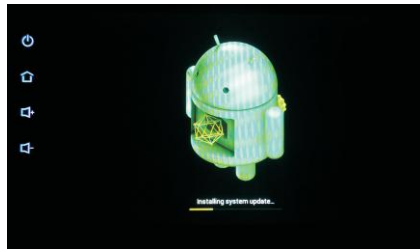
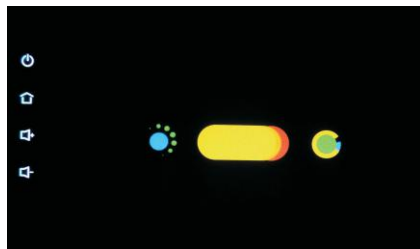




System will run firmware installing for 10 - 20 minutes. Please be patient!

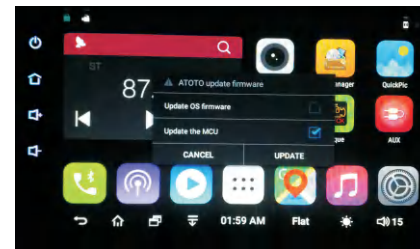


After firmware installing, it will restart and finally finish update.

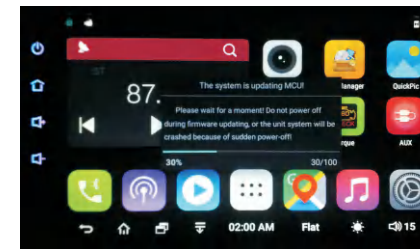


The MCU firmware update process

Select 'Update the MCU' and then press UPDATE to start MCU firmware update.



The System will update MCU firmware automatically, and it takes about 2 minutes for the whole process.

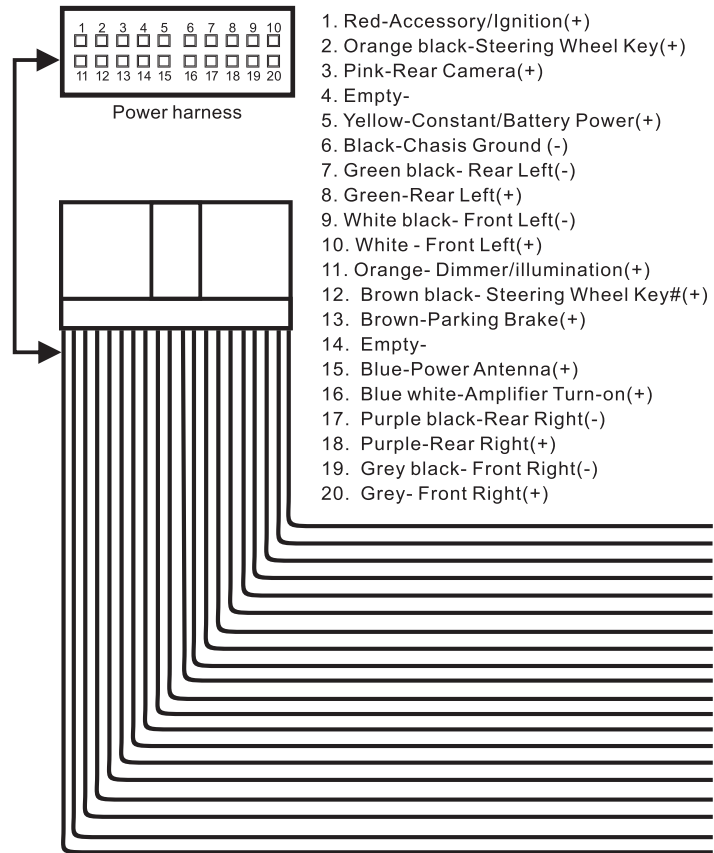


ATTENTION:

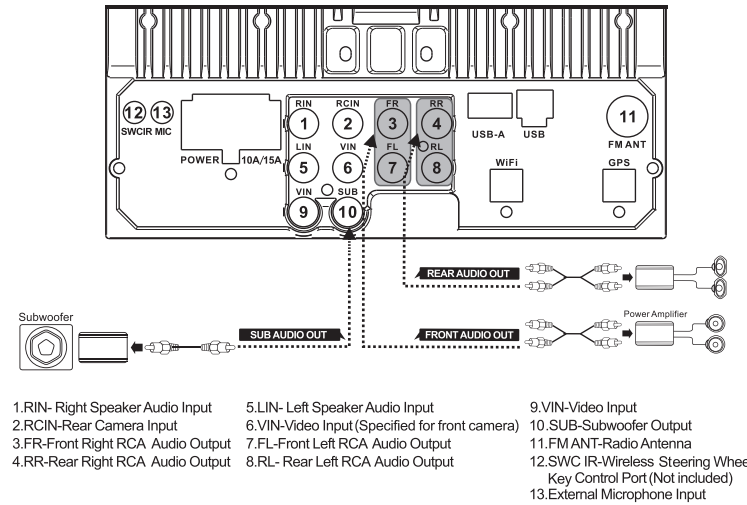
- If the Micro SD or USB drive loaded with firmware stay in the unit, even after all the update finish, the system may still scan the external storage device and prompt a window for user to select update or not. In such case, please just cancel and exit this window, and take away your USB drive or MicroSD device. Or else you just repeat all the same procedure as above.
- To verify if your system has been successfully updated, enter system settings and check if the Build Number or MCU version has been updated to the latest one.



● Power cord(Pin Interface)



● Audio & video connection



● Power harness connection

Precautions for making connections:

- (1) **To a common ground(earth) point (PIN 6)**
First connect the black ground (earth) lead then connect the yellow and red power supply leads.
- (2) **To the power antenna(ANT) control lead or the power supply lead of the antenna booster(PIN 15)**
It is not necessary to connect this lead if there is no power antenna or antenna booster or with a manually-operated telescopic antenna from the original car. But if there is power antenna or booster, it must be connected. If not connected, the radio signal will be weak and there may be no or few stations received.

(3) To the parking brake switch cord(PIN13)

Normally it is not necessary to be connected. But in some countries, it is against the rule of law that watching videos while car in motion.

(4) To a car's illumination(ILL) cord(PIN 11)

Be sure to first connect the black ground lead to a common ground point. It is connected to the original car ILL lead correspondingly. If connected, the background light of the unit will be shifted to night mode (dimmer) after the headlight is turned on.

(5) To existing analog singal steering wheel control keys only (PIN 2) (PIN 12)

Assure firstly that the black ground lead is connected to a common ground. If the car has one wire, connect either of two keys(PIN2 or 12).If the car has two wires, connect both PIN2 and PIN12 to them,either one to either car wire.

(6) To the amplifier control lead(PIN 16)

This provides for cars with an additional amplifier installed. If there is no additional amplifier, this connection is not made.

(7) To the rear camera car lead(reverse camera input)(PIN 3)

The lead is for reverse camera signal input.

(8) AUX-in can only be used for audio or video input and cannot be used for rear view camera.

(9) To the CANBUS-TX (PIN 4) and CANBUS-RX(PIN14)

These two leads are empty and left for future special OEM model. The double din universal power harness will not apply these two leads.

Before the product installation

- (1) Make preparations in advance if installation requires drilling holes or other modifications of the vehicle.
- (2) Before making a final installation of this product, temporarily connect the wiring to confirm that the connections are correct and the system works properly.
- (3) When connecting wires, ensure the connected wires are taped with insulating tape, including USB connectors. Do NOT allow any bare wiring to remain exposed.
- (4) To avoid short-circuit, cover disconnected wires with insulating tape. It is especially important to insulate all unused speaker leads, which if left uncovered may cause a short circuit.

● Product Installation

There are two types of in-car entertainment from ATOTO, (1) vehicle aftermarket specific model and (2) universal double din.

The installation preparation for the two types are different.

(1) For vehicle aftermarket specific model, ATOTO will provide necessary hardware items, such as power cable, USB cables, etc.

The vehicle aftermarket specific model product will be sized to fit the user's specified special car.

(2) For universal double din, the installation process is quite complex and require professional skills. Below are some basic suggestions for the universal double din installation:

Get the right installation kit?

Get the right power harness and make harness connection as suggested method.



For example, the product's face frame size is 173X97MM, the internal size of the installation kit frame must be 173X97MM.

The power cable must be taped to avoid short-circuit, especially dash camera USB cable.

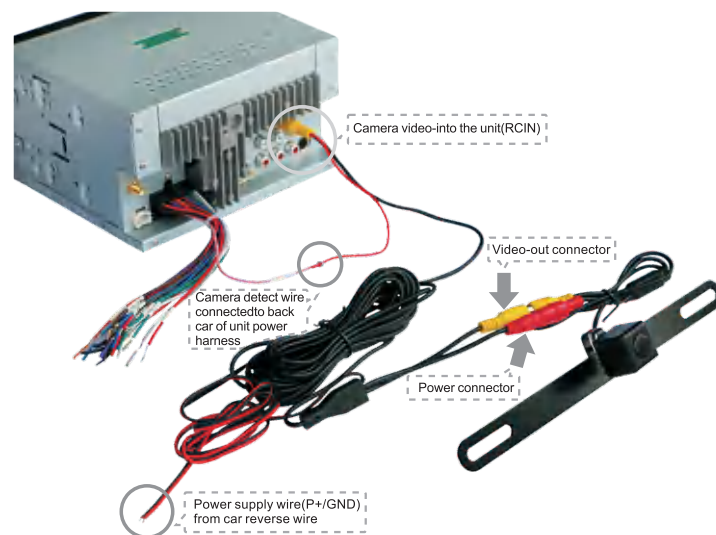
Install the product on the vehicle console as the suggested position.

⚠ Warnings!

Do not take any steps to tamper with or disable the parking brake interlock system which is in place for your protection. Tampering with or disabling the parking brake interlock system could result in serious injury or death.

● Accessory installation (Sold separately)

Rear view camera installation

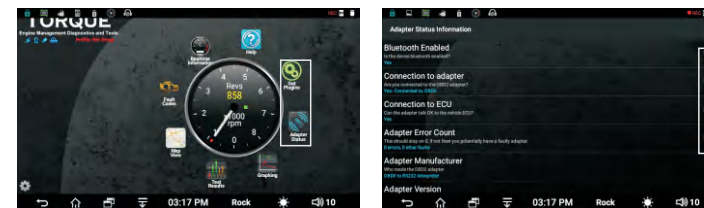


● OBD2

The function of OBD2 device is to transmit the vehicle's operating and performance data to the unit's screen. This is accomplished via Bluetooth, whose default pin code is 1234. The procedure for the connection is show below:



- (1) Plug ATOTO OBD2 device into the vehicle's OBD interface.
- (2) Connect OBD2 device to the Bluetooth2 of the unit (Refer to Bluetooth section herein)
- (3) Check Torque App for connection status.



ATTENTION:

- Different OBD device may have different app and connecting methods. Bluetooth2 is specially designed for OBD data transmitting. Bluetooth1 will fail to connect.

● USB Dashboard Camera

The USB dash cam is recommended to be mounted behind the rear view mirror.



ATTENTION:

- And the USB interface of dash camera must be taped firmly to avoid loose connection while vehicles in motion.

● Remote Steering Wheel Controller

The remote steering wheel controller is wireless and is designed for those vehicles that do not have original steering wheel control keys.

Fasten it in the desired place on the steering wheel. A good mounting example for right handed drivers is shown below.



If you have problems operating this product, refer to this section. The most common problems are listed below, along with likely causes and solutions. If a solution to your problem cannot be found here, contact support department directly by the email at support@myatoto.com.

Problems	Reasons	Solutions
Problems with first start-up.	Wrong power cable connection.	Check the wire B+ /ACC GND connection.
	The fuse is burned out	Install a new 10A fuse at the back of the unit.
The screen is not responsive to touch.	The unit is in reverse camera view status.	Change gears out of reverse.
	It is caused by unknown apk.	Reset the system.
No sound.	The unit is mute.	Cancel mute status.
	The speaker negative wire lead is connected to the metal parts of the car's body.	Reconnect the speaker negative wire lead to the power cable negative speaker wire of the unit.
	The system sound is mute or the car comes with an amplifier that is not correctly connected.	Switch on the system sound. If the car comes with an amplifier, offer details, such as car make, model year, original car amplifier model, after-market amplifier model or even the accessories used on the amplifier etc to the email: support@myatoto.com ATOTO support team will respond and give professional solutions as soon as possible.
There are no radio stations.	The radio antenna is not connected, or the active radio antenna is not powered, or use TA to search FM or AM stations.	Check the radio antenna connection, or connect the active radio antenna wire to auto-ANT of the power harness, or switch off TA function and search the stations again.

Problems	Reasons	Solutions
Radio station is noisy.	The radio signal is interfered by the same frequency from other device.	Stop the device and try again.
The phone's Bluetooth can't be connected to the product.	The phone is not compatible to the unit or the communication between the two Bluetooth goes wrong.	Email the phone exact model number to support@myatoto.com , or switch on or off the phone and the product Bluetooth to try the connection again and also make sure the phone Bluetooth is set to visible status.
Problem with Bluetooth phonebook download.	Access to the smartphone's phonebook is denied accidentally by incorrect operation.	Enable access to the smartphone's phonebook again by reconnect.
Bluetooth music can't be streamed.	The smartphone's music player is not opened, or the Bluetooth and WiFi hotspot is connected at the same time and sometimes they both send same frequency, which will interfere each other.	Open the smartphone's music player or reconnect both devices and try again.
Problems with GPS and the map cannot run.	Wrong connection steps (connect power cable and then GPS antenna)damaged the GPS antenna.	Change GPS antenna (Connect power cable and then connect the GPS antenna).
	The GPS signal is interfered with other device.	Stop the device interference.
	Wrong GPS antenna placement causes GPS signal reception problem.	Place the GPS antenna on the suggested place, such as A pillar or dashboard near windshield.
	The GPS signal is weak because of the tall buildings.	Move the car to an unobstructed open place.

Problems	Possible reasons	Solutions
The WiFiconnection is in saved status and not connected.	The unit is not detecting correct MAC address right now.	Reset or restart the unit to detect again.
Download speed is slower than normal even if the WiFi is well connected.	The WiFi signal goes weak at this moment or some other apps are consuming huge data now or the system network meet a problem.	Reconnect WiFi or reset or restart the unit or change another location to try the mobile network.
For every time start-up, It takes about 20 seconds not 2seconds.	Wrong power harness connection.	Check the power harness connection, especially the port B+, ACC and GND Refer to page 19 and 20 for detailed connection.
The product screen flashes and then goes blank, can't start any more.	The connection problem, which could be that the ACC wire is not connected to ignition wire.	Check to see whether the ACC wire is correctly connected. Refer to page 19 and 20 for detail connection section herein.
The touch screen is cracked or broken.	The screen is pushed hard while in installation.	Turn to ATOTO dealer or email to support@myatoto.com to order a replacement screen.
An app found in app store but can't be installed, it shows device not compatible.	The app has two versions: phone version can't be installed in tablet version.	Find tablet version for the apps
The audio or video file can't be played by the built-in player. But can be played by MX player.	The formats are not compatible with the unit.	Find another player in the app store, that can play the formats. ATOTO built-in player can only play free copyright files.

Problems	Possible reasons	Solutions
The screen image can't be shifted when the vehicle reverses.	The signal wire for reverse light status is not connected, or the rear view camera is not compatible with the unit.	The camera signal wire must be connected to the back car wire of the power harness. If not compatible, it is recommended that an ATOTO rear view camera be used (Sold separately).
The rear camera image is abnormal and reversed from right to left.	The rear view camera is not compatible with the product.	Switch on or off the <image reversed for rear camera> in default setting of system settings to change image direction.
The Easy-Connect app cannot go to next step while making connection.	The USB debug is not enabled or the drive mode APK is not installed successfully.	Enable USB debug in Developer settings and confirm the drive mode APK installation in the pop up the dialogue box.
There is no sound from the speakers while in Bluetooth call.	The hands-free call is mute or the listening position is not in center in the sound setting or the speaker wire is incorrectly connected, especially the front speaker wires.	Switch on Bluetooth call in sound setting, or adjust the listening position to the center in sound setting or double check the speaker wire connection and make sure the front speaker wires are connected to the front wire of the power harness.
The sound of some speakers is lower than normal or sounds insufficient.	the listening position is not in center or the speaker wire is incorrectly connected, or the vehicle has an amplifier, the amplifier sound is obtained from RCA audio out (the voltage is 2V), which can't power the amplifier within its endurable range.	Adjust the listening position to the center in sound setting or double check the speaker wire connection, or the amplifier sound must be obtained from the speaker wire of power harness. The line out converter must be applied.

Problems	Possible reasons	Solutions
The installation kit, especially frame, does not fit the product and the dashboard.	Different vehicles may require different size of frame and different adaptors.	Check the car make, model, year and its specification on Google and find the corresponding installation kit, or turn to support for help.
The app and its data can't be moved to the external micro SD.	The Android 6.0 or higher version has this function to move its app and data to external SD, which could cause the system instability.	ATOTO divides all the built-in flash into one disk, which can install apps and store its data. ATOTO also provides built-in 32G flash as an option for users who needs more space.
The preinstalled map doesn't work when the network is not enabled.	The offline map data has not been downloaded.	After the WiFi connection is enabled, go to the map setting menu on the map and choose the right geographical to download.
I can't use maps other than the preinstalled Google maps.	The map may need to be purchased before using.	A6 series supports all the maps downloaded from Google play store. Some maps are free, such as Google map and HereWeGo. Some maps need to be purchased before using after the trial days.
There is no front camera.	ATOTO doesn't provide front camera accessories standard with its product.	There are two ways to obtain front cameras: 1-ATOTO USB dashboard camera (Sold separately) 2-Aux video-in from the back RCA, the camera must work separately from the unit and only display the video image via the unit aux app.
The micro SD can't be inserted.	User may have the card turned around to the wrong side to insert it into the micro SD product slot, or needsto push the card in deeper.	Check the micro SD card side. The bare terminal contacts need to be on the right side for insertion or push the micro SD deep enough until the deck can clasp it.

Problems	Reasons	Solutions
The reverse view image is not stable.	The reverse view signal is interfered with by another signal.	Add filtering circuit (diode: 1N5822 Capacitor; 25V 3330uf) to reverse camera wire:
<p>Filtering circuit diagram</p>		
USB Dash cam is not working.	Use of wrong USB jack, or no storage card, or hot swapping, or use of other brand dash cam rather than ATOTO's.	Use ATOTO suggested USB jack, or find a storage card and try again, or exit DVR app and try again, or buy ATOTO dash cam and try again.

Problems	Reasons	Solutions
Steering wheel control is not working.	The connection of steering wheel wire is not connected or improperly connected.	Possible connection methods: Key plus GND or Key+ plus GND or Key plus Key+ plus GND (The vehicle has two keys) or combine Key Key+ plus GND (The vehicle has one key).
Steering wheel control is not working	The original car steering wheel control is working by CANBUS agreement and not supporting universal analog steering wheel, or the third-party steering wheel interface is incorrectly connected, or the programmed content is lost.	Report your car make, model year or the brand of the third-party steering wheel interface to ATOTO support team, or reprogram the steering wheel in the default setting of system setting.
It pops up security warnings or credentials when browsing a website	The system date and time is not correct	Set the correct date & time and try again after 20 minutes
APK can't be installed	The unknown sources and APP permission is not enabled in security setting	Enable the unknown sources and APP permission in security setting
WiFi data can't be streamed	WiFi is switched off	Switch on WiFi in system setup
3G dongle cannot stream data	The 3G dongle is not compatible, or the data plan is expired	Buy ATOTO suggested 3G dongles (such as HUAWEI E303, 3370, E1550), or offer the dongle model to ATOTO support team to check or to renew the data plan.

Problems	Possible reasons	Solutions
The speakers produce static.	The car comes with an amplifier. The speaker wire voltage of the power harness is $\pm 6V$ and if the amplifier wire voltage is lower, it needs a line out converter to bridge them, both a low-quality converter or no converter may produce static sound.	Find a line out converter, or change to a better quality line out converter.
The car ACC and B+ wire can't be found.	Some old vehicles didn't label it.	Use multi-meter to measure it, or search the car stereo information on google, Or turn to ATOTO support for help.
The frequency of the radio changes while playing a station.	The AF function is switched on, which keeps searching for stronger frequency for the same station.	Switch off AF function.

Specifications	
Part	Specifications
Operating System	Based on Android 6.0
CPU	CPU:Quad-core ARM® Cortex-A7 MPCore TM (1.5GHz)
GPU	Mali-450
Memory	RAM:1GB/2GB
	Internal Memory 16GB/32GB
	External Memory Micro-SD card slot: up to 256GB
Display	Size(inch): 6.2inch to 10.1 inch
	Resolution: HD(1024*600P)
	Brightness:600~1000cd/m ²
Radio	USA FM:87.5~107.9Mhz step:200Khz AM: 530~1710Khz step:10Khz
	Europe FM:87.5~108Mhz step:50Khz AM:522~1620Khz step:9Khz
	Japan FM76~99Mhz step:100Khz AM:522~1629Khz step:9Khz
Bluetooth 1 (Version 5.0)	Supported:HFP,HSP,A2DP,AVRCP,PBAP
	Phonebook Sync: Yes
	Qualcomm® aptX™ audio technology
	Frequency: 2.4G
	Power: 8.3mAh to 30mAh
Bluetooth 2 (Version 4.0)	Data Transmission: Yes
	Bluetooth Music: No
	Bluetooth Call: No
DSP Acoustics	IC Brand:TDA
	Acoustics 9 Bands:Flat Jazz Country Soft Classical Natural Dance Rock Pop
Built-in amplifier	VDD = 15.2 V, max POWER 49W / VDD = 14.4 V, THD = 10% 29W THD = 10% 24W / RL_amp = 4 Ω 6 to 18V / RL_amp = 2 Ω 6 to 16V

RCA Output	2V 1KHz R=10K Ω
Audio	Audio decode: WAV, MP3, MP2,FLAC ,APE AAC, AMR-NB, AMR-WB, MIDI, Vorbis, APE, AAC-plus v1, AAC-plus v2, FLAC, WMA, ADPCM
Video	- HEVC decoder : Main profile 1080p @30fps/40Mbps - H.264 decoder: Baseline 1080p @30fps/40Mbps - H.264 decoder: Main/high profile 1080p@30fps/40Mbps - MPEG-4 SP/ASP decoder: 1080p @30fps/40Mbps
WiFi Network	WiFi:802.11 b/g/n MAC/BB/RF WiFi HotSpot 2.0
GPS	Supports GPS/QZSS/SBAS (WAAS/MSAS/EGNOS/GAGAN) Position Ability: -163 dBm hot start sensitivity -148 dBm cold start sensitivity -151 dBm warm start sensitivity Full A-GPS capability (E911/SUPL/EPO/HotStill) GPS Time Transfer: Yes

Output&Input	USB: USB2.0 USB1.1
	RCA: 4*RCA
	AUX-IN: 1*Video(CVBS) 2*Audio
	Rear View Camera: 1 *CVBS
Packing list	
Packing List	2*USB Cable
	1*Power Cable
	1*User Manual
	1*GPS Antenna
	2*Installation bracket

ATOTO accessories (sold separately)for A6 series



Volkswagon specific power harness

Nissan specific power harness

Toyota specific power harness

For more accessories, visit ATOTO official website:www.myatoto.com or email to support@myatoto.com

AC-44P1  ATOTO USB Dash Board Camera	AC-4486  ATOTO HD Waterproof License Plate Rear View Camera
AC-4489  ATOTO HD Waterproof Rear View Camera	AC-44F3  ATOTO Wireless Steering Wheel Controller
AC-4451  ATOTO Bluetooth OBDII/ OBD2 Car Diagnostic Scanner	AC-4470  ATOTO USB DAB+ Box
AC-UTP1  ATOTO USB TPMS	AC-44B3  ATOTO USB Disc Player

FCC Statement

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.

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.

Important Note:**Radiation Exposure Statement**

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 and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.