Intercom Baby Monitor with Lullaby

Model: BBM212/BBR212

USER MANUAL

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INTRODUCTION

Thank you for selecting the Oregon Scientific™ Intercom Baby Monitor with Lullaby (BBM212 – parent unit / BBR212 – baby unit).

The parent and baby units can interact with an additional parent unit (BBM212M). If you purchase an extra parent unit, 2 people can monitor the baby unit and 2 parent units can talk to each other. Contact your local retailer for further information.

NOTE Please keep this manual handy as you use your new product. It contains practical step-by-step instructions, as well as technical specifications and warnings you should know.

WARNINGS

- This product should only be operated by an adult and should not to be used as a toy for children.
- This product is not intended and should not be used as a replacement for responsible adult supervision; it only acts as a support for your child-caring purpose. Any type of liability beyond statutory warranty regulations or resulting from improper use of this product and/or use not in accordance with product warnings, precautions and instructions is excluded.
- Please ensure that this product and adapter cable are always kept out of the reach of your child and at least 1 meter away.
- Never place the baby unit inside the baby crib or near water (e.g., bathtub, wet basement, etc.).
- For indoor use only.

LIMITATION OF WARRANTY AND LIABILITY

Oregon Scientific provides warranty for products with manufacturing defects. A product which is: damaged, misused, abused, improperly used by user; used not in accordance with any product warnings, precautions or instructions mentioned in this Manual; used inconsistently with the technical or safety standards in force in the country where this product is used, or damaged due to leaky or defective batteries; used by children as a toy or placed less than 1 meter away from and within the reach of the child, is not subject to warranty/liability.

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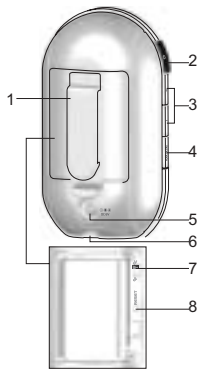
OVERVIEW

PARENT UNIT - FRONT VIEW

1. **Neck-string hole**
2. **Sound light indicators:** Show sound level received from the baby unit
3. **Speaker**
4. TALK : Allows parent to talk to baby unit
5. **TALK** : Allows 2 parent units to talk to each other
6. HI / LO : Enables / disables temperature high / low alarm

PARENT UNIT - BACK VIEW



1. **Belt clip**
2. ⏻ : Turns unit ON / OFF; activates backlight
3. **+ / - :** Increases / decreases volume; changes setting value
4. **MODE:** Sets the clock / voice activation sensitivity level; displays high and low temperature alarm
5. **AC adapter hole**
6. **Table stand**
7. **˚C / ˚F :** Selects temperature unit
8. **RESET :** Resets the unit

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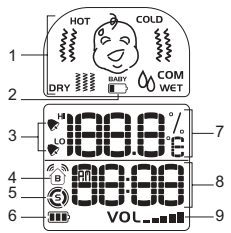
PARENT UNIT - LCD

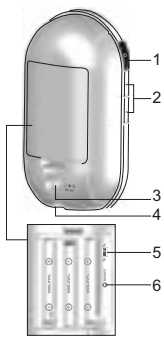
1. **Baby comfort display**
2. **Low battery icon for baby unit**
3. **High / low temperature alarm icon**
4. **Connection signal status icon**
5. **Voice activation sensitivity level**
6. **Battery status of parent unit**
7. **Temperature / humidity reading**
8. **Time**
9. **Volume level**



BABY UNIT - FRONT VIEW

1. **LED indicator:** Flashes during data transmission
2. Speaker
3. ♪ **:** Turns soothing sounds ON / OFF
4. SLEEP **:** Activates sleep function

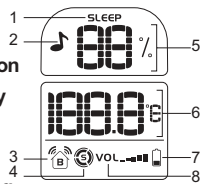
BABY UNIT - BACK VIEW



1. ⏻ **:** Turns unit ON / OFF; activates backlight
2. **+ / - :** Increases / decreases volume; changes setting value
3. **AC adapter hole**
4. **Table stand**
5. **˚C / ˚F :** Selects temperature unit
6. **RESET :** Resets the unit

BABY UNIT - LCD

1. **Sleep timer**
2. **Soothing sounds icon**
3. **Connection signal status icon**
4. **Voice activation sensitivity level**
5. **Indoor humidity reading**
6. **Indoor temperature reading**
7. **Low battery icon for baby unit**
8. **Volume level**

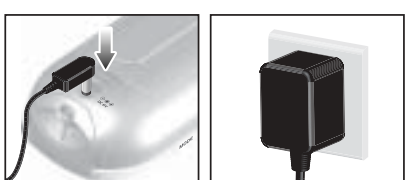


GETTING STARTED

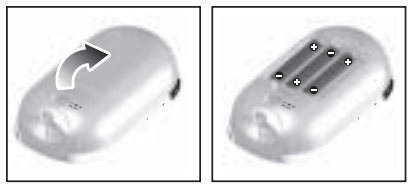
POWER

BABY UNIT

We recommend you use the adapter for continuous use. However, the unit can be powered by alkaline batteries.

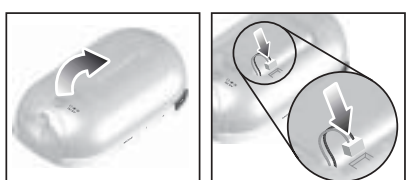


Insert batteries (3 x AAA / UM-4 1.5V), matching the polarity (+ and -).

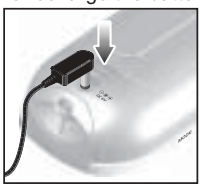


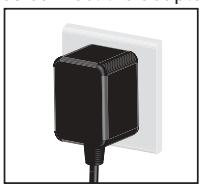
PARENT UNIT

The unit uses a rechargeable battery pack (3 x AAA / UM-4 Ni-MH). Insert the rechargeable battery by putting the piece at the end of the wire into the indentation at the bottom right of the battery compartment:



To recharge the batteries connect the adapter.





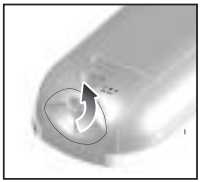
The battery icon will animate to show it is charging. appears with no animation when the battery is fully recharged. Charge the batteries for 12 hours before first use and press **RESET**. After the first charge, you only need to charge the unit until the battery icon shows it is full.

LOW BATTERY

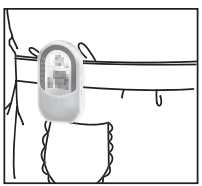
	Flashes on baby units LCD display when the baby unit battery is low
BABY	Flashes on parent units LCD display when the baby unit battery is low and sounds warning beeps every minute until the battery is dead
	Flashes on parent units LCD display when the parent unit battery is low and sounds warning beeps every minute until the battery is dead

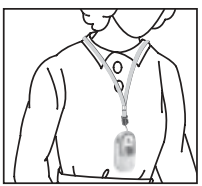
NOTE Press **RESET** after each battery change.

TABLE STAND - BABY AND PARENT UNITS



BELT CLIP / NECK STRAP - PARENT UNIT ONLY





TURN ON / OFF

To turn the unit ON or OFF, press and hold ⏻ .

SET UP

1. Insert batteries / adapters (as shown in the Power section).
2. Turn the baby unit on first and then the parent unit.
3. Place the 2 units close to each other. Press and hold ⏻ on both units until “BU” shows on the baby

unit and “PU1” shows on the parent unit. The units now recognize each other as family. (They automatically search for the best transmission signal.) However, if the lost-link alarm sounds, the connection has not been successful and you need to repeat the above process.

4. Position the units no more than 300 meters (984 feet) from each other.

NOTE If you purchase a second parent unit, you will need to turn the baby unit off and repeat the above procedure so that the new parent unit can synchronize with the existing baby unit. Once they are synchronized, press + or - on the parent unit to select “PU2”. If you do not select “PU2”, the 2 parent units will not be linked with each other.

For best results:

- Place the units away from electrical or mechanical objects, direct sunlight and moisture.
- Do not exceed the 300-meter (984-foot) transmission range of the units.
- Minimize obstructions such as doors, walls and furniture as this will decrease the transmission range between the 2 units.

You may need to experiment with various locations to get the best reception.

CONNECTION SIGNAL STATUS

The connection icon will show you the status of the signal between the units.

is the icon for 2-way connection between the baby and parent units.

is the icon for 3-way connection between the baby and 2 parent units.

LOST LINK	NORMAL SIGNAL (The graphics are animated when the 2 units are linked.)

LOST-LINK ALARM

When the parent unit cannot receive data from the baby unit (due to interference or out-of-range distance), an alarm will sound and will flash. The temperature/ humidity reading on the parent unit will display as “- - -”. The alarm sound will stop only when the connection between the units is linked again.

CHANGE VOLUME

To change the volume (0-5), press + / - . 0 = mute and 5 = high volume.

NOTE All alarm sounds are independent of the volume level.

NOTE You may hear a high pitched noise if the parent unit is placed too closely to the baby unit. The noise will stop sounding once the units are moved away from one another.

SOUND LIGHT INDICATORS

The sound light indicators on the parent unit can alert you visually to a baby's sound. The louder the sound received from the baby unit, the more lights will be on.

TEMPERATURE & HUMIDITY

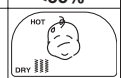
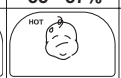
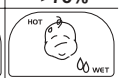
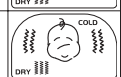
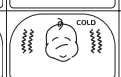
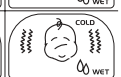
The baby unit measures the surrounding temperature and humidity, and displays it on both the parent and baby units' LCD screen. The parent unit automatically rotates the temperature and humidity readings every 5 seconds and the baby unit permanently displays them.

To change the temperature unit, slide the **˚C / ˚F** switch in the battery compartment to your desired setting.

If "- - -" is displayed on the baby unit, it cannot collect the temperature or humidity reading.

COMFORT INDICATOR

The unit calculates the comfort level from the temperature and humidity levels. The baby-face comfort indicator lets you know if your baby feels comfortable, hot or cold in the room.

TEMPERATURE	HUMIDITY		
	<55%	55 - 57%	>75%
>26˚C (79˚F)			
19-26˚C (66.2-78.8˚F)			
<19˚C (66.2˚F)			
NO SIGNAL			

HIGH / LOW TEMPERATURE ALARM

This function alerts you when the temperature becomes too hot or too cold for your child.

To set the high / low alarm:

1. Press **MODE** to toggle between high or low temperature alarm. HI / LO will flash when the high / low temperature alarm display is selected.

2. Press HI / LO to enable or disable alarm.
3. Press and hold **MODE** to change the setting. The default setting is **26˚C (78.8˚F)** for high and **19˚C (66.2˚F)** for low.
4. Use + / - to change the setting.
5. Press **MODE** to confirm.

When the temperature exceeds a high or low setting, the alarm will sound for 2 minutes and the backlight will turn on for 8 seconds.

To stop the alarm, press any key except ⏻ .

SET CLOCK / VOICE ACTIVATION SENSITIVITY

1. Press and hold **MODE** to enter the setting mode.
2. Press + or - to change the setting. To scroll through the numbers quickly, press and hold + or - .
3. Press **MODE** to confirm a setting and move on to the next one. The setting sequence is: 12 / 24 - hour format, hour, minute and voice activation sensitivity level (0-3).

NOTE The clock is now set for both parent units and the voice activation sensitivity is set for all units.

LEVEL		SENSITIVITY
0		Maximum
3		High
2		Medium
1		Low

NOTE The voice activation sensitivity feature increases / decreases the level of sound the parent unit emits. When set to 0, all sounds, regardless of level, can be heard on the parent unit.

SOOTHING SOUND / SLEEP TIMER

To select and play 1 of 3 soothing sounds:

- Press ♪ to turn on a song. Press ♪ repeatedly to select the song you want (Lullaby, Brook or White Noise).

To set the sleep timer:

- Press SLEEP repeatedly to set the unit to turn off after 15 - > 30- > 60- > or 0 minutes. When 0 minutes is selected the sleep timer will automatically turn off after a few seconds.

OR

- Press SLEEP , this will automatically activate the last setting you used.

NOTE Sleep timer can only be activated if soothing sound is turned on.

To turn the soothing sound OFF:

- Press and hold ♪ .

TALK FUNCTION

To talk to the baby unit, press and hold TALK . Release when you have finished talking.

To talk to another parent unit, press and hold **TALK** . Release when you have finished talking. An additional parent unit can be purchased separately.

BACKLIGHT

Press ⏻ to turn the backlight on for 8 secs.

RESET

To return either unit to the default settings, insert a blunt stylus into the **RESET** hole in the battery compartment.

PRECAUTIONS

This unit is engineered to give you years of satisfactory service if you handle it carefully. Here are a few precautions:

- Do not immerse the unit in water.
- Do not cover the ventilation holes. Make sure items that are nearby such as newspapers, tablecloths, curtains, blankets, beddings etc cannot accidentally cover the ventilation holes.
- Use a soft, slightly moistened cloth to clean the unit. Do not use abrasive or corrosive cleaning agents, as these may cause damage.
- Do not subject the product to excessive force, shock, dust, temperature changes, humidity and direct sunlight for extended periods.
- Do not tamper with the internal components. Doing so will terminate the product warranty and may cause damage. The unit contains no user-serviceable parts.
- Remove the batteries when storing the product for a long time. Do not mix new and old batteries.

NOTE The technical specifications for this product and the contents of the user guide are subject to change without notice.

CAUTION To reduce the risk of electric shock, do not expose this appliance to rain or moisture.

CAUTION Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type. Batteries are supplied by Rickbery, Ni-MH, 3.6V, 700mAh, 3 pcs AAA per pack with wire.

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SPECIFICATIONS

TYPE	DESCRIPTION
Clock time	12 or 24-hour format
High / low temp. alarm	2 minutes
RF frequency	2.4GHz
Transmission range	300 meters (984 feet) open area
Operating range	0˚C to 50˚C (32˚F to 122˚F)
Temp. unit	˚C / ˚F
Humidity operating range	25% to 95%
Soothing sounds	3
Sleep timer	15, 30, 60 minutes
POWER	
Baby unit	6VDC 200mA adapter / 3 x 1.5V UM-4 / AAA batteries
Parent unit	6VDC 200mA adapter / 3.6V Ni-MH rechargeable battery pack
MEASUREMENTS	
Dimensions – both units (H x W x D)	105 x 60 x 38 mm (4.1 x 2.4 x 1.5 inches)
Weight (without batteries)	Parent unit - 94g (3.3 ounces) Baby unit - 90g (3.17 ounces)

ABOUT OREGON SCIENTIFIC

Visit our website (www.oregonscientific.com) to learn more about Oregon Scientific products such as digital cameras; MP3 players; children's electronic learning products and games; projection clocks; health and fitness gear; weather stations; and digital and conference phones. The website also includes contact information for our Customer Care department in case you need to reach us, as well as frequently asked questions and customer downloads.

We hope you will find all the information you need on our website, however if you're in the US and would like to contact the Oregon Scientific Customer Care department directly, please visit:
www2.oregonscientific.com/service/support

OR
Call 1-800-853-8883.

For international inquiries, please visit:
www2.oregonscientific.com/about/international

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EU-DECLARATION OF CONFORMITY

Hereby, **Oregon Scientific**, declares that this Intercom Baby Monitor with Lullaby BBM212/BBR212 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the signed and dated Declaration of Conformity is available on request via our Oregon Scientific Customer Service.

CE

COUNTRIES RTTE APPROVED COMPLIED
All EU countries, Switzerland CH
and Norway N

FCC STATEMENT

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

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DECLARATION OF CONFORMITY

The following information is not to be used as contact for support or sales. Please call our customer service number (listed on our website at www.oregonscientific.com), or on the warranty card for this product) for all inquiries instead.

We

Name: Oregon Scientific, Inc.
Address: 19861 SW 95th Ave., Tualatin, Oregon 97062 USA
Telephone No.: 1-800-853-8883

declare that the product

Product No.: BBM212/BBR212
Product Name: Intercom Baby Monitor with Lullaby
Manufacturer: IDT Technology Limited
Address: Block C, 9/F, Kaiser Estate, Phase 1,41 Man Yue St., Hung Hom, Kowloon, Hong Kong

is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
1) This device may not cause harmful interference.
2) This device must accept any interference received, including interference that may cause undesired operation.

Oregon SCIENTIFIC

Intercom Baby Monitor with Lullaby
Model: BBM212 / BBR212

USER MANUAL

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