

# **BLUETOOTH LINK TRAINER**



Bluetooth is a wireless communication technology designed for portable information devices. As it works at the unlicensed 2.4GHz band, the adapter is ready for use immediately after it's installation. Furthermore, the product complies with Version 1.1, the latest Bluetooth standard to enable data transfer rates approaching 723.2Kbps in asynchronous connection and 439.9Kbps in symmetrical communication. Bluetooth is also capable of providing reliable wireless data links: while IrDA (an infrared-radiation technology used in peer-to-peer communication) is unable to establish a data link between devices separated by a shielding structure, Bluetooth enables trouble-free data transmission to distances up to 10 meters even if an obstacle exists between the communicating parties.

## **TECHNICAL SPECIFICATIONS:**

### **BLUETOOTH USB ADAPTOR**

<b>Frequency Range</b>	<b>2.4GHZ band (2400MHz-2483.5MHz)</b>
<b>Modulation Method</b>	<b>FHSS (Frequency hopping spread spectrum)</b>
<b>Data Rate Transfer</b>	Approximately <b>723.2kbps</b> (Asymmetric communication) Approximately <b>439.9 kbps</b> (Symmetric communication)
<b>Output class</b>	Class 2
<b>Antenna type</b>	2dBi onboard-integrated chip.
<b>Communication range (*1)</b>	<b>20m</b>
<b>Supported platform</b>	IBM PC/AT compatible equipped with a Pentium 300MHz (or greater) CPU, 128MB(or more) RAM <b>and a USB port.</b>
<b>Supported Oses (*2)</b>	<b>Windows 98SE/ME/2000/XP</b>
<b>Standards conformance</b>	USB Rev. 1.1/ <b>Bluetooth 1.1</b>
<b>Supported service profiles</b>	<b>Business card exchange, serial port, Dialup networking, Fax, file transfer, Data synchronization, Network access.</b>
<b>Current consumption</b>	61mA(Transmission). 56mA (reception)
<b>Dimensions</b>	46l*18.6W*9.5H mm
<b>Weight</b>	8g
<b>Interface</b>	<b>USB port (Type A)</b>
<b>Certified standards</b>	FCC part (15-205,209,247,ETS300-328, 300-826,ARIB STD-T66
<b>Receiver sensitivity</b>	-80dBm - -20 dBm
<b>Warranty Period</b>	1 year

**\*1. Line-of-sight distances: may vary with the actual environmental conditions**

**\*2. Windows 98 is not supported.**



Between two devices equipped with this module, wireless communication can be established through a virtual communication port just as if the communicating parties are linked via a serial cable.

### **Bluetooth Serial Port Services supported by the this module are as follows:**

#### **1. Bluetooth Serial**

Bluetooth provides a serial-equivalent data link between two devices.

#### **2. Dial-up Networking**

The user can access the Internet (and other networks) through a modem connected via Bluetooth (ex. cellular phones with a built-in Bluetooth module)

#### **3. Network Access**

Bluetooth provides access to a LAN.

#### **4. File Transfer**

Files can be transferred between computers via Bluetooth.

#### **5. Fax**

This feature allows the user to use a fax machine attached through Bluetooth.

#### **6. Information Exchange**

Business cards and other data can be exchanged between devices attached via Bluetooth.

#### **7. Data Synchronization**

Data can be synchronized between devices attached via Bluetooth.

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-If your PC has two more USB ports, always use this module on the same USB port, which was used during its installation.

-Under Windows2000, be sure to log on with administrator privileges.

-If another Bluetooth device or any other wireless LAN product has been installed on your PC, be sure to either remove or disable the wireless equipment before using this module.

-When connecting this module to a computer, be sure to directly attach the product to the PC. Do not use any USB hub between this module and the computer.

#### **Package contents:**

- **Bluetooth USB module**
- **Driver/utility/manual cd-rom**
- **Quick installation guide**
- **Theory manual**
- **Seminar on Bluetooth**