

Shenzhen Chuangwei-RGB Electronics Co., Ltd.

PMN:2T2R Wi-Fi + Bluetooth Module

Model: T7663B2

This product can support USB2.0 protocol, based on the IEEE802.11 a/b/g/n/ac standard design. With all the way to send and receive all the way (2T2R) dual channel work, maximum transmission rate of up to 867 Mbps. Ensure that users browse and download data flow, security and stability.

T7663B2-7K5L wireless Wi-Fi USB peripheral product support Windows XP/Vista / 7 / Linux operating system. In SKYWORTH TV, have complete embedded in the product and the driver, without user to install, and at the same time support Linux and Android.

Used in TV production operation is as follows:

1. Turn on the TV, switch to the "home page" interface;
2. Select "Settings" feature. "OK" to enter;
3. Select "network setup" function. "OK" to enter;
4. Choose the "wireless network", "OK" to enter;
5. According to the needs, select "auto search", "manual connection", etc. Press the "OK" to enter;
6. Choose their own after the AP name "OK" to enter, Enter the password;

Television system has the memory function, for the first time to use should be according to the above steps, later need not operation, boot automatically connected. If need to change the AP or change the mode of connection, need according to the above steps again;

FCC Notice:

The device complies with the FCC rules, Part 15. 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 instruction manual, 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:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be located or operating in conjunction with any other antenna or transmitter.

ISED Notice:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L' émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d' Innovation, Sciences et Développement économique 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 Radiation Exposure Statement:

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and any part of your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme aux limites d' exposition aux rayonnements ISED établies pour un environnement non contrôlé. L' utilisateur final doit suivre les instructions spécifiques pour satisfaire les normes.

Cet équipement est conforme aux limites d' exposition au rayonnement d' ISD établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et toute partie de votre corps. Cet émetteur ne doit pas être co-localisé ou exploité conjointement avec une autre antenne ou émetteur.

USERS MANUAL OF THE END PRODUCT:

Integration instructions for host product manufacturers according to KDB 996369 D03 OEM

2.2 List of applicable FCC rules

This module meets the requirements of FCC part 15C (15.247&15.407).

2.3 Summarize the specific operational use conditions

This module is stand-alone modular. If the end product will involve the Multiple simultaneously transmitting condition or different operational conditions for a stand-alone modular transmitter in a host, host manufacturer have to consult with module manufacturer for the installation method in end system.

2.4 Limited module procedures

Not applicable

2.5 Trace antenna designs

Not applicable

2.6 RF exposure considerations

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

2.7 Antennas

This radio transmitter FCC ID: 2ANM3T7663B2 has been approved by Federal Communications Commission to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

2.4G WIFI antenna

Operating Frequency:	802.11b/g/n 20: 2412~2462 MHz 802.11n(40MHz):2422~2452MHz
Antenna Type:	WIFI_ANT1/2: On-board Antenna
Antenna Gain:	2.4G_WIFI_ANT1/2: 3.01dBi;

BT/BLE antenna

Operating Frequency:	2402MHz to 2480MHz
Antenna Type:	On-board Antenna
Antenna Gain (Peak):	3.01 dBi;

5G WIFI antenna

Operating Frequency:	5180-5825MHz
Antenna Type:	WIFI_ANT1/2: On-board Antenna
Antenna Gain:	WIFI_ANT1/2: 5150MHz to 5350MHz: 3.08 dBi, 5470MHz to 5725MHz: 3.28 dBi, 5725MHz to 5850MHz: 2.55 dBi

Added antenna specifications:	
Operating Frequency:	Bluetooth: 2402MHz to 2480MHz
	Wi-fi 2.4G ant1/2: 2412~2462 MHz
	Wi-fi 5G ant1/2: 5180-5825MHz
Antenna type	Bluetooth: PCB antenna

Gain	Wi-fi 2.4G ant1/2: PIFA antenna
	Wi-fi 5G ant1/2: PIFA antenna
	Bluetooth: 4.30dBi
	Wi-fi 2.4G ant1/2: 2.37 dBi
	Wi-fi 5G ant1/2: 5150MHz to 5350MHz: 4.39 dBi, 5470MHz to 5725MHz: 4.72 dBi, 5725MHz to 5850MHz: 4.26 dBi

2.8 Label and compliance information

The final end product must be labeled in a visible area with the following " Contains TX FCC ID:2ANM3T7663B2 ". If the size of the end product is larger than 8x10cm, then the following FCC part 15.19 statement has to also be available on the label: This device complies with Part 15 of 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.

2.9 Information on test modes and additional testing requirements

Host manufacturer is strongly recommended to confirm compliance with FCC requirements for the transmitter when the module is installed in the host.

2.10 Additional testing, Part 15 Subpart B disclaimer

Host manufacturer is responsible for compliance of the host system with module installed with all other applicable requirements for the system such as Part 15 B.

Industry Canada Statement

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;

Le dispositif utilisé dans la bande 5150-5250 MHz est réservé à une utilisation en intérieur afin de réduire le risque de brouillage préjudiciable aux systèmes mobiles par satellite dans le même canal;

RSS-Gen Section 8.4 User manual notice

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- 1) This device may not cause interference.
- 2) This device must accept any interference, including interference that may cause undesired operation of the device.

RSS Gen section 8.4 notice d'utilisation

Cet appareil contient un émetteur / récepteur sans licence conforme au CNR sans licence d'innovation, sciences et développement économique Canada. Les opérations sont soumises aux deux conditions suivantes:

- 1) Cet appareil peut ne pas causer d'interférences.
- 2) L'appareil doit accepter toute interférence, y compris celles qui pourraient entraîner un fonctionnement accidentel de l'appareil.

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.

Cet appareil est conçu uniquement pour les intégrateurs OEM dans les conditions suivantes: (Pour utilisation de dispositif module)

- 1) L'antenne doit être installée de telle sorte qu'une distance de 20 cm est respectée entre l'antenne et les utilisateurs, et
- 2) Le module émetteur peut ne pas être coïmplanté avec un autre émetteur ou antenne.

Tant que les 2 conditions ci-dessus sont remplies, des essais supplémentaires sur l'émetteur ne seront pas nécessaires. Toutefois, l'intégrateur OEM est toujours responsable des essais sur son produit final pour toutes exigences de conformité supplémentaires requis pour ce module installé.

IMPORTANT NOTE:

In the event that these conditions can not be met (for example certain laptop configurations or colocation with another transmitter), then the Canada authorization is no longer considered valid and the IC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate Canada authorization.

Dans le cas où ces conditions ne peuvent être satisfaites (par exemple pour certaines configurations d'ordinateur portable ou de certaines co-localisation avec un autre émetteur), l'autorisation du Canada n'est plus considéré comme valide et l'ID IC ne peut pas être utilisé sur le produit final. Dans ces circonstances, l'intégrateur OEM sera chargé de réévaluer le produit final (y compris l'émetteur) et l'obtention d'une autorisation distincte au Canada.

End Product Labeling

This transmitter module is authorized only for use in device where the antenna may be installed such that 20 cm may be maintained between the antenna and users. The final end product must be labeled in a visible area with the following: "Contains IC: 23165-T7663B2".

Ce module émetteur est autorisé uniquement pour une utilisation dans un dispositif où l'antenne peut être installée de telle sorte qu'une distance de 20cm peut être maintenue entre l'antenne et les utilisateurs. Le produit final doit être étiqueté dans un endroit visible avec l'inscription suivante: "Contient des IC:23165-T7663B2 ".

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.

L'intégrateur OEM doit être conscient de ne pas fournir des informations à l'utilisateur final quant à la façon d'installer ou de supprimer ce module RF dans le manuel de l'utilisateur du produit final qui intègre ce module.

Le manuel de l'utilisateur final doit inclure toutes les informations réglementaires requises et avertissements comme indiqué dans ce manuel.