



# Wireless Baby Monitor User Guide



Thank you for purchasing the Lil' Jumb! Wireless Monitoring System. This User Guide is intended to provide you with guidelines to ensure that operation of this product is safe and does not pose risk to the user. Any use that does not conform to the guidelines described in this User Guide may void the limited warranty.

Please read all directions before using the product and retain this guide for reference. This product is intended for household use only.

This product is covered by a limited one-year warranty. Coverage is subject to limits and exclusions. See warranty for details.

## **This package includes:**

- Monitor unit
- Camera unit
- 2x Rechargeable batteries (for monitor and camera unit)
- 2x A/C adaptors (for monitor and camera unit)
- 4x Interchangeable Front panels (for monitor and camera unit)
- Wall mounting bracket (for camera unit)
- User Guide

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## Safety Warning:

Please read this user guide carefully before operating the Lil' Jumb! Wireless Monitoring System to ensure safe and proper operation of the unit. Failure to do so may result in injury or death.

- Keep A/C adapters and cords out of the reach of children.
- Keep A/C adapter cords protected. Do not allow them to be pinched by furniture or other household items. Do not place them in areas of high foot traffic where they can be walked on which compromises their function.
- Use ONLY the A/C adapters included with this unit. Third party adapters may cause irreparable damage to the unit and cause malfunction and/or injury.
- Ensure that the A/C adapters are compatible with the voltage in your home.
- Do NOT place this monitor or its cord within three feet of the baby's crib/bed and within a child's reach.
- Provide proper ventilation for the unit while in operation. Do not cover the monitor or camera with any material (ie. blanket or towel). Do not place the monitor or camera in poorly ventilated areas or enclosed spaces (ie. drawer).
- Do NOT immerse the monitor or camera in water and clean ONLY with a dry cloth.
- Do NOT use the monitor or camera in wet or damp areas (ie. shower, bathtub, sink, water basin or laundry tub, etc.).
- Do NOT use the monitoring system outdoors.
- Keep the monitor and camera away from heat sources (ie. fireplace, furnace, radiator, stove, etc.)
- Do NOT open the monitor or camera unit for any reason. There are no user serviceable parts. Doing so presents a risk of personal injury including electric shock, fire or death.
- Only use the batteries supplied with this product. Dispose of batteries according to local regulations.
- Ensure that the power outlet is near the equipment and is easily accessible.
- This monitoring system is not a toy. Do not allow children access to it.
- The monitoring system is an aide ONLY, and not a substitute for responsible adult supervision.

## FCC Statement:

WARNING: Modifications not authorized by the manufacturer may void users' authority to operate this device.

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, (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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of 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 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 device shall be installed and operated with a minimum distance of 20cm (8 inches) between the radiator and your body.

FCC ID: XGGH111M15 / FCC ID: XGGH111C15

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# 1. Features

- Digital 2.4GHz (FHSS) Wireless Transmission.
- Extended transmission distance up to 900 feet in open area.
- Colored icons UI (user interface) integrated with touch panel control.
- Night vision capabilities when operating in dim area.
- Soft glowing night light helps to maintain a calming atmosphere.
- Features five (5) preset lullabies.
- Built-in temperature sensor.
- Interchangeable front panel for both monitor and camera units.
- Built-in battery charging function for both monitor and camera units.
- Supports up to 4 camera units simultaneously.

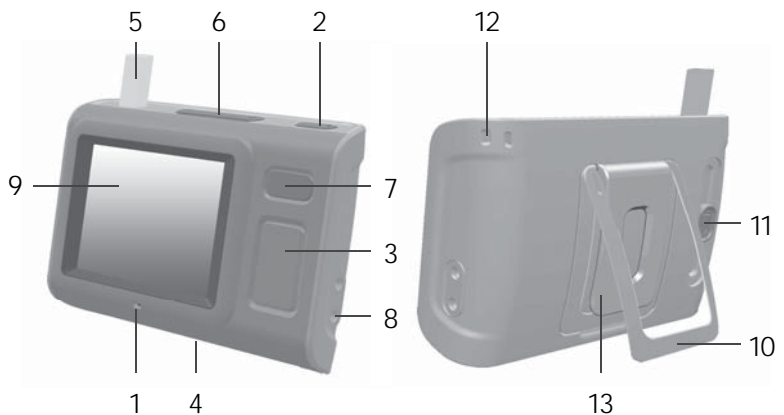
# 2. Product Overview

## Technical Specifications of Monitor Unit

Display:	2.8" TFT at 320 X 240 resolution
Audio:	Built-in microphone and speaker
VOX:	Remote sound activation from camera unit with adjustable sensitivity
Intercom:	Push to talk button
Front Panel:	Interchangeable front panel
Power:	A/C adaptor or Lithium rechargeable battery
Mounting mechanism:	Flip out stand and clip
Control / buttons:	Touch panel, Volume +/-, Power, PTT (Push to talk)
Dimensions:	4.45" x 3.10" x 1.34"

## Monitor Unit

1. Microphone
2. Power Button
3. Speaker
4. Battery Door (bottom)
5. Retractable Antenna
6. Volume Control Button
7. Push to talk (PTT)
8. DC IN Jack
9. Touch Screen
10. Table Stand
11. Antenna Slider
12. Strap Hole
13. Clip

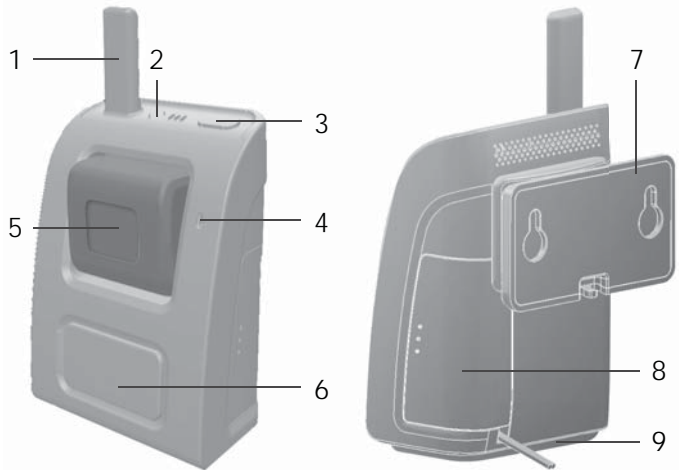


## Technical Specifications of Camera Unit

CMOS sensor:	1/6" VGA, 640x480
Night vision:	8 x IR LEDs
Camera Tilt angle:	+15 / -19 degree
Audio:	Built-in microphone and speaker
Night light:	Soft light
Lullabies:	5 preset lullabies
Temperature sensor:	Built-in
Front panel:	Interchangeable front panel
Power:	A/C adaptor or Lithium rechargeable battery
Mounting mechanism:	Detachable wall-mount bracket (Pan angle +/- 30 degree)
Control / buttons:	Power, Pairing
Dimensions:	2.91" x 5.47" x 1.77"

### Camera Unit

1. Antenna
2. Light Sensor
3. Power Button
4. Microphone
5. Camera Lens
6. Speaker
7. Camera Wall Mount
8. Battery Door
9. Night Light



## 3. Getting Started

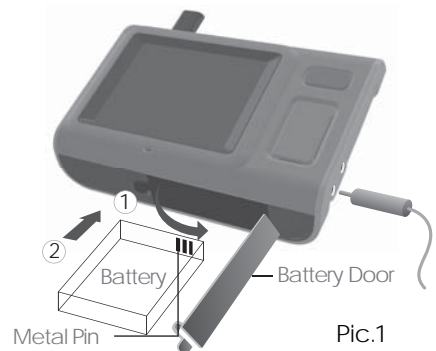
### 3.1 Monitor Unit Installation

#### 3.1.1 Battery and A/C Adapter

The monitor unit can be powered by either the Lithium rechargeable battery or the A/C adapter. The battery will charge once A/C adapter is connected.

1. To insert the battery, open the battery door at the bottom of the monitor unit, as shown in Pic.1.
2. Insert the battery noting the location of metal pins as indicated in Pic.1 to assure correct direction.
3. Push the battery inside the bay until it locks and close the battery door.
4. Plug the A/C adapter into the wall outlet then attach the cord to the "DC IN" jack on the monitor unit.
5. LED power indication:

GREEN: Power on – battery not charging  
ORANGE: Power on – battery charging  
RED: Power off – battery charging  
NO LIGHT: Power off – battery not charging



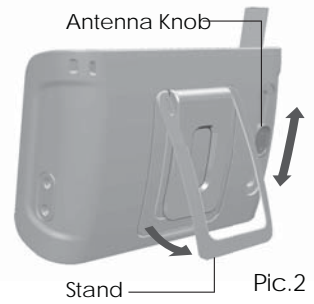
Pic.1

### 3.1.2 Antenna

You can adjust the antenna length by sliding the shifter at the back of the monitor unit. (Pic.2) To achieve optimal signal reception, you should maximize the antenna length during operation.

### 3.1.3 Stand

To place the monitor unit on the table at a viewable angle, you can flip out the stand at the back side of the monitor unit. (Pic.2)



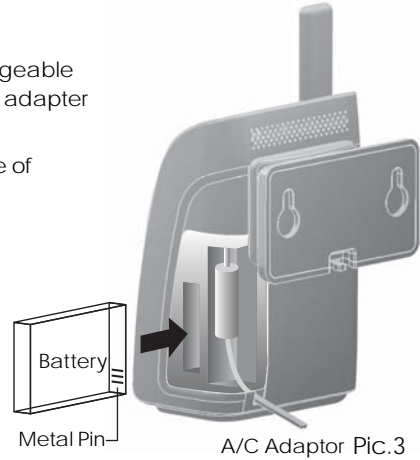
## 3.2 Camera Unit Installation

### 3.2.1 Battery and A/C Adapter

The camera unit can be powered by either the Lithium rechargeable battery or the A/C adapter. The battery will charge once A/C adapter is connected.

1. To insert the battery, open the battery door at the right side of the camera unit, as shown in Pic.3.
2. Insert the battery noting the location of metal pins as indicated in Pic.3 to assure correct direction.
3. Push the battery inside the bay until it locks.
4. Plug the A/C adapter into the wall outlet then attach the cord to the "DC IN" jack on the monitor unit. Feed cord through cord slot. Close battery door.
5. LED power indication:

GREEN: Power on – battery not charging  
ORANGE: Power on – battery charging  
RED: Power off – battery charging  
NO LIGHT: Power off – battery not charging  
FLASHING: Low Battery Warning



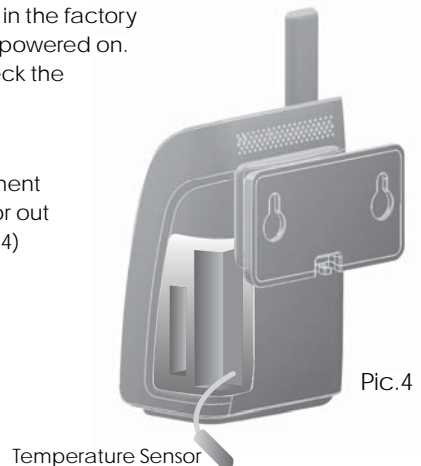
### 3.2.2 Wall Mount

The wall mount can provide pan-viewing angles at +/- 30 degrees when the camera unit is placed on a wall. Place two screws horizontally on the wall at a distance of 2.1" inches apart to mount the camera unit.

Note: The monitor and camera unit in this package was paired in the factory settings. You should get image and sound when both units are powered on. If not, please follow the steps at 4.13 to re-pair both units or check the troubleshooting section for potential problems.

### 3.2.3 Temperature Sensor

There is a temperature sensor located at the battery compartment of camera unit. To receive the accurate data, extend the sensor out from the battery bay and keep it in a well-ventilated area. (Pic.4)



# 4. General Operation

## 4.1 Power On/Off

To power on both monitor and camera unit, press the power button on each unit once. The power LED will light up to indicate the unit is operating. To power off the monitor and camera unit, press and hold each power button for three (3) seconds.

## 4.2 Adjusting the Volume of the Monitor Unit

Press the VOL + / VOL - buttons at the top of the monitor unit to increase or decrease the speaker volume. Once the volume is changed, the status bar will indicate the current volume level: more bars = louder; fewer bars = softer.



*Note: Do not place the camera unit too close to the monitor unit with a high volume setting. You may experience feedback / shrilling noise.*

## 4.3 Intercom / Two-way talk

Press and hold the Push to Talk button on the monitor unit to activate the intercom function and transmit your voice signal from monitor unit to the camera unit. Release the Push to Talk button to stop the intercom function.

## 4.4 On Screen Status Bar

The on screen status bar is located at the top of the streaming video. It shows the current settings of the system and provides the monitoring data to the user.

Details indicated below:



**Camera name:** The camera name in the top left corner of the display indicates which camera image is shown on the screen.


**Volume:** The volume icon displays the current volume level.

**Temperature:** This indicates the current temperature reading of the camera unit.

**Time:** This displays the current time. To set the date and time, please see section 4.6.

**Battery status:** Displays the remaining capacity of battery. When the battery is charging, a flashing icon will be displayed.

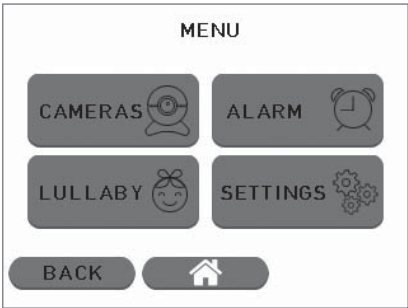
## 4.5 Menu and Navigation

To enter the user menu, press the Menu icon  on the Monitor unit's touch screen.

The user menu will display as shown:

The user menu is divided into four on-screen icons: Cameras, Alarm, Lullaby, Settings

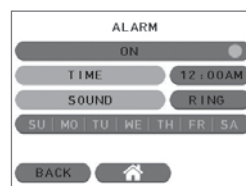
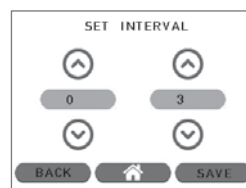
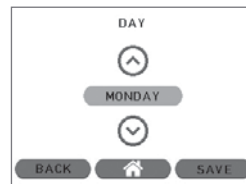
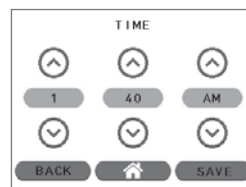
To exit the user menu, press the Home icon once.



## 4.6 Clock, Day, Feeding Timer and Alarm

This section contains instructions on how to set the clock and alarm features. In the Main Menu, press the SETTINGS icon to enter Settings mode.

- Set Clock: Press the Time icon (time display shown) to set the time.
  - Press UP and DOWN icons to set hour, minute, AM and PM.
  - Press Save
- Set Day: Press the Day icon (day display shown; ie. SUNDAY).
  - Press UP and DOWN icons to set day.
  - Press Save
- Set Feeding Timer: In the Main Menu, press the ALARM icon.
  - In Alarm Mode, press FEEDING TIMER icon.
    - In Feeding Timer mode, select ON or OFF.
    - Set INTERVAL (Right icon with time display). Press UP and DOWN icons to set hour and minute.
    - Set SOUND (Right icon with sound number display). Press UP and DOWN icons to choose sound.
- Set Alarm: In the Main Menu, press the ALARM icon.
  - In Alarm Mode, press ALARM icon.
  - Choose up to four (4) alarm times. Set Alarm times by pressing Left icon. This leads to the Alarm submenu.
  - In the Alarm Submenu, set Alarm Time by pressing the Right icon. Hour, Minute, AM or PM are selected using UP or DOWN.
  - Once Hour, Minute, AM or PM are set, press SAVE to return to the Alarm Submenu. Set time will appear on the Right.
  - In the Alarm Submenu, set Sound by pressing the Right icon. Choose "Ring," "Bell," "Beep" or "Rooster" using UP or DOWN.
  - Once Sound is set, press SAVE to return to the Alarm Submenu.
  - In the Alarm Submenu, the DAY icon appears at the bottom listing all seven days (SU, MO, TU, WE, TH, FR, SA). Press the DAY icon to set the day.
  - Select Day and press SAVE to return to the Alarm Submenu. Your selected Time, Sound and Day will display in the Alarm Submenu. Press ON to activate.
  - Repeat these steps for each Alarm you wish to set (up to four).



In the Clock Setting or Alarm Setting page, you can press the UP or DOWN icons to change the hour or minute values.

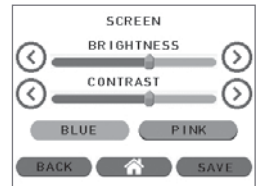
- Set Time and Day: In the Main Menu, press the SETTINGS icon.
  - In SETTINGS Mode, press the time icon (current time displayed). Select the Hour, Minute, and AM/PM using UP or DOWN on the touch screen. When current time is selected, press SAVE.
  - In SETTINGS Mode, press DAY icon. Select the Day using UP or DOWN on the touch screen. When current day is selected, Press SAVE.

## 4.7 Adjusting the Brightness and Contrast

This section contains instructions on how to adjust the brightness of the screen. In the Main Menu, press the SETTINGS icon to enter Settings mode.



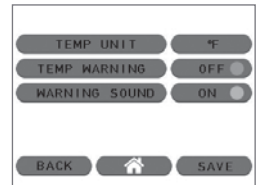
- In Settings Mode, press the MORE icon.
- Press the SCREEN icon.
  - Press LEFT or RIGHT to adjust brightness and contrast
  - Choose display color (BLUE or PINK)
  - Press Save



#### 4.8 Temperature

There is a temperature sensor located on the camera unit to detect the environmental temperature and display on your monitor unit. The temperature unit can be set to Celsius (°C) or Fahrenheit (°F). In the Main Menu, press the SETTINGS icon to enter Settings mode. Press TEMPERATURE icon to enter Temperature mode.

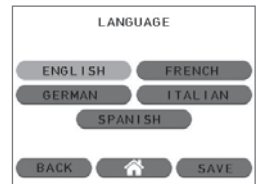
- Choose temperature unit (°C or °F).
- Enable/disable Temperature Warning. When the detected temperature is under or over the user-defined low / high levels, the system will issue an alert by displaying a high / low temperature icon and emitting a beeping sound. Choose high or low temperature.
- Press Save
- Enable/disable Warning Sound (beeping).
- Press Save



#### 4.9 Language Selection

The menu can be displayed in two different languages: English, French, German, Italian and Spanish. In the Main Menu, press the SETTINGS icon to enter Settings mode.

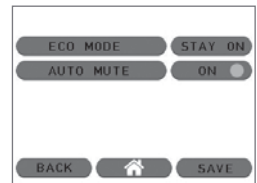
- In Settings Mode, press the MORE icon.
- Press the Language icon (current Language shown; ie. ENGLISH).
- Choose Language.
- Press Save



#### 4.10 ECO / Auto Mute

For power saving purposes, the monitor unit will turn off the screen when the ECO mode is enabled and no sound is detected within the set time frame. You can enable or disable the ECO feature and set the idle time (Duration) before entering ECO mode. The available options are 1, 2, 5, 10, 15, 30 min, Stay On. In the Main Menu, press the SETTINGS icon to enter Settings mode.

- In Settings Mode, press the ECO MODE/AUTO MUTE icon.
  - Choose Eco Mode duration
  - Press Save
  - Turn Auto Mute ON or OFF
  - Press Save



#### 4.11 Restore Default Settings

This section contains instructions on how to restore the factory default values of your wireless monitoring system. In the Main Menu, press the SETTINGS icon to enter Settings mode.

- In Settings Mode, press the MORE icon.
- Select RESTORE TO DEFAULT.



4.12 Zoom Mode

Tap the center of the image on the monitor screen to zoom one time. UP, DOWN, LEFT and RIGHT arrows will appear on the screen.

Tap UP, DOWN, LEFT or RIGHT arrows to pan.

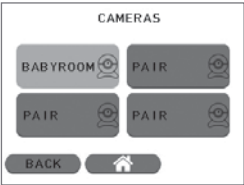
The image can pan UP or DOWN 10 times from the center, and LEFT or RIGHT 20 times from the center.

Tap the center of the image on the monitor to return to normal viewing mode

4.13 Camera Pairing Menu

The monitor unit can pair with four (4) different camera units simultaneously. In the Camera Pairing menu, you can assign a camera number to different camera units. In the Main Menu, press the CAMERAS icon.

Choose BEDROOM 1 (camera included in package) or PAIR (3 icons).



4.13.1 Pairing A Camera

To pair a camera, please follow steps below to pair it with the monitor unit.

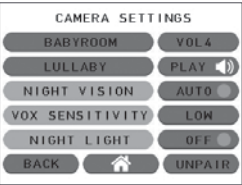
- 1. Power on both the monitor and the new camera unit.
- 2. Press the menu icon to enter the user menu.
- 3. Select Cameras.
- 4. Choose a camera slot for the new camera unit. It is advised to use a camera slot that is available.
- 5. Open the battery door of the camera unit.
- 6. Find the PAIRING button near the DC jack. Press and hold it for three (3) seconds.
- 7. The user menu will indicate when the pairing process is completed.
- 8. Go to Camera Selection Menu and choose the new assigned camera number.

*Note: The monitor unit will search for the new camera for 30 seconds. If you fail to pair within this time, you may repeat step 4 as necessary. While the camera is in pairing mode, the night light will flash. For troubleshooting and FAQ, please refer to the Troubleshooting and FAQ section in this manual.*

4.14 Camera Properties Menu

This section contains instructions on how to select different camera units and set their properties.

The properties of each setting are shown below.

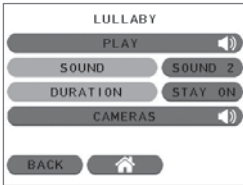


Setting	Description	Options
Camera Name	Select the camera units in use and their properties will be shown	Bedroom1-4, Babyroom, Nursery, Playroom, Kitchen, Basement
Volume	The volume level of camera unit	1-5
Lullaby	Select Lullaby; Play Sound	Sound: 1-5 / Stay On: 1 min., 10 min., 30 min.
Night Vision	Enable, Disable or set Auto for night vision function	Auto, On, Off
VOX Sensitivity	High Sensitivity VOX will be triggered at a lower sound level. Low Sensitivity VOX will be triggered at a higher sound level.	High, Medium, Low
Night light	Enable or Disable night light function	On, Off
Unpair	Unpairs the camera	Confirm: Yes/No

*Note: Camera properties can only be viewed while the camera is connected. If the camera is not connected, the menu will give you a choice to Reconnect, or Delete Pair.*

## 4.15 Lullaby Menu

On the camera unit, there are five (5) preset lullabies available. In the Main Menu, press the LULLABY icon. From here you can select SOUND, DURATION, and CAMERAS. Enable/disable PLAY. The properties of each setting are shown below.



Setting	Description	Options
Cameras	Select the camera unit to play lullabies	1-4
Sound	Select the preset song number to be played back	1-5
Duration	Choose duration to play Lullaby	1 min, 10 min, 30 min, Stay On.
Play/Pause	Play or Stop the lullabies playback	Play, Pause

## 5. Troubleshooting And FAQ

### Q. Screen shows no image / blank.

A. Make sure both the monitor and camera unit are powered on. The green or orange LED on the power button will light and indicate the system is on.

If the power LED does not light, please check if the A/C adapter is properly installed at both DC IN jack and wall outlet. (For troubleshooting purposes, please connect the monitor unit and camera unit to the A/C adapter instead of using the Lithium battery)

If the power LED is lit but there is still no screen, remove the battery and unplug the A/C adapter from monitor and camera unit, and wait sixty (60) seconds. Then plug in the A/C adapters again and try to power on the system again.

### Q. I can see the opening screen and the status bar, but the screen shows "Out Of Range".

A. The message indicates that the monitor unit cannot communicate with the camera unit.

First check the camera number at the left of status bar. Then make sure the corresponding camera is powered on. You can select the correct camera number by following the steps mentioned at 4.13.1.

If the camera number is correct and the camera unit is powered on, try to shorten the distance between monitor unit and camera unit, and avoid any obstacles between the two units.

### Q. How can I get the best signal reception?

A. Our wireless monitoring system is capable to work at a distance of up to 900 feet in an open area.

However, obstacles like walls, and other 2.4GHz devices like WiFi routers, cordless phones, etc. will sometimes affect the signal transmission. To obtain the best signal reception, fully extend the antenna of monitor unit. In addition, place your camera unit vertically to further improve the signal reception.

### Q. Why do I get a black and white image on screen?

A. This is the night vision image by infrared light. By default, the system will automatically turn on the night vision function to capture the image in a dimly lit area. You can manually turn this on or off from the user menu as mentioned in section 4.14 of this manual.

### Q. How can I avoid the shrill sound (feedback noise)?

A. Avoid placing the monitor and camera unit too close together. The closer both units are together, the louder the shrill sound will be.

Adjust the volume level on both the monitor (from 'VOL +' and 'VOL -' key) and camera unit (in the user menu) until it renders a desirable sound level.

**Q. What is ECO MODE and how does it work?**

*A. Its main purpose is to conserve battery by shutting off the display and allowing the monitor unit to “wake up” from ECO mode when noise is detected near the camera unit.*

*Entering ECO mode: Select the duration before entering ECO mode. (section 4.10) Within this period, the system will start its timer to detect noise from camera unit. If noise is detected, the timer will restart. If there is no noise during this period, the monitor unit will enter ECO mode.*

*Leaving ECO mode: To manually force the system to leave ECO mode, press any button on the monitor unit. If the camera unit detects noise, the system will leave ECO mode automatically. The sensitivity of noise detection can be adjusted in Camera Properties Menu (section 4.14). A high sensitivity setting means the VOX will be triggered at lower sound level. A low sensitivity setting means the VOX will be triggered at a higher sound level.*

**Q. Why does the sound cut in and out all the time?**

*A. This is likely caused by the Auto Mute function. Auto Mute function is designed to eliminate white noise (background noise) when the detected sound level is low. It will shut down the speaker when 10 seconds of continuous silence is reached. If the environment is at marginal sound level, it may lead to the sound cutting in and out. To remedy this, disable the Auto Mute function as described in section 4.10 of this manual.*

**Q. Why does the system emit a beeping sound with a high or low temperature warning?**

*A. Both the beeping sound and temperature warning are the alerts for a high/low temperature warning. This warning is displayed when the camera detects a room temperature that is either above or below the desired temperature level range.*

*You can enable or disable the temperature warning sound as described in section 4.8 of this user manual.*

**Q. Why can I not hear the environmental sound when a lullaby is playing?**

*A. Because the speaker and microphone are placed in the same device, and their relative distance is much shorter when compared to the environmental sound sources, the music will cover all environmental sounds during lullaby playback.*

*You may select different playback modes (1 min., 10 min., 30 min., or Stay On) as mentioned in section 4.14 of this manual. The system will detect environmental sounds when lullaby playback has ended.*

**Q. Is it possible to configure different camera units with different settings?**

*A. Different camera units may store different user-defined settings. The following functions are available for user configuration:*

- Camera Name
- Volume (At Intercom mode or lullaby playback)
- Lullaby
- Night Vision
- VOX Sensitivity
- Night Light

*Follow the instructions in section 4.14 to configure the above functions with different camera units.*

**Q. Can I support multiple monitor units with one camera unit?**

*A. No. The monitor unit supports only four (4) different camera units simultaneously. For security reasons, the camera unit can only register one monitor unit at a time.*

*Warning! Do not attempt to open the casing of the monitor unit and camera unit or the Lithium battery. Improper use of the system may cause fatal damage and will void the warranty.*