2.4GHz Wireless Digital Color LCD Baby Monitor with Night Vision

Model: SM-1024K (Kit)

Thank you for your purchase. Please read this manual thoroughly before use. Keep in a safe place for future reference.

CONTENTS

SAFETY NOTICE 2
FCC COMPLIANCE 3
MAIN FEATURES 4
MONITOR KIT COMPONENTS 4
MAIN PARTS 5
OPERATING INSTRUCTIONS 6
- PREPARING FOR USE 6
- PAIRING PROCESS 6
- POSITIONING 7
- OPERATION 7
- SIGNAL INDICATORS 7
- NIGHT VISION 7
- ZOOM IN / ZOOM OUT (adjust picture size) 8
- BABY UNIT VOLUME (adjust unit volume) 8
- EFFECT SET (screen orientation, contrast and saturation) 8
- SET UP (VOX, TV mode and brightness) 9
- CONNECTING TO TV 9

TROUBLESHOOTING 10
TECHNICAL INFORMATION 10
Your Guarantee 11

CAUTION

For your safety, use only attachments/accessories specified by the manufacturer. The manufacturer is not responsible for any loss or damage caused by the usage of a non-authorized attachments.

Important

The power supply plugs into a standard Type A outlet. Use of improper socket may cause electrical and fire hazard.

SAFETY NOTICE

- Check the cord for any signs of damage before use. If cord is damaged, do not use and contact the manufacturer.
- Do not use battery over the specified time period.
- Please fully charge the monitor's battery before initial use or after a long period of non-usage.
- To prolong the life of the lithium battery, please fully charge the battery before use. The battery should be fully discharged before charging again.
- Over-charge and over-discharge will shorten the battery life. When you notice the usage period of a fully charged battery has decreased significantly, it is time to change the battery.
- Battery is a consumable item, its lifespan will shorten with use.
- Avoid touching the DC converter with a conductor, such as rings or other jewelry.
- This baby monitor is intended as an aid. It is not a substitute for proper adult supervision and should not be used as such.
- Do not use while in bath, shower or pool.
- To prevent strangulation of power cord, do not place within reach of child. Do not use with extension cords.
- Do not drop, puncture or disassemble the camera/monitor.
- Do not expose camera/monitor to high temperature.

FCC COMPLIANCE

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

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 on 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.

Notice: Changes or modifications to the product could void the user's authority to operate the product.

MAIN FEATURES

- 2.4” LCD color monitor/receiver
- Digital wireless technology provides excellent image quality and clarity
- Interference-free
- Wireless video/audio monitoring
- 4 channels: 1 monitor supports up to 4 cameras
- Infrared night vision allows low light viewing up to 10 ft from camera
- High sensitivity microphone
- Easy to position camera with swivel-head
- 2-way communication
- Up to 330ft wireless transmission
- VOX standby mode (voice activated power saver mode)
- Both video monitor and camera can be powered by adapter or battery operated for true wireless operation
- Rechargeable lithium battery (monitor only)
- Camera uses 3 AAA batteries (not included)
- Belt clip

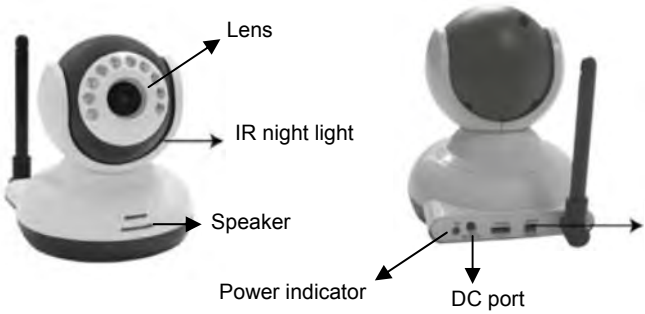
MONITOR KIT COMPONENTS

- Wireless Camera x 1 pc
- Wireless Monitor x 1 pc
- 5V Power Supply x 2 pcs
- AV Cable x 1 pc
- Instruction Manual x 1pc

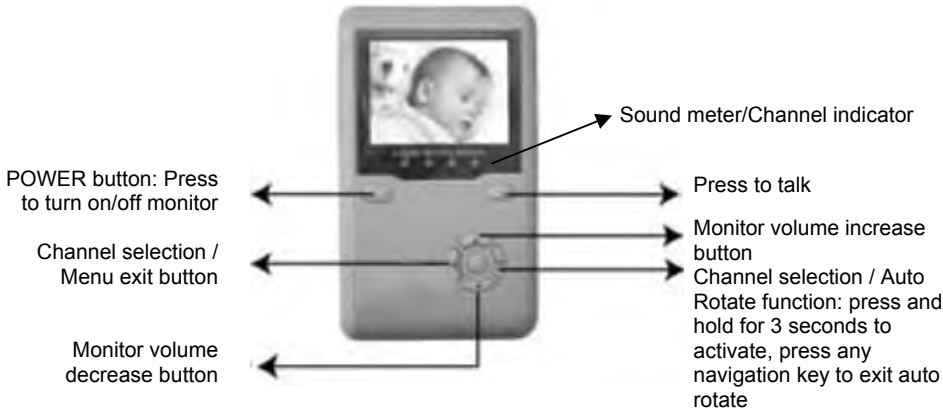
Please check the package to confirm all components are included.

MAIN PARTS

2.4G wireless camera



2.4” LCD monitor receiver



OPERATING INSTRUCTIONS

PREPARING FOR USE

Monitor: Battery operation (rechargeable battery)
The monitor is equipped with rechargeable lithium battery. Fully charge the monitor unit before initial use and whenever low battery is indicated.

- Insert adapter to DC port then connect to wall outlet.
- Press the power button to turn on. LCD screen will display battery symbol.

Camera - can be used corded or with 3 AAA batteries.
Corded operation:

- Insert adapter to DC port then connect to wall outlet.

Battery operation:

- Push in the clip to remove battery compartment lid.
- Insert 3 AAA batteries.
- Reattac h lid.

PAIRING PROCESS

1. Turn on the monitor and select Channel 1. Be sure CH:1 is displayed on screen.
2. Remove the protective lens cap from the camera.
3. Use pin to depress the paring key located on the back of monitor (see above image). The power indicator will flicker.

4. Press and hold the power button on the camera until picture appears on the monitor. (Red LED will illuminate and power indicator on the monitor will stop to flicker).

** To pair additional camera, first select the next available channel by using the right arrow key. LCD will display CH2 or CH3 or CH4. Repeat above steps.

Note: keep camera at least 3 feet away from receiver to prevent acoustic feedback.

POSITIONING

- Keep the camera out of baby's reach. Never place the unit inside or mount on baby's bed/playpen.
- Place on a stable and leveled surface
- Adjust camera head to ensure best visibility of your child.
- When monitor moves outside the operating rage, "NO SIGNAL" will be displayed on the screen.

OPERATION

- When image appears on the monitor, screen will also display Signal Strength – Channel – Battery Status.

SIGNAL INDICATORS

Signal Strength	Description
	Perfect signal
	Low signal
	No signal

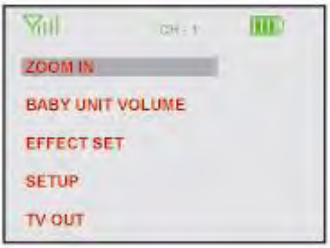
NIGHT VISION

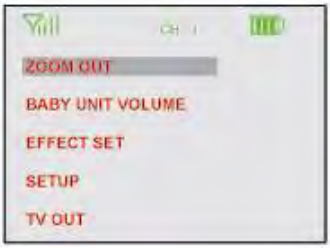
The camera(s) have built-in infrared LEDs allowing you to view up to a distance of 10 ft at night for 24-hour surveillance. The LEDs automatically activate at night and the monitor image turns from color to black and white image.

Main Menu - Press OK button to display the main menu:

- ZOOM IN (OUT)
- BABY UNIT VOLUME
- EFFECT SET
- SETUP
- TV OUT

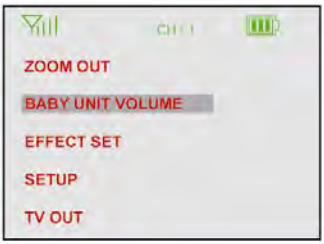
ZOOM IN / ZOOM OUT (adjust picture size)





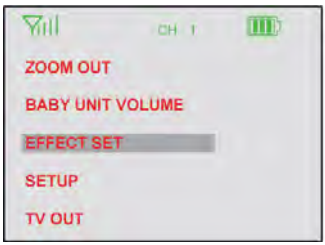
- Press OK to display main menu
- ZOOM IN/ZOOM OUT will be highlighted
- Press OK to Zoom in or Zoom out.
- Press the left arrow key to exit.

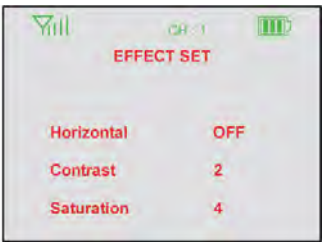
BABY UNIT VOLUME (adjust unit volume)



- Press OK to display main menu
- Press down arrow to highlight BABY UNIT VOLUME
- Press OK to display volume menu
- Press up/down arrow key to adjust volume. (0-9, low to high)
- Press OK to confirm (screen will return to main menu).
- Press the left arrow to exit.

EFFECT SET (screen orientation, contrast and saturation)

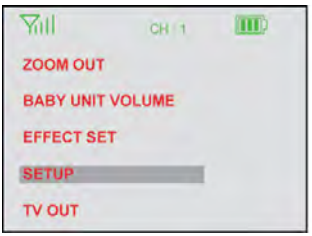




- Press OK to display main menu.
- Press down arrow to highlight EFFECT SET
- Press OK to display effect set menu

- **Horizontal:** press down arrow to highlight. Press right arrow to turn on/off mirror view.
- **Contrast:** press down arrow to highlight. Press right arrow to increase or left arrow to decrease image contrast. (0-8, low to high)
- **Saturation:** press down arrow to highlight. Press right arrow to increase or left arrow to decrease image saturation. (0-6, low to high)
- Press OK to confirm (screen will return to main menu).
- Press the left arrow to exit.

SET UP (VOX, TV mode and brightness)



- Press OK to display main menu.
- Press down arrow to highlight SETUP
- Press OK to display setup menu
- **VOX (automatic screen activation):** press down arrow to highlight. Press right arrow to turn on/off function.
  Note: when VOX is on, the monitor screen will turn off when camera does not detect any sound and turn on when sound is detected.
- **VOX Sense:** press down arrow to highlight. Press right arrow to select Low or High VOX sensitivity.
- **TV Mode:** press down arrow to highlight. Press right arrow to select PAL or NTSC (U.S. standard).
- **LCD Bright:** press down arrow to highlight. Press right arrow to increase or left arrow to decrease LCD brightness. (1-4, low to high)
- Press OK to confirm (screen will return to main menu).
- Press the left arrow to exit.

CONNECTING TO TV

In addition to viewing camera image on the monitor receiver, there is option to connect and view image on a regular TV:

- Connect AV cable to monitor's AV OUT port and color-match to TV's input ports.
- Press OK to display main menu
- Press down arrow to highlight TV OUT and press OK to select.

Note: In TV mode, LCD screen on the receiver will go dark but sound can still be heard.

TROUBLESHOOTING

Problem	Solution
No picture	• Make sure the cameras and monitor are plugged in. • Make sure the camera and monitor are in effective range. • Make sure the monitor is tuned to the correct input channel.
White image appears at night	• The camera's infrared LEDs shine invisible light that reflects off surfaces such as glass or mirror. Relocate or adjust camera position.
Interference	• Wireless cameras operate on the same 2.4GHz frequency as many other electronics, such as routers, cordless phones and microwaves. If possible, keep the cameras away from these devices.
Camera shuts off when switched from battery to DC adapter	• When DC adapter is connected, the camera auto shuts-off to protect the batteries. Press the power button to turn camera on again.

TECHNICAL INFORMATION

GENERAL	Transmission Frequency	2400MHz – 2480MHZ
	Transmission Power	12dBm
	Operating Frequency	2450 MHz
	Effective Range (unobstructed)	250m
	Modulation Mode	FHSS
	Operating Temperature	32°F to 140°F
	Operating Humidity	20% - 80% RH
	Consumption Current	150mA+15mA
	Power Supply	DC 5V
CAMERA	Pixel Image	NTSC: 510x492; PAL: 628x582
	Sensor	Color CMOS Image Sensor
	Horizontal Resolution	360 lines
	Viewing Angle	60 degrees
	Minimum Illumination	1.5LUX (IR off), 0 LUX (IR on)
	Band Width	4MHz
	Night Vision Distance	10 ft
	Battery Working Time	8 hours
	Motion Detection Distance	>5m
	Sound control Sensitivity	>60dBA
	Dimension	3.9(L) x 3.4(W) x 4.0(H) inches
	Weight	6 oz (no batteries)
	Frame	25
	IR LEDs	10
	Lens	F = 6.0 mm
RECEIVER	LCD Screen Type	2.4" TFT-LCD
	Effective Pixels	320x240
	Receiving Sensitivity	-85dBm
	Video System	NTSC / PAL
	Batter Working Time	5 hours
	Color Configuration	RGB
	Dimension	2.8(W) x 2.0(D) x 4.7(H) inches
	Weight	4.5 oz

Your Guarantee

If this product is found to be faulty as a result of faulty materials or workmanship within one year from date of purchase, it will be repaired free of charge.

This guarantee is subject to the following terms:

- Sunpentown must be notified of the fault.
- Proof of purchase must be presented to Sunpentown's nominated representative.
- The warranty will be void if the product if modified, misused or repaired by an unauthorized person.
- The warranty after repair will not be extended beyond the original one-year period.
- All replacement parts will be new or reconditioned.
- Parts, which are replaced, become the property of Sunpentown.
- The warranty applies for the use of the product in the USA only.

What is NOT COVERED:

- Warranty does not include freight charges.
- Incidental or consequential damage caused by possible defects with this product.
- Damage to product caused by improper power supply voltage, accident, fire, floods or acts of nature.
- Failure of product resulting from unauthorized modifications to the product.
- Improper installation or failure to perform the necessary maintenance.

This GUARANTEE is in addition to your Statutory Rights

SUNPENTOWN INTERNATIONAL INC.
14625 Clark Ave. City of Industry, CA 91745
Tel: 800-330-0388
service@sunpentown.com
www.sunpentown.com