



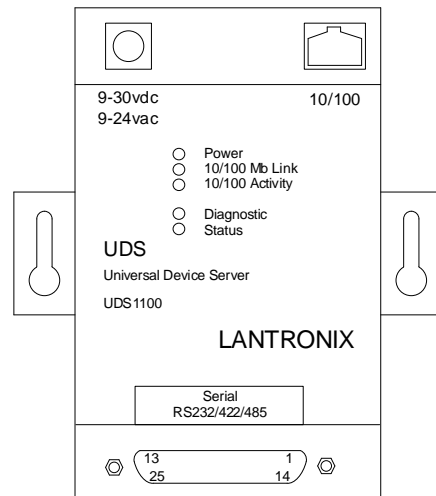
DSX Access Systems, Inc.

UDS-1100 Configuration

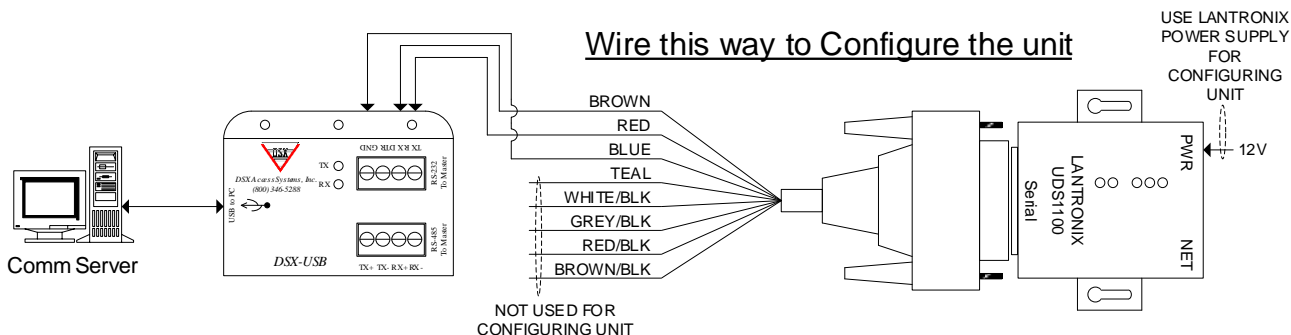
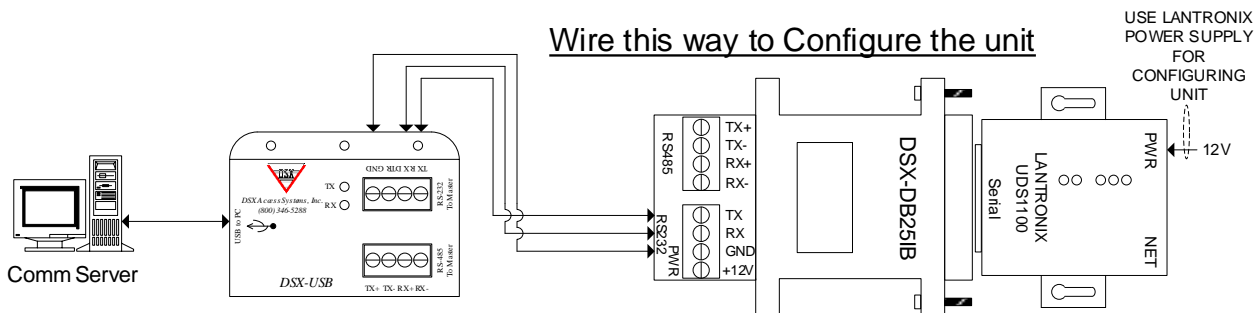
DSX Installation Guide for UDS-1100

The Lantronix UDS-1100 is an ethernet to serial adapter that works with all DSX Controllers. These instructions use Kb2cW.exe to program and configure the unit. The UDS-1100 communicates RS-232 or RS-485 to the controller based on configuration and wiring.

Connect the Unit to a Desktop PC or Laptop for configuration by using the DSX-DB25IB connector or supplied cable, connecting as shown to a DSX-USB. Use the supplied power supply to power the unit while programming. After configuration, it is powered from the DSX Controller or CDM through the same DB-25 connector.



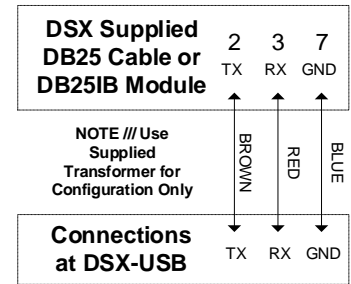
Programming Connections:



Programming Instructions:

1. Disconnect power to the UDS1100.
2. Make the connections to the DSX-USB module.
3. Start KB2CW and select Comm Port / Define Port and enter the port number the DSX-USB is connected to.
4. Caps Lock is OFF, Hold x on the keyboard, power up the unit.
5. After prompt, quickly press Enter for Setup Mode.
6. Type 0 to choose the '0 Server' option.
7. Enter IP Address, pressing Enter after each octet.
8. Type Y to set Gateway IP Address.
9. Enter Gateway IP Address, pressing Enter after each octet.
10. Use Chart to the right to determine Netmask. Enter 8, 16 or 24.
11. Press Enter twice to accept the default <N> for the next two options.
12. Type 1 to choose 'Channel 1' options.
13. Press Enter to choose Baud 9600.
14. Set I/F Mode. RS-232 = 4C. RS-485 = 4D
15. Press Enter to accept Flow Control '00'
16. Enter TX port number from the Comm Port in Database.
17. Connect Mode = CC
18. Datagram Type = 01
19. Send Broadcast = N
20. Remote IP Address = Comm Server Ip Address.
21. Typically, you press Enter to accept Remote Port <0>. If both ports are defined in the software, they must both be defined here. Mux requires both ports to be used and possibly different.
22. Press Enter to accept the remaining defaults.
23. Press 9 to Save and Exit. Connect the unit to the controller.

For Programming



Netmask Chart

Class A = 24 (255.0.0.0)
 Class B = 16 (255.255.0.0)
 Class C = 8 (255.255.255.0)

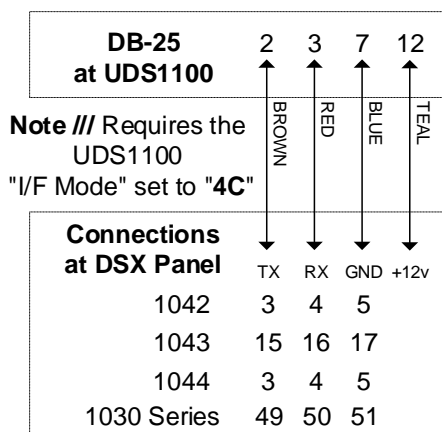
UDS-1100 Connections For Programming

Db25	Color/Stripe	To
2	Brown	Tx
3	Red	Rx
7	Blue	Gnd
12	Teal	+12V
14	Brown/Black	Rx+
15	Red/Black	Rx-
21	Grey/Black	Tx+
22	White/Black	Tx-

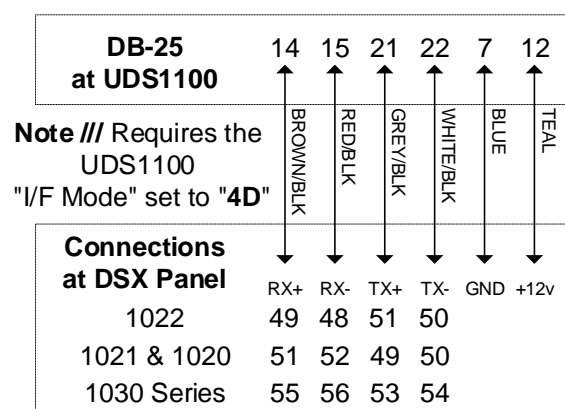
All connections are made through the DB-25 connector to the controller. See wiring info below:

Master Controller Communications

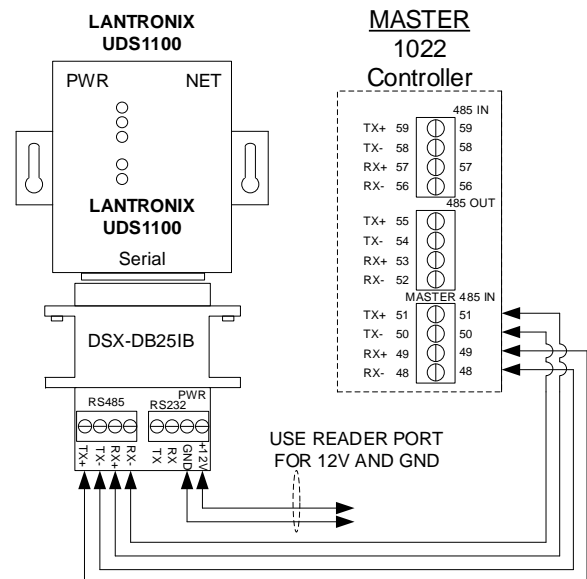
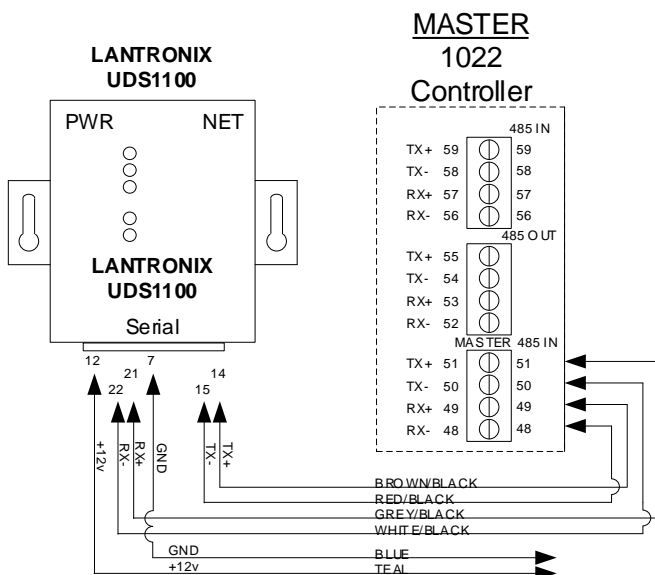
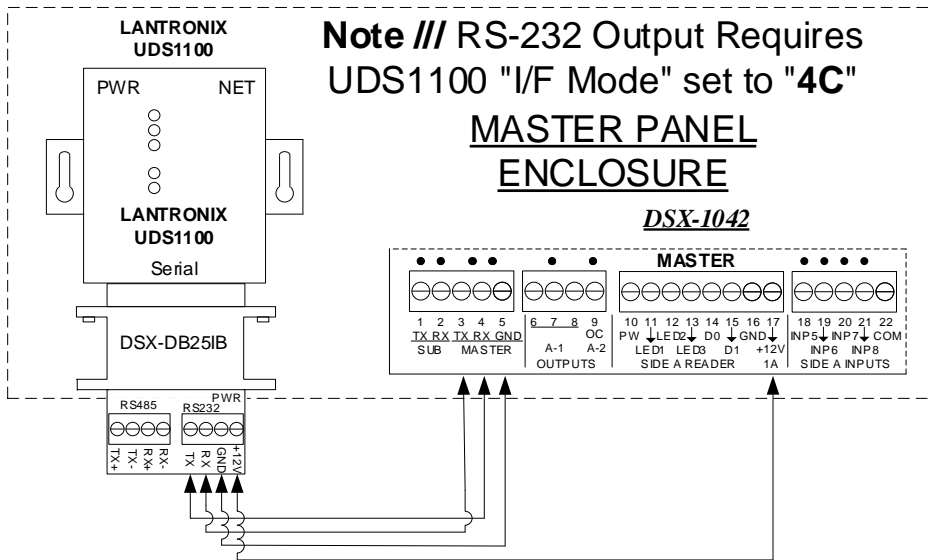
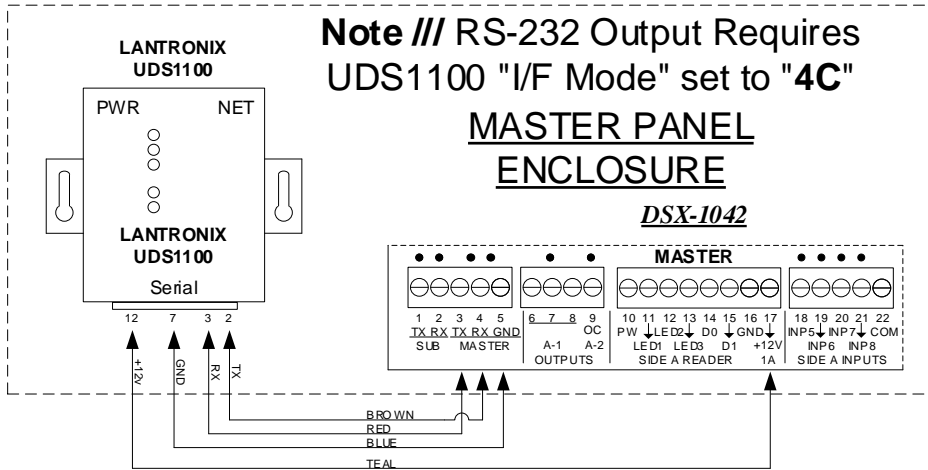
RS-232 Terminations



RS-485 Terminations

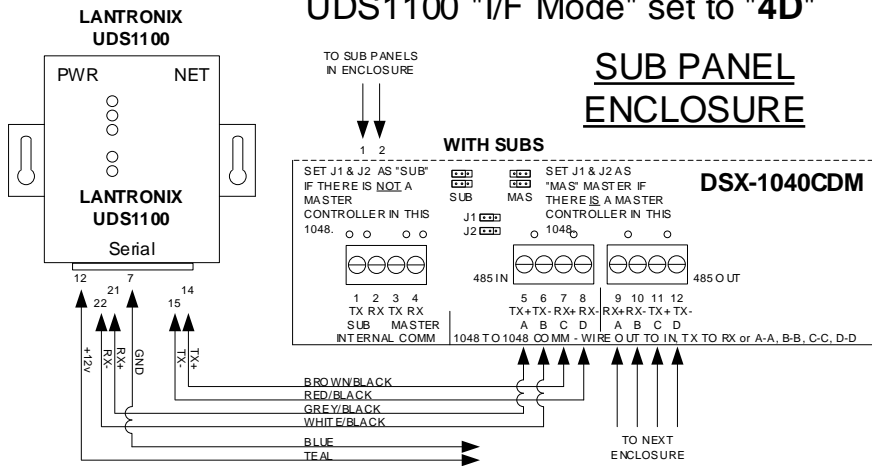


Master Controller Communications continued.....



Sub Controller Communications

Note /// RS-485 Output Requires UDS1100 "I/F Mode" set to "4D"



Note /// RS-485 Output Requires UDS1100 "I/F Mode" set to "4D"

