easy@Home

Digital Baby Monitor

USER MANUAL

EHB256

Congratulations

You have just purchased a qualified Wireless 2.4GHz Digital Baby Monitor. Please read this user manual carefully before using the product. Keep these instructions for future reference.

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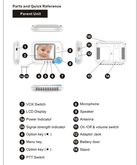
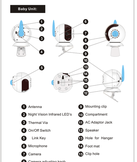
Parts and Quick Reference

Parent Unit



1. VOX Switch
2. LCD Display
3. Power Indicator
4. Signal strength indicator
5. Option key (▲)
6. Menu key
7. Option key (▼)
8. PTT Switch
9. Microphone
10. Speaker
11. Antenna
12. On /Off & volume switch
13. Adapter Jack
14. Battery door
15. Stand

Baby Unit



1. Antenna
2. Night Vision Infrared LEDs
3. Thermal Via
4. On/Off Switch
5. Link Key
6. Microphone
7. Camera
8. Camera adjusting knob
9. Mounting clip
10. Compartment
11. AC Adaptor Jack
12. Speaker
13. Hook for Hanger
14. Foot rest
15. Clip hole

AC Adapter:

The AC Adapter is device that allows you to power on the system with the household power supply. The system comes with two adapters: one DC 5V connectors of Parent Unit and Baby Unit. **Please be reminded to switch off the system before plugging or unplugging the adapters.**

- Use only the supplied AC adapter for charging the supplied rechargeable batteries. Please replace with the same model, or equivalent batteries from the distributor Easy At Home Medical LLC. (Model No. BT-160) Do not use non-rechargeable batteries. Do not attempt or attempt to use non-rechargeable batteries for environment protection rules.

units out of direct sunlight.

- Always unplug the AC adapters if not using the system for long periods of time.
- The outer surface of the Baby Unit and Parent Unit can be cleaned with a cloth LIGHTLY dampened with water or a mild cleaning solution.

WARNING:

To reduce the risk of fire or electrical shock, do not expose this unit to rain or any type of moisture.

Privacy Protection:

Please be reminded that you are using public airwaves when you use the Wireless 2.4GHz Digital Baby Monitor. Sound and video may be accessed by other Baby Monitor devices. Therefore, when there are rooms near the camera, may be broadcast as well.

CAUTION: To protect your privacy, always turn the system off when not in use. It is possible that the Parent Unit may be interfered from other devices in the 2.4GHz frequency range.

User can directly operate the unit by the supplied AC adaptor.

① Use only the AC adapter included supplied.
② Plug the DC adapter into the Parent Unit.
③ Plug AC adaptor into a standard wall outlet.
④ Wrap up and secure any excess AC adaptor cord.

Battery Tips:

- The Parent Unit is equipped with rechargeable batteries already installed. Charge the batteries before using the unit for the first time.
- No batteries are supplied for the Baby Unit. Please always use the AC adapter to provide power to the Baby Unit.
- Recharge the batteries for approximately every three months even if you don't use the device, to maintain the optimum capacity of the batteries.
- Charge the batteries under adult supervision.
- Dispose of the batteries safely according to relevant local regulations.

Warning!

- Batteries should not be exposed to excessive heat such as sunshine, radiators or fire.
- Danger of fire if batteries are incorrectly replaced.

Color Index of Power Indicator

Indication	LED Indicator	
	Parent unit	Baby unit
Normal Operation	Green solid light (Power cable and light	Amber solid light (Power cable and light
Low battery	Red blank lights over 10 seconds	
In charging (Power On)	Green indicator shows solid light	N/A
In charging (Power Off)	A charging battery icon shows on LCD	
Pairing status	The power indicator quick blinks green light	

Battery Status

Low battery status

Parent unit: When the battery unit icon will be shown on main screen of Parent unit. Please charge the batteries.

Charging the Batteries (only for Parent Unit)

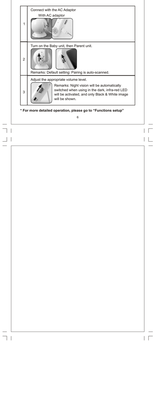
Please charge the batteries before using for the first time usage.The batteries will reach the maximum capacity after 4 to 6 times fully charge and complete discharge cycles.

- Use only the supplied AC adaptor for charging the supplied rechargeable batteries.
- Plug into any nearby standard electrical outlet at home and charging automatically begins. A charging battery icon shows.
- When fully charged, a full battery icon shows. The charging time for the batteries is approximately 10 hours. Do not charge for more than 12 hours.

CAUTION: CHANGE THE BATTERIES UNDER ADULT SUPERVISION.

Simple to Operate

Switch on the baby and parent units, and adjust the preferable sound level.



*** For more detailed operation, please go to "Functions setup"**

Reception Testing

Before using the Parent Unit or changing the location of the system, it is very important to test the video and sound reception.

To test the video reception:

- Place the Baby Unit and Parent unit in appropriate location. (e.g. on top of the table, mounting on the wall or ceiling)
- Focus and adjust the camera lens according to baby.
- Switch on the Baby unit and Parent Unit and adjust the appropriate brightness level. (To adjust brightness, please see the "Functions Setup" section)

To test the sound quality

- Speak in a whisper and with normal conversation sound level to Baby Unit.
- Put the Parent Unit far away enough (at least 1m) from Baby Unit to prevent noise feedback.
- Check the sound reception or speaker of the Parent Unit and adjust the appropriate volume. (To adjust volume, please see the "Functions Setup" section)

Functions Setup

Baby Monitor Functions Setup

Power ON/OFF

- Power on the Parent unit by turning on the ON/Off & VOL Switch until a click sound is heard. The Green light of the power indicator will be lit and a second music will be heard for 3 seconds. Power on the Baby unit by turning on the ON/Off Switch. The power indicator will be on and music will be heard for 3 seconds.
- An image will show on the LCD display if signal is received, otherwise a white screen will show.
- Power off the Parent unit by turning off the ON/Off & VOL Switch until a click sound is heard. The Red light of the power indicator will be off after 3 seconds with no display on LCD. Power off Baby unit by turning off the ON/Off Switch. All functions of the monitor will be stopped.

Parent Unit Screen Display

- **Signal Strength** It shows the strength of the transmission signal of the transmitting unit. 4 levels for signal strength, higher level means stronger signal.

- **Parent unit Battery** displays the current battery status.

Battery has full charge, 3/4 charge, 1/2 charge, 1/4 charge, low battery.

Charging time for completely empty batteries is about 8 hours while the parent unit is turned off.

Volume Control

- Increase the volume by turning up the **On/Off & Volume** Switch
- Decrease the volume by turning down **On/Off & Volume** Switch

Main Menu

- Press **MENU** key to enter into main menu. Use ◄/► key to select, and press again **MENU** key to confirm.
- Press **MENU** key again, Parent unit will return to LCD display

Brightness

- Enter into main menu by pressing **'MENU'** key, press '◄' or '►' key to select Brightness option, then confirm and enter into Brightness menu.
- Press '◄' or '►' key to adjust the brightness level from 1 to 5. Press **MENU** key to confirm.
- Select EXIT option and press **'MENU'** key to the live video.

Notes: '1' is the darkest ,5 is the brightest

Outdoor Mode

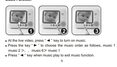
- Enter into main menu by pressing **'MENU'** key, press '◄' or '►' key to select Outdoor Mode option, then press **MENU** key to confirm and enter into Outdoor Mode menu.
- Press '◄' or '►' key to turn on or turn off Outdoor Mode, Press **MENU** key to confirm.
- (*) Outdoor mode is turned on, IR-Cut filter will be turned off.
- Select EXIT option and press **'MENU'** key to the live video.

Caution: Outdoor Mode should be used when baby unit is placed in the darkness.

Pairing

- For Parent Unit, enter into main menu by pressing **'MENU'** key, then press '◄' or '►' key to select Pairing, then press **MENU** key.
- For Baby Unit, press **'Link'** key 3 seconds until power indicator is fast flashing red light. Press **'MENU'** key of parent unit to confirm.
- The pairing process will be auto-scanned, please wait for its own. Meanwhile, both parent and baby unit will flash red light.
- If there is no display on LCD screen of parent unit. Please repeat above steps.

Music Function



- At the live video, press '◄' key to turn on music.
- Press '◄' or '►' key to select music order as follows, music 1 > music 2 > ... music 6> music 1
- Press '◄' key when music play to exit music function.

Talking Function

- Under normal communication, baby unit will transmit sound and image to parent unit.
- If parent unit needs to talk back to baby unit, press PTT key on parent unit to talk.
- Release PTT key after talking. The parent unit will be returned to receiving status.

VOX

When turning on VOX, transmission will be activated ONLY if sound is detected by Baby unit, LCD screen would be turned off if no sound is detected within 30 seconds. Once the sound is detected, LCD screen would be turn on the LCD screen. This is a power saving feature.

Infrared Night Vision

When Baby unit is placed in dark environment, parent unit will be switched to 'Night Vision mode' automatically. The infrared illuminators will turn on and you receive image and sound. The image shows in black & white (See picture).

Out of Range Alert:

Under the following conditions, the parent unit will emit the "out of range" alert.

- Baby unit is turned off.
- The units are detected out of communication range.
- Baby unit is in the power.

Antenna

The antenna unit is low for from baby unit and can't receive good image from baby unit, there is an antenna to help strength the signal. (See picture)

Lens & Camera Adjustment

- If the view of the mother unit is blurred, adjust the lens cover of the baby unit until the video reaches the best picture quality.
- Adjust the Camera Rotation Handle to the desired viewing angle.

Location and Set Up

You can position and adjust the Baby Unit in a variety of ways to provide the best view of baby. For the best performance, position the monitor unit 2-6 m away from the baby.

Set up removable Mounting Clip (optional)

The Baby Unit can be clip on the table edge by setting up the removable mounting clip. After inserting the mounting clip at the base bottom, the Baby Unit can be clip on the table edge or other location. Setting and disassembly method are shown in the figure below.

Wall Mount

User can mount the baby unit on the wall or ceiling using the wall mount hole.

Maintenance Notice

4 AA rechargeable batteries are pre-installed into the parent unit which can work for around 500 charge and discharge cycles. When the parent unit is operated under the battery power, it will automatically switch to the batteries. Please replace with the same model, or equivalent batteries from the distributor Easy At Home Medical LLC. (Model No. BT-160) Do not use non-rechargeable batteries. Do not attempt or attempt to use non-rechargeable batteries for environment protection rules.

CAUTION

- Dispose of the batteries safely according to relevant local regulations
- Never charge non-rechargeable batteries, or it'll cause fire and major damage to unit.

How To Replace the Rechargeable Batteries

- Switch off the unit and disconnect from mains.
- Open the battery compartment cover.
- Insert 3 AAA rechargeable (Model No.: BT-160 AC) or non-rechargeable batteries (not supplied) according to the polarity illustrated in the battery compartment.
- Replace the screw and screw it up again.

Parent Unit

Trouble Shootin

Problem	Possible Cause	Solution
Power indicator does not light when turn on unit	1.Unit is not turned on	1. Slide the ON/OFF switch to the "ON" position
	2.Power is switched off	2.Make sure that power is switched on
	3.Batteries may be used up	3.Recharge batteries
	4.AC Adaptor not properly connected	4.Replace new batteries
		5.Check AC Adaptor plug to the electrical outlet is OKEWISE
No image on screen,or image blurred	1. Wrong brightness level	1.Adjust the brightness to the desired level
	2. Video VOX is on but no sound is received	2.Press any key on the Parent unit to activate the screen or select VOX Off to give a continuous display
	3.Low volume level	3.Adjust volume level to the desired level
	4. Signal interference due to other household appliance or electronic devices within interference are ea.	4.Move the Baby Unit away from the other electronic device to scan the channel
Image flickers	1.Object is too close to the Baby Unit	1.Remove objects from the Baby Unit at about 2m
	2.Parent Unit & Baby Unit is magnetic objects.	2.Move Parent Unit or Baby Unit away from magnetic objects.
	3. Signal interference due to other household appliance or cellular telephones etc.	3.Press the LINK key of both Parent Unit and Baby Unit to re-pair. In main menu of parent unit select pairing option to re-pair. It is recommended the source of interference
Audio feedback	1.Two units are too close	1.Keep distance between two units at about 1m
	2.Volume is too high	2.1.Lower the volume

Dark image at night	1.Power is switched off	1.Check the Baby Unit and to Check the connection of the power supply.
	2.Batteries level is too low.	2.Recharge batteries.
		3.Replace new batteries.
		4.Adjust the Exposure level
Loose Link (Mo signal)	1.Baby unit is turned off	1.Turn on the Baby unit.
	2.The units are detected out of communication range.	2.Ensure both units are in the operating range.
	3.Baby unit is in low power.	3.Recharge new batteries or upgrade to the supplied batteries

Technical Specification

Parent Unit

- Operation voltage: DC 5.0V 800mA or 3 x 'AAA' rechargeable alkaline batteries
- Temperature Range: 0°C~40°C (32~104°F)
- Power consumption : 5W
- Frequency Range: 2.403GHz~2.483GHz
- Max Range (clear line of sight) : up to 300m or 820ft(in open area)
- Display: 2.4" TFT LCD display
- Image Speed : > 12 frame/second
- Size of LCD: 2.4" TFT LCD
- Size of Hand Held : 124 x 28 x 90 mm

Baby unit

- Operation voltage: DC5.0V 800mA
- Power Output: 30 dBm
- Temperature Range: 0°C~40°C (32~104°F)
- Power consumption : 1W
- Frequency Range: 2.403GHz~2.483GHz
- Mic Sensitivity : 1.2 m (3.9 ft)
- Size of Baby Unit : 120 x 90 x 61mm
- Object Distance : 1m (3.3 ft)

FCC Statement:

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.

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.

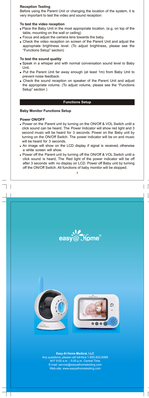
---Consult the dealer or an experienced radio/TV technician for help.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator& your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

---------- The End ----------



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