u>H</u> elp

Close Configure Drivers Window when you see your DLPCI/104 RS232 DF1 Driver running

Configure Drivers	? ×
Available Driver Types: RS-232 DF1 devices	<u>C</u> lose <u>H</u> elp
Configured Drivers:	
Name and Description Status	í I
AB_ETH-1 A-B Ethernet RUNNING Running	Configure
AB_ETHIP-1_A-B_Ethernet_BUNNINGBunning	
	Startup
	<u>S</u> tart
	Stop
	<u>D</u> elete

Now if you click on the DLPCI/104 driver, you should see all the DH485 PLCs on your DH485 Network but (Make sure you have the Auto Browse Checked), in our setup here we have the DLPCI/104 as workstation, with the other PLCs SLC505, SLC504, SLC503 & Micrologix 1000.

% RSLinx Class	ic Lite - [RSWho - 1]							
🚠 <u>F</u> ile <u>V</u> iew	<u>Communications</u>	<u>S</u> tation	<u>D</u> D	E/OPC Sec <u>u</u> rit	y <u>W</u> indov	w <u>H</u> elp		
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Autobrowse	Refresh 🗋		Brow	vsing - node 1 fou	nd			
🖃 🗐 🖳 Workstat	ion, LAB-D-PC							
tinx ∄	Gateways, Ethernet				•	•	<u>1110</u>	•
Ē器 AB_E	TH-1, Ethernet			01	02	03	04	05
<mark>⊨</mark>	THIP-1. Ethernet			DLPCI104-DF	SLC505	SLC504	MICROT	SLC503
□ 🖧 DLPC	I-104, DH-485		۱ (
	1, Workstation, DLPC	1104-DF						
🕂 🛱 🕀	2, SLC-5/05, SLC505							
🛓 👘 03	3, SLC-5/04, SLC504							
	4, MicroLogix 1000, N	/ICROT						
	5, SLC-5/03, SLC503							
			/					
				1				

To go Online with SLC5/03 Start RSLOGIX500 and click on System Comms..

# RSLogix 500	
File View Comms Tools Window Help	
🗋 🖻 🚅 📕 🚺 System Comms	- % & % ♥ ♥ ♥ ● - + + -
OFFLINE Who Active Go Online	
Go Online	
Driver: EQ7k. Upload	User & Bit & Timer/Counter & Input/Output & Compare
Select Driver, processor address, etc.	0:0000 APP READ //

III Comm	lumeation	s winuc	Jw Seit	Ct Noue 5	SLC-3/0		Onnic	•
Communicatio	ns							
Autobrowse	Refresh	13 °n 🎹	Browsing - r	ode 8 not found			OK	
U Worksta	tion, LAB-D-PC		Address	Device Type	Online Name	Status	Cance	el
i in the second	Gateways, Ether	net	₽ 01	Workstation	DLPCI104-DF	Program	Help	
E ⊡	EIH-1, Ethernet		02	SLC-5/05	SLC505	Program		_
🗄 ↔ 🚠 AB_I	ETHIP-1, Ethernet		m 03	SLC-5/04	SLC504	Program	Online	
📋 🗄 🖧 DLP	CI-104, DH-485		04	Microl ogix 1000	MICROT	Remote Program		-
)1, Workstation, D	LPCI104-DF	05	SLC-5/03	SLC503	Program	<u>U</u> pload	d
📃 👘 🗐 (2, SLC-5/05, SLC	505					Downlo	ad
i 🗄 📾 🤇	3, SLC-5/04, SLC	504						_
	4 MicroLogix 10	00 MICROT						
		502						
	15, SEC-5/05, SEC	505						
- Current Selectio	n		·		_			
Server: RSLir	nx API		Driver: D	LPCI-104			Reply Timeo	but:
Node: 5	Decimal (=5 Octal	1	Type: S	LC500			10 (S	ec.)
		,					annly to Project	

In Communications Window Select Node 5 SLC-5/03 & click on Online.

Click on Create a new file or click on Browse if you have an other file.

Searching for Utfline Image Filename : No Matching File Found	
SELECT FILE to merge for documentation (names, symbols, descriptions, etc) - Online Processor Information Processor Name : SLC503 Processor Type : 1747-L532C/D 5/03 CPU - 16K Mem. 0S302 Station # : (5 Dec) Program Checksum : a4a6	Cancel
Files Found With Matching Online Processor Name / Password	Browse

Wait until the processor image is uploaded.

	<u> </u>
Uploading Processor Image	×
Cancel]
Reading in Data Tables	

Similarly you can go online with any other PLC on the same DH485 network.

RSLogix 500 - SLC503	
File Edit View Search Comms Too	ols Window Help
D 🗳 🖬 🍓 👗 🖻 💼 🗠 🗠	I % % % 2 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PROGRAM ± No Forces ± No Edits ± Forces Disabled ± Driver: DLPCI-104 No	de: 5d User (Bit (Timer/Counter (Input/Output (Compare
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Project ^	⊑ K K ⊗ X S S
i Help	
Controller	
Controller Properties	DN Timer T4-0
Processor Status	Time Base 1.0 (DN)-
IO Configuration	Preset 1<
🛄 🕂 Channel Configuration	Accum 0<
< >	File 2
For Help, press F1	2:0000 APP READ