



# Chapter1

## Package

- One Bluetooth adapter
- One driver and software disk
- This user manual

## Features

- Bluetooth v1.1 compliant
- USB Bluetooth adapter support full speed USB v1.1 Interface.
- CF Bluetooth adapter complies with CompactFlash type I Interface.
- PCMCIA Bluetooth adapter complies with PC Card Standard, including PCMCIA release 2.1 and JEIDA 4.x standards.
- Wireless communication within a radius of 32 Feet (10 Meters) for Class 2 Bluetooth devices.
- Wireless communication within a radius of 328 Feet (100 Meters) for Class 1 Bluetooth devices.
- Connect up to 7 different Bluetooth enabled devices
- Encryption and authentication to ensure safe, secure communications
- Low power consumption

## Specifications

**Main chip:** CSR BlueCore 02

**Protocol:** Bluetooth 2.4 GHz ISM band frequency hopping

**Data Rate:** 721 Kbps

Connect up to 7 devices in a **Piconet**

**Antenna:** Integrated inside the adapter

0dBm(Class 2) Bluetooth radio:

Connection within a range of up to 32 feet (10 meters)

Class1 Bluetooth radio:

Connection within a range of up to 328 feet (100 meters)

Sensitivity: -80dbm at 0.1% Bit Error Rate (BER)

Security: encrypted link, authentication

**Bluetooth profile support includes:**

Generic Access Profile (**GAP**),

Serial Port Profile (**SPP**),

Service Discovery Application Profile (**SDAP**),

Generic Object Exchange Profile (**GOEP**),

Object Push Profile (**OPP**),

File Transfer Profile (**FTP**),

Dial-up Network Profile (**DUN**),

LAN Access Profile (**LAP**),

Fax Profile (**FAX**),

Synchronization Profile,

Headset Profile,

Personal Area Network (**PAN**)

Human Interface Device (**HID**)

Hardcopy Cable Replacement Profile (**HCRP**)

## Mechanics

USB Bluetooth Dimension:

58.6 x 19.8 x 8.1 mm (L x W x H) (for Class 2)

72.2 x 29.8 x 8.5 mm (L x W x H) (for Class 1 width including external antenna)

CF Bluetooth Dimension:

47.3 x 42.9 x 4.58 mm (L x W x H)

PCMCIA Bluetooth Dimension:

86 x 54 x 5 mm (L x W x H)

## Certification

FCC, CE, BQB

## Environmental Operating Ranges

·Temperature: 0 ~ 50%

·Humidity: 10 ~ 90%

## Power Consumption

USB Bluetooth:

Typical: 40mA/5V

Maximum: 90mA/5V

CF Bluetooth:

Typical: 40mA/3.3V

Maximum: 90mA/3.3V

PCMCIA Bluetooth:

Typical: 70mA/5V

Maximum: 210mA/5V

Idle: 25mA/5V

## LED Indication

CF adapter LED: Power on, Activity

PCMCIA adapter LED: Activity

## Drivers support

USB Bluetooth:

Windows 98SE, Me, 2000, XP, MAC O.S. 10.2.x

CF Bluetooth:

Windows 98SE, Me, 2000, XP, PPC2000, PPC2002

PCMCIA Bluetooth:

Windows 98SE, Me, 2000, XP,