

# USER MANUAL



5.5'' Large Touchscreen Monitor with 1080p Pan & Tilt Camera

**Model No. : CM544554**

## **WARNING**

**STRANGULATION HAZARD - Keep cord out of child's reach.** NEVER place camera or cords within 3 feet of crib or playpen. Never use extension cords with AC adapters. Only use the AC adapters provided.

- Some adult assembly or installation required.
- This product contains small parts that may cause choking. Keep small parts away from children.
- This product is NOT intended to replace proper supervision of children. You MUST check your child's activity regularly, as this product will not alert parents to silent activities of a child.
- Before using this product, read and follow all instructions and warnings contained in this booklet.
- NEVER use the transmitter or monitor near water, including near a bathtub, sink, laundry tub, wet basement, etc.

- This product is intended for indoor use only.
- The transmitter detects normal sound levels within a range of 2 to 3 meters (6 to 10 feet) from a child. If the child moves outside of this range, it may not be able to detect sounds from him or her.
- Check reception regularly. Test monitor before use and after changing camera location.
- Do not take apart the product by yourself.
- To prevent overheating, keep the product and AC power adapters away from any direct sunlight and heat sources such as radiators, heat registers, cooking devices (e.g., stoves and ovens) and other appliances that produce heat (e.g., amplifiers, televisions and stereos).
- Ensure that the product is well ventilated during use. Avoid contact with pillows and furniture that may block ventilation.
- When an AC adapter is plugged into a power source, DO NOT touch the exposed end of the AC adapter's cord.
- Images and sounds are transmitted by the product over public airwaves and transmissions may be picked up by other units. (Although the transmission distance is 100m or longer, it may vary depending on whether there are obstacles between the camera and the monitor.)
- Caution if you use the system to watch a young child, do not place the camera where the child can reach.
- When using the system with only battery power and the charge is low, then the picture and or sound may be affected. If this occurs then please connect the AC power adapter.

The transmission range of the wireless signal may weaken if heavy obstructions such as a concrete, brick, or metal walls are between the camera and monitor, or if there are several Wi-Fi routers and devices in your environment.

To avoid interference with RF signal, keep your cell phone at least 3ft away from the Camera and Monitor.

### **CAUTION**

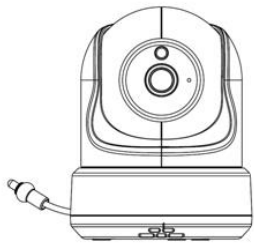
Risk of explosion if battery is replaced by an incorrect type.

Dispose of used batteries according to the instructions.

### **Features:**

- Long range wireless technology, up to 1000ft in open air
- System expandable up to 4 cameras, single, split display or quad display
- Multiple (6) languages selection
- Camera with night vision and sound trigger
- Lullaby and temperature display
- 2 way audio, monitor or smart phone can talk back to camera
- 5.5" capacitive touch screen monitor
- Monitor with auto and manual recording into Micro SD card
- Remote pan & tilt, digital zoom
- Optional monitor cradle can connect to router through RJ45 cable for remote access
- Free iOS & Android App

## What's Included



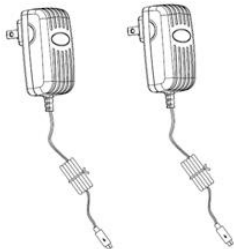
Wireless Camera



Mounting bracket



Wireless Monitor



Power adapters



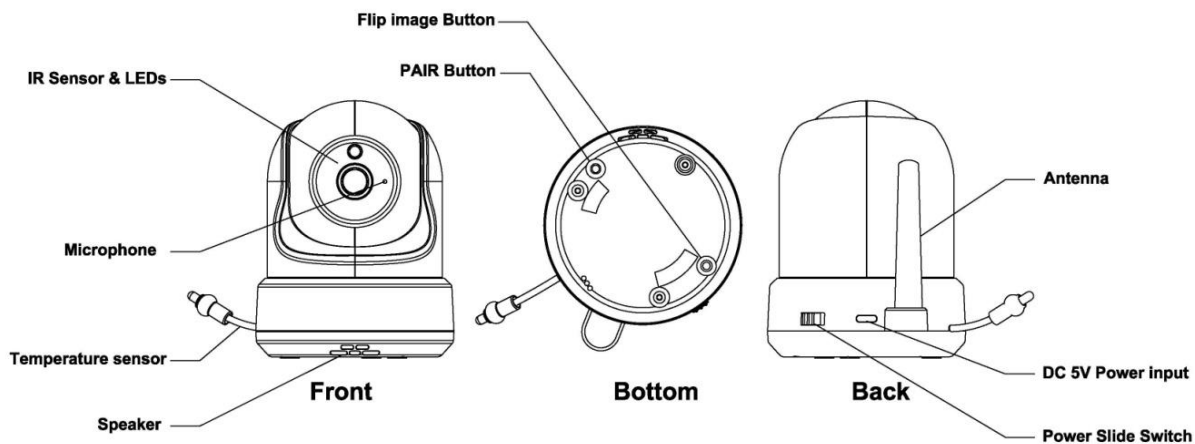
Quick Start Guide



Screws and Anchors

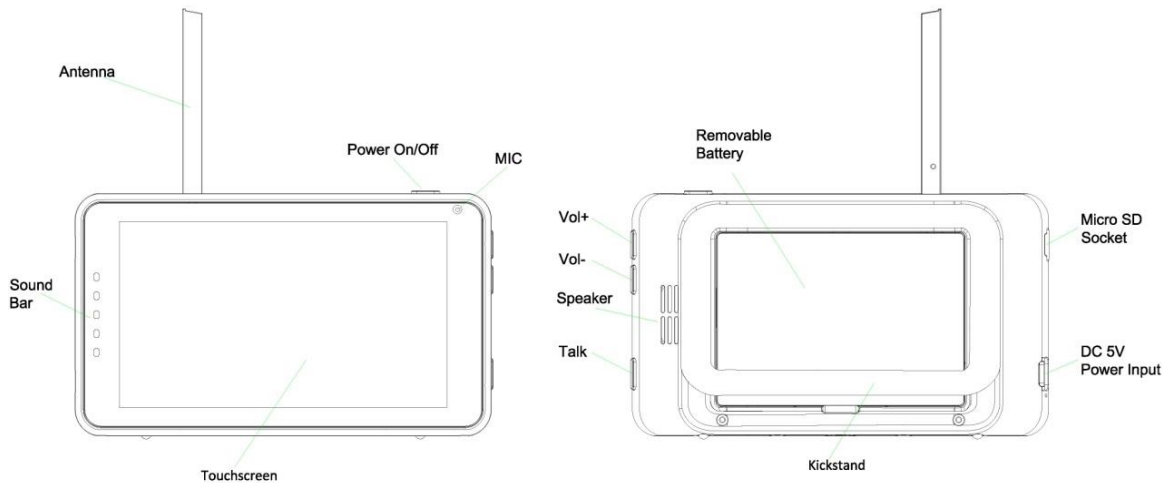
## Product Overview

### Wireless Camera



1. IR Sensor & LEDs: Infrared LEDs provide viewing in NO/LOW Light conditions.
2. Microphone: Detects & transmits the sound from camera to monitor.
3. Temperature Sensor: The measured ambient temperature is displayed on the monitor.
4. Speaker: Enables the ability to talk from monitor/phone to camera and play lullabies.
5. Antenna: Sends & receives signals to or from the monitor.
6. DC 5V Power Input: Input for the power adapter, 5V 1A.
7. Power Slide Switch: Slide to turn on/off the camera.
8. Flip image Button: Press this button to rotate the camera image (up to 180 degree) and then it can be ceiling mounted.
9. Pair Button: Establishes a new connection between the camera and monitor during the pairing process.

## Wireless Monitor



1. Antenna: Sends & receives signals to or from the Camera.
2. Sound Bar: Indicates the level of sound detected by the Camera.
3. DC 5V Power Input: Input for the Power Adapter 5V 2A.
4. Screen: 5.5" capacitive touch screen.
5. Microphone: Detects & transmits the sound from Monitor to Camera.
6. Power On/Off: Press and hold to switch the monitor on/off. Short press will change monitor to power save mode (VOX on) or audio only mode (VOX off)
7. Speaker: Produces the sound from the camera.
8. Kick Stand: Enables the table stand for the monitor.
9. Battery: Rechargeable lithium battery for portable use.

## Getting Started

### Installing the Monitor & Camera





1. Pull out the isolation sticker on the back of the monitor. Fully charge the monitor using power adapter before first use. Camera must be plugged in at all times.
2. Place the camera in the preferred position. It can be placed on a table/cabinet or mounted on a wall using the mounting bracket (included).

3. To power on the monitor, press and hold the power button for 4~5 seconds.
4. To power on the camera, slide the on/off button to the ON position.

### Pairing the Monitor & Camera

The units already come paired for your convenience.

If you have additional camera, pair your camera as follow:

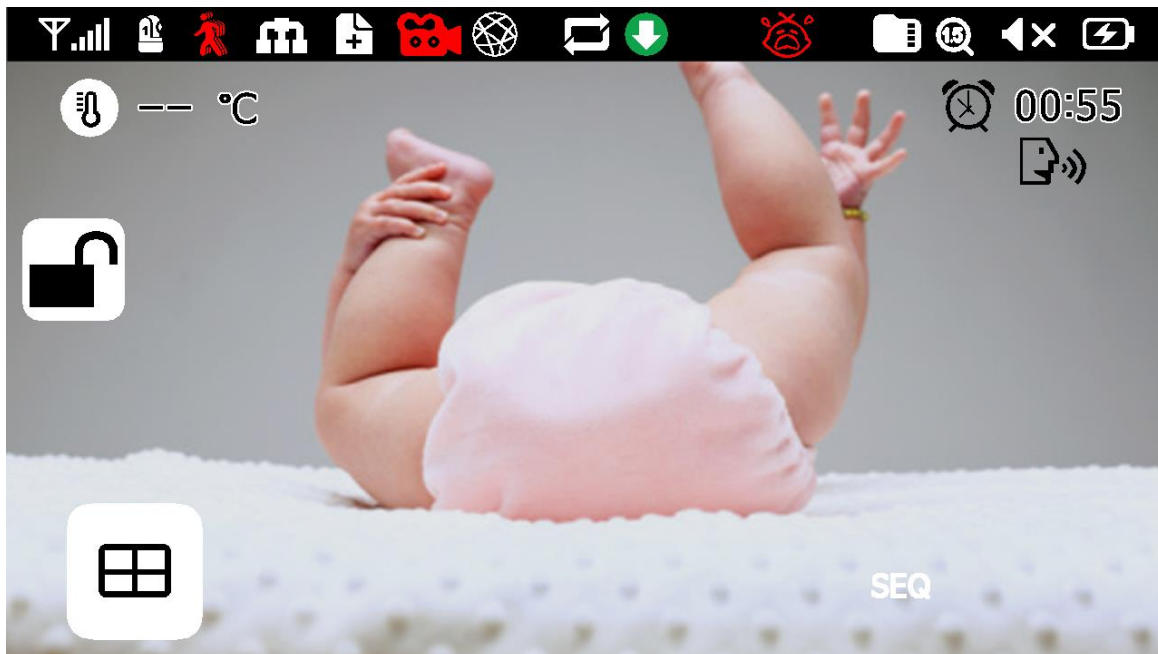
1. Power on wireless monitor and wireless camera.
2. Touch the live view screen on the monitor to make the settings icon appear.
3. Press the [  ] button at the bottom left corner of the monitor.
4. Press [  ] icon and select camera number.

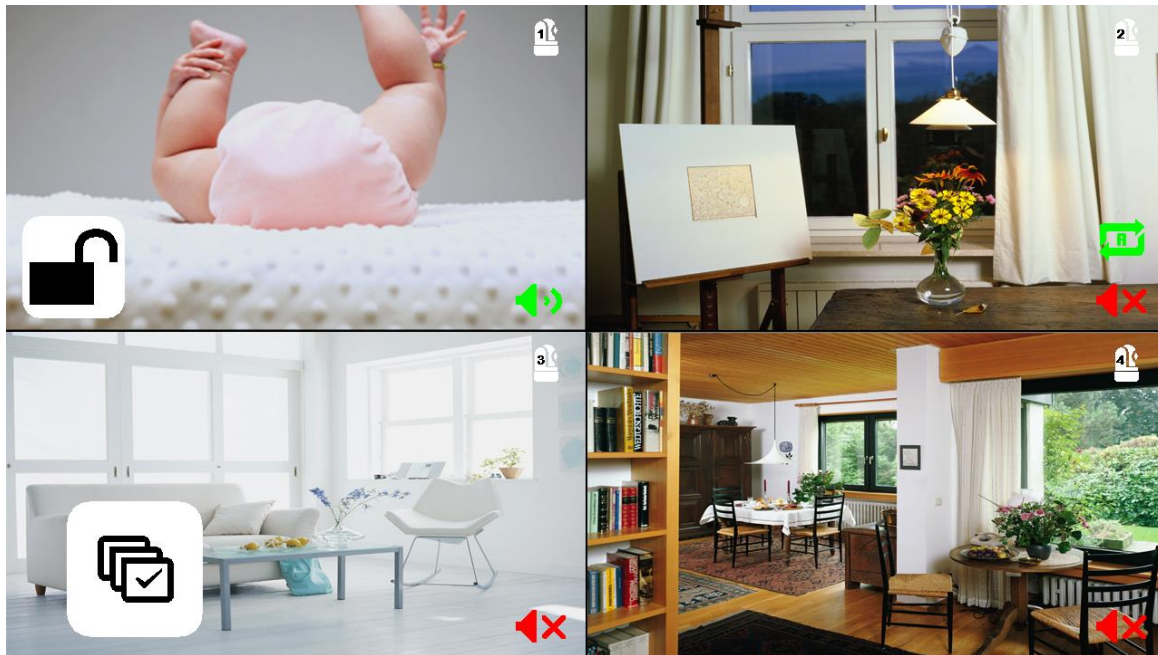
(The monitor will search for the camera when set to pairing mode, Select the channel you want to pair the camera to, and touch to confirm, a countdown clock will appear at the middle of the screen and will start counting from 30 to 0).

5. Press the [PAIR] button on the bottom of the camera.
6. If the monitor successfully paired with the camera within the 30 seconds, it will automatically switch to the camera's current view.

### Indicator Description




#### Live View





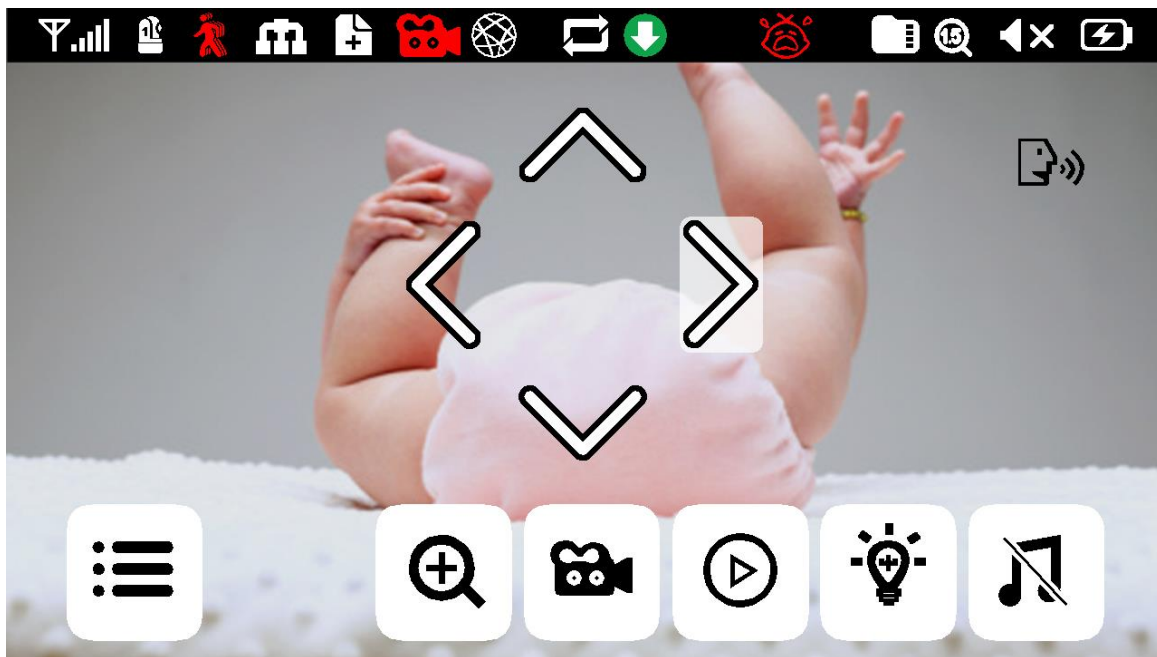
1. Signal indicator: If an appears on the signal bar, the system is "Out of Range".
2. Camera number:
3. Motion Recording enabled Indicator: This icon indicates monitor is set to auto recording mode.
4. Network Connection Status: Monitor must be connected to the optional internet cradle(sold separately) for remote viewing.  
Green- Monitor is connected to the internet.  
White- Monitor is connected to router, but router is not connected to the internet.  
Red- Monitor is not connected to router.
5. New Record Indicator: Indicates there are unread new recordings.
6. Recording Indicator: Icon flashes red when recording is in progress.
7. Remote Connection: This icon indicates remote connection to the system via App.
8. SD Card Overwrite: This icon indicates the SD card is allowed to overwrite files when it is full.
9. VOX on:
10. SD Card Indicator: Displays if an SD card is inserted into the monitor. If white, recording space is available. If red, the SD card is full.
11. Zoom mode: Indicates Zoom mode: x1/x1.5/x2
12. Monitor Speaker Mute:
13. Battery Power Level:
14. Temperature Display: °C
15. Feeding Reminder: 00:55
16. Firmware Download Available:
17. Quad Mode: Press this button, monitor will change to quad mode (if there are 3 or 4 cameras connected to the monitor) or split mode (if there are 2 cameras connected to the monitor).
  - a) When entering into quad mode, the default setting is no audio from cameras.
  - b) You can choose one of the cameras and press to turn on the audio. This icon will turn green when audio is on. Please note you can only turn on audio for one camera at a time.
  - c) You can press to turn on the audio and listen to each channel in sequence.










18. SEQ:  In quad or split mode, tapping this button will change channels in sequence and "SEQ" will appear.
19. Talk Back:  Only appears in single camera Live View mode and when talk button is pressed&held. If a lullaby is playing, lullaby will be paused until the button is released.
20. Unlock the screen:  Tap this button to lock and unlock the touch screen.

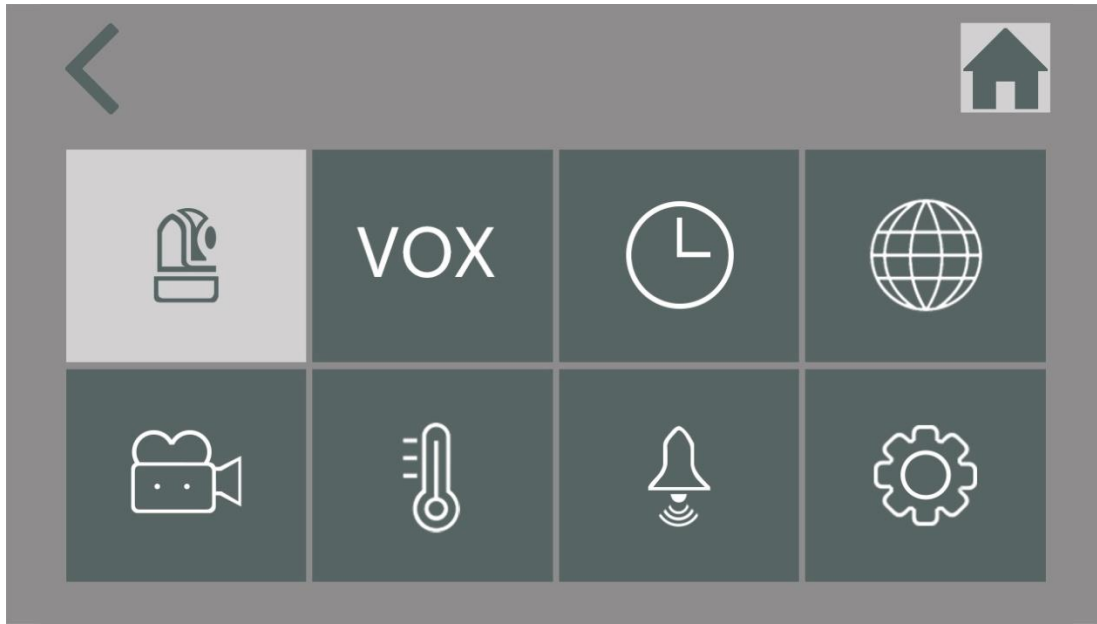
### Operation Key









"Operation" keys appear by tapping any blank location on the screen. If user taps screen without touching any function key, it will time out after 10 seconds and return to Live View mode.




1. Menu Setting: 
2. Zoom In / Out:  Supports x1, x1.5, x2 digital zoom ratio.
3. Manual record:  Tap this button to record (icon will turn red) and tap again to stop recording.
4. Play back:  Tap this button to view recording file list.
5. LED Light:  Tap this button to turn night light on camera on/off.
6. Lullaby:  Three pre-programmed lullabies.
7. Navigation Controls:  Remotely Pan/Tilt the camera.


## Menu Page



1. Pair / Unpair Camera:  You can connect up to four cameras to your system.
2. VOX:  Set the VOX sensitivity to detect low or high sound levels.
3. Date & Time & Timer:  Set system date&time, time zone and feed timer.
4. Language:  Set language for the monitor from six options: English, German, French, Italian, Dutch and Spanish.
5. Recording:  Set up recording
  - a) Duration: Recording period after last trigger(15s,30s and 1minute)
  - b) Sensitivity: you can adjust the sensitivity level(high, normal, low and off)
  - c) Mask Area: Select mask areas
  - d) Overwrite: yes or no(default yes)
6. Temperature:  You can set Celsius or Fahrenheit, and temperature high and low alerts.
7. Camera & Alarm Volume:  You can raise or lower the camera and alarm volumes.
8. General Setting: 
  - a) Anti-Flicker: 50Hz or 60Hz
  - b) Format memory card: if yes, all stored files will be deleted
  - c) FW upgrade: Upgrading firmware from SD card or server
  - d) FW information(for both cameras and monitor)
  - e) Factory default: Reset the monitor defaults to factory settings
  - f) Network setup: Tapping this to reset password, get the network information(IP, MAC ID and UID)



9. Back:  Save the settings and return to the previous page.

10. Home:  Return to Live View.

## Specification

Kit	
Operating Frequency Range	2.4GHz
TX Power	17dBm (FHSS), 15+/-1dBm(Wi-Fi)
RX Sensitivity	-88dBm (FHSS), -89dBm(Wi-Fi)
Type of Spread Spectrum Used	Wi-Fi
Type of Modulation Used	802.11b/g
Antenna	2.4G 2.0dBi external antenna
Communication Range	1000feet The transmission range of the wireless signal may weaken according to your environment.

Camera	
Image sensor type	1/4" Color CMOS Image sensor
Effective Pixel	1920(H) x 1080 (V)
Power requirement	5V DC 1A
Image Resolution	High: FHD(8fps@1920*1080) Low: HD(15fps@1280*720)
Lens	3.95mm F2.2
Viewing Angle (Diagonal)	96° (FOV)
IR LED / Night Vision Range	5m 940nm
Operation temperature	-10~40°C

Monitor	
LCD Panel size	5.5" capacitive touch panel
LCD Resolution	720x1280
Operating Temperature	14°F~104°F (-10~40°C)
Operating Humidity	0% ~ 85%
Power requirement	5V DC 2A

### Note:

This item is in compliance with FCC test standard: Part 15C 15.247.

## FCC Statement

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.

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. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment 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.

FCC Radiation Exposure Statement:

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