



USB2-H-9004-M – Quick Start Guide

Congratulations on your purchase of the EasySync USB2-H-9004-M High Speed USB to 4-port RS232/485 adapter. Getting started is quick and easy:

Detailed device driver installation instructions, port information and mechanical details are available in the USB2-H-9004-M datasheet. This can be downloaded from: www.easysync-ltd.com.

- To begin, connect the USB cable to your PC USB Host or a USB Hub connector and the USB2-H-9004-M . Power is supplied by the USB interface, so no external power supply is required, but an external +5V source can be used. If an external supply is used then the internal jumper JP1 must have pins 2 and 3 linked.
- Device drivers are needed for the PC to communicate with the USB2-H-9004-M . 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: www.easysync-ltd.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-9004-M .
 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 EasySync website.
 4. If a notice appears indicating that the drivers are not signed, select “Install Anyway”.
 5. The Driver wizard will appear a second time. Repeat the steps 2 to 4 above to complete the installation.

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The four terminal block connectors provides access to the following RS232/485 signals:

RS232 Port

Pin	Function
1	TXD = Transmit Data
2	RXD = Receive Data
3	DTR or RTS = Data Terminal Ready or Request To Send
4	DSR or CTS = Data Set Ready or Clear To Send
5	GND = RS232 signal ground
8	+5V DC output

RS485 Port

Pin	Function
5	GND
6	Data+
7	Data-
8	+5V DC output

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Selection of which mode (RS232 or RS485) is done using the switches on the side on the module. This is shown on the following table:

The default switch settings enable RS485 mode. This can be changed as shown in the following table:

SW1 Position Channel 1 configuration	SW2 Position Channel 2 configuration	SW3 Position Channel 3 configuration	SW4 Position Channel 4 configuration	Open (off)	Closed (on)
1	1	1	1	RS232 mode	RS485 mode
2	2	2	2	RS485 Echo enabled	RS485 Echo disabled
3	3	3	3	120R Termination resistor enabled	120R Termination resistor disabled
4	4	4	4	5V Out Disable	5V Out Enable

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