Projection baby monitor

Alecto® DBX-111

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1. INTRODUCTION
The Alecto DBX-111 is an alarm/monitor that picks up sounds in the baby room through the microphone in the transmitter and sends these wirelessly to the receiver where you can hear them.
This device is commonly used as a baby monitor for babies or young children or as a sound monitor for elderly people.

2. INTENDED USE
The Alecto DBX-111 should only be used as a sound monitor/detector for domestic applications. The DBX-111 cannot be used as a substitute for the physical presence of parents, baby sitters or caregivers.

3. DECLARATION OF CONFORMITY
The declaration of conformity is available on:
http://DOC.hesdo.com/DBX-111-DOC.pdf

4. PERMITTED USE
The DBX-111 works on a frequency of 1.8GHz. The use of this baby monitor is permitted in all countries of the EU without the need for a license.

5. ENVIRONMENT (discarding)
At the end of its lifespan, this product should not be discarded as normal domestic waste, but is must be taken to a collection point for the recycling of electric and electronic equipment.

Don't throw away exhausted batteries, take them to your local depot for small chemical waste.
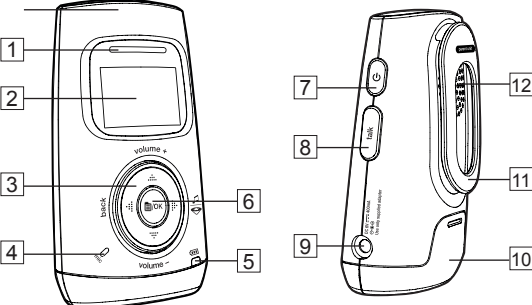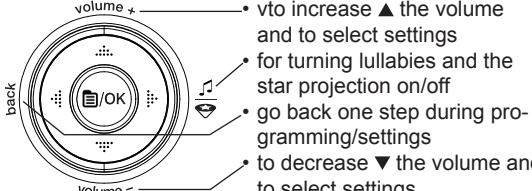
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5. OVERVIEW
Parent unit

1. Sound indicators, visual display if and how loud the baby is crying
2. Display
3. Function button, see below
4. Built-in microphone
5. Battery indicator
6. Menu / OK button, press to open the setup menu, press again to confirm selected options
7. Power button, press and hold for at least 2 seconds to turn the parent unit on or off
8. TALK button, to talk back to the baby
9. Power adaptor input
10. Battery cover
11. Belt clip
12. Built-in speaker

- vto increase ▲ the volume and to select settings
- for turning lullabies and the star projection on/off
- go back one step during pro-gramming/settings
- to decrease ▼ the volume and to select settings

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Baby unit

1. Star projector
2. Built-in microphone
3. Function button, see below
4. Magnetic foot to properly aim the star projector
5. For turning lullabies and the star projection on/off
6. Built-in speaker
7. Power adaptor input

- to increase the volume
- for turning lullabies and the star projection on/off
- power button, press and hold for at least 2 seconds to turn the baby unit on or off
- call button to parent unit
- to decrease the volume

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6. INSTALLATION
Parent unit

1. Slide the battery cover down and off the parent unit.
2. Insert the battery pack into the battery compartment.
3. Insert the plug of the battery pack into the connector of the parent unit, paying attention to the shape of the plug and without forcing the connec-tion; the red wire of the bat-tery pack is the positive wire.
4. Close the battery compartment by sliding the battery cover back onto the parent unit.
5. Connect the adapter to the parent unit with the small plug and insert the adapter into a wall socket. The battery pack is now being charged. Leave the adaptor con-nected for at least

24 hours to fully charge the battery pack, even if the dis-play indicates the batteries are already fully charged.

Baby unit

1. Connect the adaptor to the baby unit with the wider plug and insert the adaptor into a wall socket.

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The baby monitor will switch on and is ready for use as soon as the adaptors are connected to the unit and the wall socket.

Place the baby unit onto the magnetic foot and aim it un-til the baby can clearly see the star projection. For more information, see user instructions below.

⚠️ Only use the supplied power adaptors. Using different adaptors can cause damage to the electronics or even fire.

 Maintain a minimum distance of 1.5 to 2 meters between the baby and the baby unit and ensure the baby cannot reach the adaptor cable.

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7. OPERATION
Switching on/off:
Press and hold the ⏻ button (parent unit) or the button 'Power on' (baby unit) for 2 seconds to turn the con-cerned unit on or off.

Volume adjustment:
Use the Volume + and Volume – buttons to adjust the volume. For the parent unit, the volume concerns the sounds of the baby, while for the baby unit it concerns the lullabies and talk-back volume.
- While setting the volume at the parent unit, the volume level is indicated by the display (level 1 ~ level 5 and 'sound off') and by the indicators above the display.

When the volume at the parent unit is set to 0:
The 🔇 icon will appear in the display when the volume at the parent unit is set to 0.
The sound indicators (see below) will still indicate when and how loud the baby is crying.
Optionally, you can set the parent unit to emit a notifica-tion tone or to briefly vibrate when the baby is making sounds while the volume at the parent unit is turned off. For this, see chapter 8 'Programming and settings', item 'Sound alarm' or 'Vibration function'.
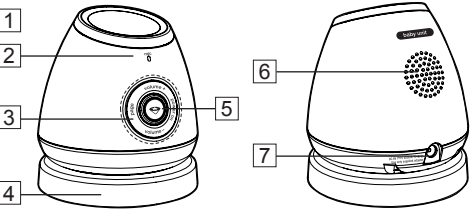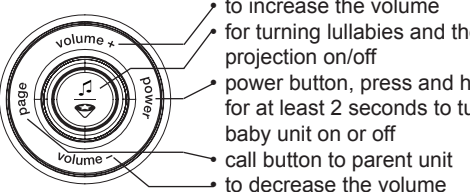
Sound indicators:
A total of 5 sound indicators are located above the display of the parent unit. These indicators will light up when the baby unit is transmitting sounds. The louder the sound picked up by the baby unit, the more indicators will light up on the parent unit.

VOX: (Listening continuously or only when the baby is crying)
Upon leaving the factory, the baby monitor is set to transmit all sounds from the baby room to the parent unit, including sounds when the baby is sleeping quietly.
You can set the baby unit to only transmit sounds when the baby is crying. For this, see chapter 8 'Programming and settings'.

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Lullabies and star projection:
Use the 🎵/⏻ button on the parent unit or baby unit to turn the lullabies and start projection on or off.
1x press: lullabies on   star projection on
2x press: lullabies on   star projection off
3x press: lullabies off   star projection on
4x press: lullabies off   star projection off
- The volume of the lullabies can be adjusted with the 'vol-ume +' and 'volume -' buttons on the baby unit.
- The DBX-111 will continuously play 5 songs one after the other for 15 minutes. Playback will stopped automatically after 15 minutes.
- The 🎵 icon will appear in the display of the parent unit when the star projection is switched on. When the lullabies are being played, you'll hear them through the speaker of the parent unit.
- Because of the shape of the magnetic foot, you can aim the baby unit making sure the baby can clearly see the star projection. It's best to try this in the evening, in a dark baby room.
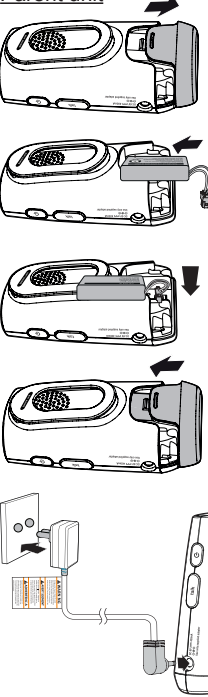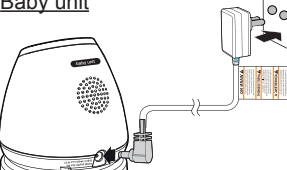- The star projector will turn off automatically after 15 min-utes.

Temperature display:
When in stand-by, the display of the parent unit will indicate the temperature of the baby room.
- You can set the temperature display to degrees Celsius or degrees Fahrenheit. For this, see chapter 8 'Programming and settings'.
- By default, an upper limit (35°C) and lower limit (14°C) is set. As soon as these limits are exceeded, the warning [TOO WARM] or [TOO COLD] will be shown. You can set the unit to also sound a notification tone. For setting the limits and turning the notification tone on or off, see chap-ter 8 'Programming and settings'.
- The temperature display is only an indication, with a pos-sible deviation of ±1.5°C at 25°C.

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Talk-back function:
Press the Talk button on the parent unit to talk back to the baby unit; release this button to start listening again.
- Use the 'volume +' and 'volume -' buttons on the baby unit to set the volume for the talk-back function.
- In case the volume at the parent unit is turned off, the volume is automatically set to level 3 after pressing the TALK button.

Range:
In ideal circumstances, the DBX-111 has a transmission range of up to 50 meters indoors and up to 300 meters outdoors.
See chapter 8 'Programming and settings', item 'Range' when the baby unit and parent unit are close together and the full range is not required.

ECO / FULL ECO:
When the baby is sleeping, the baby unit will also be set to sleep mode after 10 seconds (except when the sensi-tivity level is set to 5, meaning the baby unit is continu-ously 'on').
In the background, only a minimum of power is required to maintain the connection between the baby unit and parent unit to e.g. check the connection. This is the ECO function of this baby monitor.
You can also use the setup menu on the parent unit to set the baby monitor to FULL ECO. When the baby is sleeping, the baby unit will first enter the sleep mode and the transmitter will then fully stop after approximately one minute.

The FULL ECO mode is indicated on the display by the ⚡ symbol. When this function is activated, this icon will remain lit; when the FULL ECO mode is actually active, this symbol will start flashing.
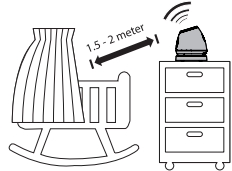
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ℹ️ Pay attention; when the FULL ECO mode is active, you can no longer check the connection.
This means that when the parent unit gets out of range from the baby unit or when the baby unit turns off be-cause e.g. a power outage, there will be NO WARNING at the parent unit.
See chapter 8 'Programming and settings', item 'FULL ECO' for setting this function.

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8. PROGRAMMING AND SETTINGS

You can set or adjust various settings and functions via the menu function of the parent unit.
• Press the 🗐 button to open the menu.
• Use the ▲ and ▼ buttons to scroll the menu.
• Press the **OK** button to confirm or select an option.
• Press the **Back** button to go back one step in the menu.
• Briefly press the ⏻ button to directly leave the menu.

Menu language setup:
The various warnings and settings can be set to different languages. You can choose from the following options: Dutch, English, German, French, Italian, Spanish and Portuguese.
1. Press the 🗐 button to open the menu
2. use ▲ and ▼ to scroll to the option [LANGUAGE]
3. press **OK**
4. use ▲ and ▼ to select the desired language
5. press the **OK** button to confirm the selected option
6. briefly press ⏻ to leave the menu

Listening continuously or only when the baby is crying:
By default, the baby unit transmits all sounds from the baby room. You can use the menu to set the unit to only transmit sounds when the baby is crying.
1. Press the 🗐 button to open the menu
2. use ▲ and ▼ to scroll to the option [SENSITIVITY]
3. press **OK**
4. use ▲ and ▼ to select the desired sensitivity at which the baby unit must start transmitting sounds
   • Volume 1: baby must cry very loud
   • Volume 2: baby must cry loudly
   • Volume 3: baby must cry normally
   • Volume 4: baby only has to cry softly
   • Volume 5: baby unit transmits ALL sounds
5. press the **OK** button to confirm the selected sensitivity
6. briefly press ⏻ to leave the menu

Temperature display:
By default, the temperature in degrees Celsius and no minimum or maximum value set that should sound an alarm tone.
You can adjust this as follows.

Display in degrees Celsius or Fahrenheit:
1. Press the 🗐 button to open the menu
2. use ▲ and ▼ to scroll to the option [TEMPERATURE]
3. press **OK**
4. use ▲ and ▼ to scroll to the option [SCALE]
5. press **OK**
   • when Celsius is currently selected, the display will ask: 'FAHRENHEIT?'
   • when Fahrenheit is currently selected, the display will ask: 'CELSIUS?'
6. press the **OK** button to confirm this question or briefly press the **Back** button to keep the current setting
7. briefly press ⏻ to leave the menu

Changing the minimum or maximum temperature:
1. Press the 🗐 button to open the menu
2. use ▲ and ▼ to scroll to the option [TEMPERATURE]
3. press **OK**
4. use ▲ and ▼ to scroll to the option [MINIMUM] or [MAXIMUM]
5. press **OK**
6. use ▲ and ▼ to set the desired minimum or maximum temperature
7. press the **OK** button to confirm this setting
8. briefly press ⏻ to leave the menu

Sound alarm:
When the volume at the parent unit is set to 0 (sound off), the parent unit can emit notification tones when the baby is crying loudly
1. Press the 🗐 button to open the menu
2. use ▲ and ▼ to scroll to the option [SOUND ALARM]
3. press **OK**
   • when the alarm is currently turned on, the display will ask: 'OFF?'
   • when the alarm is currently turned off, the display will ask: 'ON?'
4. press the **OK** button to confirm this question or briefly press the **Back** button to keep the current setting
5. briefly press ⏻ to leave the menu

The (◉) icon will appear in the display when the sound alarm is turned on.

Vibration function:
When the volume at the parent unit is set to 0 (sound off), the parent unit can start vibrating to indicate that the baby is crying loudly
1. Press the 🗐 button to open the menu
2. use ▲ and ▼ to scroll to the option [VIBRATION FUNCTION]
3. press **OK**
   • when the vibration function is currently turned on, the display will ask: 'OFF?'
   • when the vibration function is currently turned off, the display will ask: 'ON?'
4. press the **OK** button to confirm this question or briefly press the **Back** button to keep the current setting
5. briefly press ⏻ to leave the menu
The 🔔 icon will appear in the display when the vibration function is turned on.

Range:
When the transmitter and receiver are close together, you can reduce the transmitting power of the baby unit as follows:
1. Press the 🗐 button to open the menu
2. use ▲ and ▼ to scroll to the option [RANGE]
3. press **OK**
4. use ▲ and ▼ to choose from the following settings:
   • [MAXIMUM] for the maximum range
   • [LIMITED] for a limited range
   • [ONE ROOM] for an even more limited range
   • [DESK] for the lowest possible range
5. press the **OK** button to confirm the selected range
6. briefly press ⏻ to leave the menu
It will take some trial and error to find the ideal range setting.
For technical users, the related transmitting power is as follows:
Maximum = 23dBm
Limited = 19dBm
One room = 15,7dBm
Desk = 10dBm

FULL ECO:
When the baby is sleeping, the transmitter will be automatically set to sleep mode. In this situation, it's also possible to switch the transmitter off completely.
1. Press the 🗐 button to open the menu
2. use ▲ and ▼ to scroll to the option [ECO]
3. press **OK**
   • when FULL ECO is currently turned on, the display will ask: 'OFF?'
   • when FULL ECO is currently turned off, the display will ask: 'ON?'
4. press the **OK** button to confirm this question or briefly press the **Back** button to keep the current setting
5. briefly press ⏻ to leave the menu
When FULL ECO is switched on, the 🍃 icon will appear in the display.

Reset:
You can reset the standard factory settings as follows:
1. Press the 🗐 button to open the menu
2. use ▲ and ▼ to scroll to the option [RESET]
3. press **OK**
4. press **OK** again to confirm
5. briefly press ⏻ to leave the menu

The following factory settings will now be reset:
• menu language: Dutch
• parent unit volume: volume 3
• lullabies: off
• star projection: off
• sensitivity: level 5 (always on)
• temperature display: degrees Celsius,
• sound alarm: off
• vibration function: off
• range: maximum
• FULL ECO: off

9 TIPS AND WARNINGS

System expansion:
The technology of the DBX-111 allows for simultaneous and interference-free use of multiple complete baby monitor sets (baby unit and parent unit next to each other, so you can monitor several baby rooms at once; each set of parent unit and baby unit is provided with its own unique code, making it impossible that the DBX-111 picks up signals from other baby monitors or that other baby monitors pick up sounds from the DBX-111.
It's not possible to expand the DBX-111 with individual baby units or individual parent units.

General:
• Carefully read the user's manual and follow all instructions.
• Never place or use the baby unit or parent unit in a wet or moist space or environment.
• Ensure adequate heat dissipation; never cover the parent unit, the baby unit and/or the power adaptors, and never place them directly next to a heat source.
• Only use the supplied adaptor(s); connecting a different type of adaptor could damage the electronics.
• Prevent any damage to the adaptor cables and make sure nobody can trip or fall because of them.
• Never disassemble the parent unit, baby unit and/or power adaptors; only qualified personnel is authorised to do so.

Installation:
• Only disconnect or connect the power adaptor from/to the baby unit or parent unit when the power adaptor is disconnected from the wall socket.
• Never install the DBX-111 during a thunderstorm.
• Never touch non-insulated adaptor wires unless the adaptors are disconnected from the wall socket.

Power supply
• Baby-unit:
   The baby-unit is powered by the supplied power adaptor. The parent unit is provided with a built-in battery for mobile use.

• Parent unit:
   The parent unit is powered by the rechargeable Nickel-Metal-Hydride battery; the battery can power the parent unit for up to 8 or 9 hours.
   De battery status is indicated in the top right corner of the display:
   🔋 : battery pack is full
   🔋 : battery pack is 2/3 full
   🔋 : battery pack is 1/3 full, recharging is recommended
   🔋 : battery pack is empty and the parent unit will switch off
   🔋→🔋→🔋→🔋 : battery pack is being charged
   The indicator 🔋 on the front of the parent unit will remain lit when the adaptor is connected and the battery is being charged or maintained.
   This light will start flashing approximately 2 hours before the battery pack becomes exhausted. The unit will also emit notification tones, while the text [BATT WEAK] appears in the display. Please connect the adaptor immediately.
   The adaptor can fully charge an empty battery pack in approximately 6 hours, regardless of the parent unit being switched on or off.

Range:
• This baby intercom has a range of 300 meters in an open field and up to 50 meters indoors; this range depends on local conditions. When the units get out of range from each other, 📶 [NO CONTACT] will appear in the display while the unit emits a tone every minute.

Reception indication/out-of-range notification:
• In the upper left corner of the display the strength is indicated with which the signal from the baby unit is being received:
   📶 : very good reception
   📶 : good reception
   📶 : limited reception
• As soon as the parent unit is no longer receiving the signal from the baby unit (out of range or the baby unit is turned off), 📶 will start flashing and [NO CONTACT] will appear in the display while the unit emits a tone every minute.

Interference-free:
• This baby display monitor is digitally coded. This means you will never receive signals from other devices, nor can the signal from your baby unit be received by e.g. your neighbors.
• In case the baby unit or parent unit is placed in or in the close vicinity of electromagnetic fields, the signal can be slightly affected. If this happens, try a different location for the baby unit or parent unit or move, if possible, the source of the interference.

Eavesdropping/wiretapping:
• Eavesdropping/wiretapping of the signals from this baby video monitor is nearly impossible. Not only must one be within range of the baby video monitor, one also needs some very costly equipment.

Maintenance:
• Only clean the baby monitor with a moist cloth; never use chemical cleaners. Before any cleaning, you must disconnect the adapters. Before any cleaning, you must disconnect the adaptors.

In case of malfunction (no connection / no sound):
   – are the parent unit and baby unit switched on? (adaptor connected, battery pack full?)
   – is the parent unit within range of the baby unit?
   – is the baby unit switched off because no sound is being detected? (VOX)
   – is the volume at the parent unit set to 0 (off)?
• If all of the above is in order, remove the adaptors from the wall sockets, take the rechargeable battery out of the parent unit, wait at least one minute and then reconnect everything. Now, switch the parent unit and baby unit back on.
• If you still have no connection or sound, please contact the customer service of Alecto via the internet www.alecto.nl

10 SPECIFICATIONS

Range:	up to 50 meters indoors
	up to 300 meters outdoors
Parent unit power:	via power adaptor:
	VTPL - VT04EUK06045
	Input: 100- 240VAC 50/60Hz 150mA
	Output: 6VDC 450mA ▬ ⎓ ＋
	via rechargeable battery pack:
	CORUN - Ni-MH AAA400*2
	GPI - VTRHC043C041
	2.4V, 400mAH, NiMH, AAA size
Baby unit power:	via power adaptor
	VTPL - VT04EUK06045
	Input: 100- 240VAC 50/60Hz 150mA
	Output: 6VDC 450mA
Frequency:	1880-1900 Mhz / 5 channels
RF Power:	< 24 dBm
Display	4.3" TFT LCD display
Recharging time parent unit battery: ~ 6 hours *	
Life-span parent unit battery: 8~9 hours *	

*: the times mentioned above are estimates and depend on use and settings and on the condition of the battery.

11 WARRANTY

Service ✎ Help 🧑? 🌐 HSC ✉ **WWW.ALECTO.NL**
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Alecto

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