DSX-USB Comm Interface

Single Channel USB to RS-232 or RS-485 Converter for Master or Slave communications. This new module can provide the RS-232 required for a 1040 Series Master Controller or Dial-up Modem at the Comm Server. The RS-232 has optional DTR for modem use. The RS-485 output can be used for a 1020 Series Master Controller and all DSX Slave Communications used with PC Master.

The module comes complete with a 3’ USB Cable so that it can be mounted away from the port it is attached to. It has a mounting flange with three holes so that it can be screwed or wire tied, securing its installation. The field wiring side is connected via a standard DSX removable terminal block.

The DSX-USB can be used in conjunction with a DSX-MCI to perform a short haul providing a 4 wire RS-485 connection that can be used with 2 twisted pair cable up to 4000’.

Loading the Driver

The driver needed for this module can be obtained from the internet, from the WinDSX software media 3.7.132 and higher and from the DSX FTP site – ftp://ftp.dsxinc.com/new/USB%20Drivers/

In Windows go to the Device Manager. Plug the unit in. Locate the device that shows up and update the driver from the USB Drivers folder on the DSX Media. Browse to the Software Media and locate the USB Drivers \WinDSX\USB Drivers\00_DSX USBa and once in that folder it should be able to update the driver and then show you a Comm Port number under Ports / Comm and LPT. Use that number in the DSX Software.
DSX-USB to DSX-1040 Slave Controllers used with PC Master
When PC Master is deployed, the DSX-USB can be used to communicate with 1040 Series Slave Controllers via a USB Port on the PC Master computer.

DSX-USB to DSX-LAN for setup
Serial Port of Comm Server PC
To Configure DSX-LAN
DSX-LAN
12VDC Source

Or
USB Port of Comm Server PC

DSX-USB to DSX-1022 Slave Controller used with PC Master
When PC Master is deployed, the DSX-USB can be used to communicate with 1022 Slave Controllers via a USB Port on the PC Master computer.

DSX-USB to MCI to DSX-1040 Series
When a DSX-1040 Series Master is more than 100' from the Comm Server a DSX-USB can provide an RS-485 4 wire output that can communicate up to 4000 feet. At the controller end there would be an MCI module which would then convert the RS-485 to RS-232 so it can be connected to a 1040 Series Master Controller.

DSX-DialUp Modem via USB Port
When a DSX Dial-up Modem is required for communications at the Comm Server, the DSX-USB can provide a serial connection where only a USB Port is present.

DSX-Modem at PC
12VDC Source
Up to 50 feet max.