Alternative Products

Rugged USB Isolator
– full 500 mA downstream power
Model# BB-UHR401 or BB-UHR402

Isolated USB 3.0 Hub
– 1.5 Mbps low-speed
Model# BB-UHR401

Isolated USB 3.0 Hub
– 480 Mbps high-speed
Model# BB-USH304

USB Cable - 1.8 m (6 ft)
– Type A Male / Type B Male
Model# BB-USBAMBM-6F

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+ QUICK START GUIDE

BB-UH401, BB-UH401-2KV

USB to USB Isolator

Before you begin, be sure you have the following:

+ USB to USB Isolator
+ USB Cable - 0.9 m (3 ft)

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Product Overview

Upstream

Down-stream

Model Number	USB Speed	Isolation
BB-UH401	Full (12 Mbps)	4 kV
BB-UH401-2KV	Full (12 Mbps)	2 kV

1 | Connect the Isolator

Laptop

USB Isolator
(Model# BB-UH401)

Robotic Welder
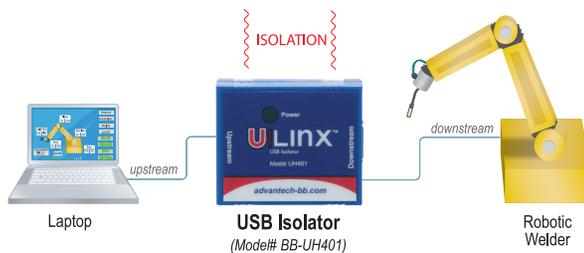
The USB isolator is transparent to the operating system. It will not appear in the device manager. Operation of the isolator can be verified by the "Power" ON LED. This indicator illuminates when the device is plugged in to a 500 mA port.

2 | Installation Tips

+ The isolator can provide up to 100 mA of current to the attached downstream device. But, it cannot do this unless the USB host port is actually providing the specified Full Power (500 mA) to the isolator.

+ You may use USB cables up to the standard 5 meter length on either the upstream and/or downstream ports.

+ For optimum isolation, the computer/host and the connected device should not use the same ground.

3 | Troubleshooting

USB Power

All models are USB bus powered and provide up to 100mA of current to attached downstream devices when they are attached to a Full Power (500 mA) USB host port.

The isolators comply with the USB 1.1 standard and transfer data at 12 Mbps or 1.5 Mbps. These data rates are preconfigured at the factory. You should select a model that is appropriate for your USB peripheral (full speed).

Two models are available: Model BB-UH401 provides 4 kV isolation; Model BB-UH401-2KV provides 2 kV isolation.