

## Bluetooth 2.0 USB Adapter

### Wireless Connection for PC

- Bluetooth 2.0 Standard
- Enhanced Data Rate (EDR) of 2.1Mbps
- 3 Times Faster Transmission Speed
- Frequency Hopping Spread Spectrum (AFH) for Enhanced Wireless Connection
- USB 2.0 Interface to Computer

#### FEATURES

- Complies With Bluetooth 2.0 Class 2 Specifications
- USB 2.0 Connection to PC
- Up to 2.1Mbps Asymmetrical, 1.5Mbps Symmetrical Data Transfer Rate
- Supports Adaptive Frequency Hopping (AFH) Function
- Enhanced Inquiry Scan for Immediate FHS Response
- LMP Improvement
- Extended SCO (eSCO) Handle
- Synchronization
- RF wireless frequency 2400 to 2483.5 Mhz
- 128-Bit Data Encryption
- 2dBi On-Board Antenna
- Up to 10 Meters (33 Feet) Wireless Operation Range \*
- Supports Windows and Mac OS

\* Environmental factors may adversely affect operation range.

The DBT-122 USB Bluetooth Adapter enables short-range wireless data connectivity between the computer and Bluetooth enabled devices. It complies with the new Bluetooth 2.0 standard and provides transmission speed of 2.1 Megabits per second, or three times the speed of Bluetooth devices using the earlier 1.x standards. Personal digital assistants, cellular phones, headset and other devices can connect wirelessly with the computer. In a nutshell, this Bluetooth adapter unplugs the digital peripherals and makes cable clutter a thing of the past.

The DBT-122 Bluetooth adapter operates on the globally available 2.4GHz radio frequency. Complying with Class 2 specifications, this USB adapter allows the computer to communicate with other Bluetooth device within a 10 meters' range. It is backward compatible with all Bluetooth 1.1 and 1.2 devices, transferring data with them using the lower Bluetooth 1.1/1.2 transmission speeds.

Very compact and lightweight, the DBT-122 adapter is about half the size of a finger. It supports an extensive set of Bluetooth profiles to provide wireless connection to a wide range of PDAs, mobile phones, printers, headsets and other Bluetooth-enabled electronic devices.

Supporting Frequency Hopping Spread Spectrum (AFH), the DBT-122 adapter cuts interference by avoiding crowded frequencies to provide you with the highest level of wireless connection. For security, the DBT-122T provides enhanced 128-bit data encryption to protect your data from being intercepted when transmitted in the air.

The DBT-122 adapter provides a USB 2.0 interface that plugs to any USB port available on the computer. When plugged to a USB 2.0 port, this adapter supports very high data transfer with the PC host to accommodate the high Bluetooth speed that it provides.

**Personal Air**<sup>™</sup>



## Technical Specifications

### System Requirements

- PC equipped with 300MHz processor or above
- 64 MB RAM or more
- USB 1.1 or 2.0 port
- Microsoft Windows XP, 2000, ME or 98 SE with USB 1.1/2.0 support
- CD-ROM drive (for device driver installation)

### Bluetooth Standard

Bluetooth 2.0 Class 2

### Host Interface

USB 2.0 Type A plug

### Bluetooth Profile

- DUN: DT/GW
- Fax: DT/GW
- FTP: client/server
- HCRP: client
- Headset: AG/HS
- HID: host
- OPP: client/server
- PAN: AP/group/user
- SPP: Dev A/Dev B
- Sync: client/server
- LAN: DT/GW
- Generic Access
- Basic Image
- CAP
- GOEP
- HSP
- BIP
- BPP
- GAVDP
- A2DP
- AVRCP

### RF Emission Type

Frequency Hopping Spread Spectrum (FHSS)

### RF Modulation Type

GFSK

### RF Frequency

2400 to 2483.5MHz

### Transmit Output Power

-6 to +4dBm (Class 2)

### Receive Sensitivity

-79dBm typical across pass band under high interference environments

### Antenna Type

2dBi on-board antenna

### General Function

Supports up to 7 slave devices

### Transfer Rates

- Up to 723.2 Kbps basic data rate
- Enhanced data rate up to 2.1 Mbps

### Data Encryption

128-bit

### Wireless Operation Rang

Up to 10 meters peer-to-peer \*

\* Environmental factors may adversely affect operation range.

## Physical & Environmental

### Power Supply

USB powered (derived from PC)

### Dimensions

47 x 19 x 10 mm

### Weight

78 grams

### Operating Temperature

0° to 40°C

### Storage Temperature

-20° to 65°C

### Operating Humidity

10% to 90% non-condensing

### Certification

- FCC Class B
- CE
- BQB
- DGT
- IC
- C-Tick

### O.S. Driver Support

- Windows 98 SE, ME, 2000, XP
- Mac OS X \*

\* Driver programs and Bluetooth profiles (except for those covering the audio function and headsets) for Mac OS X are provided by the Mac OS itself.



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