

BT4D02

Bluetooth Module

User Manual

STATEMENT and Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

FCC RF Radiation Exposure Statement

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.

End Product Labeling

This transmitter module is authorized for use in device which in portable exposure condition without restriction. The final end product must be labeled in a visible area with the following: "Contains FCCID: VYVBT4D02". The grantee's FCCID can be used only when all FCC compliance requirements are met.

Manual Information To the End User

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module.

The Grantee must instruct the OEM/Integrator to include statements as required per Parts 15.19 and 15.21.

An attestation that the Grantee will provide guidance to the host manufacturer for compliance to Part 15, subpart B requirements.

The modular transmitter must comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirement.

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Package Contents

The following items should be found in your package:

BT4D02 Bluetooth Module

Conventions:

The 'Module' mentioned in this user guide stands for BT4D02 Bluetooth Module without any explanation.

Chapter 1 Introduction

Thank you for choosing the MB8811C0 Bluetooth Adapter Card!

1.1 Overview of the Product

BT4D02 based on Broadcom®BCM20705 to design and product. The module complies with Bluetooth Core Specification, version 4.0 and standard HCI USB/UART.

1.2 Features

- Bluetooth compliant.
- Programmable output power control at -1dBm±1dB.
- Use supply voltages up to 5.5V.
- Supports Broadcom Smart Audio™, wide-band speech, SBC codec, and packet loss concealment.
- Ultra-low power consumption.
- ARM TDMI-STM-based microprocessor within integrated ROM and RAM.
- Operation Range (Class II): 10 meters
- Operating Temperature Range: -10°C ~ 50°C

Chapter 2 Linux Installation Guide (For Consumer Electronics)

2.1 Hardware Installation

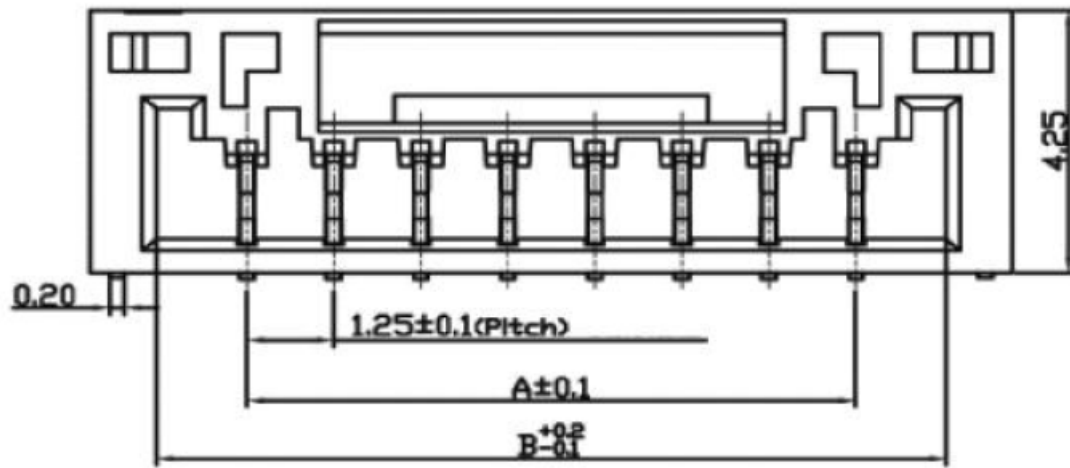
For the Consumer Electronics products which use BT4D02, it must provide a corresponding connector for the module. After connecting the module to the device, the hardware installation is finished.

2.2 Software Installation

For the Consumer Electronics products, the Linux Driver of BT4D02 is embedded in default. So the module is a plug and play device. After connecting the module to the device, BT4D02 will work well.

2.3 Module Connector

The 6-pin side entry type connector, 1.25mm pitch, detail spec as below:



SN	definition	Description
1	VBUS	Power supply DC3.3V~5.5V
2	GND	Ground
3	SYNC	TV sync signal
4	DN/RX	USB D- / UART_RX
5	DP/TX	USB D+ / UART_TX
6	GND/RST	Ground / Active reset input

2.4 Mechanical Dimension

