

# **PORTABLE DIGITAL WIRELESS MONITORING SYSTEM**

INSTRUCTION MANUAL

**MODEL:CMD6572SR**



## Features

- Digital wireless technology provides excellent image quality and clarity
- Interference free, secure and private signal
- Up to 460ft wireless transmission range <sup>①</sup>
- Listen in with exceptional sound clarity
- Safety warning feature notifies you when out of range
- Music in 3 selections
- System expandable up to 4 cameras <sup>②</sup>
  - <sup>①</sup> Maximum open space transmission range. The actual range is dependent upon building materials and other obstructions in path of wireless signal.
  - <sup>②</sup> Additional cameras sold separately.
- Two-way audio communication
- Camera room temperature display on monitor

## Camera Features

- VGA resolution camera
- Night vision allows for low light viewing up to 15 feet / 4.5 meters <sup>③</sup>
- Built-in microphone
- Camera can be battery operated for true portable wireless operation
  - <sup>③</sup> IR illumination range of 15ft/4.5m under ideal conditions. Objects at or beyond this range may be partially or completely obscured, depending on the camera application.

## Receiver Features

- 7" color LCD monitor/receiver with superior image quality
- Video/Audio output for viewing on TV/Monitor or recording on VCR/DVD recorder
- Rechargeable lithium polymer battery for true portability
- Audio level indicator and alarm
- Displaying stored pictures in scan mode (screen saver)
- Baby room temperature display
- Touch button for more fashion design

## Getting Started

The system comes with the following components:



Wireless Camera



Wireless Receiver



Power Adapter  
(For Camera)



Power Adapter  
(For Receiver)



RCA Cable



Screw

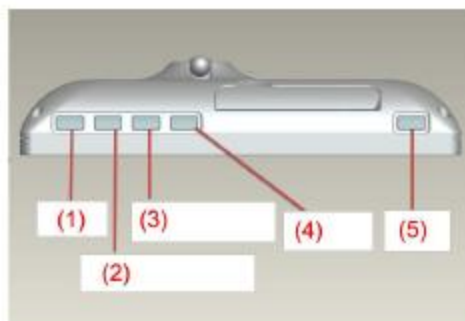
Check your package to confirm that you have received the complete system, including all components shown above.

## Wireless Receiver

### Front/Back Controls

#### Top button controls

**1. SCAN Button** – When the **SCAN** button is pressed, the LCD screen is turned off and the system continuously scans all available cameras while the monitor is dark. The scan feature can be used for the following two reasons: (1) to prevent you from being disturbed (i.e. when sleeping) by the bright LCD screen, or (2) to conserve battery power. If audio is detected above the preset audio trigger level on the camera(s), the receiver will beep and display the image from the triggered camera. The receiver will return to scan mode about 8 seconds after the alarm has completed. Press "Manual", "Auto" touch button or "SCAN" button will exit scan mode.



**2.Video ON/OFF Button**—Press On/Off button will turn off LCD screen. Press again to turn on LCD screen back to video live mode.

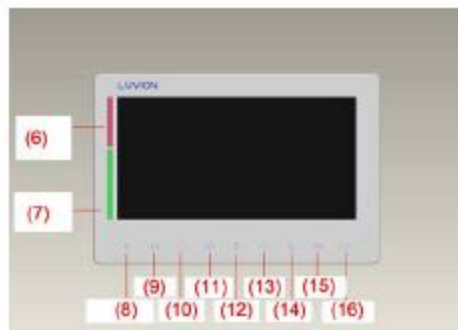
**3. Night Light Button** – Press to remotely turn on/off the night light on the camera (for the camera currently being displayed on the LCD screen). When the night light is on, an indication icon will be displayed on the LCD screen.

**4 Quad-** Press **Quad** button to view the images in quad mode. Press **Quad** button or **Auto** touch buttons to exit from quad mode to automatic switching mode, press **Manual** touch button to exit from quad to manual switching mode.

In the Quad mode, the LCD screen display cam1,cam2,cam3,cam4 for each channel. No Signal, low signal, or camera off will display " out of range "on the LCD screen with corresponding channel.

**5. TALK Button** – Press and hold the button to talk to the camera currently being displayed on the LCD screen.

#### Front Touch Button Control



6. Sound bar-. The red LEDs indicate the audio levels (low to high)
7. Power Led- The green LED indicates the receiver power is ON or OFF
8. Play/Stop-In the video mode, touch button "Play/stop"to start or stop the lullaby
9. Next- Touch this button to play next lullaby.
10. Zoom- Achieve large image on this function.

Touch this button enter into double size mode. Touch button VOL+/VOL-/AUTO/Manual to view the parts of the LCD screen. Touch this button again to exit zoomx2 function.

In the double size mode, an indication icon "x2" will be displayed on the LCD screen.

11. Auto- In the Menu model : touch this button to move left.

In the Zoomx2 model, touch this button to view out of LCD screen on the left.

In the live video model, touch this button to view cameras in automatic switching mode every six seconds

12. VOL- -In the Menu model : touch this button to move down.

In the Zoomx2 model, touch this button to view out of LCD screen below.

In the live video model, touch this button to decrease volume

13. OK button ---all the function setting need to press down the "OK" button to confirm . Press " Menu "button to cancel the setting and return back the last menu

14. VOL+ In the Menu model : touch this button to move up

In the Zoomx2 model, touch this button to view out of LCD screen top

In the live video model, touch this button to increase volume

15. Manual- In the Menu model : touch this button to move right.

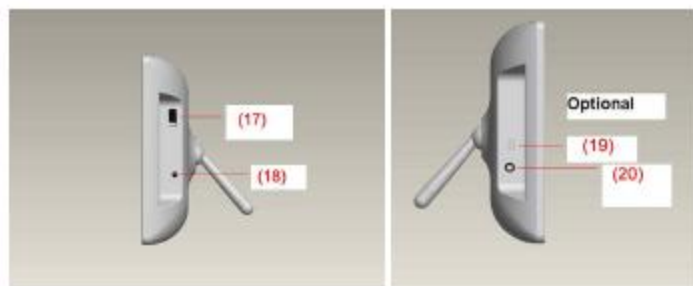
In the Zoomx2 model, touch this button to view out of LCD screen on the right.

In the live video model, touch this button to manually switch between all activated cameras

16. Menu--- Touch this button to access the receiver menu options, Touch menu again to exit.

Enter the menu Interface, it will exit the menu automatically ,if do not press any button for more than 20 seconds

#### **Side button control**



17. Power On/off - Slide the switch to ON or OFF position to switch on/off the receiver.

18. A/V out- - Connect the included A/V cable to view video from the receiver on a TV or monitor, or record on a DVD recorder/VCR.

NOTE: Using this feature will turn off the LCD screen. The LCD screen will turn back on when the A/V cable is disconnected.

19. USB out ((Optional Use)-

20. DC jack 5V- Connect the included DC 5V power adaptor to power the receiver and/or charge the receiver battery

NOTE: When the receiver is docked, and the A/V cable is connected (power cable as needs to be connected), the LCD screen on the receiver will be blacked out. The LCD screen will turn back on when the A/V cable is disconnected.

## Wireless Receiver Installation

Determine if you will be using the receiver cradle, or connecting the cables directly to the receiver before installation:

1. Place the receiver cradle or receiver in a place that will have clear reception with your camera(s).
2. Plug the AC adaptor power output cable into the 5V POWER input of the cradle or receiver. Plug the power plug into a wall outlet or surge protector.
3. Leave the receiver to charge for several hours prior to first time use so the built-in rechargeable receiver battery is fully charged. DO NOT remove the power cable from the receiver / from the cradle during initial charge process. After initial charge, charge the receiver as required.
4. If you wish to view the receiver images on a larger screen, connect the included AV cable to the cradle or receiver, and connect the other end of the cable to the Video IN (Yellow) and Audio IN (White) ports on the TV, VCR or other viewing/recording device.

NOTE: the purpose of the AV output is for convenience only. When using with large screen TV/Monitor, the picture might be grainy as the camera limits video resolution to VGA (640x480 pixels). This is not a product defect. For best performance use with TV/Monitor PIP (Picture in Picture) function.

Check your TV/Monitor product manual to see if this feature is available on your TV/Monitor. This allows you to view TV or other video source and see video from the camera in a small window on the same screen.

## Wireless Camera

### Front & Back Controls

1. **Camera Antenna** – Sends & receives signals to or from the receiver.

The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operated in conjunction with any other antenna or transmitter.

2. **Night Light Switch** – Press to turn the night light ON or OFF. Alternatively, press the light button on the receiver to remotely turn the camera light ON or OFF.

Note: Night Light is available only when the camera is paired to the receiver.

3. **Lens/IR LED Cover** – Infrared LEDs provide viewing in no/low light conditions

4. **Microphone** – Receives sounds for the area near the camera, and transmits sound from the camera to the receiver.

5. **DC 5V Power** – Connect the DC 5V power adaptor to the camera

NOTE: The camera can also be powered using 4 AA batteries (not included) installed in the base. If the camera is plugged in with the AC adaptor, the batteries will not be used. The batteries are intended for



short term, portable camera use.

**6. Pair Button** – The pair button is located on the back of the camera behind the stand mount.



### Side Controls

**7. Temperature Sensor**— Use to make a temperature induction at the camera side

**8. Sensitivity** –Adjust the sensitivity knob to set the sound alarm sensitivity. The receiver will beep to alert you when the sound is above a preset sound level. Adjust the sensitivity knob to increase or decrease the level.

**9. ECO switch**—Slip switch from low to high to enhance transmitting signal.

**10. Volume**—Press to increase or decrease the volume of the audio alarm.

**11. Camera ON/OFF Switch** – Turns the camera ON or OFF.

### Night Vision

This camera has built-in IR LEDs, which provides the camera with the ability to view images in no/low light conditions. It is important to use the provided power adaptor (and not the batteries) when using the camera for prolonged periods in low light conditions, as the built-in IR LEDs will drain the battery more quickly than regular daytime use.

### Camera Installation

Before you install the camera, carefully plan where and how it will be positioned, and where you will route the cable that connects the camera to the power adaptor.

Before starting permanent installation, verify its performance by observing the image on the receiver when camera is positioned in the same location/position where it will be permanently installed and the receiver is placed in the location where it will be used most of the time.

1. Carefully unpack the camera.

**NOTE:** If you are installing cameras that did not come with the system, please see the pairing camera section of this manual for details on installation.

## 2. Mount the camera to the wall.

Mark the position of the screw holes on the wall, and drill holes and insert 2 screws, then firmly attach the camera to the wall by placing the stand over the installed screws and pushing the base downwards.

NOTE: The camera can also be placed on a flat surface, such as a Table or Shelf, and no mounting hardware is required.

## 3. Adjust the viewing angle of the camera

NOTE: You can install additional cameras (maximum of 4 cameras). When adding cameras that were not included in the original box, you will need to pair up the cameras with the receiver. Refer to the camera pairing section of this manual.

### Installation Warnings

Aim the camera(s) to best optimize the viewing area: Select a location for the camera that provides a clear view of the area you want to monitor, which is free from dust, and is not in line-of-sight to a strong light source or direct sunlight.

Avoid installing the cameras where there are thick walls, or obstructions between the Cameras and the Receiver.

Do not install camera in those area which is easy for baby to touch; Make sure the camera is installed stable and not fall down.

### Connecting Camera Power

The camera can be powered either by using the provided power adaptor, or using batteries (requires 4 AA type batteries, not included).

NOTE: Wireless cameras require a power source (either an electrical outlet or battery power) to operate. If you plan to permanently mount the camera in a location, it is recommended to use the included camera power adaptor to prevent interruptions in the image, as using battery power is intended as a temporary power solution.

#### Power Adaptor

Connect the power adaptor to the camera. Make sure the power adaptor is placed into a grounded outlet or surge bar to protect the camera from power fluctuations.



#### Battery Pack

1. Remove the battery cover off the base of the camera.
2. Insert 4 AA batteries (not included) into the Battery Pack. Make sure to correctly line up the Positive (+) and negative (-) terminals of the batteries.
3. Place the battery pack cover back on.

NOTE: If the camera is plugged in with the AC adaptor, the batteries will not be used. The batteries are intended for





short term, portable camera use only.

## Viewing Mode

**1. Signal Indicator** – The signal indicator shows the strength of the signal being received from the camera. The number of bars in the signal indicator shows the strength of the signal – One or No Bars indicates the signal is poor, and 4 bars indicate a very strong signal.

**Signal Indicators:**

SignalStrength	Indicator	Warning
Perfect		None
Good		None
Fair		Low Signal
Low		Low Signal
No Signal		No Signal



**2. Channel Indicator** – Displays the current channel number. Press the touch button Manual on the receiver to switch between available cameras.

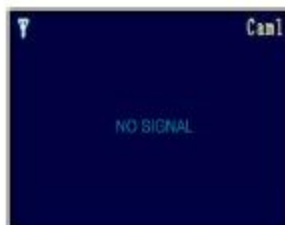
Note: To automatically switch between channels, press the touch button Auto.

## Low Signal / No Signal Warnings

When the camera is positioned too far from the receiver, warning messages "Out of Range" will be displayed, and there will be one beeps sound alert every one minute to remind you the no signal



**LOW SIGNAL:** The "LOW SIGNAL" appears when the receiver has one or two bars. You will still get an image, however updating may be less frequent.



**NO SIGNAL:** The "NO SIGNAL" message means the receiver cannot access the camera. Please reposition the camera, or check the camera power.

## Adjusting the Receiver Volume

The receiver volume can be adjusted by using the touch button VOL-/VOL+ when viewing a camera.

Press the touch button VOL- to decrease the volume, and press the touch button VOL + arrow to increase the volume. When the



volume is set to one bar (lowest setting), the volume is muted.

The volume adjustment icon will be displayed during volume changes, and will disappear after 10 seconds of inactivity.

## Accessing Menu System

Press the **MENU** button on the receiver to enter menu system. Use the VOL+/VOL-/AUTO/Manual touch buttons to navigate up/down/left/right in the menu, and press the **OK** touch button to confirm a setting.

### Main Menu

The Main Menu contains 4 submenus:

1. **Pairing** – Use the pairing menu to add camera(s) to the receiver.
2. **Brightness**- use to adjust the brightness of the image.
3. **Auto Mute** – Auto mute function is to automatically cut off the audio when there is only slight environmental noise on camera side. In the submenu you can switch on/off this function
4. **SETTING** – In this submenu you can set alarm volume, Temp.alert, Temp.display, choose the TV system for A/V output, select screen saver pictures , and reset the receiver to factory defaults (erases all configurations).

### Settings

The Setting Menu contains 6 submenus:



- 1) **Alarm Volume**— Sets the volume of alarm. (Default alarm volume is 3 bars)
- 2) **Temperature Alert** – Sets the temperature alert range. Once the temperature on camera side is out of the range, the receiver will beep to alert you every one minute until temperature on camera side is at the

range of temp.setting

3)Temperature display—Choose the °C or °F for temperature unit (Default Temp.unit is °C)

4). A/V Out – Chooses the TV system for A/V output. (Default TV system is PAL)

5). Screen Saver – 5 pictures are stored in the system. You can select one picture to make it be shown on the LCD screen in scan mode. Or you can select Blank screen to make the LCD screen display nothing in scan mode. (Default is Picture 2 )

6).Default– Choose Yes to reset the receiver to factory defaults. All menu settings will be reset, except date & time value. (Default is NO)

NOTE: Resetting the receiver will not reset all camera pairing.

### Alarm Volume

This menu is to adjust the volume of alarm while receiver receive sound trigger signal on the camera side.

Press VOL+/VOL- touch button to increase or decrease the volume



### Temperature Alert

The menu is to set the temperature range of audio alert. When the temperature on the camera side is out of the range, the receiver will beep to alert you every one minutes until temperature on camera side under the range of setting.

Press the touch button Auto and Manual to select low temperature or high temperature. Then press the touch button VOL+ and VOL- to set the temperature value. After successfully setting the temperature range choose **ON** and then press the **OK** button to confirm the setting.

Choose **OFF** to disable temperature alert function.



Temperature Alert Range

Low Temperature:  °C  
High Temperature:  °C



### Temperature display

The °C or °F unit has exist to been selected to show the temperature in the receiver screen



°C

°F

### A/V Out

The menu is to choose the TV system when outputting the video/audio to TV, DVR/VCR or other viewing devices.



NTSC

PAL

### Screen Saver

5 pictures are stored in the system. You can select one picture to make it be shown on the LCD screen in scan mode. Or you can select Blank screen to make the LCD screen display nothing in scan mode.



Panel display in scan mode

Blank screen

Picture 2

Picture 1

Picture 3

Picture 5

### Default

Choose Yes to reset the receiver to factory defaults – all menu settings will be reset except Date & Time setting

NOTE: Camera pairing settings will NOT be affected by a reset. Cameras will remain paired with the receiver.



NO

YES

### Auto Mute Menu

Auto mute function is to automatically cut off the audio when there is only slight environmental noise on camera side. Choose Yes to enable this function.

When auto mute function is enabled, the monitor receiver will be cut off after 5 minutes when there is only slight environmental noise on camera side.

In auto mute mode, the audio can be activated by real noise or higher sound detected on camera side. After last activation, the receiver audio will go back to off status when there is no sound trigger within 5 minutes.

The default in auto mute function is NO



### Brightness

The Brightness is used to adjust the brightness of the image.

Use the touch button Auto- and Auto+ to change the bar from DARKEST (left) to LIGHTEST (right). Press the touch button OK button to confirm the change.



### Pairing Menu

The system comes with camera(s) that have already been paired. The pairing function assigns each camera to a different channel on the wireless receiver (up to 4 Cameras), and it is necessary for configuring additional cameras.

Use the touch button VOL+ and VOL- to select the desired pairing channel, and press the touch button "OK" to begin the pairing process with a camera.

NOTE: It is highly recommended to pair the cameras to the receiver before permanently mounting the cameras. See the pairing section on this manual for details.



## Camera Pairing

The system comes with camera(s) that have already been paired. These cameras will communicate with the receiver once powered on.

The pairing function assigns each camera to a different channel on the wireless receiver (up to 4 cameras), and is necessary for configuring additional cameras.

NOTE: It is highly recommended to pair the cameras to the receiver before permanently mounting the cameras.

1. Power on the camera by connecting the power adaptor or battery pack, and turning the switch to ON. The power LED for the camera should be ON.
2. Power on the receiver by connecting the power adaptor to the 5V Input on the side.
3. Press the touch button MENU on the receiver. Navigate to the Pairing menu option by pressing the touch button VOL+ / VOL- / AUTO/MANUAL to navigate. Press the touch button OK to open the Pairing menu.
4. Select a channel by pressing the touch button VOL+/VOL-. Press the touch button OK on the receiver to accept.

A message will be displayed on the receiver screen.

The receiver will count down from 30~0 – you must press the Pair button on the camera during this time to successfully pair the camera.

If the button on the camera is not pressed, the receiver will return to the view screen, and no pairing will take place.



6. Press the Pair button on the back of the camera.

Once the camera has been paired, it will be immediately viewable on the receiver monitor.



## Troubleshooting

If you have problems with the system, there is often a quick and simple solution. Please try the following:

Problem	Solution
No picture from a camera	<ol style="list-style-type: none"><li>1. Check all connections to the camera. Make sure the adaptor is plugged in.</li><li>2. Make sure that the cameras and receiver are both ON.</li><li>3. Make sure that the camera is in range of the receiver.</li><li>4. If using the battery adaptor, try replacing the batteries</li></ol>

The picture is dropping	<ol style="list-style-type: none"> <li>1. Move the camera closer to the receiver.</li> <li>2. Try repositioning the camera, receiver or both to improve the reception.</li> <li>3. Adjust the monitor antenna to vertical position.</li> </ol>
Audio problems	<ol style="list-style-type: none"> <li>1. Ensure that the volume on the TV is on.</li> <li>2. Make sure that there is sound within range of the camera microphone</li> <li>3. If the unit emits a loud screeching noise (feedback), move the camera or receiver farther apart.</li> </ol>
The picture is or has become choppy	<p>The picture may become choppy when experiencing a lower frame rate (i.e. 10 frames per second vs. a higher 20 frames per second).</p> <ol style="list-style-type: none"> <li>1. Try moving the camera closer to the receiver.</li> <li>2. Remove obstructions between the receiver and camera.</li> <li>3. Adjust the monitor antenna to vertical position.</li> </ol>
The Picture appears to be grainy when using AV out function to view on a large screen TV/Monitor	<p>The purpose of the AV output is for convenience only. When using with large screen TV/Monitor, the picture might be grainy as the camera limits video resolution to VGA (640x480 pixels). This is not a product defect.</p> <ol style="list-style-type: none"> <li>1. For best performance use with TV/Monitor PIP (Picture in Picture) function. Check your TV/Monitor product manual to see if this feature is available on your TV/Monitor</li> <li>2. View video on a smaller screen TV/Monitor</li> </ol>

## Appendix #1 - Receiver Specifications

Receiver	
Receiving Frequency Range	2400MHz~2483.5MHz
Data Rate	1.5 Mbps
Receiving Sensitivity	-81dBm
Demodulation Type	GFSK with FHSS
Resolution	H: 480 V: 234
Viewing Angle	H: 70° V: 65°
A/V Output / Resolution	VGA 640x320 / 15FPS, QVGA 320x240 / 30FPS
Alarm Sensitivity	80dB $\pm$ 10% (1M)
Power Requirement	5V DC $\pm$ 5%
Power Consumption	800mA Max without charging 1200mA with charging
Operating Temp Range	14°F ~ 140°F (-10° ~ 60° C)
Operating Humidity	0 ~ 85% RH

## Appendix #2 - Camera Specifications

Camera(s)	
Transmit Frequency Range	2400MHz~2483.5MHz
Data Rate	1.5 Mbps
Transmitting Power	14dBm (TYP)
Modulation Type	GFSK with FHSS
Transmitting Distance	150m (Line of Sight)
Image Sensor Type	1/4" Color CMOS Image Sensor
Effective Pixels	H: 640 V: 480
Image Processing	Motion JPEG
Image Resolution / Frame Rate	H: 640 V: 480 / 30FPS Max
AES	On 1/2000 ~ 1/20 sec
White Balance	Yes
AGC / Range	On / 0dB~24dB
Lens	4.9mm / F2.8
Viewing Angle (Diagonal)	60°
Minimum Illumination	2.5 LUX (IR Off), 0 LUX (IR On)
IR LED / Night Vision Range	8 LEDs / 850nm, 5m (with IR LED)
Power Requirement	5V DC ±5%
Power Consumption	330mA MAX (with Night Light) 250mA (without Night Light)
Operating Temperature	14°F ~ 104°F (-10°C ~ 40°C)
Operating Humidity	0% ~ 85%
Environmental Rating	14°F ~ 140°F (-10° ~ 60° C)

### FCC NOTICE:

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.

FCC NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operated in conjunction with any other antenna or transmitter.