

The user manual of Bluetooth Module

1. The product description

The user can achieve wireless connection to BLE, through this module.

2. Basic parameters

Feature Description	Feature Description
Model	MHCB12S
Product Name	Bluetooth Module
Major Chipset	RTL8762EGF
BT Standard	V5.0 BLE
BT Frequency Range	2402MHz~2480MHz
Modulation Method	GFSK
Data Transfer Rate	1Mbps/2Mbps
Antenna Reference	MHCB12S: External Antenna;
Interface	UART
Supply Voltage	3.3V±0.3V
Dimension	MHCB12S: 13.5 (mm) *12 (mm) *3 (mm)
Operating Temperature	-40° C to 85° C
Storage Temperature	-40° C to 85° C
BT Frequency Range	Limited power<20 dBm

3. The display method of Model approved code

In the factory, the model approve code is lasered on the shielding case.

4. FCC 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.

FCC ID: 2AFZZ-MHCB12S

FCC Radiation Exposure Statement

5. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of FCC RF Rules. This equipment should be installed and operated with minimum distance of 20 in (50cm) between the radiator and your body. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

The device complies with Health requirements when the device is used at 50cm from your body.

This EUT is compliance with SAR for general population/uncontrolled exposure limits in IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528. This equipment should be installed and operated with minimum distance 50cm between the radiator & your body.

CAUTION

To comply with the limits of the Class B digital device pursuant to Part 15 of the FCC Rules, this device is compliant with Class B limits. All peripherals must be shielded and grounded. Operation with non-certified peripherals or non-shielded cables may results in interference to radio or reception

MODIFICATION

To assure continued compliance, Any changes or modifications not expressly approved by the grantee of this device could void the users authority to operate the device.

Module

The OEM integrator has to be aware not to provide informationto the end user regarding how to install or remove this RF module in the user's manual of the end product whichintegrates this module. The end user manual shall include all required regulatory information/warning as show inthis manual.

This device is intended only for OEM integrators under the following conditions: (For module device use)

1) The antenna must be installed such that 50 cm is maintained between the antenna and users, and 2) The transmitter module may not be co-located with any other transmitter or antenna. As long as 2 conditions above are met, further transmitter test will not be required. However,the OEM integrator is still responsible for testing their end-product for any additional compliance requirementsrequired with this module installed.

6.ICRadiationExposureStatement

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 50 cm(8 in)

between the radiator and your body NOTE To satisfy FCC exterior labeling requirements,

the following text must be placed on the exterior of the end product Contains Transmitter module FCC ID:

2AFZZ-MHCB12S.To satisfy IESD exterior labeling requirements, the following text must be placed on the exte

rior of the end product " Contains Transmitter module IC:25903-MHCB12S.

IC ID: 25903-MHCB12S

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

"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 the device."Le présent appareil est conforme aux CNR d'

Industrie Canada applicables aux appareils radio exempts de licence. L'

exploitation est autorisée aux deux conditions suivantes :

1) l'appareil ne doit pas produire de brouillage;

2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC ID: 25903-MHCB12S

A voltage stabilizing element or circuit is required on the power supplies to the module, and then the power supply is sent to the module.

NCC 警告

取得審驗證明之低功率射頻器材，非經核准，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。低功率射頻器材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。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材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。

本模組於取得認證後將依規定於模組本體標示審驗合格標籤，並要求最終產品平台廠商(OEM Integrator)於最終產平台(EndProduct)上標示:本產品內含射頻模組，其NCC型式認證號碼為:



CCXXxxYYyyZzW

Manufacturer: Xiaomi Communications Co.,Ltd.

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