

Babysense™ 6

Movement and Sound Monitor



USER GUIDE



Congratulations for purchasing BABYSENSE 6, a state-of-the-art solution for remote monitoring of your baby's sleep. With BABYSENSE 6 you can be reassured about your baby's well-being as you are resting in the master bedroom, moving about the house, or working in the garden. The present User Guide provides instructions for the installation, testing, operation, maintenance, and troubleshooting of the device.

■ BABYSENSE 6 COMPONENTS

Unpack the BABYSENSE 6 package carefully and verify that all the following components are present:

■ Rectangular sensor

Motion sensor pad used to monitor baby's movement pattern, including light breathing movements, to be placed under the mattress of a bassinet or a crib.

■ Round sensor

Additional sensor pad used to monitor babies who move about the crib, from the age that the baby is able to crawl (3-6 months).

■ Baby unit

Unit installed in the baby's room used to collect movement and transmit sound signals. It includes, an alarm buzzer, and a soft night light.

■ Parents Unit

Unit that receives the monitoring signals from the Baby unit within a range of 150m in open space. Can be used both in stationary and mobile modes.

■ Y-cable

Cable used to connect the two sensor pads to the Baby unit.

■ 2 power suppliers

AC/DC adaptors for the Baby and Parents units.

■ Strap

Strap used to carry the Parents unit.

■ Mounting bracket

Bracket used to mount the Baby unit on the crib or wall.

NOTE: Use only Power Suppliers supplied by manufacturer

■ INSTALLATION

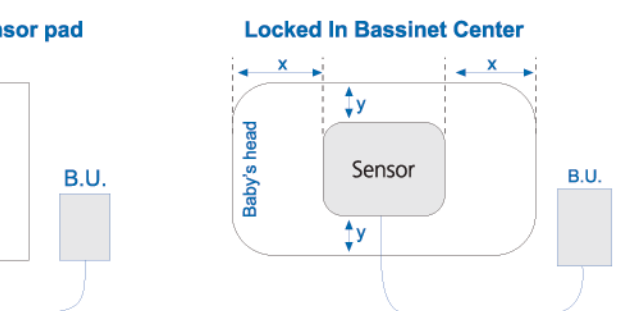
The installation of BABYSENSE 6 is quick and simple. It includes three steps:

- (1) Placing the sensor(s) under the mattress in the baby's crib;
- (2) Setting up the Baby unit;
- (3) Setting up the Parents unit.

■ Sensors

NOTES: (1) The sensor pad(s) must be placed on a flat and hard surface. If the crib has a spring (or other flexible) base, place a piece of plywood at least 500 mm wide x 600 long x 6mm thick (20"x24"x1/4") under the sensor pad to create a firm surface. (2) The sensors are entirely passive and emit no radiation of any kind.

1. Remove the mattress and place the rectangular sensor pad **face up** on the crib base right where the baby lies.
2. For older babies that are able to crawl place the round sensor 10-15cm (4"-6") apart from the rectangular one to cover a larger crib surface.
3. If using two pads, connect them to the Y-cable.
4. File the cable through the crib base or, if not possible, bring the cable to the end of the crib and secure it with plastic ties.
5. Connect the sensor pad cable (if you are using one sensor) or the Y-cable (if you are using two sensors) to the Baby unit (rear side "sensor in").
6. Put the mattress back in the crib.



■ WARNINGS:

- Make sure to keep the cable out of baby's reach. Collect extra cable and tie it up with a provided plastic tie. Avoid leaving dangling wires.
- Make sure that no bedding or linen is interposed between the sensor pad and the mattress.
- BABYSENSE 6 cannot be used to monitor breathing of two babies placed in one crib.
- BABYSENSE 6 does NOT replace parental supervision. Do not leave your child unattended!

■ BABY UNIT

Placement of the Baby unit

Depending on intended use, the Baby unit can be placed in different ways:

- If BABYSENSE 6 is used in Sound and Movement (S+M) mode, the Baby unit should be placed near the crib and must be powered by both adaptor and batteries.
- If BABYSENSE 6 is used in the Sound only mode, the Baby unit can be placed within 3m of the crib and must be powered by both adaptor and batteries.
- If transmission to the Parents unit is not necessary (for example, if the baby is sleeping in the same room with the parents), there is no need to connect the Baby unit to the adaptor because electrical consumption is very low. The Baby unit can be mounted with the provided bracket on baby's crib or bassinet

1. Insert four AA 1.5v batteries into the battery compartment at the bottom of the unit (for backup in case of power failure).
2. Connect the power supply.

Optionally:

- Select the transmission mode **Movement, Sound, or S+M** (default setting).
- Press down the lamp cover to turn on the light.
- Adjust sensitivity (high/low) and tick level (high/low/off).



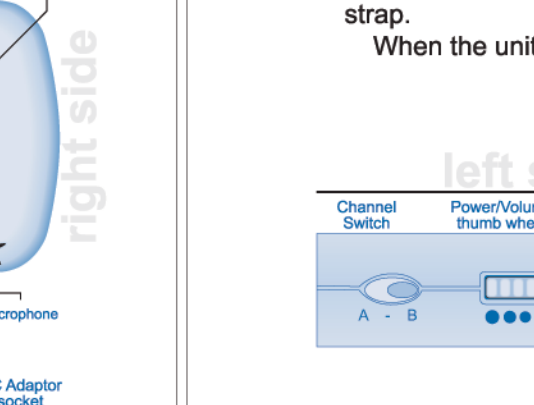
NOTES: (1) The Baby unit emits a low radio signal that does not present a safety hazard. (2) The Baby unit does not work without batteries or when the batteries are low. The Range/Battery indicator turns red if the batteries are low and need replacement. Standard alkaline batteries should last for at least 4 months.

■ PARENTS UNIT

1. Make sure that the same channel (A or B) is selected both in the Baby and the Parents units.

2. Connect the power supply and turn the unit on.
3. The unit can be placed, horizontally, or carried around strap.

When the unit is in stationery position, keep it plugged in.



NOTE: BABYSENSE 6 Parents unit includes preinstalled rechargeable batteries that need to be charged for 12 hours before first use.

■ OPERATION

BABYSENSE 6 is ready for operation as soon as the installation is completed.

Follow the simple rules below:

- Test the BABYSENSE 6 after installation and every time you start operating it after a period of non-use or in a new location (see Testing and Troubleshooting on p.6).
- Do not use crib mobiles or toys/accessories that produce vibrations when BABYSENSE 6 is in movement monitoring mode. Make sure there are no other sources of vibration around the room (fans, washers, etc.). Adjust the sensitivity level to exclude interference from irrelevant sources (see "To operate:" below).
- Do not use the BABYSENSE 6 in a moving vehicle.
- Turn the units off when not in use. During long periods of non-use, unplug the power supplies.

To operate:

- Press the On/Off button on the Baby unit. The movement indicator briefly flashes red, then turns to blinking green; the ticks start (if not turned off) to reflect baby's movements, including light breathing. The alarm will sound if movement stops.

NOTE: When you shut off the Baby unit, it takes 1-3 seconds until the green light turns off.

- Switch the Parents unit on by turning the thumbwheel and adjust the volume. The LED indicators flash briefly and a beep is heard. After the connection is established, you can see the flashing indicator lights (green and red), see the blinking movement indicator in the lid of the Parents unit, and hear a ticking sound (if enabled). The number of red lights indicates the intensity of the sound transmitted by the Baby unit. The blinking green range indicator turns to solid green if the Parents unit is moved beyond transmission range.

■ MAINTENANCE

Follow the guidelines below to make sure your BABYSENSE 6 functions problem-free:

- Keep all BABYSENSE 6 components away from sources of moisture and heat.
- Use only the manufacturer-provided adaptors.
- Avoid damaging the connection cables and power cords (stepping on, pinching, or leaving dangling cords is not recommended).
- Disconnect units before cleaning. Use a dry or slightly damp cloth to wipe the units and sensor pads. Do not use cleaning sprays.
- During periods of prolonged non-use disconnect and unplug the power adaptors.

NOTE: If the rechargeable battery needs replacement, use a standard 3.6V – 550 mA pack or contact the manufacturer.

■ TESTING and TROUBLESHOOTING

Perform the following steps to test the BABYSENSE 6 installation (refer to Troubleshooting below if you encounter any problems):

- Make sure that both Baby and Parents units are set to use the same channel (A or B).
- Set the mode of the Baby unit to **Sound**. Make sure that the sounds (speech or music) from the baby's room are clearly transmitted to the Parents unit. If the reception is not clear, switch to the other channel or reduce the distance between the two units.
- Set the Baby unit to **Movement**.
- Turn the Baby unit on when the crib is empty. Stand back away from the crib. The alarm should be set off within 20 seconds.
- Wave your hand over the mattress.(at a rate of about once a second). The movement indicator of the Baby unit should flash, reflecting your hand movement, and the units should emit ticking sounds.
- Set the mode of the Baby unit to **S+M** and repeat the test described above. Waving your hand over the mattress should activate the green flashing light in both Baby and Parents units and sounds from the environment of the Baby unit should be clearly transmitted to Parents unit.

NOTE: In **Sound** and **S+M** modes the units must be connected to their power supplies because of the higher electrical consumption required for signal transmission.

■ TROUBLESHOOTING CHART

The display window under the lid, indicates that the connection is established and shows the state of the battery and the temperature in baby's room.

NOTE: It takes a few seconds before the temperature in the baby's room is displayed on the Parents unit. The cover of the Parents unit should remain open at all times when in use because it contains the antenna.

- On the baby unit, select the "high" or "low" position of the sensitivity switch at the side of the Baby unit. When baby's room is quiet at night, you may want to set the switch on "low" in order to eliminate outside interference as for example from cars passing in the street.

WARNING: One BABYSENSE 6 unit can monitor only one child at a time. To monitor twins you need two units, and the babies must be in separate beds.

■ TROUBLESHOOTING CHART

Problem	Possible cause	Corrective action
False alarm	Sensor pad not placed on a firm flat surface.	Install the sensor pad according to instructions.
	Incorrect sensor installation (two sensors for a young baby who doesn't move about).	Remove the round sensor.
	Baby moved away from the sensor to the edge of the crib.	Install the second sensor pad if only one pad is being used. Adjust the position of the sensor pads. Increase the sensitivity level.
	The Baby unit is on but there is no baby in the crib.	Turn off the Baby unit.
	Sensor pad is not in full contact with the mattress or the cable is not properly connected.	Reconnect the cable and make sure that no bedding is interposed between the sensor pad and the mattress. Make sure that mattress is placed all the way down, touching the sensor.

While you wait, 20 seconds may seem to be a very long time.

Identify and isolate the environmental factors.

Maintain quite surroundings near the crib while testing the monitor.

Missing, misplaced, or faulty batteries.

Check that 4 AA 1.5V batteries, preferably alkaline, are correctly installed.

Batteries are low.

Replace all 4 batteries.

Parents unit is out of range.

Bring the Parents unit closer to the Baby unit.

Sensor detects vibrations form an irrelevant source, such as vibrations from the floor, appliances, or a strong draft.

Eliminate the source of disturbance. Avoid contact with the crib, place the crib away from strong air currents and next to a supporting wall. Decrease the sensitivity level.

NOTE: In **Sound** and **S+M** modes the units must be connected to their power supplies because of the higher electrical consumption required for signal transmission.

■ TROUBLESHOOTING CHART con.

Sound not transmitted

Parents unit was moved beyond the reception range.

Bring the Parents unit closer to the Baby unit.

Batteries are low in the Parents unit.

Plug in the Parents unit to recharge its batteries.

One of the units is OFF.

Make sure both units are ON.

Units are set to different channels or one of the units is not turned on.

Make sure both units are on and use the same channel.

Units are too far apart.

Bring the units closer together

Units are set to different channels.

Make sure both units use the same channel.

Parents unit is too close to other monitors, television sets, fluorescent lights, working motors, etc.

Turn or move the Parents unit away from the source of disturbance.

Units are too close to each other.

Increase the distance between the units. Reduce the volume at the Parents unit.

■ TECHNICAL DATA

Range of reception:

up to 150m

Transmission frequency:

40.665-40.695 MHz (EU.); 49.83-49.89 MHz (U.S.)

Adaptors:

output: AC/DC 9V, 200 mA; input: 220 VAC, 4W (EU.) 110 VAC, 4W (U.S.)

Alarm volume:

80 dB SPL at 1m

Illumination:

2mCD

■ WARNINGS: Batteries must be recycled or disposed of properly.

■ DISCLAIMERS and WARRANTY

- BABYSENSE 6 is not designed to prevent Sudden Infant Death Syndrome (SIDS) or to be used for any other medical purposes.
- BABYSENSE 6 is not a substitute for visual supervision of your baby at regular intervals.
- BABYSENSE 6 uses public frequencies to transmit signals from the Baby unit to the Parents unit; therefore, it may pick up signals from other sources and its signals may be picked up by other receivers. Make sure to turn the units off when not in use in order to protect your privacy.
- BABYSENSE 6 should be serviced only by qualified personnel.

