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NETWORK SERVICES

FREE Tech Support
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IEEE 1284 to USB Printer Cable Bridge

Link IEEE 1284 parallel ports to USB ports.

FEATURES

- **Complies with USB specification 1.0.**
- **Low power consumption—powered from the USB connection.**
- **USB host device drivers available.**
- **Transparent, fully automatic support for true bidirectional communication.**
- **Hardware initiates and manages automatic negotiation for the fastest protocol available.**
- **Works with IEEE 1284 compliant peripherals.**

A support utility for printing and all the software drivers you need are included with your IEEE 1284 to USB Printer Cable Bridge.

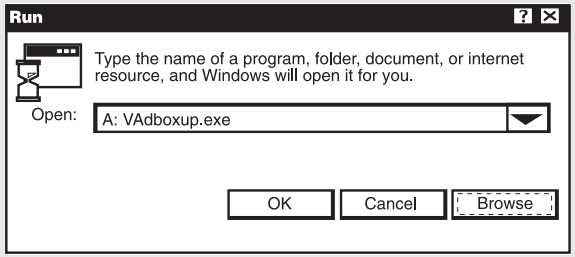

Figure 1. Installing the support utility for standard PC printing.

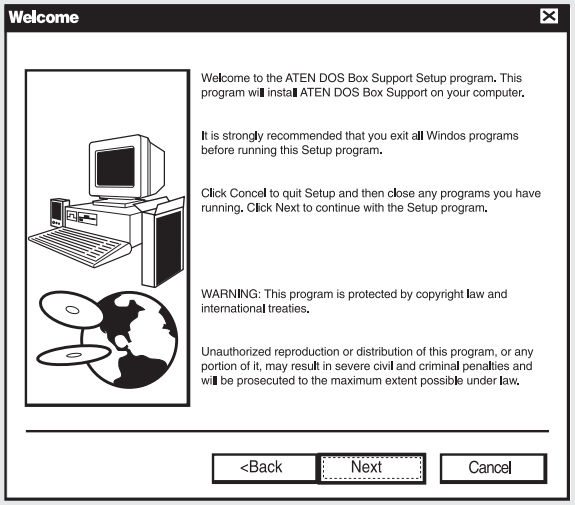

Figure 2. Using the Wizard to complete the installation of the IEEE 1284 to USB Printer Cable Bridge.

OVERVIEW

The IEEE 1284 to USB Printer Cable Bridge links the traditional IEEE 1284 parallel interface to the Universal Serial Bus (USB) interface. It's easy to install and compatible with most printers. Plus, the cable is bus-powered (it derives power from the USB connection), so it doesn't need an external power supply.

Fully compliant with the USB specification 1.0, the cable is ready to plug-and-play. Hardware initiates and manages automatic negotiation for the fastest protocol available.

The cable works with most IEEE 1284 compliant printers, plotters, and other peripherals. And the cable gives you maximum throughput of 1.216 Mbps in ECP mode.

Your existing Microsoft® Windows® printer drivers print seamlessly to USB with the IEEE 1284 to USB Printer Cable Bridge. The USB host drivers you need are included in the package.

To use the IEEE 1284 to USB Printer Cable Bridge, you'll need the following:

- PC or compatible with 486 (or higher) processor
- 16 MB RAM
- USB connector
- Printer or other IEEE 1284 standard peripheral
- One of these operating systems:
  - Windows 98
  - Windows 98 SE
  - Windows Me
  - Windows 2000
  - Windows XP

Technically Speaking

IEEE 1284

Standard parallel interfaces can support speeds of up to 150 kbps at distances up to 6 feet, while IEEE 1284 parallel interfaces can send your data over six times faster and more than five times the distance. IEEE 1284 defines a standard for bidirectional communication over a parallel interface. It specifies an electrical and a physical interface. The electrical interface can be Level 1 or Level 2. Both levels are similar, but Level 2 is used for higher-speed interfaces. The physical interface is defined by three types of connectors: Type A (DB25), Type B (Telco 36), and Type C (MDR36) Universal Serial Bus (USB).

Universal Serial Bus (USB)

Universal Serial Bus (USB) is an instant, no-hassle way to connect peripheral devices to your PC. It replaces serial- and parallel-port connections with one standard plug and port combination.

And the USB architecture is supported by Intel®, Microsoft®, and most major PC manufacturers.

Many PCs come with two USB ports for connecting serial or parallel peripherals.

To use USB technology, your PC must be running Windows 95 B or better. Software to determine if your PC is USB-compliant is included with the cable, as well as drivers to upgrade your software to support USB.

All of Black Box's USB products work with the latest software on the market.

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TECH SPECS

Cable Length — 6-ft. (1.8-m) AWG 28/24
Current — 80 mA (maximum)
Enclosure — Plastic
System Requirements —
Hardware: PC with 486 (or higher) processor, USB connector, printer or other peripheral device conforming to IEEE Standard 1284;
Software: Windows 98, Windows 98 SE, Windows Me, Windows 2000, Windows XP
Voltage — +5 V
Connectors — Input: USB Type A plug;
Output: Centronics® 36-pin male
Temperature —
Operating: 41 to 104°F (5 to 40°C);
Storage: -4 to +140°F (-20 to +60°C)
Humidity — 20 to 80% relative humidity, noncondensing
Power Supply — Bus-powered from USB cable
Size — 4.3"H x 5.3"W x 1.9"D (10.9 x 13.5 x 4.8 cm)
Weight — 0.2 lb. (0.1 kg)

Item	Code
IEEE 1284 to USB Printer Cable Bridge	**EQN500-0006-R2**