Product Overview

RS-485
Terminal
Block

USB Type B
Female
(high retention)

1 | Install the Drivers

Install the driver.

When the installation is complete, the converter will appear in Windows Device Manager as an additional COM port.

NOTE: This device cannot be used for RS-485 2-Wire or RS-422 Mode.

2 | Connect the Converter
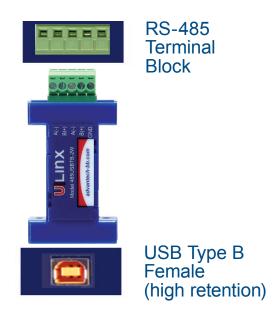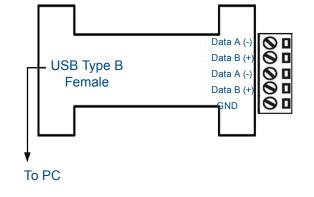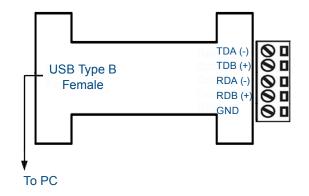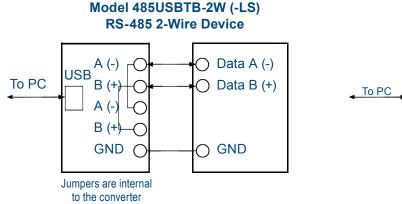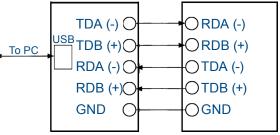
Connect the converter's USB port to a USB port on your computer or USB hub.

Connect the converter's USB port to a USB port on your computer or USB hub.

When the installation is complete the converter will appear in Windows Device Manager as an additional COM port.

USB Type B
Female

Data A (-)
Data B (+)
Data A (-)
Data B (+)
GND

To PC

USB Type B
Female

TDA (-)
TDB (+)
RDA (-)
RDB (+)
GND

To PC

Model 485USBTB-2W (-LS)
RS-485 2-Wire Device

USB
To PC

A (-)
B (+)
A (-)
B (+)
GND

Data A (-)
Data B (+)

GND

Jumpers are internal
to the converter

Model 485USBTB-4W (-LS)
RS-485 4-Wire Device

USB
To PC

TDA (-)
TDB (+)
RDA (-)
RDB (+)
GND

RDA (-)
RDB (+)
TDA (-)
TDB (+)
GND

3 | Troubleshooting

The 485USBTB-2W cannot be used as an RS-422 device or as 4-Wire RS-485.

One USB port is required for each installed device. The USB port can be native to the PC or it can be a USB port on a USB hub that is connected to a PC.

The device works with USB 1.1 or 2.0 ports. But, it has a maximum USB data rate of 12 Mbps.

To verify the installation, you may open the Windows Device Manager.

Scroll down to Ports.

Expand the flyout window.

You should see the new ports. If there are no exclamation points or other trouble indicators, the ports are installed correctly and ready for use.

Serialized - Every unit is assigned a unique COM port and the install process is required for every unit. Ideal application: fixed locations.

-LS (Locked Serial Number) - Same type model numbers share the same COM port and require only one install process for each model type. Ideal application: field service.

When ordering Locked Serial Number versions, add an -LS to those models.

Recommended Accessories

USB Cable, 3 ft.
USBAMBM-3F

4-Port Industrial USB Hub
UH-104

B+B SmartWorx

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+ QUICK START GUIDE

485USBTB-2W, 485USBTB-2W-LS, 485USBTB-4W, 485USBTB-4W-LS

USB to RS-485 Mini-Converter

Before you begin, be sure you have the following:

+ 485USBTB-2W, 485USBTB-2W-LS, 485USBTB-4W or 485USBTB-24W-LS
+ CD ROM with Drivers (included)
+ USB Cable (not included)

B+B SmartWorx

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