DSX-LAN-D Comm Module

Programming and Commissioning the DSX-LAN-D

The **DSX-LAN-D** is the latest in DSX IP Communications module that supports UDP Controller communication and VLAN configurations. This Module supports RS-232/RS-485 and can be used at Master or Sub Controllers.

1. The DSX-LAN-D Module comes with a preset IP Address of 192.168.1.25 and can be programmed with a Web browser. Connect the module to your laptop or switch and connect using a browser. The Module requires **5**VDC @ 300ma. Power the Module from the **5**VDC output of the 1040-CDM or 1022 Controller. **Do Not Power from 12V Output of 1040-CDM.**

2. The Module has a default IP Address of 192.168.1.25. Connect with a Laptop or PC that has the same IP schema and subnet (255.255.255.0). Using a Web browser such as "Chrome", enter the IP address and press enter. The LAN Module will respond with a Login page where you will enter:
User - master, Password - master. The screen shots below show the default Settings for the Module.

3. Once you have logged in with *User* - master and *Password* - master, you will be able to program the Module. On the Communications Settings Tab - Do Not change the top 5 items unless instructed to do so. The Serial Port Speed should be 9600, the Internet Protocol should be **IPv4**, and the Addressing Mode should be **Static(v4 or v6)**.

4. Under Device IP Address enter the **Static IP Address**, **Subnet mask**, **Gateway**, and **DNS**. Perform "IPConfig" from a command prompt to find the data. Leave **VLAN** at **0** unless it is installed on a VLAN.

5. Under the UDP Settings enter the **Receive Port** which should be the same as the TX IP Port from the Comm Port settings at the Comm Server. Set the **Transmit Port** to the same. Uncheck Dynamic Send and enter the IP Address of the Comm Server. **Hot Swap Comm Servers require this Checked.**

Mac: 00-08-66-10-00-25
Version: DSX-LAN-D v7.6

DSX LAN-D

Logout

| Communication Settings | Security Settings |

Device name for DHCP:	DSX_00-08-66-10-00-25
Serial Port Speed:	9600
Internet Protocol:	IPv4
Addressing Mode:	static(v4 or v6)
Device IP Address:	192.168.1.25
Device Subnet Mask:	255.255.255.0
Device gateway:	255.255.255.255
Device DNS:	255.255.255.255
VLAN ID:	0
Receive Port:	4001
Transmit Port:	4001
Dynamic Send:	☑

Print   Save

6. Click Save to keep settings.

Passwords:
7. Under Security Settings - set the **User** Name and Password and the **Admin** User Name and Password. The User can change Communication Settings and the Admin can change Security and Communications Settings. *Use the __Password Format__ section at the bottom to set the complexity and length of both passwords. 6 to 19 keyboard characters. Select the attributes that must be part of the password.* Be careful not to lock yourself out as the Module will have to ship to DSX to be reset.

7a. The User Password allows the changing of the Network Settings only.
Default is > User - 123456   Default Password - 123456
7b. The Admin Password allows the changing of the Security Settings and the Network Settings.
Default is > Admin User - master   Default Password - master

Security Log Settings:
8. The Security Log Settings allow for an optional IP Address and Port to be defined. Once defined The Module will send all Login attempts and notification of changes made to that Log address.
8a. Enter the IP Address and IP Port number to send the information. This is not the Comm Server Address.
8b. Enter the number of seconds that the Module will send a supervisory message to the Security Log IP Address. This continual heartbeat supervises the communication and notification path.

Example: Sample of the Security Log Supervision Message.
2023-05-12 20:00:00 ; DEVICE:DSX_00-08-66-11-00-0A Heartbeat Frequency changed
2023-05-12 19:00:30 : DEVICE:DSX_00-08-66-11-00-0A NTP IPAddress changed
2023-05-12 08:32:38 : DEVICE:DSX_00-08-66-11-00-0A Admin logged in.
2023-05-12 08:32:41 : DEVICE:DSX_00-08-66-11-00-0A HB

Time and Date:

9a. Enter the Time and Date if a Time Server is not available. Once you have entered the date and time click on **Set System Time** at the bottom. Once the time has been set manually do not power the Module down and up.

9b. To use a Time Service Select Enable NTP and Set the UTC Time Zone.
-6 for Central Time, -5 for Eastern Time, -7 for Mountain Time, and -8 for Pacific Time
Enter the NTP Server IP Address.

Select – Set System Time

Advanced Settings <Packet Mode>

10a. Select **DSX Packet Mode:** Enable for DSX controller communication that is using the Internet or busy WAN or Cellular communications.
10b. Select **Compatibility Mode:** Enable for Communications to Schlage Integrated Locksets and PIMs using DSX-L85 software.
10c. Encryption Enable - <u>Do Not Select</u> Do Not Use.

11. Once the Passwords and Log Settings have been entered click on **Submit New Settings** at the bottom. When finished, close the browser completely.

DSX-LAN-D Wiring Information

RS-232 Master Comm

DSX-1040 Master Controllers

DSX-LAN	1042	1043	1044
Tx	4	16	4
Rx	3	15	3
Gnd	5	17	5

DSX-1020 / 1032 Master Controllers

DSX-LAN	1022	1021	1032
Tx +	49	51	55
Tx -	48	52	56
Rx +	51	49	53
Rx -	50	50	54

RS-485 Sub Comm for PC Master and IP Hub

DSX-1040 Sub Controllers via CDM

DSX-LAN	CDM 485 In
Tx+	Rx+
TX-	RX-
Rx+	Tx+
RX-	Tx-

DSX-1020 and 1032 Sub Controllers

DSX-LAN	1022	1021	1032
Tx +	57	43	43
Tx -	56	44	44
Rx +	59	41	41
Rx -	58	42	42