

The user manual of TV's WIFI、Bluetooth module

1. The product description

The user can achieve TV connection WIFI net and Bluetooth, through this module

This equipment may be operated in all European countries.



2. Basic parameters

Feature Description	Feature Description
Product Name	BT/WiFi Moudule
Model	MW510
Major Chipset	MT7663BU
WLAN Standard	IEEE 802.11 a/b/g/n/ac
BT Standard	Bluetooth 5.0
Frequency Range	2.4GHz~2.4835GHz,5.15~5.85GHz
Spread Spectrum	WiFi: 802.11b:DBPSK,DQPSK,CCK for DSSS 802.11g:BPSK,QPSK,16QAM,64QAM for OFDM 802.11n:BPSK,QPSK,16QAM,64QAM for OFDM 802.11a:BPSK,QPSK,16QAM,64QAM,for OFDM 802.11ac:BPSK,QPSK,16QAM,64QAM,256QAM,for OFDM Bluetooth:GFSK, $\pi/4$ -DQPSK and 8-DPSK
Interface	USB2.0
Supply Voltage	3.3V±0.2V
Dimension	55 (mm) *33 (mm) *3.15(mm)
Operating Temperature	-10°C to 70°C
Storage Temperature	-40°C to 85°C

3. RF output power

	Band	Limited power
BT	2402MHZ-2480MHZ	0-20
WIAN	2412MHZ-2472MHZ	<20
	5150MHZ-5850MHZ	

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. 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.

FCC ID:SARMW510

6. 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.

7. 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: SARMW510 To satisfy IESD exterior labeling requirements, the following text must be placed on the exterior of the end product " Contains Transmitter module IC: 27123-MW510



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.

	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

Manufacturer: QingdaoHisense Communication Co., Ltd.

Address: 218 Qianwangang Road, Qingdao Economic & Technological Development Zone, Qingdao, China

Importers:

Hisense France SAS

Address: 9 Rue des 3 Soeurs, 93420 Villepinte, France

Hisense Iberia, S.L.U

Address: Ronda Auguste y Louis Lumiere. 23 Nave 12. Edificio Lumiere - Parque Tecnológico 46980

Paterna (Valencia) - Spain

Hisense Italia S.r.l

Address: Via Montefeltro, 6/A, 20156 MILANO

Hisense South Africa

Address: The Estuaries, Building 17 Oxbow Crescent, Century City, Cape Town, SouthAfrica

8. IC Statement

- i、 the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;Footnote4
- ii、 for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
- iii、 for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate; and
- iv、 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."

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: 27123-MW510

EU DECLARATION OF CONFORMITY

It is hereby declared that following designated product:

Product Type:	BT/Wi-Fi Module	Product colour image 
Model No:	MW510	
Product Description:	BT/Wi-Fi Module	
Software version:	---	
Hardware version:	V1.00A	

Complies with the essential protection requirements of Directives on Radio Equipment Directive 2014/53/EU.

The assessments were based on the following regulations and standards:

Requirement	Standard	Report No.	Assessment Body
Health and safety	IEC 62368-1:2014 and/or EN 62368-1:2014+A11:2017 EN 62311:2020 EN 50383:2010 EN 50385:2017 1999/519/EC	SRTC2021-9003(R)-0002 SRTC2021-9004(R)-21061502(I)	PHOENIX Test Lab (Notified body 0700) certificate:
EMC	ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-3 V2.1.1 (2019-03) ETSI EN 301 489-17 V3.2.4(2020-09)	SRTC2021-9003(R)-0034	
Radio Spectrum	ETSI EN 300 328 V2.2.2 (2019-07) ETSI EN 301893 V2.1.1 (2017-05) ETSI EN 300 440 V2.2.1 (2018-07)	SRTC2021-9004(R)-21061502(D) SRTC2021-9004(R)-21061502(E) SRTC2021-9004(R)-21061502(F) SRTC2021-9004(R)-21061502(G) SRTC2021-9004(R)-21061502(P)	

This declaration is the responsibility of the manufacturer:

Qingdao Hisense Communication Co., Ltd.
No.218, Qianwangang Road, Economic and Technological Development Zone, Qingdao, Shandong
Province, China

Authorised person signing for the company:

Li Hao **PM (Title)** of Qingdao Hisense Communication Co., Ltd.

Name in block letters & position in the company

Qingdao, **July 6, 2021**

Place & date

Li Hao

Legally valid signature