

# Angelcare®

AC401

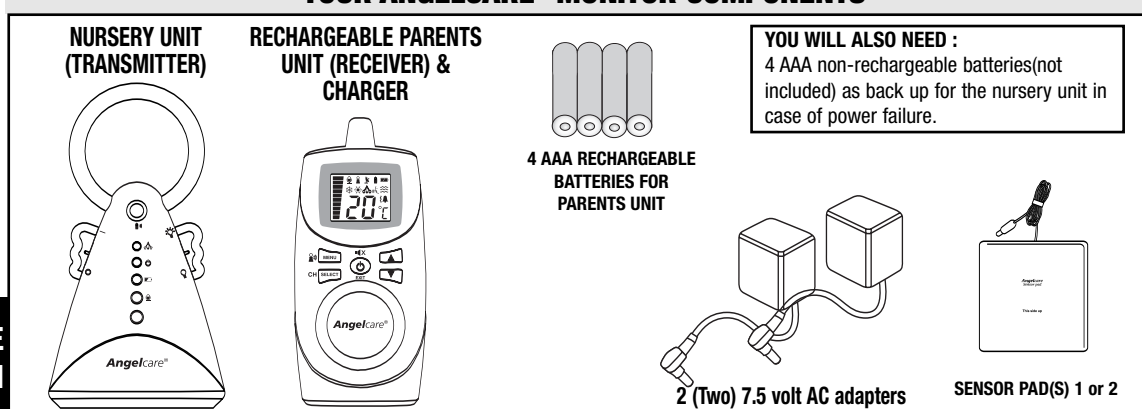
<i>Rechargeable Movement &amp; Sound Monitor</i> . . . . .	P.2	<i>Oppladbar babycall for bevegelse og lyd</i> . . . . .	P.44
<i>Moniteur de mouvements et de son rechargeable</i> . . . .	P.9	<i>Uppladdningsbart Ljud- och Rörelselarm</i> . . . . .	P.51
<i>Monitor de Movimiento y Sonido Recargable</i> . . . . .	P.16	<i>Opladelig bevægelse/lyd babyalarm</i> . . . . .	P.58
<i>Wiederaufladbarer Geräusch- und Bewegungsmelder</i> . . . . .	P.23	<i>Uudelleen ladattava liike- ja äänimonitori</i> . . . . .	P.65
<i>Monitor de movimento e som recarregável</i> . . . . .	P.30	<i>Monitor Ruchu i Dźwięku z akumulatorkiem</i> . . . . .	P.72
<i>Oplaadbare Geluids- en Bewegingsmonitor</i> . . . . .	P.37	<i>Légzésfigyelő és babaörző monitor</i> . . . . .	P.79



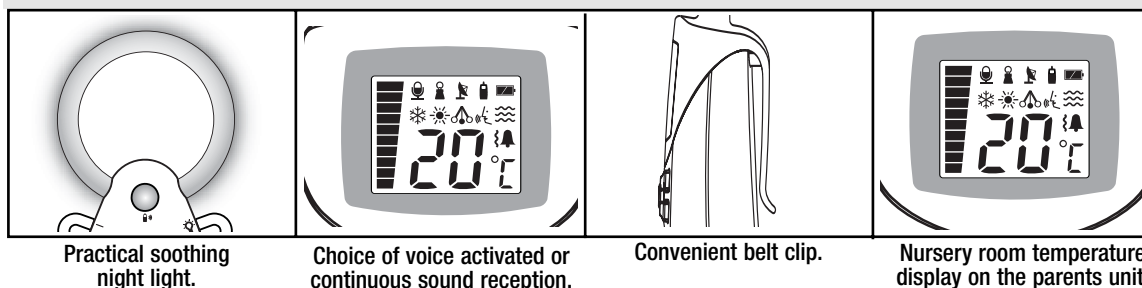
## TABLE OF CONTENT

Your Angelcare® Monitor components and special features .....	2
How to operate your Angelcare® Monitor .....	3
Testing your Angelcare® Monitor .....	5
Warnings .....	5
Maintenance of your Angelcare® Monitor .....	6
Troubleshooting .....	7
Warranty .....	8
Distributors .....	87

### YOUR ANGELCARE® MONITOR COMPONENTS

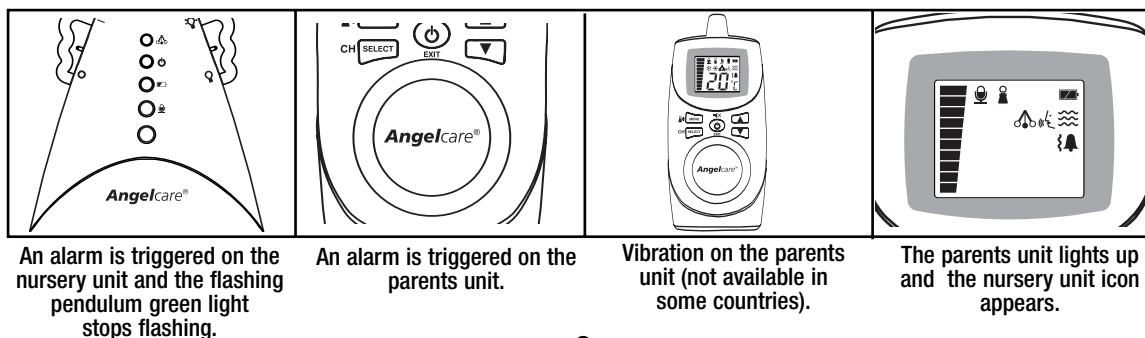


### FEATURES



### ALARM AND WARNING

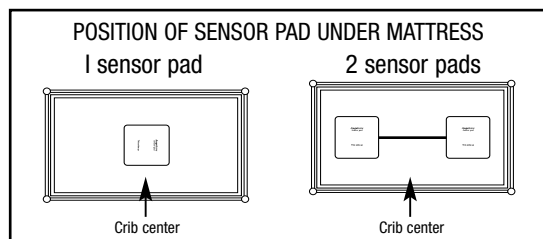
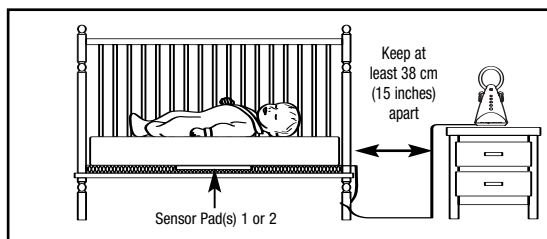
Your Angelcare® monitor will let you know if no movement is detected by alarms, vibration and visual effects. The practical portable parents unit keeps you informed at all time.



# Angelcare®

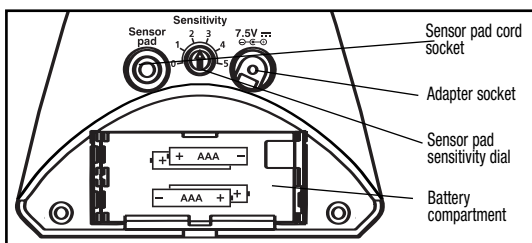
## HOW TO OPERATE YOUR ANGELCARE® MONITOR

### STEP 1 INSTALLATION OF THE SENSOR PAD UNDER THE MATTRESS



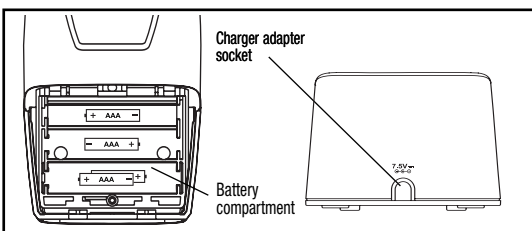
- Position the sensor pad as shown above. Make sure the printed side faces up. Do not place any bedding between the mattress and the sensor pad.
- Secure the sensor pad cord to crib using a tie wrap. **Run the cord on the floor to ensure it is out of the baby's reach.**
- The sensor pad must rest on a completely flat and rigid surface. Place a 6mm (1/4") plywood to cover the full size of the crib base. Make sure the sensor pad's cord passes underneath the mattress as shown above.

### STEP 2 INSTALLATION OF THE NURSERY UNIT



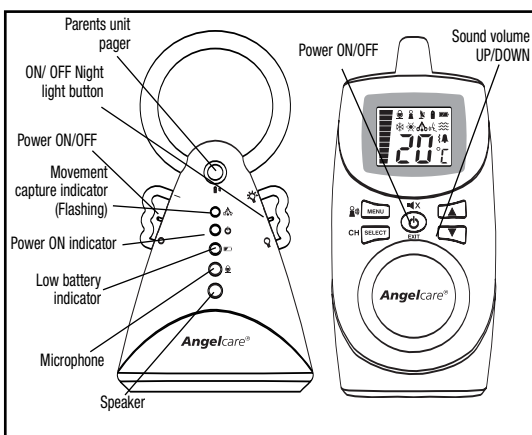
- Connect the long sensor pad cord into the nursery unit.
- Insert 4 AAA regular batteries (not included) into nursery unit (for battery backup in case of power failure).
- Connect AC adapter to nursery unit and plug adapter into an electrical outlet in the baby's room.
- After both units are properly installed you may adjust the sensor pad sensitivity level (if necessary).

### STEP 3 INSTALLATION OF THE PARENTS UNIT

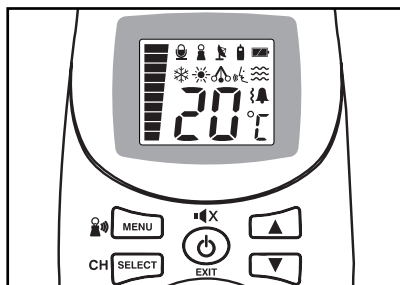


- Insert 4 AAA NIMH rechargeable batteries (included) into parents unit. NEVER use regular alkaline batteries.
- Connect AC adapter to parents unit charger and plug adapter into an electrical outlet. Let charge for 15 continuous hours before using the monitor for the first time.

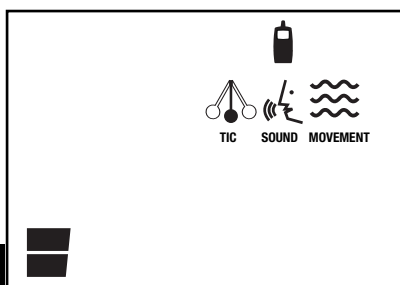
### STEP 4 HOW TO USE YOUR ANGELCARE® MONITOR



- Once the parents unit is fully charged (after 15 hours) turn the unit ON and turn the nursery unit ON. **If the parents unit is turned ON and the nursery unit is OFF, the parents unit will start beeping after 1 minutes. After 4 seconds, the unit will shut itself off.**
- The different available options are programmable but you can use the units right away, with the following factory settings :
  - Sound, movement and tic activated
  - Out of range notification OFF
  - Voice activated ON
  - Temperature display ON, Room temperature control OFF
  - Parents unit alarm ON, vibration OFF
  - Speaker volume at 3
  - Voice sensitivity at 2
- To avoid feedback (whistling sound), keep both units at least 3 meters apart (10 feet).
- You can adjust the sound volume with the arrow buttons.
- To turn the night light ON, move the right wing button UP.

**STEP 5 SCREEN AND BUTTONS**

- All programmable functions of your Angelcare® monitor are available through the MENU button.
- When the desired option appears on your screen, press SELECT.
- The different choices of each option is available through the UP and DOWN arrows.
- **AT ANY TIME after programming a function, if you wish to exit the menu selection, press on the EXIT button. If you wish to perform additional programming press MENU to view the next option.**

**STEP 6 TICS, SOUNDS AND MOVEMENTS**

Your Angelcare® monitor gives you the possibility to chose what you wish to monitor.

- The "TIC" is a sound that tells you that your sensor pad is detecting movements.
  - The "SOUND" function is activated by the baby's voice or continuous or is transmitted continuously (see STEP 8)
  - The "MOVEMENT" function is activated when movement is detected by the sensor pads. It detects all baby's movements and warns you when there is no movement.
- A CONTINUOUS BEEPING SOUND is heard when no movement is detected for 20 seconds.  
**If you are receiving false alarms, adjust the sensor pad sensitivity level (STEP 2).**

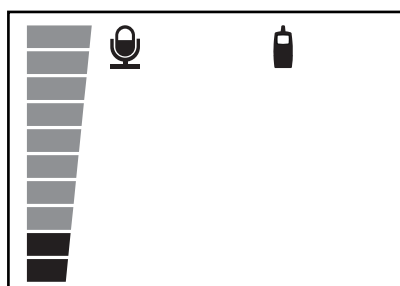
- Press MENU, the 3 flashing icons will appear.
- Using the arrows, select each icon, and decide if you want it ON or not.
- When your selection is made press SELECT, and it will bring you to the next icon.
- Press MENU to view the next option, or EXIT if you wish to stop programming now.

**STEP 7 OUT OF RANGE INDICATOR**

Your monitor is equipped with an optional "Out of range" indicator function, which will advise you when the two units are not communicating with each other. Out of range situations can be caused by distance or by physical interferences. **Range:** up to 250 meters/ 820 ft (open field); between 80 meters/ 262 ft and 100 meters/328 ft (indoors).

When the units are out of range you will hear a DOUBLE BEEP every 8 seconds and the "out of range" icon will flash on the screen of the parents unit.

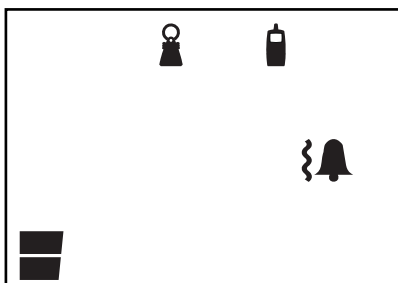
- Press MENU, the OUT OF RANGE icon and the word OFF will appear on the screen.
- Turn this function ON or OFF by using the arrows.
- Press SELECT
- Press MENU to view the next option, or EXIT if you wish to stop programming now.

**STEP 8 MICROPHONE SENSITIVITY**

The sound monitoring can be "voice activated" or "continuous". If you choose the continuous transmission mode, you will hear your baby's every little sounds. If you use "voice activated" you will hear sounds depending on the level of sensitivity that you choose.

- Press MENU, the MICROPHONE and the word ON will appear on the screen.
- Leave it ON to keep it "voice activated" or OFF to be in "continuous" mode. Use the arrows to select On or OFF.
- Press SELECT.
- If you wish to use the voice activated monitoring function, Press MENU again to chose the level of sensitivity of the microphone (4 levels), using the arrows.
- Press SELECT when the desired level appears on the screen.
- Press MENU to view the next option, or EXIT if you wish to stop programming now.

## STEP 9 ALARMS AND VIBRATION (VIBRATION NOT AVAILABLE IN SOME COUNTRIES)



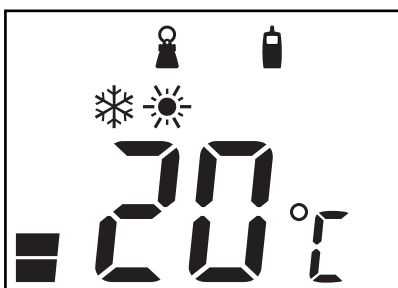
This menu will appear **ONLY** if the vibration option is available on your unit. It allows you to choose between the following notification options :

- Alarm only
- Vibration only
- Alarm and vibration

**NOTE :** The vibration mode will not work when the batteries are low or if the parents unit is on the charger.

- Press MENU and chose the desired option. The wave icon is for the vibrationmode and the bell icon is for the alarm mode.
- Select the desired option, using the arrows. Press SELECT.
- Press MENU to view the next option, or EXIT if you wish to stop programming now.

## STEP 10 ROOM TEMPERATURE CONTROL



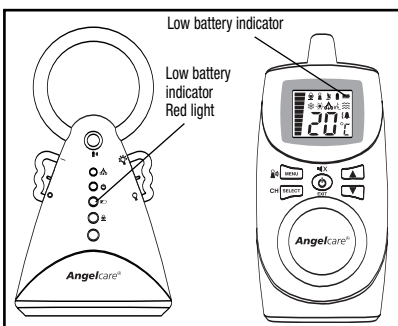
Your Angelcare® monitor can also monitor your baby's room temperature and let you know when the temperature is to high or too low. A tripple BEEP will be heard if the temperature reaches levels out of the chosen range.

- Press MENU, the snow flake and sun icons and the word OFF will appear on the screen.
- Turn it ON or OFF using the arrows.
- Press SELECT.
- If you select to have the room temperature control ON, Press MENU.

The SNOW FLAKE icon will appear, with the temperature. Select the desired lowest temperature with the arrows and press SELECT.

- Press MENU. The SUN icon will appear, with the temperature. Select the desired highest temperature with the arrows and press SELECT.
- Press EXIT as this was the last available programmable function.

## STEP 11 BATTERY MODE AND WARNINGS



- The monitor will revert to battery mode during a power failure only if batteries are inserted in **both units**.

- It is also possible to use the Angelcare® monitor in places where electricity is not available.

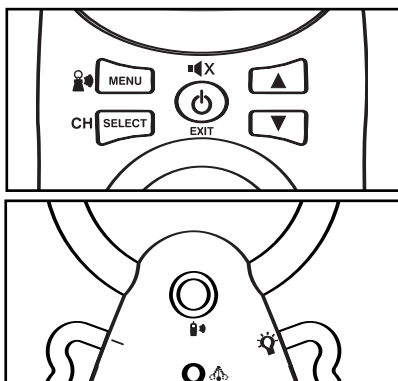
- When the nursery unit's low battery RED light is flashing, its batteries need to be replaced. On the screen of the parents unit, the battery icon flashes and the nursery unit icon appears. A short BEEP will also be heard every 15 seconds for about 30 minutes, until the unit shuts itself off.

- Parents unit should be recharged when icon is clear (will not flash) and a beep sound is heard. A short BEEP sound will be heard every 15 seconds until the unit shuts itself down.

**Note:** Do not use Alkaline batteries in the parents unit.

**IMPORTANT :** If the "Out of range" function is ON, when the nursery unit shuts itself off, the "Out of range" signal will be heard and displayed on the parents unit.

## STEP 12 ADDITIONAL FUNCTIONS



- **CHANNEL SELECTION :** If the transmission is not clear, or if you hear parasite sounds, you should change the channel. Press and hold the SELECT button to change the channel (with the arrows). Then press the SELECT button again to confirm.

- **TEMPORARY MUTE :** If you want to mute the sound for 2 minutes, press the center EXIT button. To reactivate the sound before the 2 minutes have elapsed, press EXIT again. You can also turn the alarm off by pressing the same button (this does not apply to the the low battery alarm).

- **CONNECTING THE PARENTS UNIT TO THE NURSERY UNIT:**

If you lose the connection between the 2 units, press and hold the MENU button on the parents unit, the "out of range" indicator will flash. Press and hold the top button of the nursery unit to re-connect to the nursery unit. The Tic light flashes.

- **PAGING:** If you want to locate the parents unit, press the top button of the nursery unit.

## Testing Your Angelcare® Monitor

**Note:** Test your Angelcare® monitor **BEFORE** using it for the first time and then on a regular basis to make sure that it is functioning properly.

The Angelcare® monitor can be used outside of the crib in a different sleeping area. Test your monitor when moving the sensor pad to a new location to ensure sensitivity is adjusted correctly to the new padding or mattress. Consult the movement sensitivity adjustment section (step 6).

1. Switch the parents unit to the "Sound Only" function. Have someone else speak into the nursery unit or place a radio near the nursery unit. You should hear sound from the parents unit. If there is no sound, refer to the Troubleshooting section.

2. Test your monitor to detect movement. Set the parents unit on the "Movement only" function. Gently move your hand on the mattress. The top green light (with pendulum symbol) will flash on the nursery unit with your every movement. Remove your hand from the mattress. Due to the lack of movement, a "pre-alarm" "Tic" sound will be emitted after 15 seconds and 5 seconds later, the alarm will sound and the green light on the nursery unit will turn off.

**NOTE:** If the alarm does not sound, the Sensor Pad may be detecting a continuous vibration from the floor, a strong draft or the crib is being touched. Avoid contact with crib when monitor is in use. Place crib near a solid supporting wall and away from strong air currents. The sensitivity of the Sensor Pad may need to be reduced, consult the movement sensitivity adjustment section.

3. To stop the alarm, place your hand lightly on the mattress so that the sensor pad starts detecting movement again. The green light with the pendulum icon will start flashing again, as movement is detected by the sensor pad. You may also shut the nursery unit OFF and turn it ON again to stop the alarm.

4. Verify that the battery mode is functional by operating both units without the AC adapters. If the green light on the nursery unit does not light up, the batteries need to be replaced. If the parents unit doesn't light up and the screen does not appear, it needs to be recharged.

## Warnings

- This product is **NOT** a medical device designed to prevent cases of Sudden Infant Death Syndrome (SIDS).
- This product is **NOT** a substitute for direct supervision of your baby. Check your baby's activities at regular intervals. Monitoring of premature babies, or those considered to be at risk, should be carried out only under the supervision of a doctor or health professional.
- **DO NOT** put the parents unit near wireless devices or a microwave oven. Such devices can disrupt the transmission of the alarm signal.
- The sensor pad may detect movement from many sources from both inside and outside your baby's room, coming for example from fans, a washing machine, loud music, etc. Make sure that all vibration sources are eliminated before using the Angelcare® monitor. Avoid contact with crib when monitor is in use. Refer to the Movement Sensitivity Adjustment (step 6) and Troubleshooting sections.
- **ALWAYS** place both units on a flat surface in the upright position, away from baby's reach.
- Make sure to plug the adapter to the socket outlet nearest to the equipment and that is easily accessible.
- Possible entanglement or strangulation injury. Keep all cord out of baby's reach.
- **DO NOT** touch the end of the adapter cord when it is plugged into an electrical outlet.
- The Angelcare® monitor uses public airwaves to transmit signals. The parents unit may pick up signals or interference from other nursery monitors in your area. Your monitor may even be picked up by other

households. To protect your privacy, make sure both units are in the OFF position when not in use.

- **When monitor is in use, DO NOT use a crib mobile or other crib accessories that produce vibrations. The alarm will not sound as the monitor will still be detecting movement.**

- **The Angelcare® monitor is perfectly safe. The sensor pad and its cord is entirely passive. They carry no electrical current and do not radiate any form of energy. The nursery unit emits only very low power radio signals through its antenna. These signals do not present a safety hazard.**

- Your monitor can be used in any crib or sleeping area (that has no motion or vibration) designed to safely hold a baby.

- To monitor **twins** :

You will need two Angelcare® AC401 Movement & Sound Monitors. Make sure that each monitor is set to a different channel. You will need to use both parents units (one for each crib).

**Do not use the Angelcare® monitor if both babies are placed in one crib or bassinet.**

- This product should be serviced by qualified personnel. There are no user serviceable parts inside the monitor. Refer all service questions to your distributor.

## Maintenance of your Angelcare® monitor

**RETAIN INSTRUCTIONS:** Keep the user's manual for future reference.

**WATER, MOISTURE AND HEAT DAMAGE:** Keep all components away from water (sink, bath tub, swimming pool) and places that emit heat (stove, radiator).

**VENTILATION: ALWAYS** place both units on a flat surface in the upright position so that air can flow freely around them. The sensor pad is made of plastic and does not permit the air to circulate. Therefore, mildew build up could develop underneath the mattress in the sensor pad area. We suggest rotating the mattress regularly to prevent any mildew.

**AC POWER SOURCE:** Use only the AC adapters supplied with the Angelcare® monitor.

**CORD PROTECTION:** Avoid damage to the cords of the sensor pad and adapters. Route cords so that they are not likely to be walked on or pinched by items placed upon or against them.

**CLEANING:** Disconnect all units before cleaning. **DO NOT** immerse in water. Use a dry cloth to keep monitor free from dust. **DO NOT** spray with cleaning products or solvents. Wipe sensor pad with a cloth moistened very slightly with an antiseptic or mild detergent.

**OBJECT AND LIQUID ENTRY:** Care should be taken so that objects do not fall onto units and that liquids are not spilled into either unit or sensor pad through its openings.

**NON-USE PERIODS:** When not using the monitor for any long period, remove the batteries from both units and disconnect the AC adapters from electrical outlet.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
<b>False alarms.</b>	<ul style="list-style-type: none"> <li>Baby was removed from crib and nursery unit was not switched OFF.</li> <li>Sensor Pad cord not connected properly to nursery unit.</li> <li>Sensor pad is not in full contact with crib mattress, or crib mattress is not resting on a completely flat or rigid surface.</li> <li>Baby is in a very deep sleep or has moved away from sensor pad, to the edge of the crib.</li> </ul>	<ul style="list-style-type: none"> <li>Turn off the nursery unit.</li> <li>Verify the connection between the sensor pad and nursery unit. Unplug and reconnect the cord.</li> <li>Make sure there is no bedding between mattress and sensor pad. Sensor pad <b>must</b> rest on a completely flat and rigid surface. Place a piece of 6 mm (1/4") plywood to cover the full size of the crib base.</li> <li>Make sure sensor pad is positioned as described under the section How to operate your Angelcare® monitor. Sensitivity may need to be adjusted, consult the section on testing your Angelcare® monitor.</li> </ul>
<b>Alarm will not sound.</b>	<ul style="list-style-type: none"> <li>Nursery unit is detecting movement when crib is being touched.</li> <li>Nursery unit is detecting movement from outside the crib such as motorized devices, strong drafts, etc...</li> <li>Sensitivity is set too high.</li> </ul>	<ul style="list-style-type: none"> <li>Avoid contact with the crib when monitor is ON.</li> <li>Place crib near a solid supporting wall to avoid sensor pad from detecting movement from outside crib.</li> <li>You may need to decrease the sensitivity, consult the section on Testing your Angelcare® monitor and the section How to operate your Angelcare® monitor.</li> </ul>
<b>No sound is being transmitted.</b>	<ul style="list-style-type: none"> <li>Units are too far apart (out of range indicator is off on the parent Unit).</li> <li>Batteries are low or improperly installed.</li> <li>AC adapters are not connected properly or electrical outlet is out of order.</li> <li>One of the units is not ON.</li> </ul>	<ul style="list-style-type: none"> <li>Bring parents unit closer to nursery unit.</li> <li>Check/replace batteries or recharge parents unit</li> <li>Check connections or change to another electrical outlet.</li> <li>Ensure both units are ON.</li> </ul>
<b>Nursery unit power ON indicator (second green light) does not light up.</b>	<ul style="list-style-type: none"> <li>AC adapters are not connected properly or electrical outlet is out of order.</li> <li>Nursery unit is not ON.</li> </ul>	<ul style="list-style-type: none"> <li>Check connections or change to another electrical outlet.</li> <li>Move the left wing up to the ON position.</li> </ul>
<b>Parents unit is ON but the digital screen shows "--" and the nursery unit icon is flashing</b>	<ul style="list-style-type: none"> <li>The nursery unit is not ON.</li> </ul>	<ul style="list-style-type: none"> <li>Turn the nursery unit ON.</li> </ul>
<b>Very weak reception</b>	<ul style="list-style-type: none"> <li>Units are too far apart and the "out of range" indicator is OFF.</li> <li>One or both units are placed near a large metal mass.</li> <li>One or both units are not in the upright position.</li> <li>Batteries are low.</li> <li>The link between the parent and nursery unit is lost.</li> </ul>	<ul style="list-style-type: none"> <li>Turn "out of range" indicator ON as shown in STEP 7 in the How to operate your Angelcare® Monitor section.</li> <li>Bring units closer together.</li> <li>Change the position of one or both units.</li> <li>Place units on a flat surface away from baby's reach.</li> <li>Replace the batteries or recharge parents unit.</li> <li>Connect the parent unit to the nursery unit as shown on STEP 12 of the How to operate your Angelcare monitor section.</li> </ul>
<b>Static, distortion, interference (interference from other monitors, wireless phones, walkie-talkies, etc...).</b>	<ul style="list-style-type: none"> <li>Selected channel is not free of interference.</li> <li>Parents Unit located near motorized devices, fluorescent lights, television, etc...</li> </ul>	<ul style="list-style-type: none"> <li>Select a different channel as shown on STEP 12 of the How to operate your Angelcare® monitor section.</li> <li>Rotate Parents unit or move it away from source of interference.</li> </ul>
<b>Feedback (loud noises emitted from Parents Unit).</b>	<ul style="list-style-type: none"> <li>Units are too close to each other.</li> </ul>	<ul style="list-style-type: none"> <li>Move units farther apart (at least 3 meters/10 feet apart).</li> <li>Decrease volume on parents unit.</li> </ul>

## LIMITED WARRANTY

Angelcare® warrants to the original owner of this product that Angelcare® rechargeable movement and sound monitor (model AC401) is free from any material and workmanship defects, for a period of one (1) year from the date of the original purchase. If this monitoring system fails to function properly when used as directed under normal conditions within the one-year period, Angelcare® will either repair or replace the product, at our discretion, free of charge. Please contact your distributor.

The product must be accompanied by a proof of purchase, either a bill of sale or other proof that the monitoring system is within the warranty period. Angelcare® will bear the cost of repairing or replacing the product and shipping it back to you.

**This warranty does not apply to a product which has been damaged as a result of improper maintenance, an accident, improper voltage supply or any other form of misuse. The warranty is also void if the owner repairs or modifies the product in any way. Angelcare® is not liable for any incidental or consequential damages with regard to this product. The warranty also excludes any liability other than what is stated above. No other warranty is given.**

LEGAL RIGHTS VARY FROM COUNTRY TO COUNTRY. SOME COUNTRIES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

WE ARE NOT IN ANY WAY RESPONSIBLE FOR ANY OUTCOME RESULTING FROM THE USE OF THIS PRODUCT.

**IMPORTANT!** This Angelcare® monitor is a personal care product. Please do not return this product to the store. If you have questions or need help, please call your distributor before returning this product.

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.

**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.

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

### CAUTION:

- To reduce the risk of electric shock, do not expose this appliance to rain or moisture.
- Danger of explosion if battery is incorrectly replaced. The included batteries are 4 AAA NIMH rechargeable batteries manufactured by Sanik Battery Co. Ltd. SN-AAA60HJ 1.2V 600mAh and by GPI International Limited, GN60AAAHC, 1.2V 600mAh. **They may only be replaced by 4 AAA NIMH rechargeable batteries.**

### Transmission:

927 MHz (USA and Canada)

864 MHz (Europe, Asia, Africa, Oceania)

Data transmission between the parents unit and nursery unit is made on the 2.4GHz frequency.



### Protect the environment!

This electronic equipment contains reusable material and must not be disposed with domestic waste. Please take it to a collecting point for electric and electronic equipment (ask your local authorities for details).