DLPCI Configuration:

To configure the DLPCI you need the DL32 configuration software installed. Insert the Equustek CD. The selection screen should start up automatically. If it does not start automatically, select *Run* from the Start Menu and enter "D:\Autorun.exe" where "D" is the drive letter of your CD drive.



From the selection screen, choose *Install Software* \rightarrow *Install DL32 Configuration Software* \rightarrow *Install Latest DL32 Software* to install the latest version of DL32.

To run the DL32 software, Press the *Start Button* (bottom left of screen) then select *Programs* \rightarrow *Equustek Solutions Inc.* \rightarrow *DL32*.

Before Starting the DL32 Configuration Software, find out what COM port has been assigned to the DLPCI. To do this, open the Device Manager (from the Control Panel, select System, then on the Hardware tab in the System Properties window, select Device Manager). Under *Ports* (*COM & LPT*) you will see the COM port assigned to the DLPCI.



Start the DL32



From the DL32 Welcome Screen, click on the DL-PCI button.



Ensure the SERIAL NUMBER of your DLPCI is greater than 20107, if not then you need to use the older DL32 Version 2.03 (can be downloaded from our Equustek website under download).



💂 DL32 - Windows 32-bit Parameter Configuration Program			_	
DL32 Configuration Program Main Menu				
Select the COM PORT the P	°C is using to communicate wit	h the DL-PCI	NONE	•
Online Operating Paramet <u>C</u> onfigure/Open File	Download FROM File	<u>U</u> pload '	NONE COM1 COM2 COM3 COM4	
DataLink Testing Tools—	DL Off-line Manager		COM5 COM6 COM7	
Exit DL32		<u>R</u> eturn to Prod	uct Selec	tion

From the DL32 Main Menu, select the COM Port that has been assigned to the DLPCI.

Click on DL Offline manager

💂 DL32 - Windows 32-bit Parameter Configuration Program 📃 🗖 🔀				
DL32 Confi	DL32 Configuration Program Main Menu			
Select the COM PORT the PC is using to communicate with the DL-PCI				
Online Operating Parameters <u>C</u> onfigure/Open File Download FROM File <u>U</u> pload TO File				
DataLink Testing Tools DL Off-line Manager				
Exit DL32		Return to Product Selection		

Click on ok after you press the configure pushbutton on the DLPCI card.



Here just hit the enter key to make sure you have are communicating with the card and you can see the menu as shown below.

💂 DL Monitor / Terminal Emulator		
<u>S</u> elect Flash System File	Debug Mode on Non-Flash Units	Time Connected: 00:00:03
М		<u>^</u>
DLPCI BIOS MANAGER 5.01 - Oct.8,2003		
MAIN MENU		
1 - Restore EEPROM 2 - WRITE new Firmware Text file		
3 - Unused 4 - OFF-LINE Diagnostic Tests 5 - DEBUG Mode		
6 - Display FIRMWARE Version 7 - Go ONLINE		
MAKE SELECTION (1-7) -		
2		~
<u></u>		<u></u>
-Status Leds		
inger inger king bing taget		<u>R</u> eturn To Main Menu

Click on return to main menu, and then click the Configure/Open File button.

💂 DL32 - Windows 32-bit Parameter Configuration Program 📃 🗖 🔀			
DL32 Configuration Program Main Menu			
Select the COM PORT the PC is using to communicate with the DL-PCI			
Online Operating Paramet	ers		
<u>C</u> onfigure/Open File	Download FROM File	Upload TO File	
DataLink Testing Tools			
<u>D</u> L Off-line Manager			
Exit DL32		Return to Product Selection	

Select the Network Protocol (based on the model of DLPCI you have ordered). DH+ or DH485.

In AB network parameters select the card Data highway node address number, and your Data Highway network baud rate.

As for DF1 set the emulated serial bus speed	and click on Set DF1 Advanced Parameters.
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💖 Online Operating Param	eters for the DLPCI		
SELECT NETWORK PROTO	OCOL O A-B - DH-485	© A-B RIO ADAPTER	
AB DH+ NETWORK PARAM STATION NUMBER DH+ NETWORK SPEED	IETERS 1 V Octal 57.6 V Kbaud		
DF1 BUS PROTOCOL PROTOCOL BUS SPEED EMULATION	AB-DF1 38.4 V Kbaud	ET DF1 ADVANCED PARAMETERS	
STATUS Click on "DOWNLOAD to DL" to download these parameters.			
<u>C</u> ONFIGURATION Setting	s <u>D</u> OWNLOAD to DL	<u>R</u> ETURN to Main Menu	

Here select parameters shown below for DF1 protocol settings. Typical users will want to leave the settings at their default values.

DF1 ADVANCED PARAMETERS				
PRESS BUTTONS TO TOGGLE THE FOLLOWING OPTIONS:				
MESSAGE CHECK				
• BCC CRC				
DUPLICATE MESSAGE				
• IGNORE O ACCEPT				
EMBEDDED RESPONSES				
NONE EXECUTE				
DIAGNOSTICS				
• EXECUTE • PASS				
CONFIGURATION				
• POINT-POINT / FULL DUPLEX				
C MULTI-DROP / HALF DUPLEX				
HANDSHAKING LOOPBACK				
NONE RTS TO CTS				
ACCEPT				

In an example here we set the node address to 40 octal and DH+ 57.6KBuad and 115.2K baud serial DF1 speed, after setting all the parameters click on download to DL

🏟 Online Operating Parameters	for the DLPCI		
SELECT NETWORK PROTOCOL			
• A-B DH+	O A-B - DH-485	O A-B RIO ADAPTER	
AB DH+ NETWORK PARAMETER	RS		
STATION NUMBER 40	Octal		
DH+ NETWORK SPEED 57.	5 K baud		
DFI BUS PROTOCOL PROTOCOL A	B-DF1		
BUS SPEED EMULATION 11	5.2 - Kbaud SET DF1	ADVANCED PARAMETERS	
SIAIUS	ICK OR "DOWINEOAD to DL" to do	vilload these parameters.	
CONFIGURATION Settings	DOWNLOAD to DL	<u>R</u> ETURN to Main Menu	

Press the pushbutton switch on the card if you have not done that yet and click on ok.

PRESS	THE CONFIGURE PUSHBUTTON NOW !!!	×
8	Press the Configure pushbutton on the DL-PCI N ONLY the 'BUS' AND 'STATUS' LEDS SHOULD BE C	IOW!
	Cancel	

Wait until you see A OK transmission received by DataLink as shown below.

🏟 Online Operating Parameters	for the DLPCI		
SELECT NETWORK PROTOCOL	0		
• A-B DH+	O A-B - DH-485	• A-B RIO ADAPTER	
AB DH+ NETWORK PARAMETER	S Octal		
DH+ NETWORK SPEED 57.6	▼ Kbaud		
DF1 BUS PROTOCOL	B.DFI		
BUS SPEED EMULATION 115.2 Kbaud			
STATUS	A-OK! Transmission receiv	ed by DataLink	
<u>CONFIGURATION Settings</u>	Downloading Parameters	<u>R</u> ETURN to Main Menu	

Close the program and restart the PC to set your DF1 driver.