



Qingdao MWH412B WiFi Module User Manual

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The user manual of TV's WIFI module

The product description

The user can achieve TV connection WIFI net, through this module and the voltage supplied by the system to the module needs to be transmitted by a voltage regulator or circuit

This equipment may be operated in all European countries

The module installation method is as follows: pass the large round hole of the module through the limit column of the bracket of the TV, and fix the module by the snap-fit on the bracket

Basic parameters

Feature Description	Feature Description
Model	MWH412B
Product Name	WiFi Module
Major Chipset	RTL8731BU
Antenna Reference	Steel Antenna and Pull-out Antenna
Interface	USB2.0
Supply Voltage	3.3V±0.3V
Dimension	47.0×30.0×6.3mm (Tolerance±0.3mm)
Operating Temperature	-10°C to 70°C
Storage Temperature	-40°C to 80°C

RF output power

	Band	Limited power
WLAN	2412MHZ–2484MHZ	<20dBm
WLAN	5150MHZ-5850MHZ	<20 dBm

The display method of Model approved code

In the factory, the model approval code is displayed on the PCB board through silk screen printing. 5.

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.

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.

Radiation Exposure Statement

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

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.

Radiation Exposure Statement

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: 2AJVQ-MWH412B To satisfy IESD exterior labeling requirements, the following text must be placed on the exterior of the end product " Contains Transmitter module IC: 22470-MWH412B



 This symbol on the product or on its packaging indicates that this product must not be disposed of with your household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

IC Statement

where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated. 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.

Warning

Without approval, companies, businesses, or users are not allowed to change the frequency, increase power, or change the characteristics and functions of the original design of low-power RF equipment that has obtained the verification certificate. The use of low-power RF equipment shall not affect flight safety or interfere with legitimate communication; When interference is found, it should be immediately stopped and improved until there is no interference before continuing to use.

Legal communication refers to wireless communication operated in accordance with the provisions of the Telecommunications Management Law. Low power radio frequency equipment must withstand interference from legitimate communication or industrial, scientific, and medical electromagnetic wave radiation electrical equipment.



Documents / Resources

The user manual of TV-WIFI module

1. Introduction

2. Features

3. Pin Definition

4. Electrical Characteristics

5. Package Information

6. Mechanical Dimensions

7. Test Conditions

8. Test Results

9. Revision History

10. Contact Information

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MWH412B, MWH412B WiFi Module, WiFi Module, Module

References

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