

Bluetooth Class2 Bluetooth AV Dongle User manual

Doc Version :20050627

Product ID	BED101
Product Name	BED Class 2 Bluetooth AV Dongle
Firmware Version	Rev 6.3.1 USB-AV
Hardware Version	Rev.01

DESCRIPTION

BED101 Bluetooth USB Dongle is a Bluetooth stereo audio transmitter that transmits stereo audio thru Bluetooth A2DP Profile to Bluetooth stereo receiver(Headphone:BES102). Comply with Bluetooth Specification V1.2 and support A2DP profile, Users can benefit from the convenience of wireless stereo function.

FEATURE

- Comply with Bluetooth Specification V1.2
- New Bluetooth V1.2 Mandatory Functionality
 - 1.Adaptive Frequency Hopping (AFH)
 2. Faster Connections
 3. Flow and Flush Timeout
 4. Parameter Ranges
- Optional V1.2 Functionality Supported
 1. Extended SCO (eSCO) EV3+CRC,EV4,EV5
 2. Scatter Mode
 3. LMP Absence Mark, Quality of service and SCO handle
 4. L2CAP flow and error Control
 5. Synchronization
- Built-in Link controller and Link Manager Protocol
- USB interface fits desktop/laptop PCs
- Compliant with USB 1.1 Specification (that is, works with all USB interface)
- Bluetooth Class 2 operation with over 10m range
- Easy to follow-friendly user interface (Plug & Play) provides an easy way to connect other Bluetooth devices

APPLICATIONS:

Notebook、 PC

Technical SPECIFICATION

ITEMS	SPECIFICATION
Standard	Bluetooth V1.2
Interface	USB (Type A)
Link Mode	ACL, eSCO (Extended Synchronous Connection-Oriented)
Data Rate	Asynchronous:723.2kbps/57.6kbps Synchronous:433.9kbps/433.9kbps
Frequency Band	ISM 2.4GHz
Compatible OS	Microsoft Windows 98/2000//ME/XP
Bluetooth Profiles support	A2DP(AV)
Receiver Signal Range	Better than -76dBm @0.1%BER
RF Output Power	-3 ~ +2dBm (Max +4 dBm)
Operation current	< 70mA(max)
Operating Distance	Up to 10 meters
Output interface	USB V1.1
Operation Temperature	-10 ~ +60 Degree C
Storage Temperature	-20 ~ +70 Degree C
Modulation	GFSK(Gaussian Frequency Shift Keying)
USB Specification	Ver 1.1
Spectrum	Frequency Hopping Spread Spectrum (FHSS)
Security Provided	Pairing, Encryption, Authentication
Dimension	46.00mm x 18.50mm x 8.4mm

Installation Steps :

1. Plug the AV Dongle (BED101) into the USB port of a PC.
2. The AV Dongle (BED101) will blink rapidly (signaling that it is searching for devices).
3. Turn on the BES102 and wait for the function LED to become solid (signaling that it has been connected by the AV Dongle (BED101).
4. Launch the audio player software and play the music.



Notice on FCC :

Operation is subject to the following 2 conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user ' s authority to operate the equipment.

15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.
- You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.