Shenzhen skyworth RGB electronic co., LTD.

Model: NTUD - U21

Operation Instruction

Respect of customer, sincerely thank you for purchasing SKYWORTH equipped with wireless WIFI NTUD - U21 - type USB peripheral products.

This product can support USB2.0 protocol, based on the IEEE802.11 a/b/g/n BT5.0 standard design.   With all the way to send and receive all the way (2T2R) dual channel work, maximum transmission rate of up to 300 Mbps.Ensure that users browse and download data flow, security and stability.

NTUD - U21 wireless WIFI 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.

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/television technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

FCC Radiation Exposure Statement

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

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.

Regulation Information

1) List of applicable FCC rules:

FCC part 15.249

FCC part 15.247

FCC part 15.407

2) Summarize the specific operational use conditions

This Device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. The host product manufacturer should state this information to the host instruction manual.

3) Limited module procedures:

No applicable.

4)Trace antenna designs

No applicable.

5) RF exposure considerations

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment, and minimum of 20cm separation between antenna and body. The host product shall show the same or similar statement to the end

users.

6) Antennas

Antenna types not included in this list, having a gain greater than the maximum gain indicated

For that type, are strictly prohibited for use with this device.

Antenna type: Integral Antenna

Bluetooth Antenna Max. Gain: 2.0dBi

Each 2.4G WIFI Antenna Max. Gain: 3.1dBi

Each 5G WIFI Antenna Max. Gain: 2.26dBi

7) Label and compliance information

The end product must carry a label stating "Contains Transmitter Module FCC ID: 2ANM3NTUDU21" or shall use e-labeling.

8) Information on test modes and additional testing requirements

The host manufacturer can use the software "MPTool, Version: 9.02" and " RTLBTAPP, Version: 5.2.2.75 " for access to the test modes. Connected to the computer through the serial port of the host product, the channel and power controlling

software provided by the applicant was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the application and is going to be fixed on the firmware of the end product.

9) Additional testing, Part 15 Subpart B disclaimer

The modular transmitter is only FCC authorized for the specific rule parts (FCC Part 15.249&15.247&15.407) list on the grant, and that the host product manufacturer is responsible for compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certification. The final host product still requires Part 15 Subpart B compliance testing with the modular transmitter installed when contains digital circuity.

10) The device is going to be operated in 5150~5250MHz frequency range. It is restricted indoor environment only.

11) The device working temperature 0℃ to +60℃

12) The device working voltage 3.3V±10%

13) 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.