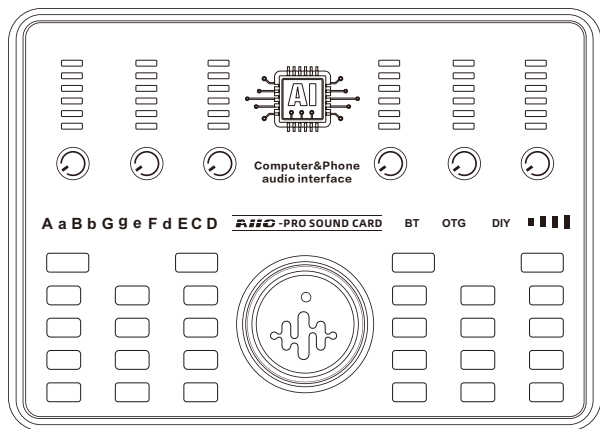


PROFESSIONAL AUDIO LIVE SOUND CARD

USER MANUAL



Model number: AI10-PRO SOUND CARD

A.AI10 phone and computer 48V sound card

Parameter

Data transfer: USB-C

Frequency response: 20Hz-20kHz

Total harmonic distortion: THD<0.05%1kHz

Headphone output power: 20mW, 32Ω (1kHz, THD+N=1%)

Sampling rate: 48kHz/16bit

Wireless connection: Bluetooth 5.3

Battery type: Lithium iron phosphate battery

Battery capacity: 3000mAh

Charging parameters: 5V/2A

Long charging time: about 3 hours

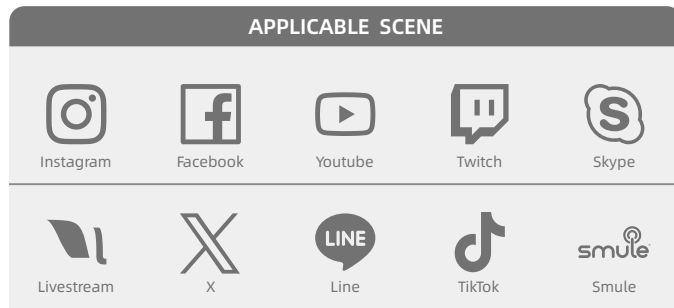
Usage time: about 6 hours

Product Size:Length 215* Width 155* Height 58mm (including keyboard height)

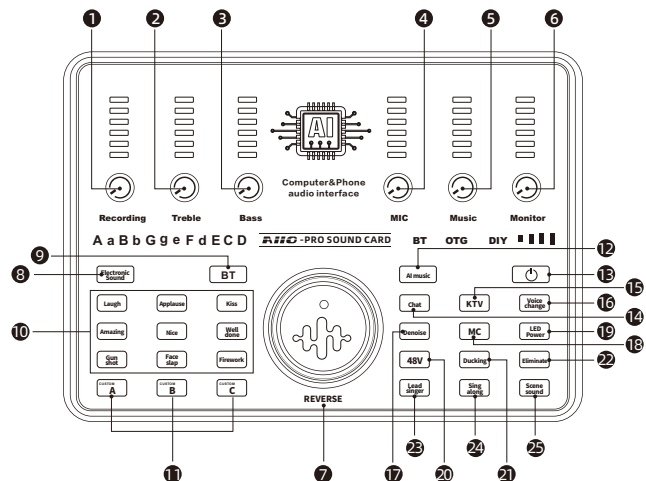
5v Mic interface:3.5mm	48v Mic interface:XLR	Live interface:3.5mm
Music interface:3.5mm	Headphone interface:3.5mm	Headset interface:3.5mm
Speaker interface:3.5mm	Digital live interface:Type-C	Computer interface:USB-Type-C

Applicable software APP:

TikTok, KWAi, YouTube, Facebook, Smule, Bigo ,Adobe Audition, Audacity, etc.



B.Control Panel Guide



KNOB : KNOB 1-7

- Recording:** The sound volume is controlled clockwise to control the sound card output to the audio volume of live broadcast 1-Live broadcast 2-Live broadcast 3 and OTG / computer output. Turn up the volume clockwise and reduce the volume counterclockwise.
- Treble:** The treble pitch increases the high frequency by adjusting the knob to the right to compensate for the insufficient treble pitch as bright and clear.
- Bass:** The bass increases the low frequency by adjusting the knob to the right, and compensates the bass for the thick and full sound.
- MIC:** The microphone volume control knob adjusted to the right or left can increase or decrease the volume size and pickup distance of the microphone.
- Music:** External connected devices or mobile phone Bluetooth input background music, mobile phone or computer media volume increase or decrease, the knob and right music knob can increase or reduce the background music volume.
- Monitor:** Monitor the size of the total volume (music, microphone, sound effects), and can control the volume output of the headphone or speaker.
- Reverse:** Turn the control knob clockwise, adjusting the reverbation depth of the microphone input sound, and the size of the reverbation space, similar to the effect of KTV.

BUTTON: Button 8-25

- Electronic Sound:** 12 kinds of electric sound tone (A a B b G g e f d E C D) is suitable for the recording of electric sound songs and K songs;
- BT:** The Bluetooth function is automatically open when the sound card is turned on. For example, when you need play background music by Bluetooth, the mobile phone will open the Bluetooth search device AI10, and the Bluetooth indicator light will stop flashing after successful connection.
- Sound effects:** Preset 9 sound effects (Laugh, Applause, Kiss, Amazing, Nice, Well done, Gun shot, Face slap, Firework) Free to switch sound effects in different scene.

- A B C-Custom effects:** A B C is an open custom effects, provide personalized sound effects to create new ideas. The use methods are as follows:
 - Short press button A once to hear the prompt sound "di", and the lights are flashing, about 15 seconds to finish the audio recording.
 - The lights stop flashing after finished the recording;
 - Short press A to listen to the just recorded audio;
 - Delete the previous recordings, just press button A for 3-4 seconds, the prompt sound "di", you can record the audio again;
 - After finished a custom audio recording, if you need to record the B or C custom button, press the steps 1-2-3 to operate in turn.
- AI MUSIC:**

This is an AI tool that provides wireless Bluetooth voice for broadcast the songs, used as follows:

 - The phone of broadcast music opens the Bluetooth to search for AI10 and matches the connection successfully.
 - Short press the AI music button + please say the ENGLISH command (like Play the song "Beat it"), please adjust the language of your mobile phone to English before playing the command.
 - Each time you use it, press "AI music", and then give the command to play the song on phone music platform.
 - If you are speaking in Spanish, first set the mobile phone language to Spanish+ please say the Spanish command (Por ejemplo, reproduce musica "beat it").
 - French and German or other language operate in the same steps;
 - Play AI voice music in the APP of Spotify, YouTube music, Tidal, Apple music, Line music; so improve the convenience of live playing background music, increase the interest of the experience, and love live singing.
 - Note: When using this function on iPhone, press "AI Voice" first and then call "Hey Siri". Please play the song "Beat it" on Apple Music.
 - Add APPS such as: Apple Music, LINE Music or Youtube Music to play accompany music in the "Shortcuts" of Apple phone.
- Switch power button:** Internal record POWER: Press the button for 3 seconds to open the sound card with the prompt sound "Power on", and press power again to turn off the sound card with the prompt sound "Power off".

Internal record: This is only applicable when the computer web version cannot recognize the sound card during live broadcast. This function can be ignored when recording on the mobile phone.

When the sound card USB cable is connected to the computer, press the power button again to prompt the sound to "Turn on the Internal recording", in order to match and be compatible with the webcast recording line output.
- Chat:** When pressing the chat mode, there is no reverbation effect, which is suitable for broadcast recording, video conferencing and online teaching;
- KTV:** The default singing mode is boot, which is suitable for singing and recording audio videos. The adjustment to Treble- Bass and reverb gains makes the sound work great.
- Voice change:** Four voice change modes (Female, Male, Children, Magic voice,) which is suitable for game anchors and funny audio production; short press KTV mode, you can cancel the voice change mode.
- Noise:** Noise reduction mode can automatically denoise the background noises from being recorded into the microphone, allowing our singing and live broadcast to not be affected by environmental noises. This function is turned on by default when the sound card is turned on, and the noise reduction button light turns on.
- MC:** The MC mode is suitable for rap & rock songs, while combining treble bass and reverbation to make the fast-paced sound deep and thick.
- LED Power:** The lighting effect of the main control sound card, adjust the singing atmosphere, and set the LED lights power on and off.
- 48V:** When the XLR interface microphone is inserted, when the sound card recognizes the microphone and activates the microphone, the 48V power supply is turned on by default at startup. Press the button to control the phantom power supply of the XLR interface microphone on/off. It will mute the entire system for 2 second to 3 second and remove the POP sound.
- Ducking:** When this mode is turned on during live broadcast on the mobile phone or computer, the sound card will automatically lower the volume of the background music to highlight the host's voice, which is suitable for live broadcast chat scenarios.
- Eliminate:** This mode can eliminate the original vocal part of the musical songs, retain the music accompaniment, convenient for users to play karaoke songs live, suitable for live recording of short video production.
- Lead singer:**

Lead singer function needs to be used on playback music platforms (YouTube music, JOOX music, Tidal, Spotify, Amazon music, Apple music, Shazam music and other software)

Host: The first 30 seconds of the song listening is the original song, 31 seconds later, the host and fans hear the accompaniment music.

Fans: The voices I heard in the studio are accompaniment music.

Function: let the singer by the original singer lead the beginning segment, K-song not stage fright, singing easily perform to the audience and live broadcast.
- Sing along:**

The Sing along function needs to be used on music platforms (such as YouTube music, JOOX music, Tidal, Spotify, Amazon music, Apple music, Shazam music and other software)

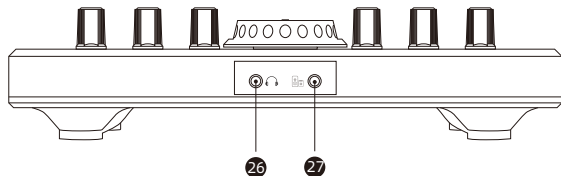
Host: Monitoring headphones to hear all the time is the sound of the original music;

Fans: In the studio all the time fans heard is the sound of the accompaniment music;

Function: The original singer, with the Host K-song, provides beginners to monitor the original music and sing the song, and quickly understands the audio tone of the song, while the fans in the live broadcast room hear the accompanying music.
- Scene sound:**

There are three singing modes: Popular, Rock, Classical (the last prompt sound is the sound effect off) to enrich the multiple styles of live singing, which can be switched according to the needs.

Connection of audio interface:26-27

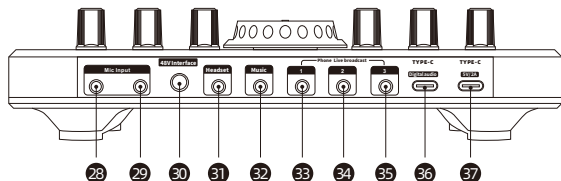


26 Headphone:

Listen to the earphone 3.5mm interface, can use headphones to monitor the mixing effect of the sound card, is the sound output jack of the sound card.

27 Speaker:

Listen to the speaker 3.5mm interface, can use speaker to monitor the mixing effect of the sound card, is the sound output jack of the sound card.



28 Microphone 1:Microphone 1 interface supports 3.5mm condenser microphone input, which can be matched with 5V interface condenser microphone or wireless microphone.

29 Microphone 2:Microphone 2 interface supports 3.5mm condenser microphone input, which can be matched with 5V interface condenser microphone or wireless microphone.

30 48V Microphone:48V microphone is connected to mini XLR microphone interface, which supports the microphone input of 48V microphone plug interface. Because the sound card is built-in power supply, it can provide 48V phantom power support through 48V button switch.

31 Headset: Headset is a kind of headset with a microphone to adjust the size of the sound, can either monitor the sound or can be used independently as a microphone.

Note: When using the headset, avoid noise from using the wired or wireless microphone, and the headset is used independently. 32 Music: The music interface connects the external audio source accompaniment or musical instrument equipment to the sound card through the 3.5mm audio line to play the accompaniment of background music during the live broadcast.

33-34 Live 1, Live 2, Live 3:

The Android phone comes with a 3.5mm headphone interface through the audio cable connect with the live streaming 1 interface to transfer the sound of the sound card to mobile live streaming devices.

This sound card provides phone 1-2-3 live broadcast interfaces with the same function, which can support multiple platforms at the same time.

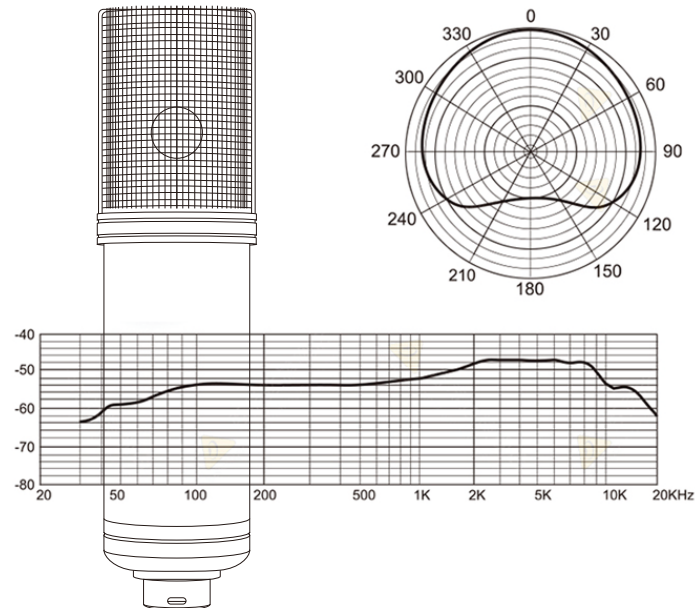
35 OTG/ Computer:OTG/computer data interface,can be used for audio signal up and down, Support matching computer (USB-C), Android phone(Type-C)or iPhone(Lightning-C)interface,matching only one OTG device is supported. Digital transmission is lossless audio recording, which is clearer than the 3.5mm audio interface recording sound effect.

36 Charge 5V / 2A:This interface is only responsible for charging the external power supply to the machine, such as the charger, DC 5V / 2A adapter, power bank etc.

D.Condenser Microphone Parameter

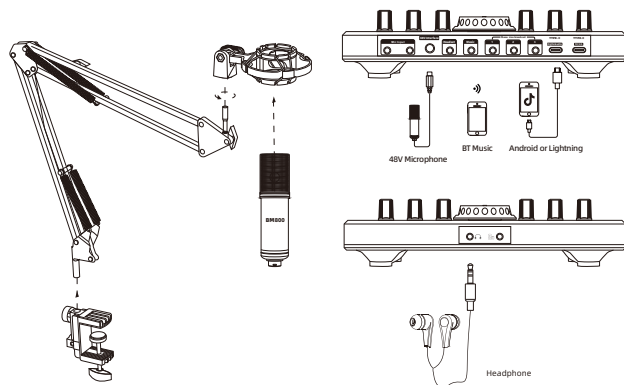
Parameters of microphone:

Sensitivity: -36 ± 1dB	Output impedance: 2.2KΩ
Current: 150-550uA	Step-down sensitivity: -2dB
Working voltage: 1.5-10V	Frequency range: 100-15 kHz
Maximum input sound pressure level: 130dB	Directivity: Cardioid direction

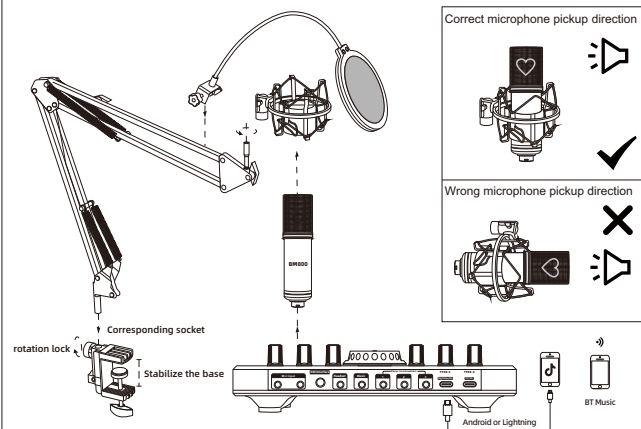


D. Microphone and NB35 arm stand of installation

BM800+Boom Arm Scissor Mic Stand+AI10 Sound card installation:

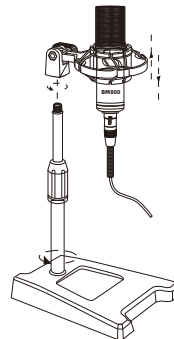


BM800+Boom Arm Scissor Mic Stand+Pop Filter+AI10 installation:

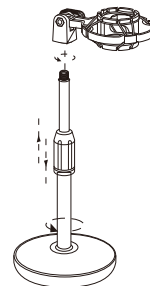


E. installation of desktop stand (A-Base, Round Base, Desktop Microphone Stand, Mic Stand Tripod and phone desktop Ring Light)

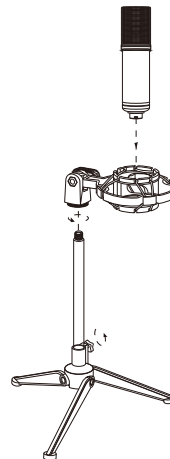
Installation diagram of A-Base microphone stand



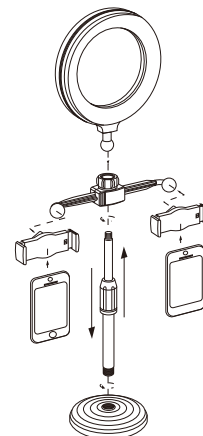
Installation diagram of Round Base microphone stand



Desktop tripod installation diagram

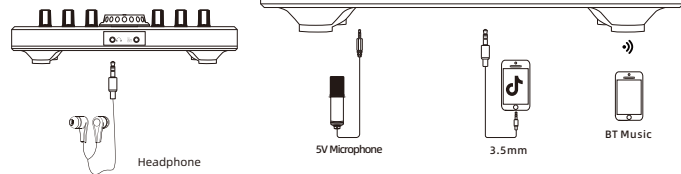


Installation diagram of Two-phone desktop Ring light

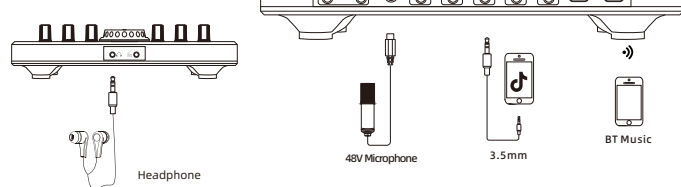


F. How to connect the mobile phone or computer

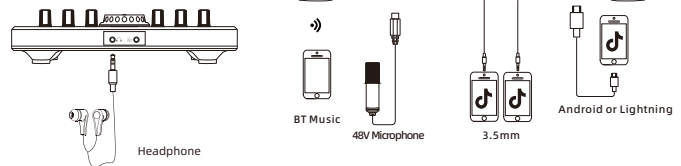
1. Mobile phone connection live broadcast 1 (3.5mm white cable double-head) and 5V microphone + Bluetooth music + Headphone



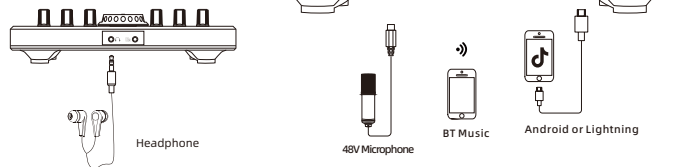
2. Mobile phone connection live broadcast 1 (3.5mm white cable double-head) and 48V microphone + Bluetooth music + Headphone



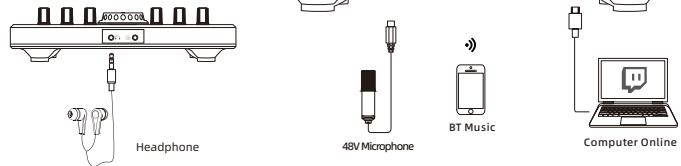
3. Three mobile phones live broadcast, respectively connect LIVE 1 and LIVE 2 and OTG (Android connected to Type-C or Apple cable) + 48V microphone + Bluetooth music + Headphone.



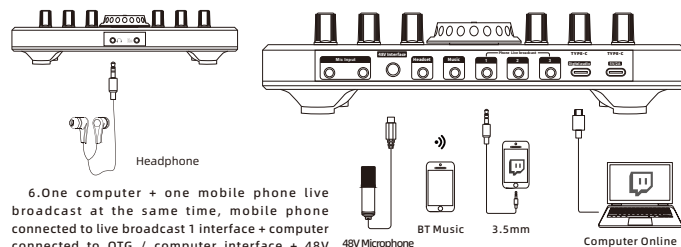
4. Common mobile phone live broadcast connection, OTG interface (Android Type-C or Apple cable) + 48V Microphone + Bluetooth music + Headphone



5. Common computer live broadcast connection, OTG interface (black USB data cable) + 48V microphone + Bluetooth music + Headphone

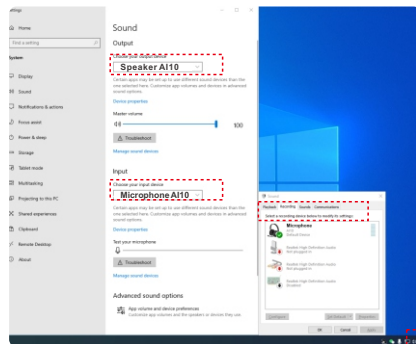


6. One computer + one mobile phone live broadcast at the same time, mobile phone connected to live broadcast 1 interface + computer connected to OTG / computer interface + 48V microphone + Bluetooth music + Headphone



G. Computer live broadcast recording and singing connection diagram

- 1 Right-click on the speaker, and click on the sound
- 2 Click "Playback" to check whether the Speaker default to Ai10
- 3 Click "Recording" to check whether the Headphone Mic is default to Ai10
- 4 Click on the "Sound setting" to adjust the volume of the output speaker.
- 5 Adjust the volume of the input microphone



How to connect Bluetooth accompaniment on mobile phone:

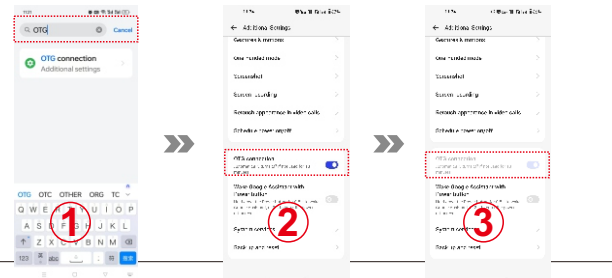


H.Common problems of mobile phone OTG connection

Conventional mobile phones have the OTG function enabled by default. For older phone models such as Apple 6, Apple 7, Xiaomi, OPPO, VIVO, Redmi, etc., you need to find the search (add search icon) OTG or USB in the phone settings, which will prompt you to turn on the OTG mode. Then restart the sound card device to connect the OTG function. Please check the OTG enabled function before each use, and then record live K-songs.

The operation steps to open the OTG are as follows:

- 1 Mobile phone setting, Search for OTG and turn on the function
- 2 After matching, then connect to the OTG audio line of the mobile phone
- 3 The OTG cable connects to sound card and mobile phone interface respectively



I.Common problems and precautions

Problems and solutions of equipment not working after opening sound card

Please check whether the connecting wires of all connected devices are connected correctly. Please check whether the device has enough power. Please fully charge before use and open it again.

Heard the noise during live broadcast.

Properly turn down the microphone volume to avoid noise caused by excessive volume. Check that the microphone and headphones are fully inserted into the opposite position. Unable to monitor microphone sound. Monitoring is output through external headphone or speaker equipment. Please check whether it corresponds to the sound card the socket connection is successful. Turn the knob to the right to increase the volume of the monitor and microphone.

There is no sound or noise when using the headphone

Please try plugging in and out the headphone again, and plug in the headphone before turning on. Check whether the monitor is on.

When the iPhone cannot connect to the sound card:

1. First open the phone Settings to find the USB accessory in the ID or password, and turn it on.
2. You need to unplug and plug the lightning cable into the sound card again, or change the direction of lightning cable and plug it into the sound card, and test it repeatedly, so that the phone are compatible with the sound card.

***Note:** Apple phones 7 and above need to use the original adapter interface (lightning interface), if necessary, please contact customer service to purchase.

If the above problems cannot be solved, please contact the after-sales customer service. Thank you for your cooperation

FCC Warning

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.

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

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 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.