



LF920HD

7" High Definition Pan & Tilt Monitor



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Parent Guide

This guide contains important information. Please keep it for future reference.

Key Features

Color and B&W Automatic Night Vision

Thanks to the latest starlight sensor and noise suppression technology, you can check in on your baby 24/7 with the finest clarity. Night vision is no longer just black and white, you can choose to see your baby in color at night!

Night Light

Need some additional lighting near your baby for those bedtime stories? The built-in night light on the baby monitor can help with that. You can control the night light directly on the baby unit, or remotely from the parent unit.

Humidity and Temperature Sensor

Rest assured of the environment your baby is in with the built-in real-time temperature and humidity sensor. It lets you know when the room is outside a comfortable temperature range.

Lullabies and Soothing Sounds

Comforting and engaging your baby can be done easily and from a distance. Choose from 6 lullabies and 4 soothing sounds to help lull your baby back to sleep.

Motion and Sound Sensor

With adjustable alerts on noise or motion detected from the baby monitor, give yourself a peace of mind with an extra set of eyes.

360° Pan, Tilt, and Zoom

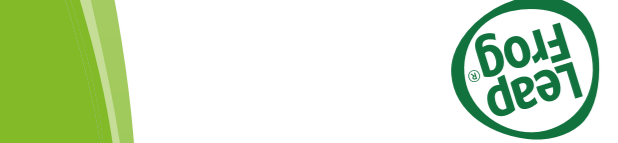
Watch as your curious little one moves around. The camera pans up to 360 degrees side-to-side and tilts as many as 52 degrees up and down. Need more detail? The camera zooms up to 8 times.

Technical Specifications

Table with 2 columns: Feature and Specification. Rows include Frequency control, Transmit frequency, Channels, LCD, Nominal effective range, and Power requirements.

Credits: The Background Noise sound file was created by Caroline Ford, and is used under the Creative Commons license. The Stream Noise sound file was created by Caroline Ford, and is used under the Creative Commons license. The Crickets At Night sound file was created by Mike Koenig, and is used under the Creative Commons license. The Heart Beat sound file was created by Zarabadeu, and is used under the Creative Commons license.

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Important Safety Instructions

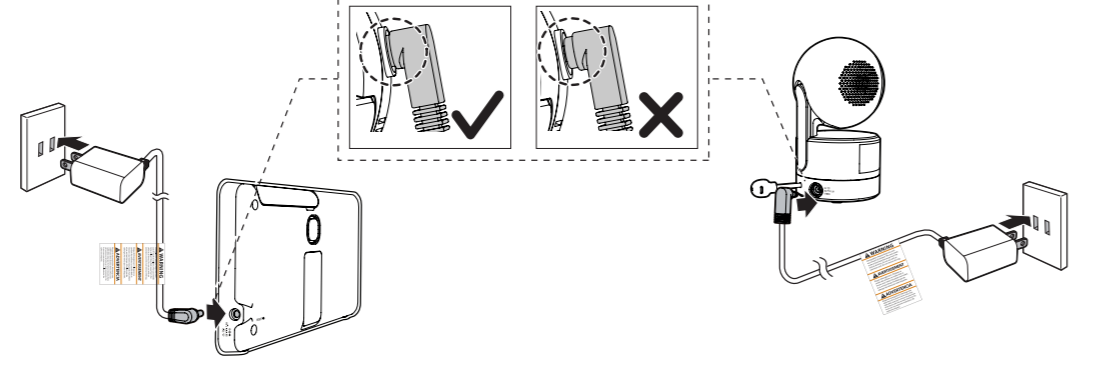
The applied nameplate is located at the bottom of the baby unit's base. When using your equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury, including the following:

- 1. Follow all warnings and instructions marked on the product.
2. Adult setup is required.
3. CAUTION: Do not install the baby unit at a height above 2 meters.
4. This product is not a substitute for adult supervision of the infant.
5. Do not use this product near water.
6. CAUTION: Use only the battery provided.
7. Use only the adapters included with this product.
8. The power adapters are intended to be correctly oriented in a vertical or floor mount position.
9. For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.
10. Unplug this product from the wall outlet before cleaning.
11. Do not use liquid or aerosol cleaners.
12. Do not allow anything to rest on the power cords.
13. This product should be operated only from the type of power source indicated on the marking label.
14. Do not overload wall outlets or use an extension cord.
15. Do not place this product on an unstable table, shelf, stand or other unstable surfaces.
16. This product should not be placed in any area where proper ventilation is not provided.
17. Never push objects of any kind into this product through the slots because they may touch dangerous voltage points or create a short circuit.
18. To reduce the risk of electric shock, do not disassemble this product.
19. You should test the sound reception every time you turn on the units or move one of the components.
20. Periodically examine all components for damage.
21. There is a very low risk of privacy loss when using certain electronic devices.
22. Children should be supervised to ensure that they do not play with the product.
23. The product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities.

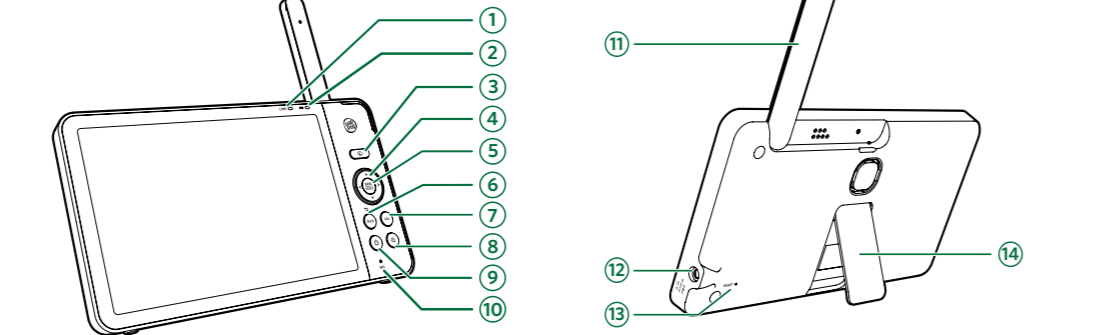
Get Started

1. Connect the baby monitor

- Notes:
- The rechargeable battery in the parent unit is built-in.
- Use only the power adapters supplied with this product.
- Make sure the parent unit and the baby unit are not connected to the switch controlled electric outlets.
- Connect the power adapters in a vertical or floor mount position only.
- Make sure the parent unit, the baby unit and the power adapter cords are out of reach of children.
- To maintain compliance with the FCC's RF exposure guidelines, place the baby unit at least 20cm from nearby persons.

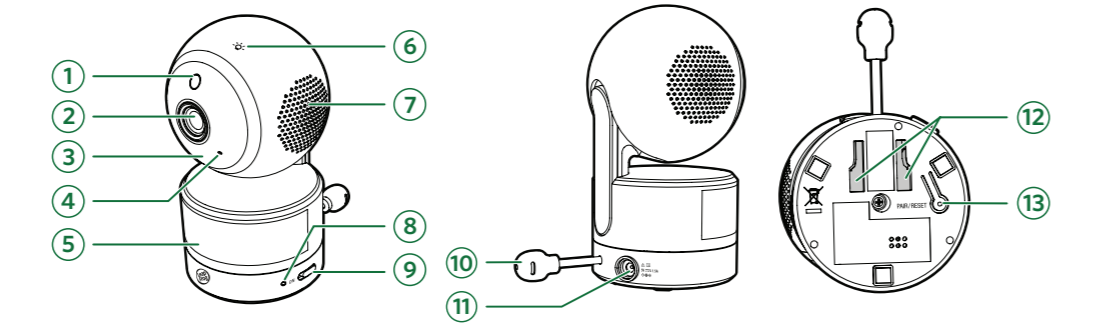


Overview - Parent Unit



- 1 LINK LED light
2 Battery LED light
3 Night Mode quick set key
4 <> Arrow keys
5 MENU / SELECT
6 TALK / Return
7 VOL Volume
8 Zoom
9 Power
10 Microphone
11 Antenna
12 Power jack
13 RESET
14 Stand

Overview - Baby Unit



- 1 Light sensor
2 Camera
3 Infrared LEDs
4 Microphone
5 Night light
6 Night light control key
7 Speaker
8 POWER LED light
9 On / Off switch
10 Temperature sensor
11 Power jack
12 Wall mount holes
13 PAIR / Reset key

Charge the parent unit battery before use

When you have connected and turned on the parent unit, the battery charges automatically.

- Notes:
- Before using the baby monitor for the first time, charge the parent unit battery for 12 hours.
- It takes longer to charge the battery when the parent unit is turned on.
- The standby time varies depending on the sensitivity levels you set, your actual usage time and the age of the battery.

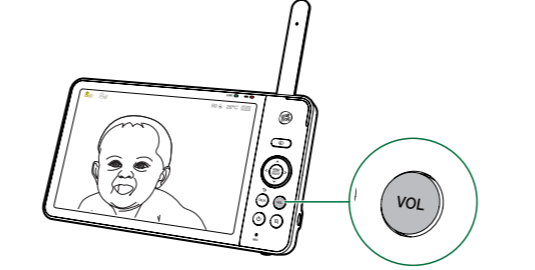
The battery icon on the screen indicates the battery status (see the following table).

Table with 3 columns: Battery Indicators, Battery Status, and Action. Describes how the battery icon looks when power is low, fully charged, or needs to be recharged.

Basic Operation - Parent Unit

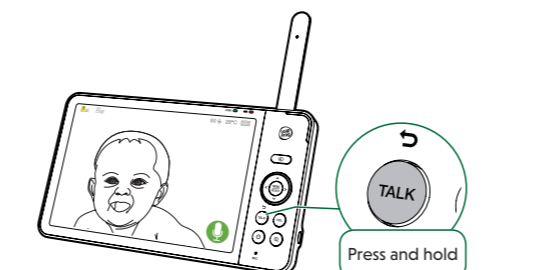
Adjust parent unit's speaker volume

- 1. Press VOL to open the volume adjustment bar.
2. Press up arrow to increase the speaker volume and down arrow to decrease the speaker volume.



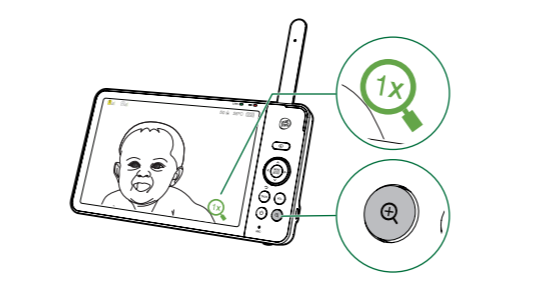
Talk to your baby via the baby unit

- 1. Press and hold the TALK key.
2. When the baby icon displays on screen, speak to your parent unit.
3. When finished talking, release the TALK key and hear your baby again.



Zoom

Press the zoom button to zoom in or out. The zoom sequence is 1x, 2x, 4x, and 8x.

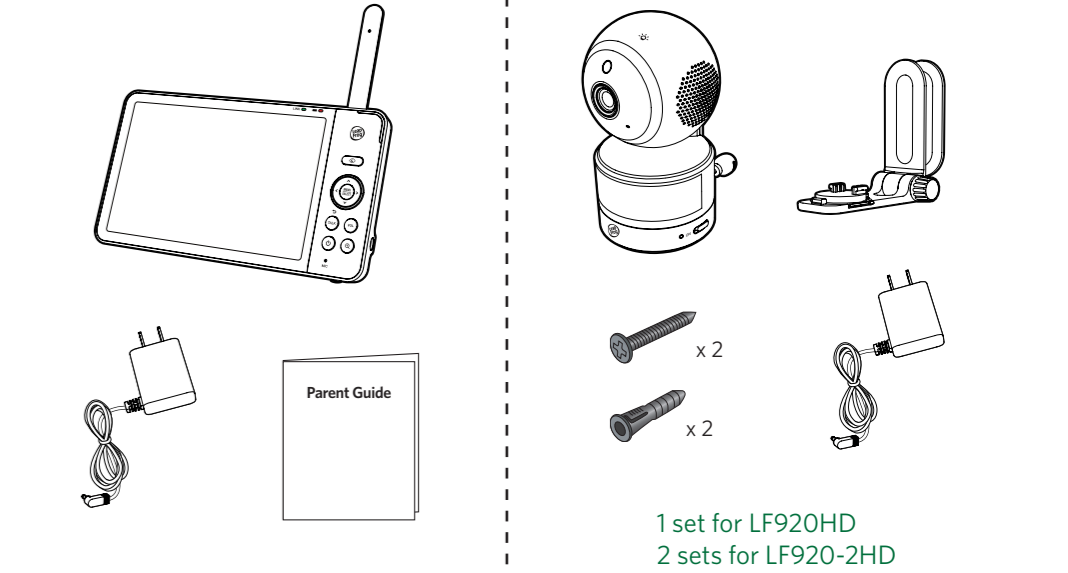


capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

SAVE THESE INSTRUCTIONS

- Cautions:
1. Use and store the product at a temperature between 32°F and 104°F.
2. Do not expose the product to extreme cold, heat or direct sunlight.
3. Batteries should not be exposed to excessive heat such as bright sunshine or fire.
4. Warning—Strangulation Hazard—Children have STRANGLED in cords.
5. Never place the baby unit(s) inside the baby's crib or playpen.
6. Other electronic products may cause interference with your baby monitor.
Precautions for users of implanted cardiac pacemakers:
Cardiac pacemakers (applies only to digital cordless devices):
Wireless Technology Research, LLC (WTR), an independent research entity, led a multidisciplinary evaluation of the interference between portable wireless devices and implanted cardiac pacemakers.
Pacemaker patients:
- Should keep wireless devices at least six inches from the pacemaker.
- Should NOT place wireless devices directly over the pacemaker.
Electromagnetic fields (EMF):
This LeapFrog product complies with all standards regarding electromagnetic fields (EMF).
Parent Guide

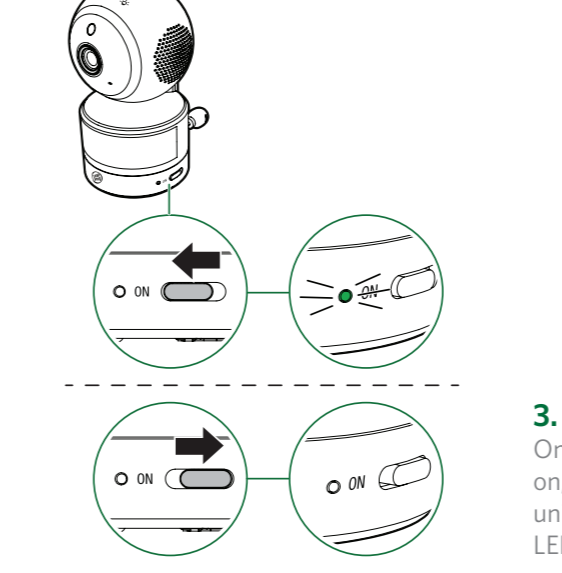
What's Included



1 set for LF920HD, 2 sets for LF920-2HD

2. Power on or off the Baby Monitor

- 1. Slide the power switch to ON to power on your baby unit.
2. After the parent unit is fully charged, press and hold the power button until the welcoming screen appears.

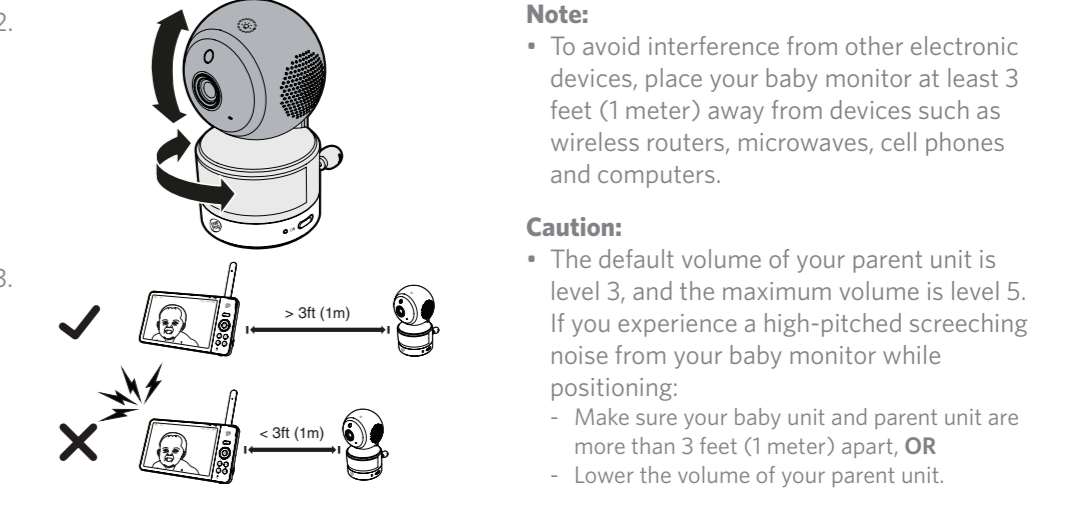


3. Status Check

Once your baby unit and parent unit are powered on, your parent unit displays image from the baby unit, and the LINK LED light turns on. The green LED light of the baby unit also turns on.

4. Positioning the Baby Monitor

- 1. Position the baby unit at least 3ft (1m) away from the parent unit.
2. Position the baby unit at least 3ft (1m) away from other electronic devices.
3. Position the baby unit at least 3ft (1m) away from the parent unit.








Status Bar Icons



- Current view status: Baby unit number, Single Baby Unit mode, Patrol mode, Split mode.
Motion: Turn on/off Motion Alert, Sensitivity level.
Temperature: Turn on/off Temperature Alert, Minimum/Maximum temperature, Format.
LCD settings: Adjust parent unit screen Brightness, Dim Mode.
Camera settings: Turn on/off Status LED indicator, Link, Battery, and Sound Level Indication LED lights, Adjust baby unit's speaker Volume.
General settings: Turn on/off Low Battery Alert Tone, No Link Alert Tone.
Detection: Sound: Sensitivity level, Sound Detection Alert, Auto Wake Up function.

Parent Unit Icons (continued)






Alert Icons



-  Displays when the parent unit's battery is low and needs charging.
-  Displays when motion is detected by a baby unit.
-  Displays when sound is detected by a baby unit.
-  Displays when the temperature detected by the baby unit exceeds the set maximum.
-  Displays when the temperature detected by the baby unit is lower than the set minimum.

Night Vision (B&W and Color)

Night Vision Mode	Description
	B&W night vision - Suitable for extremely dark or low light environments.
	Color night vision - Suitable for low-light room conditions with night light as an assisting light source.

Change your night vision viewing mode

- Press the **Night mode quick set key**  to view the Night mode menu.
- Press  or  to choose  for black and white night vision viewing or  for color night vision viewing.

The baby unit has infrared LEDs that allow you to see your baby clearly at night or in a dark room. When the baby unit being viewed detects low light levels, the infrared LEDs are switched on automatically. When the images from the baby unit are in black and white, and  appears on the screen. When the images from the baby unit are in color,  appears on the screen.

Notes

- It is normal to see a short white glare on your parent unit screen as the baby unit is adapting to the dark environment.
- When the infrared LEDs are on, it is normal for the images to be in black and white.
- If night vision is not activated, newly saved settings will apply the next time night vision is activated.

Tip




- The video quality may vary depending on the surrounding environment and interfering factors like lightings, objects, colors and backgrounds. Adjust the baby unit's angle or place the baby unit at a higher elevation to prevent glare and blurry displays.

Sound Detection and Auto Wake Up

Adjust Sound Detection Sensitivity

You can turn on **Sound Detection Alert** and adjust the **Sound Sensitivity** to only detect your desired level of sounds. When detected, the parent unit screen turns on if it has been switched off or dimmed.

When the baby unit detects sounds that exceed the chosen level, the parent unit screen turns on and the baby unit transmits the detected sounds to the parent unit. You will be able to see and hear your baby.

Sound Sensitivity Level	Level 3 (Highest)	Level 2 (Medium)	Level 1 (Lowest)
			
Description	The parent unit screen and speaker turn on for very small sounds, including background sounds from your baby's room.	The parent unit screen and speaker turn on for babbling and louder sounds from your baby. The parent unit remains quiet when your baby makes soft sounds.	The parent unit screen and speaker turn on only for loud crying or screeching sounds from your baby. The parent unit remains quiet when your baby makes soft sounds.

Sound Activated Screen and Audio - Auto Wake-Up

When **Auto Wake-Up** is turned on, the parent unit screen stays off to save power when the baby unit detects no sound. Once the baby unit detects sounds that are louder than the chosen sound sensitivity level, the parent unit screen and speaker turn on automatically. The parent unit will then turn off again after no sound has been detected for a while.

Notes:

- If you have muted the parent unit speaker, only the parent unit screen will turn on when a sound is detected.
- If you have turned on **Auto Wake Up** but turned off **Sound Detection Alert**, the parent unit will wake up when the baby unit detects sounds that are louder than the chosen sound sensitivity level.

The RBRC seal



The RBRC seal on the Li-ion battery indicates that LeapFrog Enterprises, Inc. is voluntarily participating in an industry program to collect and recycle these batteries at the end of their useful lives, when taken out of service within the United States and Canada. The program provides a convenient alternative to placing used Li-ion batteries into the trash or municipal waste, which may be illegal in your area.

LeapFrog's participation makes it easy for you to drop off the spent battery at local retailers participating in the program or at authorized LeapFrog product service centers. Please call 1 (800) 8 BATTERY™ for information on Li-ion battery recycling and disposal bans/restrictions in your area. LeapFrog's involvement in this program is part of its commitment to protecting our environment and conserving natural resources.

The RBRC Seal and 1 (800) 8 BATTERY™ are registered trademarks of Call2recycle, Inc.

FCC and IC regulations

FCC Part 15

This equipment has been tested and found to comply with the requirements for a Class B digital device under Part 15 of the Federal Communications Commission (FCC) rules. These requirements are intended 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.

WARNING: Changes or modifications to this equipment not expressly approved by the party responsible for compliance 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 must accept any interference received, including interference that may cause undesired operation.

To ensure safety of users, the FCC has established criteria for the amount of radio frequency energy that can be safely absorbed by a user or bystander according to the intended usage of the product. This product has been tested and found to comply with the FCC criteria. The baby unit shall be installed and used such that parts of all persons' body are maintained at a distance of approximately 8 in (20 cm) or more. The transmitter and antenna of the parent unit shall be held at least 1 in (2.5 cm) from your face.

This Class B digital apparatus complies with Canadian requirement: CAN ICES-3 (B)/NMB-3(B)

Industry Canada

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device. The term "IC" before the certification/registration number only signifies that the Industry Canada technical specifications were met. This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

RF radiation exposure statement

The baby unit complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The baby unit should be installed and operated with a minimum distance of 8 in (20 cm) between the baby unit and all persons' body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment complies also with Industry Canada RSS-102 with respect to Canada's Health Code 6 for Exposure of Humans to RF Fields.

California Energy Commission battery charging testing mode

This baby monitor meets the California Energy Commission (CEC) regulations for energy consumption. Your baby monitor is set up to comply with the energy-conserving standards right out of the box. Follow the instructions to install and charge the battery. The CEC battery charging testing mode is activated while charging. Even if the parent unit is paired to baby units, the CEC battery charging testing mode is activated while it is powered off and charging.




Motion Detection

Adjust Motion Detection Sensitivity

You can turn on **Motion Alert** and adjust the **Motion Sensitivity** to only detect your desired level of motion. When detected, the parent unit screen turns on if it has been switched off or dimmed.

When the baby unit detects motions that exceed the chosen level, the parent unit screen turns on and displays lives images from the baby unit. You will be able to see and hear your baby.




If you have turned on **Motion Alert**, the parent unit beeps when the baby unit detect movements.

Motion Sensitivity Level	Level 3 (Highest)	Level 2 (Medium)	Level 1 (Lowest)
			
Description	The parent unit screen and speaker turn on for small motions, such as yawning or stretching.	The parent unit screen and speaker turn on for normal daily motions, such as people walking around the house.	The parent unit screen and speaker only turn on for large motions, such as children running or jumping around.









Night Light

Want a softer hue from the baby unit's night light to relax your little one? You can control the brightness of its glow remotely from your parent unit, or directly on the baby unit.

Adjust the night light on the parent unit

- Press the **Night mode quick set key**  to view the Night mode menu.
- Press  to brighten the night light (or turn on the night light when it is switched off). Press  to dim the night light (or turn off the night light when it is at the lowest brightness level).

- OR -

- Press **MENU** to enter the main menu.
- Press   to select , press **SELECT**.
- Press   to select , press **SELECT**.
- Press   to choose the desired brightness level, then press **SELECT** to confirm your selection.

Note

- If auto night light brightness has been selected, but the brightness was adjusted (either on the baby unit or the parent unit), auto brightness mode will automatically turn off and switch to the fixed level of brightness.







Dim Mode

The parent unit display will dim to conserve energy after 5 minutes of inactivity, in which there were neither any key pressed nor alert received from the baby unit.



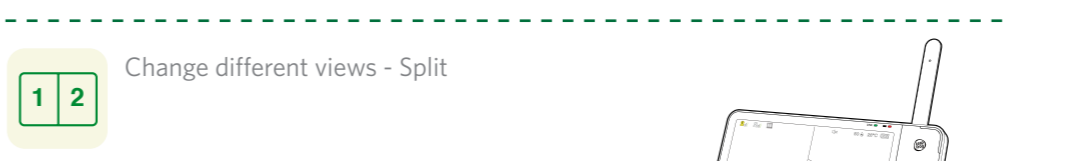
For LF920-2HD Only

Monitoring mode

-   Change different views - Single CAM
-   Select baby unit 1  or baby unit 2  to view the image from the selected baby unit.







Select Patrol mode as your monitoring mode to alternately view the image from baby units  and  every 10 seconds.



Select Split mode as your monitoring mode to view the images from both baby units at once.

Note

- While in Split mode, you can press   to highlight the view of the baby unit 1  or baby unit 2 , and hear the sounds transmitted from the highlighted baby unit.

Disclaimer and Limitation of Liability

LeapFrog and its suppliers assume no responsibility for any damage or loss resulting from the use of this handbook. LeapFrog and its suppliers assume no responsibility for any loss or claims by third parties that may arise through the use of this software. LeapFrog and its suppliers assume no responsibility for any damage or loss caused by deletion of data as a result of malfunction, dead battery, or repairs. Be sure to make backup copies of important data on other media to protect against data loss.

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.

CAN ICES-3 (B)/NMB-3(B)

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

Warranty: Please visit our website at leapfrog.com/legal for full details of the warranty provided in your country.

Customer Support

Visit our Consumer Support website 24 hours a day at:

U.S.: leapfrog.com/support

C.A.: leapfrog.ca/support

Or call our **Customer Service number:** 1 (800) 701-5327 in the U.S. and Canada during Customer Service hours Monday to Friday, 7am - 2pm PST

Instructions for Care

FOR INDOOR, DRY-LOCATION USE ONLY.

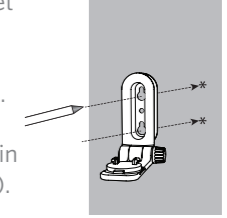
To keep this product in good condition, follow these guidelines:

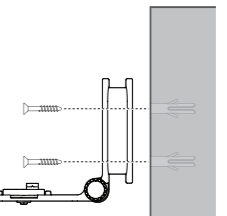
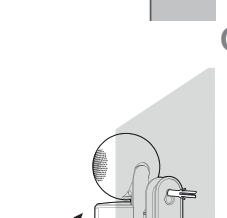
<ul style="list-style-type: none">Avoid putting it near heating appliances and devices that generate electrical noise (for example, motors or fluorescent lamps).	<ul style="list-style-type: none">Do not spill liquid of any kind on this product or immerse the product in water as it may render it inoperative.
<ul style="list-style-type: none">Clean with a slightly damp cloth in cold water (do not use soap, detergent, or other chemicals).	<ul style="list-style-type: none">Keep food and beverages away from this product.
<ul style="list-style-type: none">Make sure the product is dry before you connect it to the power source again.	<ul style="list-style-type: none">Never try to dismantle the unit.
<ul style="list-style-type: none">Avoid prolonged exposure to extreme temperatures and direct sunlight or moisture.	<ul style="list-style-type: none">Avoid dropping the product or treating it roughly.

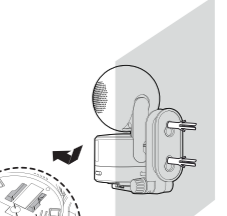

Mount the baby unit on a dry wall (optional)

Notes

- Check for reception strength and the baby unit's viewing angle before drilling the holes.
- The types of screws and anchors you need depend on the composition of the wall. You may need to purchase the screws and anchors separately to mount your baby units.

- Place the wall mount bracket on a wall and then use a pencil to mark the top and the bottom holes as shown. Remove the wall mount bracket and drill two holes in the wall (7/32 inch drill bit).
 - 
- If you drill the holes into a stud, go to step 3.
 - If you drill the holes into an object other than a stud, insert the wall anchors into the holes. Tap gently on the ends with a hammer until the wall anchors are flush with the wall.

- Align the wall mount bracket and screws with the holes in the wall as shown. Tighten the screw in the middle hole first, so that the wall mount bracket position is fixed. You can tighten the other screw in the top hole.
 - 
- Insert the screws into the holes and tighten the screws until only 1/4 inch of the screws are exposed.
 - 

- Place the baby unit on the wall mount bracket. Tighten the screw into the threaded socket at the bottom to secure the baby unit.
 - 
- Place the baby unit on the wall mount bracket. Tighten the screw into the threaded socket at the bottom to secure the baby unit. Align the holes on the wall mount bracket with the screws on the wall, and slide the wall mount bracket down until it locks into place.
 - 

- You can maximize your baby unit's viewing angles by tilting the wall mount bracket. Hold the baby unit, and then rotate the knob in an anti-clockwise direction. This will loosen the joint of the wall mount bracket. Tilt your baby unit up or down to adjust to your preferred angle. Then, rotate the knob in a clockwise direction to tighten the joint and secure the angle.
 - 