



LM540 Long Range Bluetooth USB Adapter



LM540 is Class 1 type Bluetooth USB Adapter that offers high data rates and can reach upto 1000 m when coupled with a long range antenna. This is due to the SMA connector that allows use of a high gain antenna.

The LM540 Bluetooth USB Adapter is an ideal solution for any application that requires communication distances from 500-1000 m such as Bluetooth proximity marketing, operating Bluetooth at further distance from your PC etc.

The adapter is packaged with either Bluesoleil (IVT) by default. Toshiba Software is available on special request. Depending on application we can advise which is most suitable.

Toshiba offers higher transmitting rates and IVT has a more comprehensive multimedia package.

Our range of antennas include 2-9dbi and an option for base mount is also available.

Product Features:

Enhanced range with Bluetooth Class1 radio. (Up to 1000m wireless working distance).

Stereo audio ,VOIP support (With IVT software).

Offers more freedom than other voice/video over internet programs like Skype because it allows you to move around freely while talking. This can be done by using a bluetooth headset paired to IVT software.

Eliminates the need for cables between your computer/laptop and other bluetooth devices like phones/PDAs for data transfer and voice applications.

Bluetooth specification v2.1 EDR compliant, backward compatible with Bluetooth v1.1, v1.2 and v2.0 + EDR

Compatible with Microsoft bluetooth driver (supplied as a part of Windows installation).



LM-540

Bluetooth USB Adapter Specification

Bluetooth Specification

- Chip set: CSR BC04-ROM
- Bluetooth Class: v2.1 + EDR
- Data Rate Throughput: upto 3Mbps**
- Transmission class: Bluetooth Class 1 Radio
- Profiles Supported:
 - AVCRP, GAP, PAN, LAN, DUN, HID, FAX,
 - SYNC FTP, HCRP, BIP, GEOP, SDAP, OPP
 - SPP, HSP/HFP, A2DP

Physical Specification

- Height: 14mm
- Length: 56mm
- Width: 28mm
- Weight: 9 gms

Operating Parameters

- Spread Spectrum: 2.4Ghz - 2.4835Ghz
- Modulation Method: GFSK, DQPSK, and DPSK
- Transmitter Power: +20 dBm (+6dBm EDR) *
- Range: 100m upto 1000m
- Temperature: -40 °C to +85 °C
- Receive Sensitivity: -86 dBm

Warranty

- 12 months warranty

Certification

- BQB, CE, FCC and RoHS

Retail Specification

- Package Height: TBA
- Package Length: TBA
- Package Width: TBA
- Package Weight: TBA
- EAN: 5060077845404 
- Carton Qty: TBA
- Net Weight: TBA
- Gross Weight: TBA
- Carton Dimension: TBA
- Volumetric: TBA

OS Requirements

- Windows 2000/XP/Vista/Windows 7 (32 bit/64 bit)
- Linux (3rd party drivers required)
- OSX (3rd party drivers required)

Package Contents

- Bluetooth USB Adapter
- Warranty/Support Card

Package Options

- LM540 Bulk Adapter Only
- LM540 Adapter & IVT Software CD (MultiMedia)
- LM540 Adapter & Toshiba CD or Download (Transfer Speed)
- Above options with LM-251 or LM252

Optional Components

- LM-251 2 dBi Antenna (500m range)***
- LM-252 5 dBi Antenna (650m range)***
- LM-253 7 dBi Antenna plus (800m+ range)***
- LM-254 9 dBi Antenna plus (900m-1200m) ***

Notes:

** Maximum wireless data rate derived from IEEE standard 802.15 specification. Actual throughput will vary. Network conditions and environment factors, including volume of network traffic, building materials and construction, and network overhead lower actual data throughput rate.

*** Maximum free space distance range between two LM540's with the above said antenna under ideal conditions as yet untested due to lack of ideal conditions.