

The user manual of TV's WIFI module

1. 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

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. Connect the external IPEX antenna to the antenna pedestal of the module

2. Basic parameters

Feature Description	Feature Description
Model	MWH648S
Product Name	WiFi Module
Interface	USB3.0/2.0
Supply Voltage	3.3V±0.3V
Dimension	22 (mm) *20 (mm) *2.45(mm)
Operating Temperature	-10° C to 70° C
Storage Temperature	-40° C to 85° C

3. RF output power

	Band	Limited power
WLAN	2400MHZ-2483.5MHZ	<20dBm
	5150-5350 MHz, 5470-5850MHz	
	5925MHz-7125MHz	
BT	2400MHz-2483.5MHz	<20dBm

4. The display method of Model approved code

In the factory, the model approve code is pasted on the back shell in a label.

5. Radiation Exposure Statement

This equipment complies with radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of 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 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.

6. Radiation Exposure Statement

This equipment complies with 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 exterior labeling requirements, the following text must be placed on the exterior of the end product Contains Transmitter module To satisfy IESD exterior labeling requirements, the following text must be placed on the exterior of the end product " Contains Transmitter module



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 2400 to 2483.5 MHz、5150 to 5350 MHz、5470 to 5850MHz、5925MHz-7125MHz frequency range.

	BG	CZ	DK	DE	EE	IE	EL	ES	FR	HR
	CY	LV	LT	LU	HU	MT	NL	AT	PL	PT
	SI	SK	FI	SE	UK	NO	IS	LI	CH	TR

7、 Note: 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.

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.

This device is going to be operated in 5.15 ~ 5.25GHz frequency range. It is restricted in indoor environment only.

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 end user manual shall include all

required regulatory information/warning as show in this 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 20 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 requirements required with this module installed.

Transmitters in the 5.925-7.125 GHz band are prohibited from operating to control or communicate with unmanned aircraft systems.

Manufacturer: Qingdao Intelligent & Precise Electronics Co., Ltd.

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