

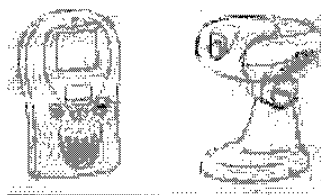
BABY MONITOR

FIRST-TIME PARENT FINDS IT A LOT

EASIER TO SLEEP AT NIGHT

USER MANUAL

**WIRELESS 2.4GHZ HANDHELD
BABY MONITOR
USER MANUAL**



Congratulations

Giving birth to baby is the happiest experience for Parents. They would offer their children the best living quality as they can take care of them whole-heartedly. Therefore, a baby monitor is a necessary baby care product that helps parents pay attention to every wonderful moment of their baby.

We have developed a 2.4G & 4 channels handheld slim size baby monitor that eliminates the interference from crowded 900 MHz band. A color LCD screen allows the parents to watch their child. In addition, parents are able to see their baby in bright black & white view of baby even in a darkened room.

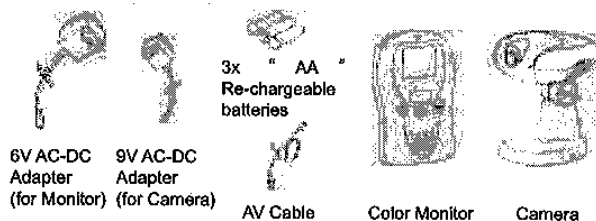
If you want to see a bigger image of the baby on TV, an AV cable is included to help you. First time parents may find it a lot easier to manage the feeding time of their baby, a digital alarm clock is incorporated to remind the parents, "It's time to feed the baby".

Please read all instructions thoroughly before using your Baby Monitor.

Table of Contents

Contents and Features-----	3
Safety Message and Warning-----	4
Care and Maintenance-----	5
Testing-----	6
Baby Unit Location& Set-up-----	6
Parents Unit Battery Installation-----	7
Operation Procedure-----	9
Troubleshooting-----	12
Technical Specifications-----	15



Content and Features

Note: the plug shape will change for different regions.

Features CAMERA:

1. ON /OFF Switch
2. Tilt Adjustment Knob. (Controls up and down tilt of camera for optimal viewing)
3. Night Vision LED's: Provides a black and white view of baby even in a darkened room.
4. Microphone.
5. Channel Switch 1,2,3,4
6. Power Indicator
7. Camera Lens
8. AC-DC Adaptor
9. AC-DC Adaptor Jack

HANDHELD MONITOR:

1. Power Indicator
2. Color display
3. LCD Digital Alarm Clock
4. Function Button
5. Speaker
6. UP/DOWN Button
7. Volume Control
8. ON/OFF Switch
9. Earphone Jack
10. Belt Clip/Monitor Stand
11. Battery Compartment
12. AV out Jack
13. AC-DC Adaptor jack

AC-DC Adaptor:

The AC-DC adaptors are low voltage power sources that allow you to use your household electricity to run the Baby Monitor. Connect the AC-DC Adaptors to the AC-DC Adaptor Jack in the Parents and Baby Units. Both plug into any standard volt electrical outlet in your home. It is recommended to turn off the units before plug in or unplug the adaptors

CAUTION: These adaptors were made with a specific design for this product. They cannot be used with any other appliance. Never use a different type of adaptor with this monitor.

Color Monitor Power Indicator

Indicator's Statues	Indication
Flashing Red Light	Batteries are charging
Green Light	Power is good
Flashing Green Light	Low Power

Safety Messages & Warning**WARNING!**

TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS PRODUCT TO WATER OR MOISTURE. NEVER ATTEMPT TO OPEN THE CASE OF EITHER THE BABY OR PARENTS UNIT. THIS IS DANGEROUS.

1. This product is not to be used as a medical monitor and its use should not replace proper adult supervision. It is important that an adult stays within the viewing range of the Baby Monitor at all time during use.
2. Always keep the Baby & Parents Units and AC-DC adaptor out of child's reach. Do not place the Baby Unit in child's crib or playpen.
3. It is essential to check reception regularly. Please see the Testing section for complete instructions.
4. The Baby and Parents Units are for indoor use only.
5. NEVER use the Baby or Parents Units near water, such as bathtub, bathroom sink, laundry tub, kitchen sink or in a wet basement etc.
6. Always unplug the AC-DC adaptors from wall outlets and remove the batteries from the Parents Unit during long periods of non-use.
7. Position the Baby & Parents Units and AC-DC adaptor to allow adequate ventilation and prevent these components from overheating.
8. To prevent overheating, keep the Baby & Parents Units and AC-DC adaptors away from heat sources such as radiators, heat registers, stoves,

<4>

other appliances(including amplifiers) or direct sunlight that produces heat.

9. Use only the AC-DC adaptors provided. Use of any other adaptors may damage the Baby & Parents Units. Plug the AC-DC adaptors into standard household current only! To prevent entanglement and overheating, DO NOT use extension cord.

10. Position the AC-DC adaptor cords so that they are not walked on or pinched by items placed upon or against them, paying particular attention to cords at AC-DC adaptor plugs, wall plugs, and the point at which the cords attached to the Baby & Parents Units.

11. The AC-DC adaptors and battery compartment of the Parents Unit may become slightly warm during operation. This is normal.

Care and Maintenance

1. The Baby Monitor is for indoor use only. Do not place the Baby Unit under direct sunlight. Outdoor use may damage the Baby & Parents Units.
2. Clean the outer surface of Baby & Parent Units with a cloth LIGHTLY dampened with water or a mild cleaning solution. Do not immerse any part of the product in water.
3. Do not drop the product or physically damage it, otherwise electronic components may be affected by such abuse.

Caution:

1. Always remember that you are using public airwaves when you use the Baby Monitor. Sound and video may be broadcasted to other receiving devices. Conversations, even from rooms near the Baby Unit may be broadcasted as well. To protect your privacy, always turn the Baby Unit off when not in use.
2. It is possible for the Parents Unit to pick up sounds or display interference from other signal producing devices including other audio or video monitors which broadcast in the 2.4GHz range. To minimize this potential problem, 4 independent channels are available for your use.
3. If the Parents Unit experiences Interference, simply switch both the Baby & Parents Units to another channel, selecting a channel is usually a one-time adjustment. If interference persists on all channels, please refer to the Troubleshooting Section at the end of these instructions.

Testing

It is very important to test the transmission of Baby Unit and reception of Parents Unit before use or whenever you change the location either Parents or Baby Units.

1. Place Baby Unit in room where you intend to use it. Position it in the most appropriate location for monitoring the baby (on top of a table, dresser, or on the wall). Turn on the Baby Unit by switching the ON/OFF switch to ON.
2. Direct the camera lens towards the area you want to see on the Parents Unit screen. While testing, it may be helpful to place an object, such as a doll or stuffed animal, in the area you want to monitor.
3. Place the Parents Unit in different locations you intend to use inside the house. As with any audio equipment, feedback or a high pitched sound may occur if the Parents and Baby Units are too close to each other.
4. Set both units into the same channel.

To test video reception quality

5. Check the video reception on the Parents Unit screen. Make sure you check the reception in all areas as you intend to use both units.
6. To adjust Brightness, Contrast, or Color, please refer to the Operation Section.
7. The Baby Unit will automatically switch to night vision mode when it is placed in a completely darkened room. In night vision mode, the picture will be black and white.

To test sound reception quality

8. Stay in the room with Baby Unit, speak in both a whisper and a normal conversation level from where the child is being monitored. During sound testing, keep in mind the sound level of your child and test accordingly.
9. Keep the Baby Unit far enough away from the Parents Unit to prevent feedback noise.

Baby Unit Location & Set-up

You can position and adjust camera in different ways to provide the best view of your baby. The Baby Unit can be easily mounted on wall, or simply placed on a stable, flat surface, such as a dresser, table top or shelving unit.

IMPORTANT: Once you have selected a location for mounting, test the reception of the Baby Monitor BEFORE installing any wall mount screws. If interference or other problems occur, please refer to the Troubleshooting Section.

WARNING:

In selecting a location to mount the Baby Unit, keep the following things in mind:

- To prevent entanglement, only mount the Baby Unit at where it and its AC-DC adaptor cord is OUT OF CHILD'S REACH.
- To prevent entanglement and overheating, only mount the Baby Unit at where the AC-DC adaptor cord can reach a standard wall outlet. Unwrap and fully extend the AC-DC adaptor cord .NEVER use an extension cord.
- For best viewing, position the Baby Unit approximately 3' (1m) away from the child.
- Mount the Baby Unit in a location where the camera lens is unobstructed. Use the tilt and swivel adjustments to properly aim the camera.
- Allow adequate ventilation of the Baby Unit when mounted on a wall. DO NOT mount it directly above heating vents, other heat generating sources or in direct sunlight.

Parents Unit Battery Installation**WARNING!**

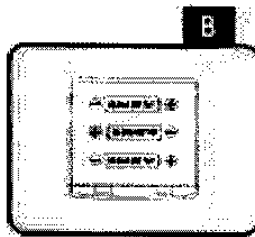
- Do not mix battery types (Alkaline, supplied re-chargeable batteries, or other re-chargeable batteries).
- Do not submerge any part of the Baby Monitor in water.
- Remove and dispose empty batteries promptly.
- Do not mix old and new batteries.
- Re-chargeable batteries are only to be charged under adult supervision.
- Non re-chargeable battery is not to be recharged.
- DO NOT short circuit supplied terminals
- Insert batteries as indicated inside the battery compartment
- The supplied re-chargeable batteries cannot be used in other devices.

1. Expose the battery compartment door on the back of the Parents Unit by pulling the belt clip downward and lift it up. It is not necessary to remove the belt clip to install the batteries (Figure A)



<7>

2. Install the supplied re-chargeable batteries into the battery compartment (Figure B). Close the battery compartment door and realign the belt clip.



3. For the initial use, we recommend the charging time is 12 hours, after that, recommended charging time is 10 hours. Use only the supplied 6V AC-DC adaptor for charging the supplied re-chargeable batteries. Plug into any nearby standard electrical outlet at home. When the batteries are charging, the power indicator lights up with flashing red color. When the batteries are fully charged, the power indicator is in green color if the power is switched on during charging. If the power is switched off, the power indicator will automatically shut down when the batteries are fully charged.

4. User can also install 3 alkaline AA batteries instead of the supplied re-chargeable batteries or directly operated by the supplied 6V AC-DC adaptor.

Note:

-The Baby Monitor will not work if the batteries are not inserted properly.

-If after several hours of continuous use, the Power Indicator will flash in green color. In this case, you need to re-charge the supplied Re-chargeable batteries or change new batteries. If not, the monitor will auto shutdown very soon.

Operational Procedure**Parents Unit**

1. Once batteries are inserted properly, the clock display turns on and you could see 12:00
2. Switch the ON/OFF switch to ON position. The power indicator lights up in green. At the same time, you should see the picture in the color display and hear sound from the speaker if Parents and Baby Units set on same channel.
3. Adjust the volume level by rotating the volume dial.

Baby Unit

1. Connect the Baby Unit with the supplied 9V AC-DC adaptor. Plug it into the nearest standard electrical outlet at home.
2. Turn on the unit by switching the ON/OFF switch to ON position. The power indicator lights up in green.
3. Switch  to set both units to the same channel until you receive the correct picture and clear voice on the Parents Unit.

SUMMARY OF CONTROL PANEL

Symbols shown on the clock display window	Mode/Functions
CH	Channel selection
CO	Color Setting
B*	Brightness Setting
CL	Contrast Setting
CL	Clock setting
AL	Alarm Setting
SD	Voice Activate Video Mode
PI	Picture Mode
SD	Voice Mode

A. Video/Audio Setting**1) Color Setting**

1. Press  until you see "C".
2. Press  to enter the color adjustment mode.
3. Press  or  to adjust the picture's color from 1 to 8 levels. Level 8 is the highest level.
4. To confirm the setting, Press  or leave the unit alone for 5 seconds to return to its normal operations.

2) Brightness Setting

1. Press  until you see "B".
2. Press  to enter the brightness adjustment mode.
3. Press  or  to adjust the picture's brightness from 1 to 8 levels. Level 8 is the brightest.
4. To confirm the setting, Press  or leave the unit alone for 5 seconds to return to its normal operations.

3) Contrast Setting

1. Press  until you see "C".
2. Press  to enter the contrast adjustment mode.
3. Press  or  to adjust the picture's contrast from 1 to 8 levels. Level 8 is the highest level.
4. To confirm the setting, Press  or leave the unit alone for 5 seconds to return to its normal operations.

4) Voice Mode

1. Press  until you see "V".
2. Press  to enter the voice ON/OFF mode.
3. Press  or  select "On" for the Voice Mode and "Off" for the Mute Mode.
4. To confirm the setting, Press  or leave the unit alone for 5 seconds to return to its normal operations.

5) Picture Mode

1. Press  until you see "P".
2. Press  to enter the picture ON/OFF mode.
3. Press  or  select "On" for the Picture Mode and "Off" for the Non-picture Mode.
4. To confirm the setting, Press  or leave the unit alone for 5 seconds to return to its normal operations.

6) Voice Activate the Video Mode

1. Press  until you see "V".
2. Press  to enter the Voice Activate Video mode.
3. Press  or  select "On" for the Voice Activate Video Mode, and "Off" for the Non-Voice Activating Mode.
4. After you set this mode, once the camera senses the loud sound (e.g. cry), it will automatically turn on the monitor unit.

5. To confirm the setting, Press  or leave the unit alone for 5 seconds to return to its normal operations.

Note: you can not change the settings of the Voice Mode or Picture Mode when the Voice Activating Mode is selected. You need to cancel it first then you can change the Voice Mode and Picture Mode

B. Channel Setting

1. Press   until you see "CH".
2. Press  or  to enter the channel selection mode.
3. Press  or  to select a channel.
4. Repeat step 3 until you hear a clear sound and receive a clear image on the Parents Unit, then press  to confirm the setting. Make sure the Baby Unit is in the same channel as the Parents Unit.

C. Clock Function

1) Clock Setting

1. Press   until you see "CL".
2. Press  to enter the Clock Setting mode.
3. Press  to select the HOUR or MINUTE digit to be adjusted.
4. Press  to select the desired numbers for that digit.
5. Press  to leave the mode once the clock is set.

2) Alarm Setting

1. Press   until you see "AL".
2. Press  to enter the alarm setting mode.
3. You should see  on the clock display window.
4. Press  again to enter the alarm setting or press   to cancel alarm setting, the symbol  will disappear.
5. To set alarm, press  to select the digit which will be adjusted.
6. Press  to select the desired number for that digit.
7. Press  to leave the mode once the alarm is set. You should see  still on the clock display window.

3) Stop Clock Alarm

1. Press   to stop the clock when ringing.

D. Connect the Parents Unit with TV Set

By connecting the Parents Unit with TV set, the video and audio will be displayed on the TV set.

1. Use the included AV cable to connect the monitor unit and the TV set.
2. Turn on the TV. Set it to the video viewing channel; user could see the image and sound captured by Baby Unit on TV screen now.

Troubleshooting

Problem	Possible Cause	Solution
Camera's power Indicator does not light	Camera is not turned ON Power is turned off.	-Slide the ON/OFF switch to the ON position. -Make sure house fuses and circuit breakers are on. -Make sure that any light switchers that control the power flow to the wall outlet are on.
	AC-DC adaptor not properly connected	-Check AC-DC adaptor jack-to-socket and plug-to-outlet connections
Monitor screen does not illuminate and no sound	Mode selector may be set to Audio only.	-Turn on the camera, set the monitor to any video mode.
	Power is turned off. Batteries may be dead.	-Turn on the Camera. Set the monitor to any video mode. -Replace batteries, or recharge the supplied Re-chargeable batteries. -Operate the monitor by the adaptor only to see if the monitor is still functioning. -Make sure house fuses and circuit breakers are on.
	AC Adaptor not properly connected	-Make sure that any light switchers that control the power flow to the wall outlet are on. Check the AC-DC adaptor jack-to-socket and plug-to-outlet connections. -Be certain it is plugged into The AC jack.
No sound or picture	Wrong channel	Adjust channel Adjust the brightness, contrast and color as needed.
	Wrong mode	Change the monitor to the suitable mode.

	Signal interference due to other household appliance, cordless or cellular telephone, etc.	Change the channel setting on both Camera and Monitor. Power off both Camera and Monitor. Wait a moment and turn them back on.
Sound but no picture	Camera or Monitor near metal concentration	Test reception by moving the Camera and/or Monitor to different locations throughout the house. Relocate the Camera and/or Monitor
	Brightness, contrast or color	Adjust the brightness, contrast and color as needed.
	Wrong mode	Check the mode setting. Set the monitor to the correct mode.
	Wrong channel	Adjust the channel.
	Signal interference due to other household appliance, cordless or cellular telephone, etc.	Test reception by moving the Camera and/or Monitor to different locations throughout the house. Relocate the Camera and/or Monitor
Picture but no sound	Volume not turn up	Adjust the volume control disc.
	Wrong Mode	Check the mode setting. Set the Monitor to the correct mode.
Picture flickers in low light	Object too close to the camera	-Remove objects that are too close to the camera or move the camera further apart.
	Camera or Monitor near metal concentration	-Test reception by moving the Baby or Parents Unit to different locations throughout the house.

Picture Flickers in low light	Signal Interference Due to other Monitors. Cordless or Cellular Telephones, Etc.	-Change the channel setting on Camera and Monitor. -Identify and eliminate the source of interference
Audio Feedback (squealing)	Parents Unit is too close to the Camera	-Move the Monitor further away from the Camera
	Volume is set too high	-Lower the volume on the Monitor
Dark Picture At night	Power turn off	-Check the Camera and/or Monitor power indicator. -Check the connection of the adaptors and the monitor
	Batteries maybe dead	Replace batteries or recharge the supplied re-chargeable batteries.
Can not change the settings of Sound Mode or Picture Mode	Wrong mode (The monitor is in the Voice Activating Mode.)	-Enter the Voice Activate the Video Mode -Select "OFF" - Press  or leave the unit alone for 5 seconds to return to its normal operations.
Black and white image only when displayed on TV	The video system of the TV does not match the Parent & Baby Units	Change the video system of the TV to the proper one which matches the Parent & Baby Units.
The buttons ( \  or ) can not work.	The monitor was not shut down properly.	-Don't turn off the monitor when you're changing any settings, you can only turn it off when the monitor returns to its normal operations -Please press the  and  buttons together for 1 second and the monitor will restart in 3 seconds. You will see "88" in the clock display window and it will change to "12:00" automatically.

<14>

Technical Specifications**Handheld Parents Unit**

1. Handheld operation voltage:DC 6V or 3x "AA" supplied re-chargeable batteries/alkaline batteries.
2. Low-voltage indication≤3.4V
3. Temperature range:0℃~50℃
4. Power consumption:3.0W
5. Operation frequency:2.4GHz—2.4835GHz
6. Max.Range(clear line of sight):up to 300ft(in open area)
7. Video system :NTSC/PAL (please see the sticker in the battery compartment and bottom of the camera unit)
8. Number of effective pixels:312(H)x230(V)
9. Display usage:1.8" TFT Panel
10. Size of handheld:120×77×35mm

Baby Unit

1. Operation voltage : DC 9.0V 450mA
2. Temperature range : 0℃~50℃
3. Power consumption :2.7W
4. Operation frequency :2.4GHz—2.4835GHz
5. Sub-carrier frequency:6.5MHz
6. Mic sensitivity:1 to 2 meter

<15>

BABY MONITOR

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.

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 may not cause harmful interference received including interference that may cause undesired operation.

NOTE: 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.