

2.4GHZ WIRELESS H.264 DIGITAL MONITOR with 2.4" Screen



USER MANUAL

The pictures, diagrams and certain functions described in this manual may differ from the actual product due to different firmware version.

SAFETY AND GENERAL INFORMATION

Important information on safe and efficient operation of this product. Before operating your Wireless Baby Monitor, please read all these safety and operating instructions completely and then retain for future reference.

1. Your Baby Monitor is designed to be an aid and should not be used as a substitute for responsible and proper adult supervision.
2. Do not place the camera on any surface or mount it on any wall where the camera or the AC adapter cords are within baby's reach.
3. Never place the camera inside your baby's crib, bed or playpen.
4. Never cover the camera and monitor (e.g. with clothes, towels or blankets).
5. Position the camera, monitor and AC adapters to allow adequate ventilation.
6. Never use or place your camera and monitor in moist places or near water. For example, do not use near a bathtub, washbowl, laundry tub, kitchen sink, in a wet basement, etc.
7. To prevent overheating, keep the camera, monitor and AC adapters away from heat sources such as radiators, heat registers, stoves or other appliances (including amplifiers), which produce heat.
8. Keep the camera out of direct sunlight.
9. Disconnect the AC adapter from wall outlets during long periods of non-use.
10. Use only the AC adapters provided. Use of any others may damage the camera and/or monitor.
11. If traveling abroad, make sure that the voltage shown on the power adapters corresponds to the local power, before plugging in the AC adapters into the electric outlets.

FCC Notice to Users

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.

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.

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

CARE AND MAINTENANCE

1. Keep all parts and accessories out of children's reach.
2. Fingerprints or dirt on the lens surface can adversely affect camera performance. Avoid touching the lens with your fingers.
3. Should the lens become dirty, use a blower to blow off dirt and dust, or a soft dry cloth to wipe the lens.
4. Keep the camera dry. Precipitation, humidity and other liquids contain minerals that will corrode electronic circuits.
5. Do not use or store in dusty, dirty areas.
6. Do not use or store in hot areas. High temperatures can shorten the life of electronic devices and warp or melt certain plastics.
7. Do not store in very cold areas. When the system warms up, the moisture can form inside the case, which may damage electronic circuit boards.
8. Do not attempt to open the case. Non-expert handling of the device may damage the system.
9. Avoid dropping or strong shocks.
10. Operate the product using only the AC adapters included or provided as an accessory.
11. Do not overload electrical outlets or extension cords. This can result in a fire or an electric shock.

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MAIN FEATURES

- * Digital H.264 encoding & decoding technology
- * Transmit rate: 20-25Frames/second
- * Transmits up to 600 feet range in open area
- * Friendly On Screen menu for easy adjustments
- * Supports up to 8 cameras
- * Baby Monitor works in 2modes:Audio & Video or Audio only
- * In auto scan mode, the cycle time between cameras can be adjusted from 10-60 seconds
- * Digital zoom with selectable regions
- * Dynamic audio strength indicators
- * Voice Activation(VOX) Feature
- * Feeding Alarm setup Feature
- * Multi-Languages Support
- * Camera can be wall mounted or used on desktop

BOX CONTENT

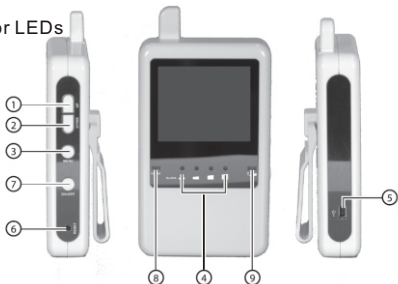
- 1 x transmitter with integrated camera
- 1 x receiver with 2.4" TFT display and loud speaker
- 2 x 5V DC 1000mA adaptors (for Transmitter and Receiver)
- 1 x rechargeable lithium ion battery for receiver
- 1 x integrated rechargeable lithium ion battery for transmitter
- 1 x USB cable
- 1 x camera mounting bracket
- 1 x user manual

NOTE: You can purchase replacement accessories for the receiver and transmitter.

Please use only original replacement accessories. We shall not accept any responsibility of material damage or personal injury in the event you do not heed these instructions, in which case all guarantee claims shall become null and void.

MONITOR

- ① Up button(Volume adjustment/Select camera/Menu navigation)
- ② Down button(Volume adjustment/Select camera/Menu navigation)
- ③ OK/Menu button
- ④ Visual Volume indicator LEDs
- ⑤ Mini USB connection
- ⑥ RESET button
- ⑦ ON/OFF/ESC button
- ⑧ Power and charging status indicator LED
- ⑨ Signal LED



NOTE: ON/OFF: Press and hold button for 3 to 5 seconds.
ESC: Press and quickly release button.

1. PREPARING BABY MONITOR FOR FIRST TIME USE

1.1 INSTALL RECHARGEABLE BATTERY IN RECEIVER



- Open the battery compartment by pressing the battery cover and sliding the cover in the direction of the arrow.
- Insert the rechargeable battery in the mold provided, being careful to respect the polarity (+/-) (see contact surfaces).
- Close the battery compartment.

Warning! There is a danger of explosion in the event the rechargeable batteries are not properly disposed off. Never use conventional batteries only use rechargeable lithium ion batteries.

1.2 CHARGING RECHARGEABLE BATTERY IN RECEIVER (MONITOR)

The rechargeable battery in the receiver must be fully charged before the device is used for the first time on battery power.

Warning: Replace old rechargeable battery only with original rechargeable battery. Conventional battery must not be used in the receiver.



NOTE: *The receiver will automatically turn on when plugged into AC power or computer's USB port.*

- To charge the rechargeable battery, plug the AC adapter (100-240 V AC/50Hz, 5 V DC/1000mA) into Mini USB socket.
- The battery starts charging automatically once the receiver is connected to AC adapter. When the receiver is turned on, the charging status indicator LED flashes green and the battery symbol on the display flashes. When the receiver is turned off, the charging status indicator LED flashes red and the battery symbol on the display shows battery symbol with charging status.
- The charging time for a fully discharged rechargeable battery when the device is turned off is approximately 5 hours. The charging time is doubled if the receiver is turned on while the battery is being charged. The charging status indicator LED stops flashing when the battery is fully charged.

Receiver battery can be charged using AC adapter or via computer's USB port using a USB cable.

3. USING THE RECEIVER(MOINTOR)

- Select flat surface to place the receiver.
- Power can be supplied to the receiver by using AC adapter, rechargeable battery, or from computer's USB port using a USB cable.

NOTE: *The receiver automatically turn on when power is supplied using an AC adapter or via computer's USB port.*

- The receiver can also be powered on when the ON/OFF/ESC button is pressed for 3 seconds. The power status indicator turns green and the welcome screen is displayed. After a short start-up phase the video from camera is displayed or CONNECTING CAMERA 1. message is displayed on the monitor screen. Pressing ON/OFF/ESC button for 3 seconds turns monitor off.

Note: If the camera is powered ON and within range but the monitor displays: CONNECTING CAMERA 1. Please reregister camera. The camera can be registered via the MULTI CAMERA menu option, see section 4.5 for details.

- When the monitor is plugged into AC adapter or computer's USB port, charging status indicator LED flashes indicating battery is getting charged.

4. RECEIVER (MONITOR) MAIN MENU

Use the following buttons to navigate:

MENU/OK button - - to display main menu and to confirm selection press MENU/OK button.

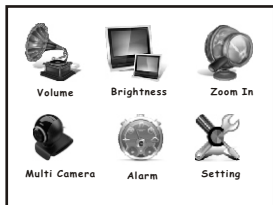
UP and DOWN buttons - - to move through individual menu options or change volume and brightness.

ON/OFF/ESC button - - to return to the main menu (press and quickly release.)

NOTE: All selections must be made within approximately 10 seconds, else the monitor will return to audio/video mode.

4.1 MAIN MENU

Press the Menu button to display Main Menu on the monitor screen, use navigation keys to pick a menu option and then OK button to confirm selection. Press Esc key to exit from the Main Menu.



Menu/OK → Main Menu

4.2 VOLUME

Use this option to adjust volume.



Menu/OK → Main Menu → Volume

Use up or down navigation keys to adjust volume.

NOTE: If up and down navigation keys are not assigned to manually switch between cameras(see section 4. 11 for details) the Volume can also be adjusted directly by using Up(Vol+) and down(Vol-) navigation keys.

4.3 BRIGHTNESS

Use this option to adjust screen brightness.



Menu/OK → Main Menu → Brightness

Use up or down navigation keys to adjust brightness.

4.4 ZOOM IN

Use this option to enlarge the picture or zoom in on a specific region of the picture, choose from 5 different specific regions: Center, Top Right, Top Left, Bottom Right or Bottom Left.

The specific region enlarged or zoomed in by 2X. Chose Original Size to cancel the enlarge or zoom out.



Menu/OK → Main Menu → Specific Regions, Original Size

4.5 MULTI CAMERA(REGISTER CAMERA)

Use this option to register camera if it is not already registered, before using it for the first time. This menu option is also used to register additional camera(s). This monitor supports up to 8 cameras. A camera must be registered before the monitor can receive audio/video from it.

Before registering camera please turn on both the receiver and transmitter.



Menu/OK → Main Menu → Multi Camera → Register Camera → Camera 1 → Register Camera 1? → Yes
On transmitter/camera → On/Off

Note: *Press and quickly release* the ON/OFF/PAIR button on the to complete pairing process.

'Thumbs up' sign is displayed on the camera list next to registered cameras.

Choose "No" to cancel the registration operation.

NOTE: If the registration process is not successful, repeat this process again.

You can unregister a camera in the event that you no longer need it. This is done the same way as camera is registered.

4.6 MULTI CAMERA(CAMERA SELECTION)

Use this option to manually select registered cameras or enable Auto Scan mode.



Menu/OK → Main Menu → Multi Camera
→ Camera Selection → Manual Selection

Select any of the registered cameras (Thumbs up sign next to the camera) to watch.



Menu/OK → Main Menu → Multi Camera
→ Camera Selection → Auto Scan

Use this option to select cycle time for camera display. Each registered camera gets displayed on the monitor for the duration selected under Auto Scan.

IMPORTANT NOTE: To disable auto scan or if only one camera is registered, set Auto scan to "Never".

4.7 ALARM(MORNING CALL)

This option is used to set individual MORNING CALL and the FEEDING ALARMS.



Menu/OK → Main Menu → Alarm → Morning Call

In order to set the respective alarm, select ALARM TIME. Using the UP and DOWN buttons to change the hours and minutes. Pressing MENU/OK button to move from hours to minutes. Press MENU/OK once more in order to confirm the setting.

NOTE: ALARM STATUS must be turned on to use Alarm function. Off is default setting.

The FEEDING ALARM is set the same way as MORNING CALL.

4.8 SETTINGS(DATE AND TIME)

Use this option to set the date, time and the time format (12hour/24hour).



Menu/OK → Main Menu → Settings → Date and Time

4.9 SETTINGS(CLOSE VIDEO TIME)

Use this option to set the standby time to turn off screen to save power or setup Audio Only mode.

If the camera does not detect sound in the set time, the screen turns off automatically and switches to Audio Only Mode.



Menu/OK → Main Menu → Settings → Close video time
→ Never, 15, 30, 60, 90, 120

If you want the audio and video to be on all the time, set close video time to "Never".

4.10 SETTINGS(SENSITIVITY)

The screen turns on automatically when the camera detects sound, and the sound level is louder than the set sensitivity. There are 3 levels of sensitivity to choose from Low, Medium, High. Or you choose "Never" under close video Time to disable Audio Only mode.



Menu/OK → Main Menu → Settings → Voice Activation
→ Sensitivity → Low, Medium, High

IMPORTANT: Voice Activation feature (switching from audio only mode to audio/video mode) can be disabled by setting activation sensitivity to "Never" (Sound is always on when activation sensitivity is set to "Never").

When Activation sensitivity is set to "Never" and monitor is in Audio Only Mode, the monitor will not switch to audio/video mode when sound is detected, it will only switch to audio/video mode if a key is pressed on the monitor.

Note: In Audio/Video mode, when there is no sound detected above set sensitivity level for 5 minutes, the speaker sound is muted. The sound is activated when sound above set sensitivity level is detected. Sound does not mute when sensitivity is set to "Never". See Table on next page for details.

4.11 SETTINGS(UP&DOWN BUTTONS FUNCTION)

Use this option to assign function to the UP and DOWN buttons on the monitor. By default, up and down buttons are assigned Volume control function, but if multiple cameras are being used and you want to manually switch between cameras, then use this menu option to assign Camera Selection function to up and down buttons.

NOTE: Once camera selection is assigned to the Up and Down button, the Volume menu option must be used from the Main Menu to adjust volume (see section 4.2).



Menu/OK → Main Menu → Settings
→ Up&Down Buttons Function

4.12 SETTINGS(BACKGROUND)

Use this option to select blue background or no background (black). Blue or black background is displayed when an error message is displayed on the monitor or when monitor is switching between cameras (multi-camera in use).



Menu/OK → Main Menu → Settings → Background Display

| Close Video Time | Voice Activation Sensitivity | Monitor Mode | Notes |
|-------------------------|-------------------------------------|--|--|
| Never | Never | Audio & Video always on | Speaker never mutes , and Audio & Video are always on. |
| Never | Low, Medium, High | Audio & Video always on | Speaker volume mutes after no sound is detected above the sensitivity level set for 5 minutes (video stays on). Volume is activated when sound above sensitivity level setting is detected |
| 15, 30, 60, 90 | Never | Switches to Audio Only mode (Black Screen) after time setting in Close Video Time has passed without sound detection | Speaker never mutes. Once monitor switches to Audio Only mode, it stays in that mode even when sound is detected. The only way monitor switches back to audio & video mode (displays video from the camera) is if a key is pressed on the monitor. |
| 15, 30, 60, 90 | Low, Medium, High | Switches to Audio Only mode (Black Screen) after time setting in Close Video Time has passed without sound detection | Speaker volume mutes after no sound is detected above the sensitivity level set for 5 minutes. Once monitor is in power save mode (Black Screen), it switches back to Audio & Video mode when sound above sensitivity level setting is detected |

4.13 LANGUAGE

Use this option to set the Screen Menu Display Language, choose from 5 different languages: English, French, German, Italian or Spanish.



Menu/OK → Main Menu → Languages

4.14 SETTINGS(SYSTEM INFORMATION)



Use this option to display System ID, firmware version and firmware release date.




Menu/OK → Main Menu → Settings → System Information

5. ADDITIONAL REMARKS

5.1 BATTERY STATUS

The battery status indicator displays  4 different charging states. When the solid battery symbol  is displayed, the rechargeable battery is fully charged.

The battery symbol  flashes when the rechargeable battery needs to be charged.

5.2 ALARM

If an alarm is set, the alarm symbol  will appear on the display.

5.3 SIGNAL STRENGTH INDICATOR

The signal strength indicator  works similar to mobile phone signal strength indicator, the signal bars change indicating camera signal strength.

5.4 RANGE

Transmission of wireless signal depends on the physical conditions, you can determine the range of your baby monitor by testing it in your surroundings. In open area under ideal conditions achieve a range of up to 200 m(600 feet). The actual range depends mainly on conditions like the location of the transmitter, the type of building construction material and presence of other wireless devices.