

Congratulations on your purchase of the Connective Peripherals USB2-H-5004 High Speed USB to quad port RS485 adapter. Getting started is quick and easy:

- Detailed device driver installation instructions, port information and mechanical details are available in the USB2-H-5004 datasheet. This can be downloaded from: <http://www.connectiveperipherals.com>.
- To begin, connect the USB cable to your PC USB Host or a USB Hub connector and the USB2-H-5004. Power is supplied by the USB interface, so no external power supply is required.
- Device drivers are needed for the PC to communicate with the USB2-H-5004. If your computer is connected to the Internet, you can use the Microsoft Windows Update service to automatically download the latest WHQL-certified device drivers. Alternatively these can be downloaded from: <http://www.connectiveperipherals.com>.

To install the drivers, follow the following steps:

1. Download and unzip the drivers to a folder.
2. Connect the USB cable to your PC USB Host or a USB Hub connector and the USB2-H-5004. Power is supplied by the USB bus, so no external power supply is required.
3. The Windows “Found New Hardware Wizard” will appear. Select the choice to install the drivers from a specific location, then browse to the folder just created when the drivers were downloaded from the Connective Peripherals website.

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4. The Driver wizard will appear a second time for the Virtual COM Port for Port A of the USB2-H-5004. Repeat the step 3 above to complete the installation of Port A.
  5. Once the USB and COM port drivers are installed for Port A, the process (steps 3 and 4) will repeat three more times, once each for Port B, Port C and Port D.
- The USB2-H-5004 can provide a +5VDC output at 250mA (total on 4 ports) via Pin9 of the D-type connector.

The DE-9P pin-out is as follows:

Pin	Function
1	DATA- = Transmit/Receive Data, negative polarity. Also Pin 2 of 120R Terminating Resistor.
2	DATA+ = Transmit/Receive Data, positive polarity
3	Pin 1 of 120R termination resistor.
4	N/A
5	GND = signal ground
6	N/A
7	Local echo function control. Connect pin7 and pin 8 can disable the local echo function. The local echo is enabled by default.
8	Local echo function control. Connect pin7 and pin 8 can disable the local echo function. The local echo is enabled by default.
9	PWR = +5V output

- The default setting is local echo enabled. Short pin7 and 8 will disable local echo.

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## Revision History:

Version 1.0	2009-09-15	Initial release
Version 1.1	2010-01-25	Modify the description of Echo Function
Version 1.2	2019-03-25	Re-branding to reflect the migration of the product from EasySync to Connective Peripherals name (changed logo, copyright, internal hyperlinks)

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