



LM-541

New Long Range Adapter

Bluetooth USB Adapter



The LM541 is a Class 1 type Bluetooth USB adapter complete with a 2dbi antenna that offers high data rates which can reach up to 500m.

Our range of antennas with SMA connection from 2-9 dbi are available. A base mount option is also available for use with a 7dbi or 9bi antenna.

The LM541 Bluetooth USB adapter is an ideal solution for any application that requires distances from 350m to 1000m (adapter to adapter only) such as Bluetooth proximity marketing.

Bluetooth functionality such as wireless access to the internet, transfer of data, images, VOIP applications and other Bluetooth features are as standard.

The adapter is packaged with BlueSoleil IVT software and is dependent on application - we can advise which is most suitable.

Product Features:

- Enhanced range with Bluetooth Class 1 radio (Up to 1000m- adapter to adapter)¹
- Stereo audio supported, and with VOIP support
- Eliminates the need for cables between your computers and other Bluetooth devices
- Bluetooth specification v2.1 EDR compliant, backward compatible with V1.1, V1.2 and v2.0 devices
- Easy, fast, and intuitive installation and setup
- Bluetooth proximity marketing, Industrial wireless applications
- Compatible with Microsoft Bluetooth driver (supplied as part of Windows installation)



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Bluetooth USB Adapter

Technical specification

Bluetooth Specification:

- Chip set: CSR BC04-ROM
- Bluetooth Class: v2.1 + EDR
- Data Rate Throughput: upto 3Mbps*
- Profiles supported:
 - Toshiba Stack: SPP, DUN, FAX, LAP, OPP, FTP, HID, HDP, HCRP, PAN, BIP, HSP, HFP (including Skype support), A2DP, and AVRCP
 - IVT Stack: DUN, FAX, HFP, HSP, LAP, OBEX, OPP, PAN, SPP, AV, BIP, FTP, HID and SYNC
- Transmission class: Bluetooth Class 1 Radio

Physical Specification:

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

Operating Parameters:

- Spread Spectrum: 2.4Ghz - 2.4835Ghz
- Modulation Method: GFSK, DQPSK, and DPSK
- Transmitter Power: +20 dBm (+6 dBm EDR)
- Range: 100m upto 1000 metres¹
- Temperature: -40°C to 85°C
- Receive Sensitivity: -86 dBm

Warranty:

- 12 months warranty

Certification:

- BQB, CE and RoHS

System Requirements

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

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

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Retail Specification:

- Package Height: 183mm
- Package Length: 135mm
- Package Width: 20mm
- Package Weight: 150 grams

- EAN: 5060077845411

- Carton Qty: 100
- Net Weight: 14 kg
- Gross Weight: 15 kg
- Carton Dimension: TBA
- Volumetric: TBA

Package Contents

- Bluetooth USB Adapter Class 1
- CD-ROM with IVT Software
- Quick Install Guide
- Warranty/Support Card
- LM251 2 dBm Antenna (500m range)

Optional Components

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

LM Technologies Related Products

- LM-055 Bluetooth EDR USB Adapter
- LM-505 Bluetooth Nano USB Adapter