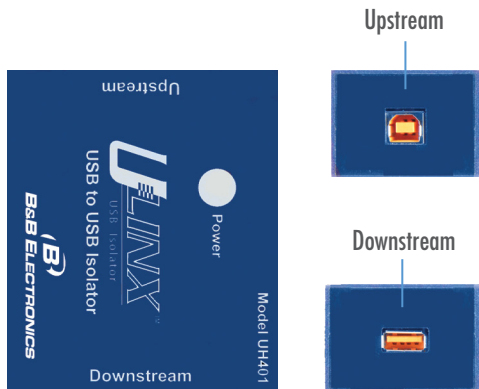


Product Overview



Model Number	USB Speed	Isolation
UH401	Full (12 Mbps)	4 kV
UH401SL	Low (1.5 Mbps)	4 kV
UH401-2KV	Full (12 Mbps)	2 kV
UH401SL-2KV	Low (1.5 Mbps)	2 kV

2 Check LED

On = Powered by the USB bus

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

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

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.

1 Connect the Isolator



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

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

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.

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.

They 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 (low speed or full speed).

Four models are available. Select a low speed version, UH401SL or UH401SL-2KV if you are using a low speed device. Low speed devices are typically human interface devices such as a mouse or keyboard.

Models UH401 and UH401SL provide 4 kV isolation. UH401-2KV and UH401SL-2KV provide 2 kV isolation.

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.

<http://www.bb-elec.com/Products/USB-Connectivity/Extenders/USB-Extender-Cables.aspx>

Recommended Accessories and Power Supplies

USB Cable

<http://www.bb-elec.com/product11.asp?sku=USBAMBMBK-15F>



USBAMBMBK-15F

4-Port Powered USB Hub

<http://www.bb-elec.com/Products/USB-Connectivity/Hubs/Industrial-grade-High-Speed-USB-Hubs.aspx>



UHR304

Fast, Easy Answers

- **First, check step 2.**
- **Then use your smart phone to access complete documentation on our web site. Simply scan the code to the right.**



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UH401x USB to USB Isolator

✓ First Things First...

Before you begin, be sure you have the following:

- USB to USB Isolator
- One Meter USB Cable