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USER'S GUIDE

BB3500 Series / BB4300 Series Version 1.0



Safety Precautions

- Adult assembly is required. Keep small parts away from children when assembling.
- This product is not a toy. Do not allow children or infants to play with it.
- This video monitor is not a substitute for responsible adult supervision.
- Test the video monitor before use. Become familiar with its functions.
- Keep the cords out of reach from children and infants.
- Never use extension cords with power adapters.
- Only use the chargers and power adapters provided. Do not use other chargers or power adapters as this may damage the device and battery pack.
- Only insert batteries/battery pack of the same type.
- Insert batteries with the correct polarity.
- Do not mix new and used batteries.
- Do not mix alkaline, standard, and rechargeable batteries.
- Remove exhausted batteries from the product.
- Keep all batteries away from children and infants.
- Dispose or recycle batteries in accordance with local laws, which may vary by location.
- Do not cover the video monitor with a towel or blanket.
- Do not use the video monitor near water.
- Do not install the video monitor near a heat source.
- Do not touch the plug contacts with sharp or metal
 - objects.
- Keep this user's guide for future reference.

To Avoid Injury to Children & Infants:

- MAKE SURE to keep the camera and all power cords are least 3ft / 1m away from cribs and out of reach of your child.
- Use the included cable clips to help keep power cords away from your child.

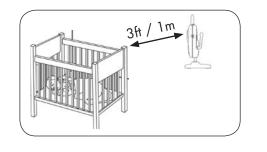
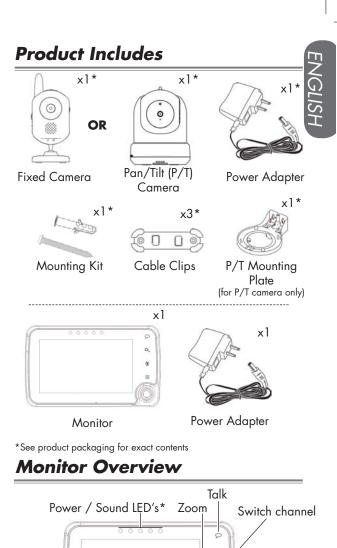
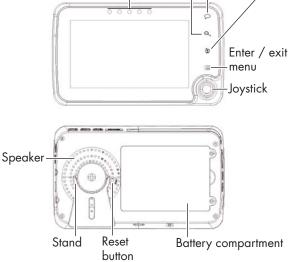


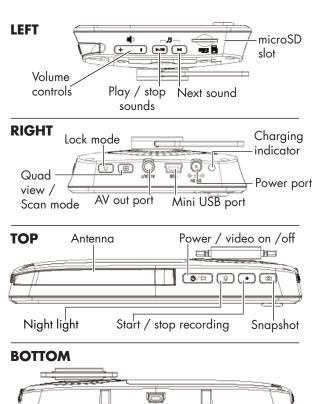
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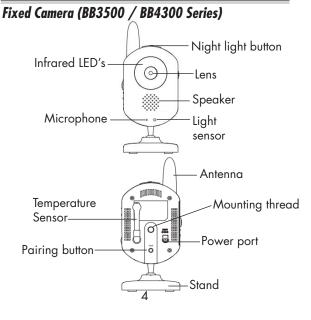
*Power / Sound LED's on the left side of the 3.5'' LCD monitor

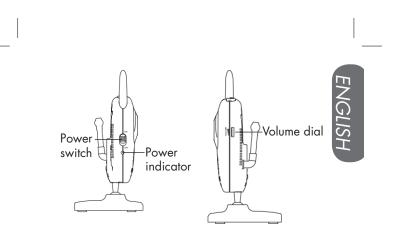


Wi-Fi Cradle connector*

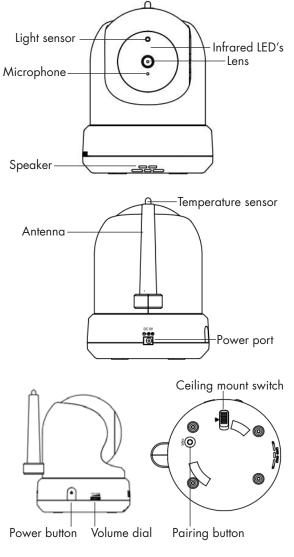
*Wi-Fi Cradle not included. See "Remotely Connecting to Your Cameras" on page 31 for details.

Camera Overview

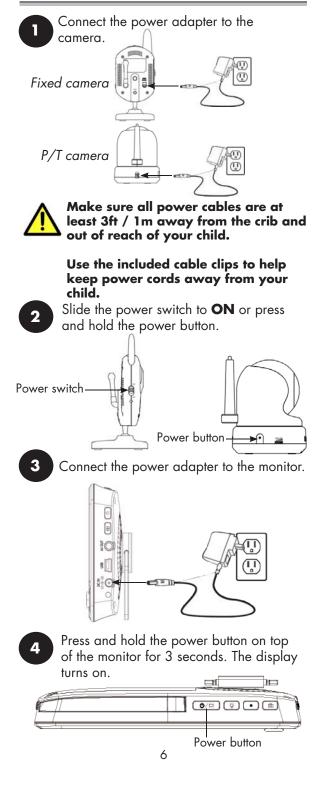




P/T Camera (BB3500 Series)



Getting Started



Optional - Mounting the Camera

Before permanently mounting the camera:

- Determine where you will get the best view of your baby.
- Ensure the power cable is long enough to power the camera.
- Test your camera(s) before mounting permanently.



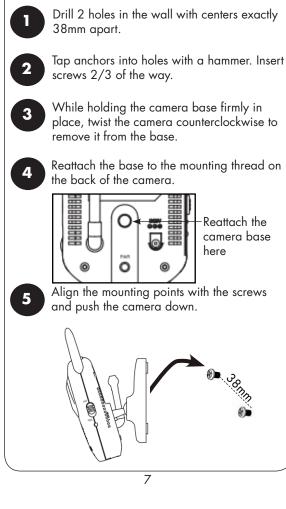
Make sure all power cables are at least 3ft / 1m away from the crib and out of reach of your child.

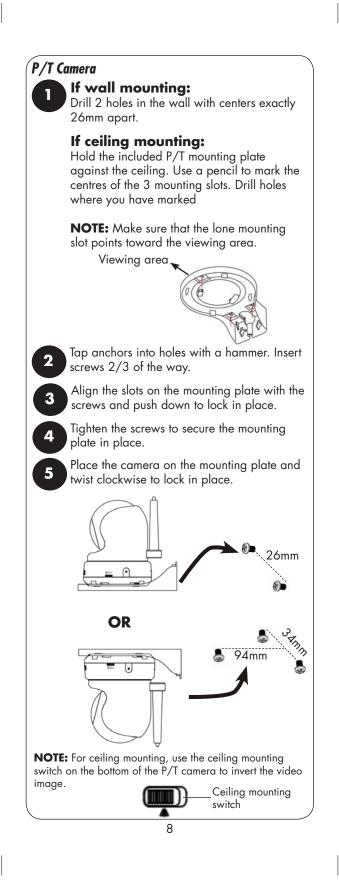
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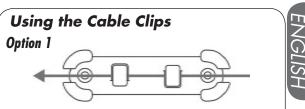
Use the included cable clips to help keep power cords away from your child. See "Using the Cable Clips" on page 9 for installation details.

To mount your camera:

Fixed Camera



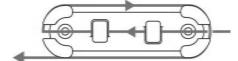




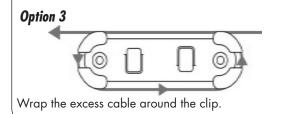
シエ

Thread the extra cable through the cable clip notches.

Option 2

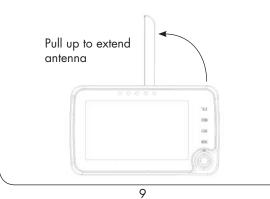


Thread the extra cable through the cable clip notches. Wrap the excess cable around the clip.



Tips

- It is recommended to charge the battery for 5 hours before use.
- The charge LED glows red while the monitor is
- charging and glows green when charging is complete. • For overnight monitoring, it is recommended to connect the power adapter. When fully charged, the monitor will stay on up to 4 hours in normal mode or 8 hours in Video ÓFF mode.
- Use Power Save mode to conserve battery power. The power LED glows constantly when battery is full •
- and blinks twice per second when running low. • For better reception, pull up the antenna on the monitor.



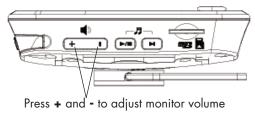
Using Your Baby Monitor

The monitor shows the following icons during use:

lcon	Meaning		lcon	Meaning
$\Psi_{\rm atl}$	Signal strength			microSD card inserted
cam 1	Selected channel		Ð	File overwrite enabled
REC	Recording			New pictures or videos
<1×	Volume muted			or videos
	Digital zoom			Battery full
X2	Digital zoom activated		Battery low	
.,,	Song currently playing			Battery
\bigcirc	Talk feature			charging
243	activated		68 °F	Current room
0	Touch buttons		.	temperature
	locked		Out	Camera out of
Ø	Timer set	of range		range or off.
୍ର	Night light on			

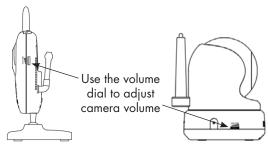
Adjusting Volume

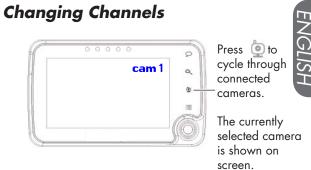
Monitor



Fixed Camera

P/T Camera

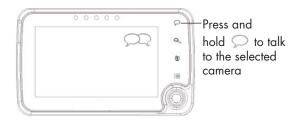




The monitor only plays sound from the camera that is currently being viewed.

To connect additional cameras to the monitor, see "Pairing Additional Cameras" on page 34.

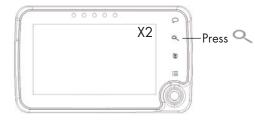
Talking to Your Baby



Using Digital Zoom



Press Q on the monitor to zoom in. A X2 icon appears on the screen.



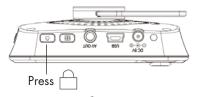


Move the joystick to adjust the zoom area.

Press \bigcirc again to return to normal viewing mode.

Locking the Monitor

Press the Lock button () on the side of the monitor to disable the touch buttons on the front of the monitor. A lock icon () appears on the monitor. Use this function to keep from pressing touch buttons by accident.



Press the Lock button () again to re-enable touch buttons.

Video Off Mode (Audio Only Mode)

Video Off mode is a power-saving function which turns the monitor's display off while continuing to play audio from the camera(s).



Press $\bigcirc / \rightleftharpoons$ to turn the screen off and monitor sound only.

The monitor will play sound from the selected channel only.

NOTE: If Scan mode is enabled, the monitor will play sound from the channel that is currently selected.



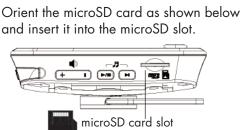
Press any button to turn the screen back on.

NOTE: See "Using Power Saving Mode" on page 29 for more power-saving options.

Inserting a microSD Card

You must use a microSD card (not included) with your video monitor to store picture and video files from your camera(s). The video monitor supports microSD cards up to 32 GB (gigabytes).

To insert a microSD card:





1

Push the microSD card in until it clicks into place.

You can now save recorded video and snapshots from your camera(s) on your monitor. See "Using Playback Mode" on page 25 for details on viewing and managing video and picture files.

Video Recording

You can save recorded video from a single camera or all cameras connected to your system. Video files are saved to the microSD card (not included).

To record video:



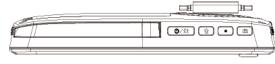
Use the monitor to view the channel(s) you wish to record video from.

You can record video from one channel by using normal viewing mode, or all channels using Quad mode.



3

Press the manual recording button (●) on top of the monitor to begin recording.



Recording button

Press the manual recording button (•) again to stop recording. Recording will stop automatically after 10 minutes.

A new file icon (—) appears on the screen.

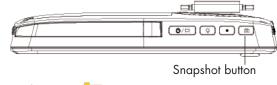
For details on viewing and managing videos, see "Using Playback Mode" on page 25.

Taking Snapshots

The snapshot feature allows you to capture images from a single camera channel in normal viewing mode or all 4 channels in Quad mode. Snapshot images are saved to the microSD card (not included).

To take a snapshot:

Press the Snapshot button (()) on top of the monitor to save a picture of your monitor's display.

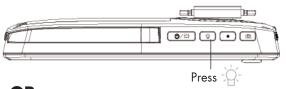


A new file icon (-) appears on the screen.

For viewing and managing snapshots, see "Using Playback Mode" on page 25.

Using the Night-Light

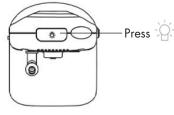
Press the night light button ($\neg \Box \neg$) on top of the monitor to turn on the night light for the currently selected camera.



OR

Fixed Camera Only

Press the night light button ($-Q^{-}$) on top of the camera where light is needed.



Playing Sleep & Soothe Sounds

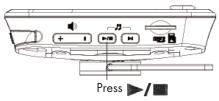
The camera can play 5 different pre-loaded Sleep & Soothe sounds.

To play sounds:





Press the **>/** button on the side of the monitor to play sound on the currently selected camera.

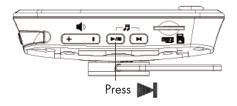


A **J** icon with the number of the currently playing sound (1-5) appears in the bottom-left corner of the monitor.





Press the button on the side of the monitor to play the next sound in sequence.





Press the **/** button to stop playing sounds.

Using Quad and Scan View Mode

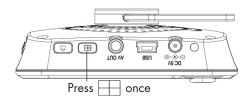
If you have multiple cameras, Quad view mode and Scan view mode help you keep an eye on them.

Scan view mode

Use Scan mode to display video from each camera connected to your system in full-screen for 3 seconds before switching to the next camera.



From normal viewing mode, press once to activate Scan mode. The monitor will begin displaying connected video channels in sequence.





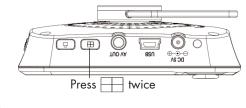
Press 🝥 to return to normal viewing mode.

Quad view mode

Use Quad mode to display video from all 4 camera channels in split-screen (viewing area appears black for channels that do not have a camera connected).

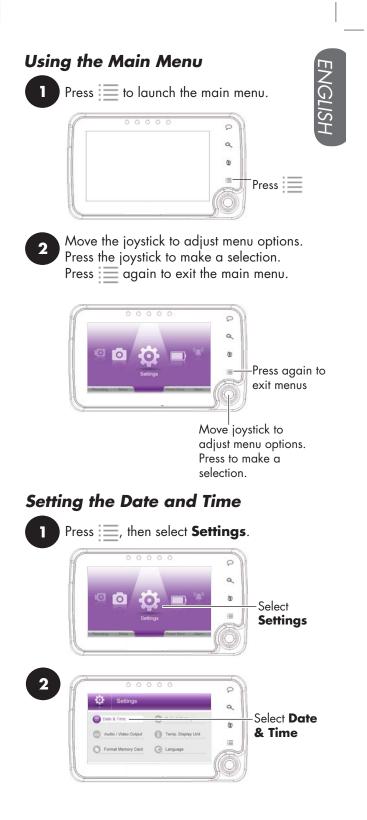


From normal viewing mode, press twice to activate Quad mode. The monitor will display all 4 channels in split-screen.





Press 🧕 to return to normal viewing mode.





Move the joystick left and right to switch between fields. Move the joystick up and down to adjust the date and time.



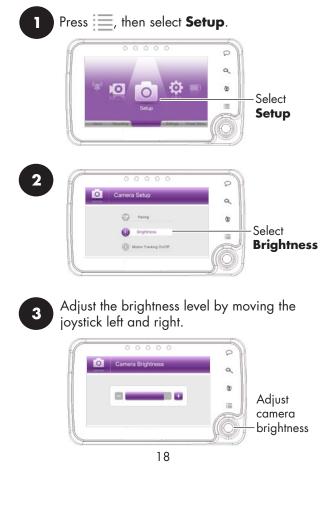
NOTE: Video monitor uses 24-hour time.



Push the joystick in to save changes.

Press 🗮 repeatedly to get back to normal viewing mode.

Adjusting Camera Brightness



Configuring Recording Options

You may choose to record video at a low or high quality depending on your recording needs.

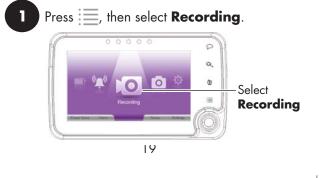


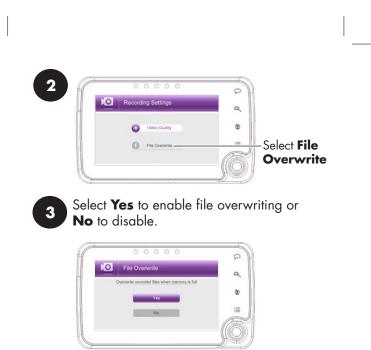
To adjust video quality: Press ==, then select **Recording**. 1 P ۹ ۲ 0 Select 1 Recording 2 0 0 0 0 0 0 0 ٩ Select Video 0 Quality File Overwi Select High for clearer video or Low for 3 smaller file size. 0 0 0 ۲

Configuring Recording Options

You can configure your system to overwrite old video files to make way for new recordings.

To configure file overwriting:

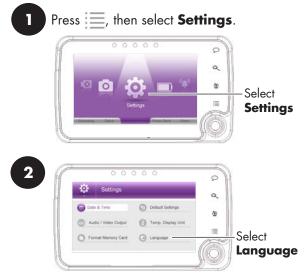




Changing Languages

This baby monitor supports 3 languages: English, French, and Spanish.

To change languages:





Move the joystick up and down to switch between languages. Press the joystick to select a language.

ENGLISH



Configuring Alarm Volume

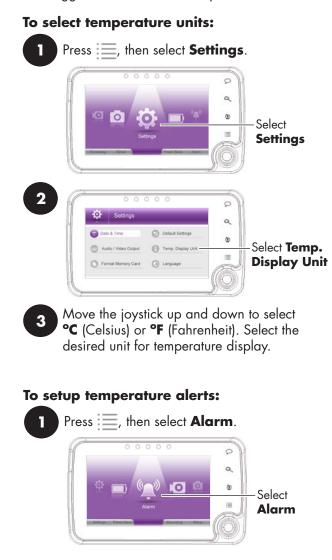
You can set the volume of the alarm used by the timer and temperature alert functions.

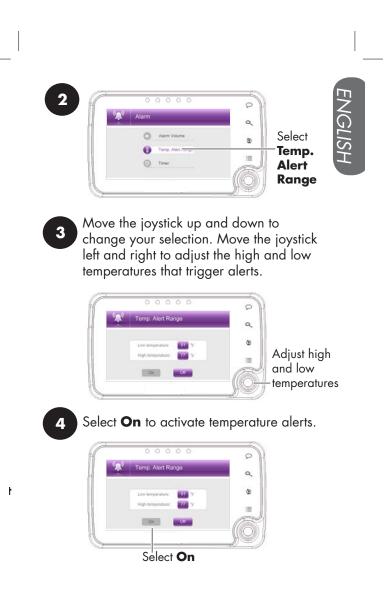
Press 📃, then select Ala	rm.	
	0. d a	–Select Alarm
2	0 d 8	–Select Alarm Volume
3 Move the joystick left and the volume of the alarm.	right 1	ro adjust
	0. d 80 III	Adjust alarm - volume

Temperature Alerts

The temperature alert feature allows you to ensure the baby's room is at a comfortable and safe temperature. The monitor beeps if the temperature gets too hot or cold. Temperature sensor is accurate within 3°F/1°C.

You can control the high and low temperatures that trigger alerts or disable temperature alerts.





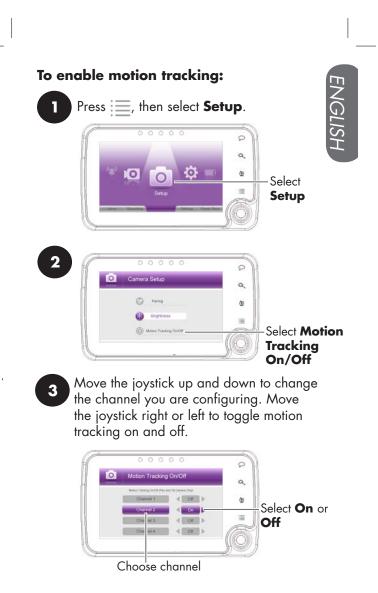
Using the Timer

the crib.

You can set the monitor to sound an alarm after a preset period of time to help you stay aware of feeding and nap times.

Press 🗮, then select Alarm .
Select Alarm
2
3 Move the joystick left and right to switch between hours and minutes. Move the joystick up and down to adjust timer duration.
Adjust timer duration
 Push the joystick in when you have finished setting the timer. Select On to start the timer or Off to cancel.
Using Motion Tracking (P/T Camera Only) P/T cameras with motion tracking enabled will follow any movement the camera detects.
NOTE: This feature is useful only for tracking single objects, such as your baby moving around

24



NOTE: You may use the joystick to override the automatic movement of your P/T camera when motion tracking is activated.

Using Playback Mode

Playback mode is used to view and manage snapshots and video files stored on the microSD card (not included).

To view files:



Press the joystick during normal viewing mode.



Move the joystick up and down to select the **VIDEO** or **PICTURE** folder. Press the joystick to select a folder.



3

Move the joystick up and down to choose the date you wish to playback. Earliest pictures and videos are shown first. Push the joystick in to select a folder.

The folders are named by the year, month, and date. For example, a folder named **02042013** means that the folder was created in **2013**, February (**02**), on the **4**th.



Move the joystick up and down to choose the file you wish to playback. Push the joystick in to select a file.

To back up picture / video files on PC:



Remove the memory card.



Insert the microSD card into a memory card reader (not included)or use an SD card adapter (not included) to convert the microSD card to SD/HCSD memory card format.



When the AutoPlay menu appears, click on **Open folder to view files.**

NOTE: If the Autoplay menu does not appear, open Windows Explorer and locate the microSD card manually. Doubleclick to view the contents of the microSD card.



Double-click the **VIDEO** folder, then select the sub-folder you want to open.

 \bigcirc

NOTE: The folders are named by the year, month, and date. For example, a folder named 02042013 means that the folder was created in 2013, February (02), on the **4**th.



Double-click the desired video file to begin playback.

To back up picture / video files on Mac:



Remove the memory card.



Insert the microSD card into a memory card reader (not included)or use an SD card adapter (not included) to convert the microSD card to SD/HCSD memory card format.



4

Double-click the USB icon (____) on your desktop to view the microSD contents.



NOTE: The folders are named by the year, month, and date. For example, a folder named **02042013** means that the folder was created in 2013, February (02), on the **4**th.



Double-click the desired video file to begin playback.

To delete files and folders:



Press the joystick to enter playback mode.



Move the joystick up and down to toggle between files or folders.





Highlight the file or folder you wish to delete. Move the joystick to the right to highlight the red "X" and push the joystick in.

NOTE: The **VIDEO** folder cannot be deleted.



Select **Yes** to delete the chosen file or folder or **No** to cancel.

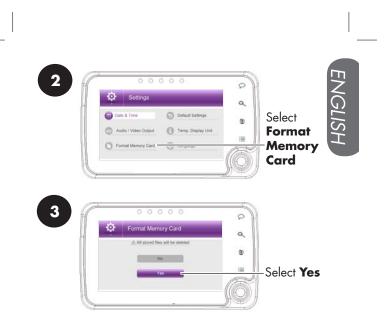


Formatting Memory Card

The format function permanently erases all saved picture and video files on the microSD card (not included). Ensure that any video and picture files you wish to keep are backed up on your computer prior to formatting.

To format memory card:





Using Power Saving Mode

Power save mode is a battery-conserving function that shuts off the monitor's LCD display if no sound is detected by your camera(s) for 2 minutes. When sound is detected, the display turns back on.

To enable power saving mode:





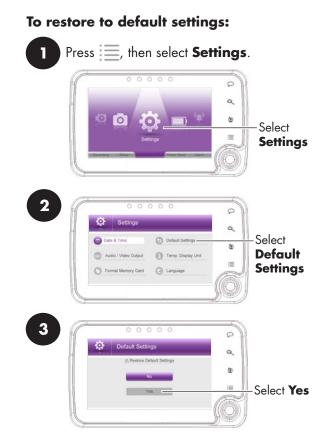
Select **On** to activate power saving mode or or select **Off** to cancel.



Restoring Default Settings

Restoring your video monitor returns any setting changes to default settings.

NOTE: Restoring to default settings will not delete saved video and picture files.



Remotely Connecting to Your Cameras

The Wi-Fi Cradle accessory allows you to connect to your cameras from anywhere (model #: ACCWIFI1, not included). ENGLISH

Use the Wi-Fi Cradle to:

- Connect to your cameras from anywhere using your mobile phone (iOS & Android) or computer (PC & Mac).
- Remotely connect to your system without disrupting live viewing mode on your monitor.
- Provide a secure, password-protected feed for accessing your camera(s) remotely.

FPO - will be picture of Wifi Cradle

Using Audio / Video Out

For large screen viewing, you can connect the video monitor to your television (RCA only) using an optional 3.5mm to RCA adapter (model #: **ACCAVOUT1**).

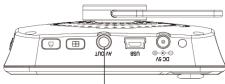
To view files on a television:



Power on the television you will use to view the baby monitor's display.



Connect the 3.5mm end of the adapter to the monitor's A/V out port.



Connect 3.5mm end



Connect the RCA ends of the adapter to audio and video inputs on your television.

Video from the baby monitor is immediately displayed on your television.

NOTE: The monitor's LCD display turns off when using this feature.



Turn on your TV to the correct input.

To configure audio / video out:

NOTE: Only required if viewing on a PAL television set.







3.5" termination

RCA termination

Pairing Additional Cameras

The camera(s) included have already been paired with the monitor. If you have purchased additional add-on cameras (model# BB311AC1 / BB351AC1), **OR** if your monitor and camera are not paired up, follow the steps below.

To pair a camera to your monitor:



2

Place the camera and monitor next to each other. Make sure the camera is turned on and plugged in.

Press 📃, then move the joystick left or right to select **SETUP**.

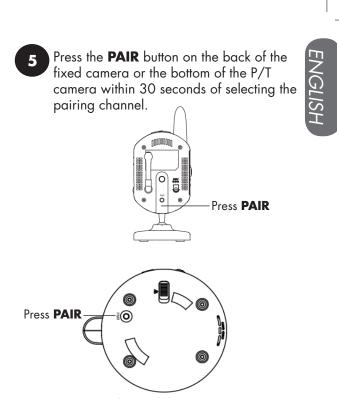




Use the joystick to select the channel you would like to pair the camera to.



If a camera is already connected to this channel, the new camera will replace the existing camera.



Live video from the camera is immediately shown on the monitor once the camera is successfully paired.

Notes

- Immediately move the camera away from the monitor to avoid speaker feedback.
- The monitor can connect up to 4 cameras.
- The monitor can be used with a combination of fixed and P/T cameras.

Technical Specifications

Fixed Camera

Frequency	2.4GHz - 2.48GHz
Maximum Range	Up to 450ft / 137m outdoors* Up to 150ft / 46m indoors*
Image Sensor	1/6" Color Image Sensor
Lens	4.9mm F2.8
IR LED	8 pcs
Power Adapter	5.0V DC 1000mA
Weight	0.2lbs / 0.1kg

P/T Camera

Frequency	2.4GHz - 2.48GHz
Maximum Range	Up to 450ft / 137m outdoors* Up to 150ft / 46m indoors*
Image Sensor	1/6" Color Image Sensor
Lens	3.0mm F2.8
IR LED	10 pcs
Power Adapter	5.0V DC 1000mA
Weight	0.6lbs / 0.3kg

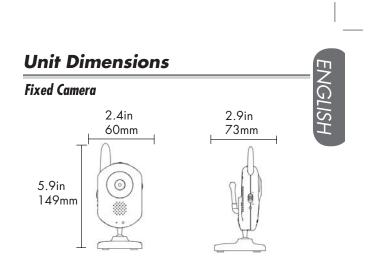
3.5″ Monitor

Frequency	2.4GHz - 2.48GHz
Display	3.5" TFT Color LCD
Power Adapter	5.0V DC 1000mA
Battery	Li-ion Rechargeable Battery 3.7V DC ???mAh
Battery Life	Up to 5 hours in normal mode Up to 8.5 hours in Video Off mode
Weight	0.4lbs / 0.2kg

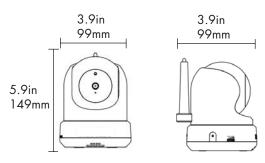
4.3″ Monitor

Frequency	2.4GHz - 2.48GHz
Display	4.3" TFT Color LCD
Power Adapter	5.0V DC 1000mA
Battery	Li-ion Rechargeable Battery 3.7V DC 1500mAh
Battery Life	Up to 4 hours in normal viewing mode Up to 8 hours in Video Off mode
Weight	0.5lbs / 0.2kg

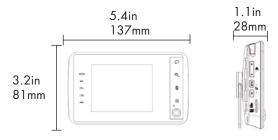
*Based on unobstructed line of sight. Actual range will vary based on surroundings.



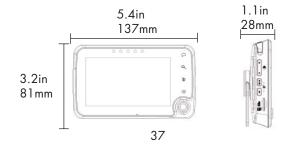
P/T Camera



3.5" Monitor



4.3" Monitor



Troubleshooting

	-
Problem	Solution
No video displayed on the monitor	 Press and hold the hetter button for 3 seconds to power on the monitor. Monitor is out of batteries. Plug in the monitor power adapter. Video Off mode is on. Press any button to turn the screen back on. Power save mode is on. Press any button to turn the screen back on. If none of the solutions above work, press the Reset button on the back of the monitor.
Monitor screen keeps turning off	 The monitor battery is low. Plug in the monitor power adapter. Power save mode is on. Press any button to turn the screen back on.
The camera is not detected; "Out of Range" is shown on the monitor	 Make sure the camera is powered on. The camera and monitor may be out of range. Extend the antennas on the monitor and camera or move the monitor and camera closer together. You may need to pair the camera and the monitor again. See "Pairing Additional Cameras" on page 34 for details. Wrong channel selected. Press () repeatedly to select a channel with a camera connected to it.
Feedback / squealing noise coming from the monitor	 Your camera and monitor may be too close to each other. Move them further apart. Lower the monitor volume.
Touch buttons on the monitor aren't working	 Press the Lock button () on the side of the monitor to unlock the touch buttons.
Display is frozen	 Press the Reset button on the back of the monitor to reboot. Settings and saved files are unaffected.

Need Help?

Product Support is available 24/7 including product information, user guides, quick start guides, and FAQ's

CLEANING

Clean the monitor and camera with a slightly damp cloth or an antistatic cloth. Never use cleaning agents or abrasive solvents.

- Do not clean any part of the product with cleaners with thinners or other solvents and chemicals. This may cause permanent damage to the product, which is not covered by the Warranty. When necessary, clean it with a damp cloth.
- Keep your camera and monitor away from hot, humid areas or strong sunlight, and do not get it wet.
- Every effort has been made to ensure high standards of reliability for your baby monitor. However, if something does go wrong, please do not try to repair it yourself. Contact Customer Service for assistance.

DISPOSAL OF THE DEVICE

At the end of the product life cycle, you should not dispose of this product with normal household waste, but take the product to a collection point for the recycling of electrical and electronic equipment. The symbol on the product, user's guide, and/or box indicates this.



GLISH

Some of the product materials can be re-used if

you take them to a recycling point. By reusing some parts or raw materials from used products you make an important contribution to the protection of the environment.

Please contact your local authorities in case you need more information on the collection points in your area. Dispose of the battery pack in an environmentally-friendly manner according to your local regulations.

NOTICES

WARNING: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the device.

FCC NOTICE

This device complies with Part 15, subpart C, 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. However, it is imperative that the user follows the guidelines in this manual to avoid improper usage which may result in damage to the unit, electrical shock and fire hazard injury.

CAUTION: To maintain compliance with the FCC's RF exposure guidelines, place the camera at least 20cm (7.87in) from nearby persons.

CANADA/IC NOTICE

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

USER'S GUIDE



STRANGULATION HAZARD:

Infants have STRANGLED in power cords. Keep power cords more than 3 feet away from cribs, bassinets, play yards and other safe sleep environments for infants.

NOTICES

FCC Notice:

This equipment has been certified and found to comply with the limits regulated by the FCC part 15, subpart C. 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.

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 on and off), 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 or television technician for assistance

Warning:

To ensure compliance with the FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm (7.87in) between the radiator and nearby persons.

Industry Canada Notice:

This device complies with Industry Canada licence-exempt RSS standard(s). 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 undesirable operation.

This Class B digital apparatus complies with Canadian ICES-003.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

MODIFICATION:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the device.

Toute modification non approuvée explicitement par le fournisseur de licence de l'appareil peut entraîner l'annulation du droit de l'utilsateur à utiliser l'appareil.

RoHS:

This product is fully compliant with the European Union Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment ("RoHS") Directive (2002/95/EC). The RoHS directive prohibits the sale of electronic equipment containing certain hazardous substances such as lead, cadmium, mercury, and hexavalent chromium, PBB, and PBDE in the European Union.

It is imperative that the user follows the guidelines in this manual to avoid improper usage which may result in damage to the product, electrical shock, and fire hazard injury. In order to improve the features, functions, and quality of this product, the specifications are subject to change without notice from time to time.

Please see the label on your device for FCC/IC certification numbers.