

Quick Start Guide

Bluetooth® USB Module, BCM92045MD


Thank you for purchasing a Broadcom Bluetooth USB Module. Before you begin to use the Bluetooth USB Module, you will require the following items:


A computer with an internal USB port and one of the following operating systems: Microsoft® Windows® XP or Windows 2000.

The Software Installation Compact Disc included with your Bluetooth USB Module.

Note: This module is not intended for installation by end users.

Step 1: Installing the Software

 **NOTE:** This installation is required before you insert the module into the USB port of your computer.

1. Insert the Bluetooth USB Module installation compact disc (CD) into the CD-ROM or DVD drive of your computer.
2. If the **Main Menu** screen appears automatically, select **Install software** and click **OK**. If the **Main Menu** screen does not appear automatically, click **Start**, click **Run**, type **x:\setup.exe** (where **x** is the CD-ROM or DVD drive letter of your computer), and click **OK**.
3. Click **Next**, click **Finish**, and then restart your computer.
4. Right-click the Bluetooth icon  in the taskbar notification area (system tray) and click **Start Using Bluetooth**. Follow the instructions provided by the **Initial Bluetooth Configuration Wizard**.

Step 2: Inserting the Module

Make sure that the Bluetooth USB Module is properly inserted inside your computer.

If you started at **Step 1: Installing the Software**

The **Found New Hardware Wizard** detects and installs the device. When the installation is finished, you are ready to begin using the Bluetooth features of this computer.

If you *skipped Step 1: Installing the Software*, you are ready to begin using the Bluetooth features of this computer.

- ☒ **NOTE:** Before you begin, however, please review the *Bluetooth USB Module User's Guide*. This document provides important information and instructions that will help you do the things you want to do with your Bluetooth enabled computer.

Glossary

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| Authentication | A Bluetooth security feature that is used to verify identity; it requires a Bluetooth PIN Code from the remote device. |
| Authorization | A Yes-or-No Bluetooth security feature that requires operator intervention to avoid having the connection time out and fail. |
| Bluetooth device | Bluetooth enabled hardware such as a computer, printer, fax, mouse, keyboard, cell phone, headset, or PDA. |
| Bluetooth PIN Code | The alphanumeric string (up to 16 characters) that is typed to respond to a Bluetooth PIN Code Request. Also referred to as a <i>Passkey</i> . |
| Bluetooth® | A short-range (9.14 meters/30 feet) networking protocol that allows enabled devices to automatically recognize each other. Bluetooth wireless technology allows quick and easy connectivity of Bluetooth enabled devices. |
| Client Applications | Software applications on this computer that allow this computer to use the Bluetooth services provided by remote Bluetooth devices. |
| Link Key | An internally generated unique security key (based on a Passkey, the Bluetooth Device Address, and an internally generated random number) that is exchanged by paired devices as proof of identity before a connection is established. |
| Local Services | Services that this computer provides to other Bluetooth devices. |
| Paired Devices | Bluetooth devices must be paired before they can connect. Paired devices share a unique Link Key, which they exchange each time they connect. |
| Secure Connection | A setting that requires a Passkey or Link Key each time you attempt to make a connection. All data exchanged over the Bluetooth connection is encrypted. Depending on other configuration options, authorization may also be required. |

Regulatory Statements for BCM92045MD

USA-Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of 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. If not installed and used in accordance with the instructions, it 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 tuning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the distance between the equipment and the receiver.
- Connect the equipment to outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Caution: Exposure to Radio Frequency Radiation.

To comply with FCC RF exposure compliance requirements, this device must not be co-located or operating in conjunction with any other antenna or transmitter.

Canada – Industry Canada (IC)

This device complies with RSS 210 of Industry Canada.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.”

L' utilisation de ce dispositif est autorisée seulement aux conditions suivantes : (1) il ne doit pas produire de brouillage et (2) l' utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

The term "IC" before the equipment certification number only signifies that the Industry Canada technical specifications were met.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

Pour empêcher que cet appareil cause du brouillage au service faisant l'objet d'une licence, il doit être utilisé à l'intérieur et devrait être placé loin des fenêtres afin de fournir un écran de blindage maximal. Si le matériel (ou son antenne d'émission) est installé à l'extérieur, il doit faire l'objet d'une licence.

Caution: Exposure to Radio Frequency Radiation.

The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website www.hc-sc.gc.ca/rpb.

Europe—EU Declaration of Conformity and Restrictions

Hereby, Broadcom Corp, declares that this equipment complies with the essential requirements and other relevant provisions of Directive 1999/5/EC.

This equipment is marked with the  symbol and can be used throughout the European community.

This indicates compliance with the R&TTE Directive 1999/5/EC and meets the relevant parts of following technical specifications:

EN 300 328 – Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission Systems; Data transmission equipment operating in the 2,4GHz ISM band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE directive.

EN 301 489-17 - Electromagnetic Compatibility and Radio Spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 17 Specific Conditions for Wideband Data and HIPERLAN Equipment.

EN 60950-1 - Safety of Information Technology Equipment.

EN 50385 – Product standard to demonstrate the compliances of radio base stations and fixed terminal stations for wireless telecommunication systems with the basic restrictions or the reference levels related to human exposure to radio frequency electromagnetic fields.

France - 2.4GHz for Metropolitan France :

In all Metropolitan départements, wireless LAN frequencies can be used under the following conditions, either for public or private use:

- Indoor use: maximum power (EIRP*) of 100 mW for the entire 2400-2483.5 MHz frequency band
- Outdoor use: maximum power (EIRP*) of 100 mW for the 2400-2454 MHz band and with maximum power (EIRP*) of 10 mW for the 2454-2483 MHz band

Taiwan DGT warning statement

低功率電波輻射性電機管理辦法

第十四條經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十七條低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信規定作業之無線電信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

Translation:

Article 14

Without permission granted, the frequency change, transmitting power enhance or alter of original design characteristic as well as function by company, enterprise, or user for approved Low-power radio frequency devices is not allowed.

Article 17

Low-power radio-frequency devices shall not influence aircraft security and interfere legal communications; If found, shall cease operating immediately until no interference is achieved.

Above mentioned Legal Communications is defined as radio communications operation follows Telecommunications Act. Low-power radio-frequency devices must susceptible with the interference from legal communications, ISM radio wave radiated devices.