

Angelcare[®]

AC301
AC301-R

Digital 2.4GHz

Movement & Sound Monitor

Movement & Sound Monitor (Rechargeable)

Numérique 2.4 GHz

Moniteur de mouvements et sons

Moniteur de mouvements et sons (Rechargeable)



IMPORTANT NOTICE

IN RANGE FUNCTION

The in range function is DEACTIVATED when turning on the monitor (See instructions).

AC301 - RECHARGEABLE

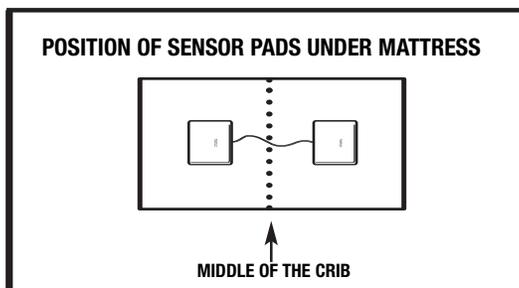
Only use RECHARGEABLE batteries in the parents unit.

DIGITAL CODING SYSTEM

This monitor is equipped with a digital coding system which eliminates interferences. The codes are written on the box and in the battery compartment. For use of 2 Angelcare movement and sound monitor in same household or when interferences occur with an Angelcare in another household, ensure the 2 monitors have 2 different digital coding system

USE OF THE ANGELCARE MONITOR WITH 2 SENSOR PADS

Connect the two sensor pads using the shorter wires. Position sensor pads as illustrated below. If you are using a bassinette or a small crib, position the one sensor pad with 2 cords in the middle of the crib under the mattress. Connect the long sensor pad cord to the nursery unit. The printed side of sensor pads **MUST** be face up. **DO NOT** tuck thick bedding under the edges of the mattress.



USE OF THE ANGELCARE MONITOR WITH 2 PARENT UNITS

Make sure all 3 units (the 2 parent units and the nursery unit) are on the same channel either A, B or C.

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SECURE SENSOR PAD CORD TO CRIB LEG USING A TIE WRAP. RUN SENSOR PAD CORD ON FLOOR TO ENSURE CORD IS OUT OF BABY'S REACH.

Figure 1

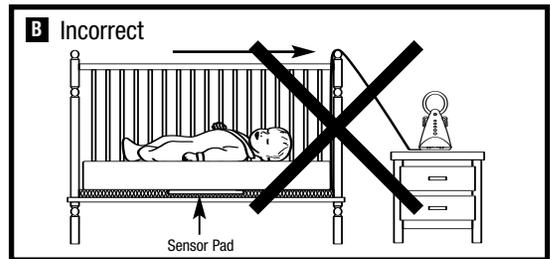
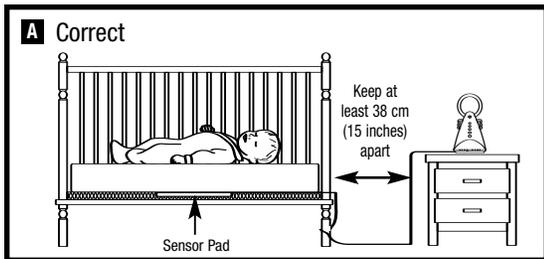


Figure 2

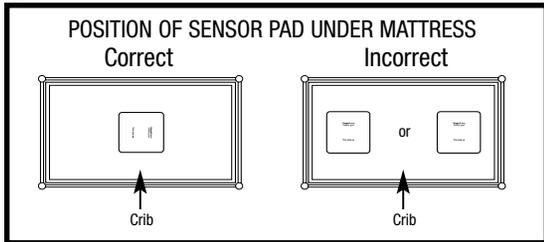


Figure 3

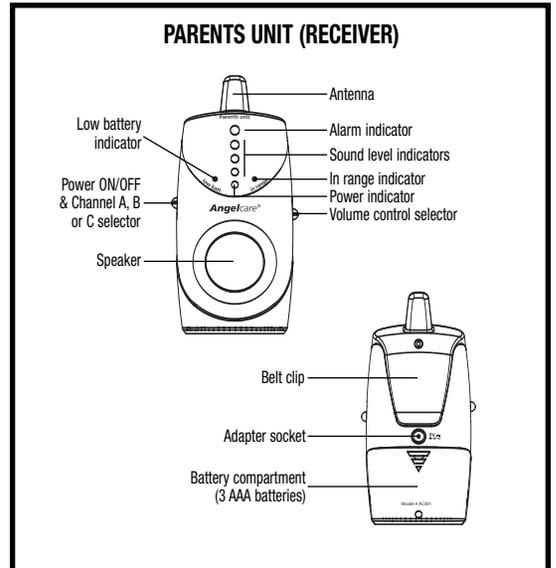


Figure 4

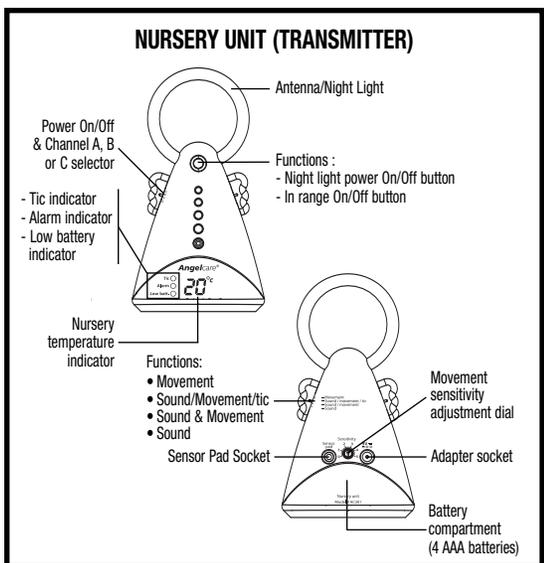


Figure 5

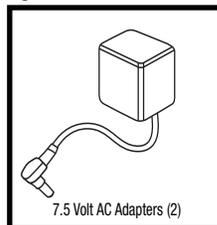
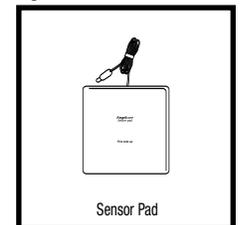


Figure 6



5 EASY STEPS TO OPERATE YOUR ANGELCARE® MONITOR

STEP 1. SENSOR PAD

Position Sensor Pad as illustrated (Figures 1 and 2). Connect the long Sensor Pad cord to the Nursery Unit (Figure 4). The printed side of Sensor Pad **MUST** face up. **DO NOT** tuck thick bedding under the edges of the mattress.

The Sensor Pad must 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. Make sure the sensor pad's cord passes underneath the mattress as shown in figure 1.

STEP 2. NURSERY UNIT (TRANSMITTER)

- Insert 4 AAA batteries into Nursery Unit (for battery backup in case of power failure).
- Connect Sensor Pad to Nursery Unit (Figures 4 and 6).
- On the back of the Nursery Unit, select 1 of the 4 functions of how you want to monitor your baby from the Parents Unit:
 - Movement:** To use the movement only function. This does not transmit any sound to the parent unit.
 - Sound/Movement/Tic:** To hear sounds, see sound lights and hear a "Tic" sound with every movement baby makes.
 - Sound/Movement:** To hear sounds, see sound lights function **BUT** without the "Tic" sound.
 - Sound:** To hear sounds and see sound lights on Parents Unit.
- Connect AC adapter to Nursery Unit and plug adapter into an electrical outlet.
 - NOTE:** The sensitivity adjustment has been preset. **DO NOT ADJUST UNLESS NECESSARY.** If poor capture of movement (red flashing light) or false alarm occurs, consult the Movement Sensitivity Adjustment section.

STEP 3. PARENTS UNIT (RECEIVER)

Model AC301: Insert 3 AAA batteries into Parents Unit. Connect AC adapter to Parents Unit and plug adapter to an electrical outlet.

Model AC301-R: The pre-installed NiMH rechargeable batteries need to be charged for **15 hours continuously before first-time use.** To charge, connect the AC adapter to the Parents Unit. Plug AC adapter to an electrical outlet (Figure 3). The batteries will charge as long as it is connected to a powered AC adapter. The position of the switches will not effect charging.

For longest battery life, recharge the Parents Unit when the orange Low Battery light flashes. Batteries need to be charged for 12 hours continuously.

NOTE: Only the Parents Unit is rechargeable in Model AC301-R.

- Adjust the volume control to the desired level.

STEP 4. TO USE MONITOR

Place baby in crib and switch both units ON by selecting either channel A, B or C. If reception is not clear, switch to another channel. **Make sure both units are on the same channel.** When removing baby from crib, switch Nursery Unit to the OFF position. If you forget to switch OFF, a "pre-alarm Tic" will sound after 15 seconds as a reminder followed by an alarm 5 seconds later. To avoid feedback (whistling sound), keep both units at least 3 meters apart (10 feet).

Note: When both units are turned ON, a "--" symbol will appear on the nursery unit temperature display screen. It will stay ON for 20 seconds. During this time the nursery unit is sending the settings to the parents unit. Once the room temperature is displayed on the nursery unit, the monitor is ready to be used.

STEP 5. BATTERY MODE

- When unplugging AC adapter from each unit, **make sure** unit is switched OFF. Otherwise, unit will revert to battery mode.
- The monitor will revert to battery mode during a power failure only if batteries are inserted in both units. Insert batteries into Nursery Unit and Parents Unit for Model AC301. When orange Low Battery indicator flashes, change batteries promptly (or recharge Parents Unit for Model AC301-R).

Note:

- Test your Angelcare® Monitor **BEFORE** first-time use and then on a periodic basis.
- **When monitor is in use, DO NOT use crib mobile or other crib accessories that produce vibrations. Alarm will not sound as monitor is still 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 need two AC301 Movement & Sound Monitors or one AC301 Movement & Sound Monitor and one AC300 Movement only monitor. You should have one nursery unit on Movement function and the other nursery unit on Sound/Movement/Tic or Sound/Movement. You can use only one parent unit on the same channel. The sound monitor of one AC301 is sufficient to monitor both babies in the same room. Do not use the Angelcare® to monitor movement of two babies in one crib or bassinet.

Warnings

- This product is **NOT** a medical device nor a device 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.
- Please make sure you **DON'T** put the Parent Unit near wireless devices and microwave ovens. This may 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, for example: fans, washing machines, loud music, etc. **Ensure 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 and Troubleshooting section.**
- **ALWAYS** place both units on flat surface in an upright position, away from baby's reach.
- **DO NOT** touch the end of the adapter cord when 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.
- This product should be serviced by qualified personnel. There are no user serviceable parts inside monitor. Refer all service questions to your distributor (see page 14).

Instructions

RETAIN INSTRUCTIONS: Keep 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 flat surface in an upright position so that air can flow freely around them.

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 very slightly damp cloth 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 monitor for long periods, remove the batteries from both units and disconnect the AC adapters from electrical outlet.

Testing Your Angelcare® Monitor

Note: Test your Angelcare® Monitor BEFORE first-time use and then on a periodic basis.

The Angelcare® Monitor can be used outside of the crib, in a different sleeping area. Test monitor when moving 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 1. On the Nursery Unit, switch to the "Sound Only" function. Have someone else speak into the Nursery Unit or place a radio near

Nursery Unit. You should hear sound from the Parents Unit. If there is no sound, refer to the Troubleshooting section. **Make sure that both units are on the same channel, either on A, B or C. If reception is not clear, switch to other channel.**

Step 2. Test monitor to detect movement. Switch Nursery Unit to the "Movement" function. Gently move your hand on the mattress. The green light will continue to flash with your every movement. Remove hand from mattress. Due to no movement, a "pre-alarm Tic" sound will emit after 15 seconds. 5 seconds later, the alarm will sound and the red light will flash continuously.

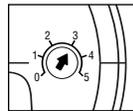
NOTE: If alarm does not sound, the Sensor Pad may be detecting a continuous vibration from the floor, a strong draft or the crib is being touched. Avoid contact with crib when monitor is in use. Place crib near a solid supporting wall and away from strong air currents. The sensitivity of the Sensor Pad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

Step 3. To stop alarm, place your hand lightly on mattress for Sensor Pad to redetect movement. The red Alarm indicator light on the Nursery Unit will continue to flash 1 minute (Figure 3).

Step 4. Verify that the battery mode is functional by operating both units without the AC adapters. The green Power light should appear on both units.

Parents Unit: When orange Low Battery indicator light appears, replace batteries promptly for Model AC301. For Model AC301-R, recharge Parents Unit for 12 hours.

Nursery Unit: When orange Low Battery indicator light appears a rapid "clicking" is heard, the temperature indicator turns off and a beep will sound every 30 seconds, replace batteries promptly. If not, the light will eventually turn red and the monitor will stop working.



Operating Tips

Movement Sensitivity Adjustment

The Sensitivity Adjustment Dial has been preset to suit most situations. However in certain circumstances, the sensitivity may not be ideal. **DO NOT** increase sensitivity unless false alarms occurs and you have followed the advice in the Troubleshooting section for false alarms. Make a note of the pre-set position of the dial should you wish to return to it.

The Alarm Indicator Light on the Nursery Unit will flash red and beep once when monitor barely detects movement. This could be a result of: baby being in a very deep sleep or baby having moved away from Sensor Pad to edge of crib. If alarm does **NOT** sound, no adjustment of sensitivity is required. If the alarm indicator light flashes red most of the time with baby directly over the location of either Sensor Pad, a false alarm may occur. If this happens, adjust the sensitivity.

To adjust sensitivity, increase dial to the next setting. Retest monitor.

Channel selection for sound reception

Make sure that both units are on the same channel, either on A, B or C. If reception is not clear, switch to another channel. If interference persists, consult the Troubleshooting section.

Green Sound Lights

The three Sound Lights allow you to see baby's sounds. The louder the sounds from baby, the more lights appear.

Temperature display

The Nursery Unit is equipped with room temperature display. The temperature is displayed in Celsius (C).

Night light halo

Press on the first light at the top of the Nursery Unit to activate the night light.

Voice activated

This monitor is equipped with a voice activated system. The nursery unit will be activated and transmit sounds to the parents unit only when it captures sound. This will make sure that the parents unit will only respond to its matching nursery unit.

Digital coding system

This monitor is equipped with a digital coding system which eliminates interferences. The codes are written on the box and in the battery compartment. For use of 2 Angelcare Movement and Sound Monitor in same household or when interferences occur with an Angelcare in another household, ensure the 2 monitors have 2 different digital coding system.

In range feature

This monitoring system is equipped with an In Range indicator. To activate this function press the night light button and hold it until the halo light flashes. If units are within range, the In Range light will flash. If out of range the In Range light will be ON with no flashing. To deactivate the In Range function, press and hold the night light button again until halo flashes. The In Range light will turn OFF.

NOTE: The parents unit has a range up to 120 meters (394 feet).

AC power source

Model AC301: The AC adapters should be used whenever possible to extend the battery life. Batteries can be kept in units while using AC

power source. Use regular AAA batteries for the AC301 model.

Model AC301-R: Use AC adapter on Nursery Unit whenever possible to extend the battery life. **For Parents Unit, use AC adapter ONLY to charge NiMh batteries. Only charge batteries when low battery indicator is on. Do not overcharge. Only use rechargeable batteries for the AC301-R model.**

Warning: Damages caused by misuse of the monitor are the customer responsibility.

Replacing the rechargeable batteries (Model AC301-R only)

When the NiMh batteries in the Parents Unit will not charge or only hold their charge for a short period of time, batteries need to be replaced. Unscrew the battery compartment door on the Parents Unit (if necessary). Remove old batteries. Insert new rechargeable batteries. Screw in the battery compartment door. Plug the Parents Unit into an electrical outlet. **Use only rechargeable batteries in the Parents Unit. Allow new batteries to charge continuously for 15 hours.**

TROUBLESHOOTING

Problem	Possible Cause	Solution
False alarms.	<ul style="list-style-type: none"> Baby was removed from crib and Nursery Unit was not switched OFF. Sensor Pad cord not connected properly to Nursery Unit. Sensor Pad is not in full contact with crib mattress, or crib mattress is not resting on a completely flat or rigid surface. Baby has moved away from Sensor Pad, to the edge of the crib. 	<ul style="list-style-type: none"> Turn Nursery Unit to the OFF position. Verify the connection between the Sensor Pad and Nursery Unit. Unplug and reconnect the cord. Make sure there is no bedding between mattress and Sensor Pad. Sensor Pad must 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. Make sure Sensor Pad is positioned as described in the 5 Easy Steps section. Sensitivity may need to be adjusted, consult the Movement Sensitivity Adjustment section.
Alarm will not sound.	<ul style="list-style-type: none"> Nursery Unit is detecting movement when crib is being touched. Nursery Unit is detecting movement from outside the crib such as motorized devices, strong drafts, etc... Sensitivity is set too high. 	<ul style="list-style-type: none"> Avoid contact with the crib when monitor is ON. Place crib near a solid supporting wall to avoid Sensor Pad from detecting movement from outside crib. You may need to decrease the sensitivity, consult the Movement Sensitivity Adjustment section.
Alarm indicator light is flashing red (monitor is barely detecting movement).	<ul style="list-style-type: none"> Sensor Pad is not in full contact with crib mattress, or crib mattress is not resting on a completely flat or rigid surface. Baby is in a very deep sleep or has moved away from Sensor Pad, to the edge of the crib. 	<ul style="list-style-type: none"> Make sure there is no bedding between mattress and Sensor Pad. Sensor Pad must 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. Make sure Sensor Pad is positioned as described in the 5 Easy Steps section. Consult Movement Sensitivity Adjustment section.
No sound is being transmitted.	<ul style="list-style-type: none"> Units are too far apart (in range indicator is off on the Parent Unit). Batteries are low or improperly installed. AC adapters are not connected properly or electrical outlet is out of order. One of the units is not ON. 	<ul style="list-style-type: none"> Bring Parents Unit closer to Nursery Unit. Check/replace batteries or recharge Parents Unit (Model AC301-R only). Check connections or change to another electrical outlet. Ensure both units are ON. Make sure both units are on the same channel, either A, B or C.
Power ON indicator (green light) does not light up.	<ul style="list-style-type: none"> Batteries are low or improperly installed. AC adapters are not connected properly or electrical outlet is out of order. One of the units is not ON. 	<ul style="list-style-type: none"> Check/replace batteries or recharge Parents Unit (Model AC301-R only). Check connections or change to another electrical outlet. Make sure both units are ON and on the same channel, either A, B or C.
Very weak reception.	<ul style="list-style-type: none"> Units are too far apart (in-range) indicator will flash rapidly and beep on the parent unit. One or both units are placed near a large metal mass. One or both units are not in the upright position. Batteries are low. 	<ul style="list-style-type: none"> Bring units closer together. Change the position of one or both units. Place units on flat surface away from baby's reach. Replace the batteries or recharge Parents Unit (Model AC301-R only).
Weak reception but the in range indicator is not lit.	<ul style="list-style-type: none"> The in range option is off. 	<ul style="list-style-type: none"> Use the night light switch to activate the range out feature. Press it and hold for 2 seconds.
Static, distortion, interference (interference from other monitors, wireless phones, walkie-talkies, etc...).	<ul style="list-style-type: none"> Parents Unit is out of range. Units are set to different channels. Parents Unit located near motorized devices, fluorescent lights, television, etc... There is an Angelcare Monitor in another household nearby. 	<ul style="list-style-type: none"> Bring units closer together. Make sure both units are ON and on the same channel, either both on channel A, B or C. Rotate Parents Unit or move it away from source of interference. The digital codes are the same on the 2 monitors. Verify the digital coding on the box or in the battery compartment.
Feedback (loud noises emitted from Parents Unit).	<ul style="list-style-type: none"> Units are too close to each other. 	<ul style="list-style-type: none"> Move units farther apart (at least 3 meters/10 feet apart). Decrease volume on Parents Unit.