

Body Worn Camera

— Product Manual —



INTRODUCTION

Sincerely thank all users for purchasing our company's recorder, please read this manual carefully before use, and please keep this manual properly for inquiries when needed.

The final interpretation right of the relevant contents of this manual belongs to the company and is subject to change without prior notice.

This manual is the user manual of this product. It briefly introduces the product's functional characteristics, performance indicators, appearance structure, usage methods and precautions. It is for the reference of users when using it. Please read it carefully before use.

If the equipment fails or you have any questions about the contents of this manual, please contact our company in time, and suggestions and criticisms are also welcome.

warn:

1. Please keep away from fire sources;
2. Avoid placing the display screen and camera lens directly in the sun.

Notice:

1. Electromagnetic waves of specific frequencies may affect the image quality;

2. Before you start working with this product, please make a test video to master the use;

3. If the product is not used for a long time, please fully charge it in advance before using it again;

4. When the machine fails, please do not disassemble and repair it arbitrarily. Only authorized maintenance personnel can repair the machine;

5. When the machine is turned on and Off, when the color of the machine screen has a color difference (red), please restart the machine to restore the normal color.

6. The approval number of the SRRC is displayed on the label.

7. The local system does not support Official updates. If the user flashes.

CATALOG

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PRODUCT DESCRIPTION

product description

The recorder is the latest on-site audio and video recording product created by our company. It contains a number of the latest video and audio processing technologies. It has comprehensive functions and reliable performance. Or railway, chemical, electric power and other production units. Using the device at the job site can record the situation on the spot, collect evidence, regulate law enforcement or work behavior, and reproduce the scene.

The product adopts high-quality chips, with higher performance and more stable functions.

The product adopts innovative appearance design, compact body, light weight, more comfortable and easy to wear and use. The product button design is more in line with the needs of use, and the front video button can ensure that the video and audio recording can be quickly turned on. The product is compact and waterproof, and can be used outdoors normally in rainy and snowy days.

Support safe mode, anti-misoperation, one-key power saving and other functions. The microphone is highly sensitive and supports high signal-to-noise ratio recording.

Support automatic and manual infrared functions.

Support voice broadcast function, automatic hourly time announcement, operation prompts, etc. Support video pre-recording, video delay recording, motion detection and other functions.

Support watermark, including time, equipment number, police number, and more legal benefits. Support car mode, loop recording.

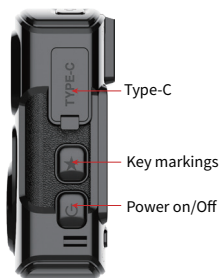
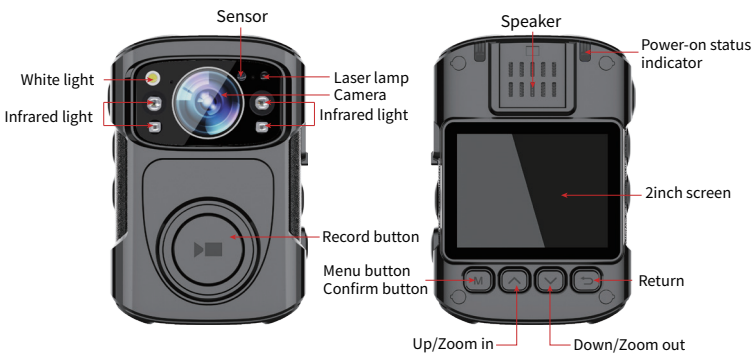
Support a variety of external devices, support secret shooting forensics.

Equipped with special software, it can be password protected and set a password to prevent the video from being deleted. Support white light flashing function.

PERFORMANCE

Display	HD 2.0-inch IPS full viewing angle display
Lens	F2.0 aperture, 150 degree wide angle
Video frame rate	30P
Video Format	H.264、H.265
Video resolution	3840*2160 30P、2560*1440 30P、1920×1080etc....
Photo Format	JPEG
Camera pixel	Up to 40M, adjustable in multiple gears
Storage	16GB/32GB/64GB/128GB/256GB/512GB
Recording	Support separate recording, WAV audio format
Size	83*58*30mm
Weight	Device: 142g; Shoulder clip: 12g
Battery	Built-in 3400mAh
Endurance time	10hours
Charging time	≤4hours
Auxiliary	LED white light, infrared light, laser light
Night vision distance	3~10meters
Working temperature	-30~55°C
Working relative humidity	≤93%
Storage temperature	-40~60°C
Protection class	IP68
Anti-drop rating	2m
Data interface	Type_C

FUNCTION KEY DESCRIPTION



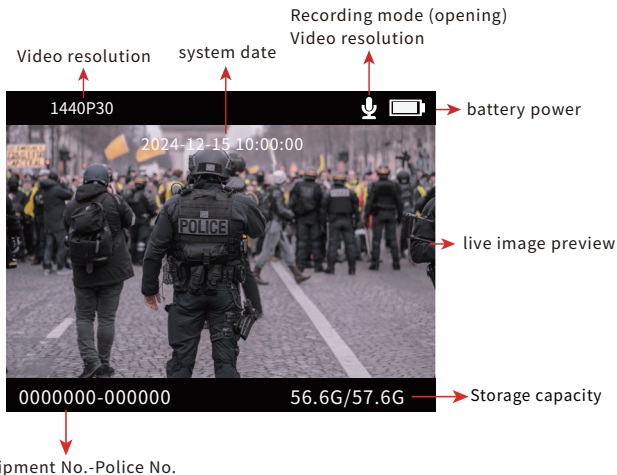
INDICATOR LIGHT DESCRIPTION



BASIC OPERATION

Switch()

seconds to directly shut down. In the power on state, press the "power button" to turn on/Off the screen saver.



Power ()

Press to turn on the screen, long press to turn Off (sound prompt), short press for 2 seconds to turn on (sound prompt) and enter the viewfinder preview window.

Infrared night vision key/white light ()

Short press can activate the infrared night vision screen, long press can turn on the white light, and long press again to turn Off the white light.

Take photos ()

In the viewfinder preview window, press the camera button to take a photo. In the video recording state, press the camera button to capture and save the photo recorded at that time.

Recording ()

Short press on the viewfinder preview window: start/stop recording, light up the screen when the screen is Off, and start recording at the same time.

Key markings ()

Pressing this button in recording mode will highlight this file, and pressing it in recording mode also supports highlighting.

Video key ()

Press and hold the recording button to turn on the device while it is turned Off, and enter the recording mode. Press and hold briefly to start recording while in standby mode, and press and hold again to stop recording.

Menu setting/confirmation (**M**)

In standby mode, short press the menu key to enter the system setting interface, press the up/down key to select the option to be modified and press confirm, select the setting parameter option to confirm with the up/down key, and press the return key to return to the previous level to complete the menu setting.

Up/Down keys (/)

In the menu setting/file, you can select up and down and zoom in and out.

Back key/Laser light ()

Long press the back button to turn on the laser light, long press again to turn Off the laser light.

Video playback

In standby mode, press the return key to enter the file interface, select "Video" to confirm, then press the up and down keys to select the video file to be viewed, and then press the confirmation key to play back the video file.

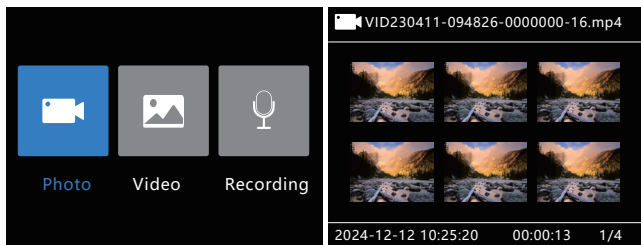
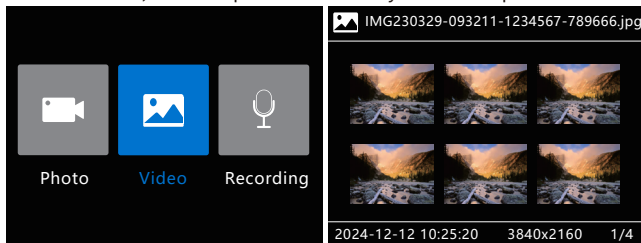


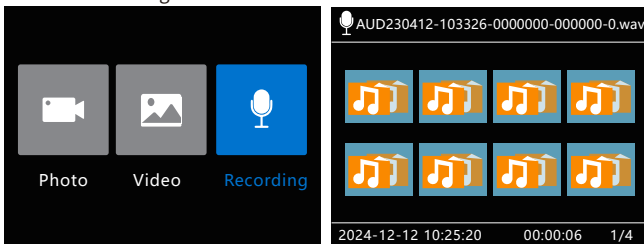
Image playback

In standby mode, press the return key to enter the file interface, select "image" to confirm, then press the up and down keys to select the image file to be viewed, and then press the enter key to view the photo file.



Recording playback

In standby mode, press the return key to enter the file interface, select "recording" to confirm, then press the up and down keys to select the recording file to be viewed, and then press the confirmation key to play back the recording file.



In the file playing state, short press <Up>/<Down>

MENU PARAMETER SETTING

The menu has an initial setting, if you need to change the initial setting, please short press the "menu button" in the standby state to enter the menu setting interface, press the "up button/down button" to find the item that needs to be changed, press the "confirm button" to enter To modify the option, press the "Up Arrow/Down Arrow" to select the parameter, press the "Enter Arrow" to confirm after selection, and press the "Back Arrow" to return to the previous menu.

3.1 Video Resolution

There are five options for Video Resolution: "2160p30,1440p30,1296p30,1080p30,720p30". The higher the resolution, the larger the file size and the shorter the recording time with the same memory and power. The default Video Resolution is "1080P30".

system settings		1/28
Video Resolution		1080P30
Movie Quality		High
Ldc mode		Off
Movie Clip Time		5 min
Cycle Record		Off

3.2 Movie Quality

There are three options for video quality, "Low, Medium and High", and the default Movie Quality is "High".

system settings		1/28
Video Resolution		1080P30
Movie Quality		High
Ldc mode		Off
Movie Clip Time		5 min
Cycle Record		Off

3.3 Ldc mode

There are two options for video frame rate, "On and Off", and the default Ldc mode is "Off".

system settings		1/28
Video Resolution		1080P30
Movie Quality		High
Ldc mode		Off
Movie Clip Time		5 min
Cycle Record		Off

3.4 Movie Clip Time

There are 4 options for recording time: "5 minutes, 10 minutes, 20 minutes, 30 minutes", and the default recording time is "5 minutes".

system settings		1/28
Video Resolution		1080P30
Movie Quality		High
Ldc mode		Off
Movie Clip Time		5 min
Cycle Record		Off

3.5 Cycle Record

There are two options for loop recording: "On and Off". When the device prompts that the internal memory is full during the recording process and cannot continue to store the recording, turn on the Cycle Record, and the system will automatically delete the first video and continue recording. The default Cycle Record is "Off".

system settings		1/28
Video Resolution		1080P30
Movie Quality		High
Ldc mode		Off
Movie Clip Time		5 min
Cycle Record		Off

3.6 Vibration

The vibration reminder has two options of "On and Off",and the default Vibration is "On"

system settings		6/25
Vibration		On
Sound Record		On
Delay Record		Off
Motion Detection		Off
Still Image Size		8M

3.7 Sound Record

There are two options for recording, "On and Off",and the default Sound Record is "On"

system settings		6/25
Vibration		On
Sound Record		On
Delay Record		Off
Motion Detection		Off
Still Image Size		8M

3.8 Delay Record

There are five options for Delay Record: "Off, 1 min,2 min,3 min,5 min". The Delay Record refers to how many seconds after the option is selected , the number of seconds after pressing the record button during shooting can also be recorded into the video.The default Delay Record is "Off".

system settings		6/25
Vibration		On
Sound Record		On
Delay Record		Off
Motion Detection		Off
Still Image Size		8M

3.9 Motion Detection

There are two options for Motion Detection: "Off and On". It means that when the body camera is not moving, turn on the camera and turn on the recording button. start recording, stop recording automatically and save when still.Motion detection default is "Off"

system settings		6/25
Vibration		On
Sound Record		On
Delay Record		Off
Motion Detection		Off
Still Image Size		8M

3.10 Still Image Size

Still Image Size are "32M , 26M , 20M ,14M , 8M". five options, the default Still Image Size is " 8M"

system settings		6/25
Vibration		On
Sound Record		On
Delay Record		Off
Motion Detection		Off
Still Image Size		8M

3.11 Video Code

There are two options for Video Code, " H264, H265 ". The default Video Code is " H264".

System settings		11/25
Video Code	H264	
PreRecord	Off	
Car Model	Off	
Low-power Model	Off	
LCD Power Save	1min	

3.12 PreRecord

There are two options for PreRecord, "On and Off". PreRecord means that after the body worn camera is turned on, when the record button is pressed,the picture of the previous period can be PreRecord.The 1080P PreRecord is 145s. Other resolutions PreRecord is 10s,and the default PreRecord is " Off".

System settings		11/25
Video Code	H264	
PreRecord	Off	
Car Model	Off	
Low-power Model	Off	
LCD Power Save	1min	

3.13 Car Model

The Car Model has two options of "On and Off".After the car model is turned on,the body worn camera is turned Off.when it is connected to a car charger or charging, the body worn camera will automatically turn on and start recording. After stopping charging, the video file will be saved and it will automatically shut down immediately. Car Model defaults to " Off".

System settings		11/25
Video Code	H264	
PreRecord	Off	
Car Model	Off	
Low-power Model	Off	
LCD Power Save	1min	

3.14 Low-power Model

The Low-power Model has two options, "On and Off", and the default Low-power Model is " Off".

System settings		11/25
Video Code	H264	
PreRecord	Off	
Car Model	Off	
Low-power Model	Off	
LCD Power Save	1min	

3.15 LCD Power Save

The LCD Power Save has three options of " Off,1 min,2 min". Body worn camera will automatically turn Off the screen and enter the sleep mode after it is turned on without any operation.The default LCD Power Save is " 1 min"

System settings		11/25
Video Code	H264	
PreRecord	Off	
Car Model	Off	
Low-power Model	Off	
LCD Power Save	1min	

3.16 Power Off

There are four options for Power Off: "Never, 30 sec, 1 min, 5 min". Automatic shutdown means that the body worn camera will automatically shutdown after it is turned on without any operation.. The default Power Off is "5 min".

System settings		16/25
Power Off	5 min	
Change User Password	On	
Stealth Mode	Off	
IR CUT	Manual	
Volume	High	

3.17 Change User Password

Password protection has two options: "On" and "Off". Password protection requires a password to access the menu. Pressing the "OK" button to turn it on or Off requires password verification before changing the settings. The default password protection setting is "On".

System settings		16/25
Power Off	5 min	
Change User Password	On	
Stealth Mode	Off	
IR CUT	Manual	
Volume	High	

3.18 Stealth Mode

Stealth Mode has two options: "Off" and "On". When Stealth Mode is on, the device indicator lights, button sounds, and vibration alerts are turned Off. The default Stealth Mode is "Off".

System settings		16/25
Power Off	5 min	
Change User Password	On	
Stealth Mode	Off	
IR CUT	Manual	
Volume	High	

3.19 IR CUT

IR CUT has two options of "Manual and Auto". When it is set to manual, Long press the light button to turn on the infrared light, and the photosensitive light automatically senses the outside when it is set to automatic. The brightness and darkness of the external environment can be automatically switched to infrared mode when the illumination is low, and the infrared light turns on the image to black and white. The default IR CUT is "Manual".

System settings		16/25
Power Off	5 min	
Change User Password	On	
Stealth Mode	Off	
IR CUT	Manual	
Volume	High	

3.20 Volume

There are four options for Volume, "Off, Low, Medium and High", and the default Volume is set to "High".

System settings		16/25
Power Off	5 min	
Change User Password	On	
Stealth Mode	Off	
IR CUT	Manual	
Volume	High	

3.21 Beep

There are two options for beep sound is from pressing a button," On,Off", the default Beep is On.

System settings	21/25
Beep	On
Speech	On
Police ID	
Device ID	
Language	

3.22 Speech

Speech has two options: "On" and "Off". When Speech is enabled, the device will provide audio prompts when powering on, powering Off, taking photos, recording videos, or recording audio. The default Speech is "On".

System settings	21/25
Beep	On
Speech	On
Police ID	
Device ID	
Language	

3.23 Police ID

The Police ID number can be set to a 6-digit code "0~9". Press the "OK" button to enter the settings page, press the "Up/Down" keys to increase or decrease the number, and press the "OK" button to confirm and proceed to the next number. The default Police ID number is "000000".

System settings	21/25
Beep	On
Speech	On
Police ID	
Device ID	
Language	

3.24 Device ID

The Device ID can be set to a 7-digit code "0~9". Press the "OK" key to enter the settings page, press the "Up/Down" keys to increase or decrease the number, and press the "OK" key to confirm and proceed to the next serial number. The default Device ID is "0000000".

System settings	21/25
Beep	On
Speech	On
Police ID	
Device ID	
Language	

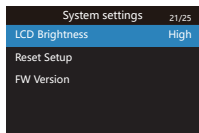
3.25 Language

There are two language options: "Japanese" and "English". The default language is "Japanese".

System settings	21/25
Beep	On
Speech	On
Police ID	
Device ID	
Language	

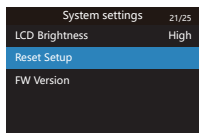
3.26 LCD Brightness

There are three options for LCD brightness: "High, Medium, and Low", and the default LCD Brightness is "High".



3.27 Reset Setup

Reset Setup to the reset settings. After confirming the reset settings, the device will automatically restart.



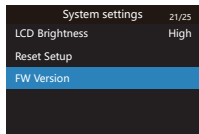
3.28 FW Version

Firmware version: mtx312SA -260722

Police ID:000000

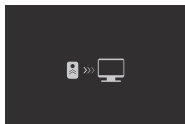
Device ID:0000000

Model:IBC-03

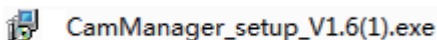


SOFTWARE INSTALLATION STEPS

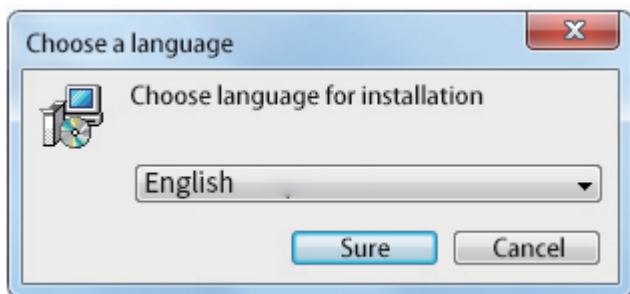
The device has driver software. After the device is connected to the computer, this interface appears, which means that the upper computer management software needs to be opened.



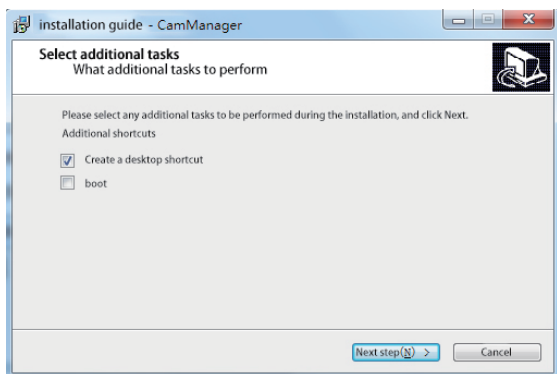
1. First save the host computer installation package to the computer, and the screenshot after saving is as follows:



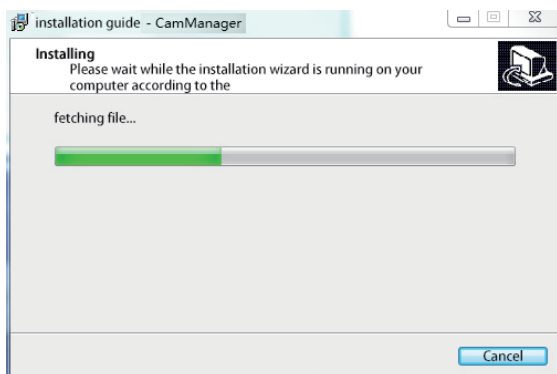
2. Double-click to install, and the language selection interface will appear. The default language is Chinese, click "OK".



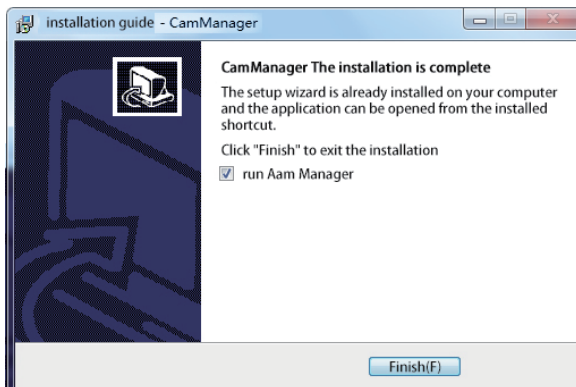
3. After clicking OK, this interface appears, choose whether to create a shortcut on the desktop after installation. The default is Create, click Next.



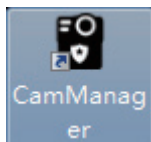
4. After each dialog box pops up, click Next directly. The following is a screenshot of the installation.



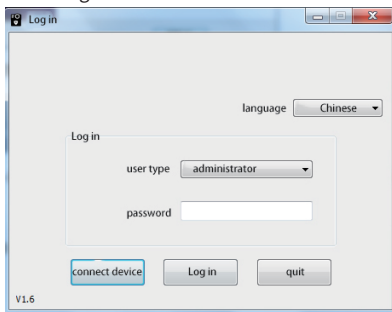
5. Finally, the following interface appears, indicating that the installation has been completed



6. After the host computer management software is installed, a software icon will appear on the computer. As shown below

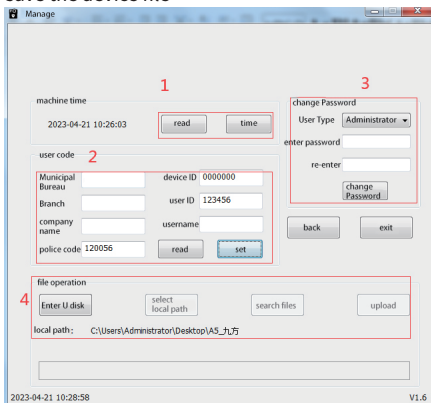


7. Login --- background management. After turning on the body camera, connect the data cable to the computer, double-click the shortcut generated on the desktop, the following interface will appear: The initial password is: 000000, connect the device with a dedicated TYPE-C cable and turn it on, click the link device, and then click Login.



8. After logging in, the following window items will appear:

- 1) The device time can be corrected.
- 2) Set the device number and related area name
- 3) Modify the password of the device
- 4) Upload and save the device file



COMMON TROUBLESHOOTING AND SOLUTIONS

Fault phenomenon	Fault diagnosis	Troubleshooting
The host cannot be powered on	Battery exhausted	Full charge for 4 hours
	Host protection	Restart the machine after pressing the reset key
The working time of the host is short	Insufficient charging	Full charge for more than 4 hours
Copy data to power Interruption of brain time	Computer front panel USB interface Insufficient power supply	It is recommended to connect the data cable to the USB interface on the back panel of the computer
The computer cannot recognize the recorder	Data line problem	Replace the data cable
	Client program not installed	Install the client program (driver installation is included)
	Driver did not install successfully	Temporarily shut down the protection system and reinstall the client program

*During the continuous improvement and innovation of our products, if you find that the details are inconsistent with the products, please focus on the actual products or contact customer service. Thank you.

PACKING LIST

Please carefully unpack the video and audio recorder, and count the accessories according to the following table. It is recommended that you keep the package:

NO.	Attachment	QTY
1	Body camera	1pc
2	Back clip (long)	1pc
3	Power Adapter	1pc
4	Charger	1pc
5	Cable	1pc
6	Manual	1pc
7	Warranty Card	1pc

WARRANTY CARD

User profile _____Year____Month____Day(Date of filling)

User Name		Company name	
Phone		Address	

Product information

Host Model		Product Number	
Date of sale		Sold company	(Stamp)

Maintenance information

Repair date	Maintenance records	Repair company

FCC Warning:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.