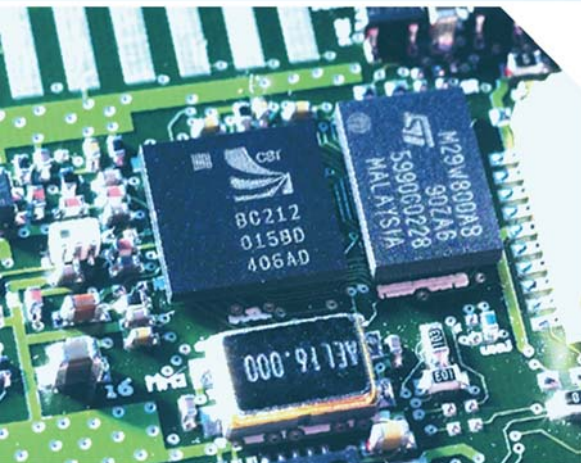




BL-554

USB BLUETOOTH ADAPTER

WIRELESS SOLUTIONS ENGINEERED TO EXCEED EXPECTATIONS



Description

Brainboxes USB Bluetooth adapter allows a personal computer with a USB socket to communicate with other Bluetooth devices.

Brainboxes Bluetooth device supports many Bluetooth profiles, upgradeable firmware, is fully qualified by the Bluetooth SIG and has Microsoft Hardware logo approval. Being mobile no longer limits your options.

Brainboxes USB Bluetooth adapter was one of the first Bluetooth products in the industry to achieve Microsoft Logo approval, and remains one of the few.

Features

- Class 2 Bluetooth device operating at 3.5dBm
- USB
- Range, Office: 10m Field: 30m subject to local environment conditions
- Integral Antenna
- Upgradable onboard flash memory for latest Bluetooth Features
- Support for many Bluetooth profiles
- Windows XP (SP2) support

[Click on each feature to find similar products](#)

Applications

- File sharing
- Cable Replacement
- Sync PC with Mobile Phone
- Instant Networking
- Internet Access through Mobile Phone



For PDA OS support see: BL-565 & BL-752

TEL: +44 (0) 151 220 2500

Software

Native support; Software designed by Microsoft in partnership with Brainboxes.

- o Windows XP (SP2)

Included on our Brainboxes Bluetooth Solutions CD:

- o Full product documentation
- o Detailed Installation Guide
- o Interactive tutorials
- o Thorough troubleshooting guide



ORDER

Description






USB BLUETOOTH ADAPTER

Code

BL-554



USB BLUETOOTH ADAPTER

Product Code	BL-554	
Bluetooth General		
Bluetooth Qualification		1.1 Qualified
Bluetooth Radio		
Class Of Device		Class 2
Radio Frequency		2.4GHz
Integral Antenna		Yes
Receiver Sensitivity		0.01%
Output Power		3.5 dBm
Operating Distance (Typical) Metres*		Field: 30m Office: 10m
Bluetooth Settings		
Max Transfer rate (Kb/s)		up to 723
Configurable Local Device Name and Device Class		Yes
Configurable Discoverability, Security mode and PIN number		Yes
PICONET & SCATTERNET capable		Yes
PARK and SNIFF mode		Yes
Bluetooth Profile Support		
Serial Port Profile (SPP)		Yes
Service Discovery Application Profile (SDAP)		Yes
Object Push Profile (OPP)		Yes
File Transfer Profile (FTP)		Yes
Dial-up Network Profile (DUN)		Yes
LAN Access Profile (LAP)		Yes
Fax Profile (FAX)		Yes
Human Interface Device (HID)		Yes
Synchronisation Profile (SP)		Yes
Bluetooth Security		
Encryption		Yes
PIN Authentication		Yes
Security Levels		Yes
General		
Status LED's		Power, Tx, Rx
Power Consumption		USB powered: more info CLICK HERE
Weight		45g
Size WxDxH (mm)		38 x 77 x 20 mm (plus 70 cm cable and connector)
Interface		
OS Compatibility		Windows XP SP2
Bus interface		USB
Microsoft Approval		Windows XP Pro, Windows XP Home
Approvals & Accreditations	  	UL, CE, FCC, Bluetooth SIG Approved
Box Contents		Bluetooth Solutions CD including manual, interactive tutorials, guides etc. USB Bluetooth Adaptor Bluetooth QUICK START GUIDE
OEM option		Available for bulk buy OEM
Product Support		Lifetime Email and Phone Support from fully qualified, friendly staff 40 hours a week
Warranty		3 years
Made In	 	Manufactured in the UK by Brainboxes Winner 2005 European Electronics Industry Awards "Manufacturer of the Year"
Customisable		Brainboxes operate a "Perfect Fit Custom Design" policy for volume users More Info: CLICK HERE



USB BLUETOOTH ADAPTER

Brainboxes' Service

"Brainboxes offers free lifetime support for ALL customers."



We aim to provide industry leading support for our customers. Our highly trained and helpful support engineers sit and work closely with the product designers, developers, and testers to ensure an in-depth knowledge of the products. Support can be found by emailing support@brainboxes.com or calling: +44 (0)151 220 2500 during UK office hours.

Support website: www.brainboxes.com/support/index.asp

"Brainboxes offers 3 year 'no quibble warranty' on all Bluetooth products."

If, for whatever reason, your Brainboxes Bluetooth device does become dysfunctional Brainboxes are happy to replace it thanks to our "3 year no quibble warranty". Peace of mind for your investment.

Brainboxes' Kaizen

"Brainboxes constantly strives to achieve higher standards for the benefit of customers."



'Kaizen' is a Japanese term meaning 'continuous improvement'. Kaizen has been implemented throughout Brainboxes, resulting in significant improvements to our products and our customer service, as illustrated by the development of our own custom ASIC "LYNX" and our new lifetime warranty. As part of this ongoing process, in 2004 we embarked on 'Lean' and '6 Sigma' programs which are successfully increasing productivity and efficiency in all areas of the company. **More Info:** [Click Here](#)

What Can I do with Bluetooth?

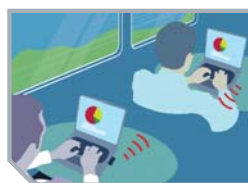
Bluetooth makes the sharing and exchange of information between mobile or static devices as simple as possible. Whether at home, on the move, or in the office it can be used for networking, sharing files, synchronizing information, email, Internet access, printing, and more. In industry it can be used to wirelessly control equipment and machinery - perfect for servicing inaccessible devices.



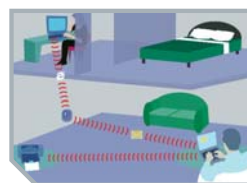
Connect **wirelessly** to a Bluetooth printer to easily **print** copies of your documents



Use Bluetooth in test or manufacturing to **control and monitor** equipment



Create instant **ad-hoc networks** to share files and information



Connect to the **Internet** from anywhere at **home** via a Bluetooth broadband modem



Email anywhere by connecting your laptop or Pocket PC to your Bluetooth phone



USB BLUETOOTH ADAPTER

Glossary: Product Features Explained

Bluetooth Profiles

Profiles are invisible connectors. Simply match 2 profiles on the devices you want to connect and begin sharing information.

SDAP- Service Discovery Application Profile

Allow Bluetooth devices to discover compatible services

SPP - Serial Port Profile

Behaves like a serial cable, using virtual COM ports for transmitting and receiving data.

DUN - Dial up Networking

Connect to the internet through a phone

FTP - File Transfer Profile

Send or receive files, for example documents or pictures

OPP - Object Push Profile

Send/Receive business cards / calendar items and other mobile phone entries

FAX - Fax profile

Send faxes through a phone

LAN - Local area network access profile

Get onto network through access point, in the office or the home

HID-Human Interface Device

Allows Bluetooth devices such as a keyboard and mouse to be interfaced.



Bluetooth Device Class

There are 3 classes of Bluetooth device defined to suit different needs:

Class 1 - Long Range

Maximum Output Power of 100mW (20dBm)

Class 2 - Medium Range

Maximum Output Power of 2.5mW (4dBm) most common

Class 3 - Short Range

Maximum Output Power of 1mW (0dBm) very rare

A value of distance cannot be explicitly stated for each device class; every user environment is slightly different, and affects the signal in different ways. The best way to compare devices operating range is by comparing Output Power. A device with a larger output power will be able to communicate with other devices over a further distance. Most Brainboxes devices are class 1 devices with a very powerful Power Output, Brainboxes Bluetooth Class 1 devices have one of the most powerful Bluetooth radios in the industry - 14dBm!

Bluetooth Specification

There are 4 different Bluetooth Specifications; each specification include different profile support. All Brainboxes Bluetooth devices are Qualified to Bluetooth Specification 1.1 or 1.2. Brainboxes Bluetooth products are officially qualified by the Bluetooth SIG and can be found listed on the official Bluetooth SIG website.