Troubleshooting

USB Power

Manufacturers don't always adhere to the USB specifications. You may discover that your computer/host is not providing the full 500 mA at the upstream USB port.

The UHR401 & UHR402 will restore the full 500 mA power and provide it to downstream USB devices.

A powered USB hub like B&B Electronics' UHR304 will also provide 500 mA to downstream devices, while giving you additional USB ports at the same time.

USB Range

USB has a range limitation of five meters. You can extend the range up to 30 meters using USB hubs. For longer ranges you can use USB extenders.

Recommended Accessories

UHR304
4-Port Powered USB Hub

+ **QUICK START GUIDE**

UHR401 & UHR402

USB-toUSB Isolators

Before you begin, be sure you have the following:

+ UHR401/UHR402
+ 12 VDC Power Adapter
+ DIN Rail Adapter DRAD35 (optional)

B+B SmartWorx
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B+B SmartWorx
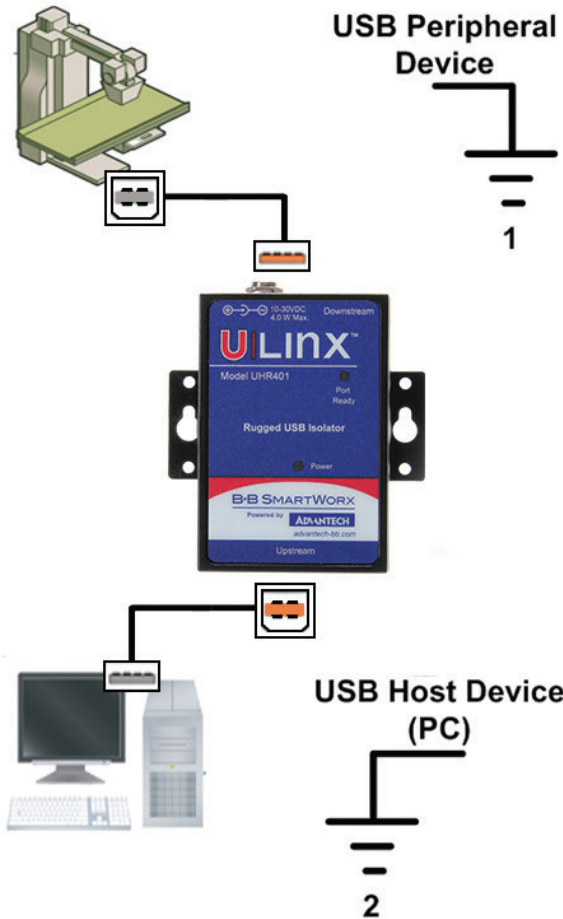Powered by ADVANTECH

Fast and easy on the web: www.advantech-bb.com

Product Overview

Downstream Port(s)

Barrel Plug (10-30 VDC, 7.0 W Max.)

Port LEDs

Din Rail/ Panel Bracket

Power LEDs

Upstream Port

Model	Isolation	Ports
UHR401	4kV	1
UHR402	4 kV	2

| Power the Isolator

The power supply provided with this product has been tested and certified. Use of any other power supply is NOT recommended.

The USB isolator is transparent to the operating system. It does not require configuration.

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

| Check LEDs

Port Ready LED	Green	Downstream Port Ready
Power LED	Green	Power is present and 500 mA is available to downstream port(s)

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

+ Do not immerse any portion of the isolator in water or other liquids.
Avoid spilling any liquids on the isolator and any attached cables.
Liquids may damage the unit.

+ You can clean the isolator with a soft cloth moistened with tap or distilled water and a mild soap if appropriate. Do not use abrasive materials, cleaners or strong solvents.