USER'S MANUAL

Alecto®

DVM-250

INTRODUCTION

- The Alecto DVM-250 is a wireless baby monitor observation system, suitable for private use indoors.
- You can either watch and listen continuously or you can have the baby monitor switch on.
- The Alecto DVM-250 meets all essential requirements and other provisions as described in the European Directive 1999/5/EC.
- The declaration of conformity is available on the website www.alecto.nl

  www.alecto.nl
- Use of this equipment is allowed in all countries of the EU. In France, Italy, Russia and Ukraine, only indoor use is allowed.

ATTENTION
Before you start using the set, please remove any protective foil from the parent unit and baby unit.

About this user's manual:

⚠ This symbol represents a warning. To ensure safe use, always adhere to the instructions described in this documentation.

📖 This symbol is followed by a user's tip.

Always check the Alecto website for the most recent version of this user's manual.

INSTALLATION

BABY UNIT: (CAMERA)
Power:
1. Connect one of the supplied 5V power adaptors to the 5V DC input of the baby unit.
2. Insert the adapter into a 230V wall socket.

⚠ Only use the supplied power adaptor.

Make sure that the baby can't touch the wire of the baby unit. Place the baby unit at least 1-1.5 meters away from the baby and bundle excess cable lengths using tape or cable-ties specifically designed for this purpose.

1-1.5m

Table model or wall model:
You may place the baby unit loose on a table, cabinet or desk or suspend it from a wall.

For wall mounting:
Drill two holes in the wall, next to each other and at a distance from 2.1cm, then insert plugs and screws. Leave the head of the screw protrude for several millimeters.
Suspend the baby unit by sliding the recesses in the camera support over the screws in the wall and then pressing the baby unit somewhat downward. Finally, neatly hide the adaptor cable using cable-ties.

Tips for placement:
- For use as a baby monitor: place the baby unit at least 1-1.5 meters away from your baby and make sure to safely tuck away the adapter cable.
- The temperature protrudes from the rear of the baby unit. Make sure this sensor hangs freely, unexposed to direct sunlight and avoid heat from e.g. light bulbs.

- For optimal range, it is advisable to set up the baby unit as high as possible, free from large metal surfaces.

⚠ The baby unit is not waterproof and therefore suit-able for indoor use only.

PARENT UNIT: (MONITOR)
Battery:
1. Open the battery compartment by sliding and clicking off the battery cover at the rear.
2. Connect the battery plug in the battery compartment according to the figure below and install the battery.
3. Click the battery cover back onto the parent unit. Never connect the plug or install the battery by force. Only install the supplied rechargeable Li-ion battery (3.7V, 1440mAh).

Power adapter:
1. Connect the other 5V power adapter on the left side of the parent unit.
2. Insert the adapter into a 230V wall socket.
The battery starts charging as soon as you connect the power adaptor. When using it for the first time, please charge the battery for at least 15 hours, even when the indicator shows a fully charged battery.

⚠ Only use the supplied power adaptor.

General:
Fold out the support at the rear to place the parent unit onto a table or cabinet.

Keep the antenna of the parent unit in an upright position for optimal range.

⚠ The parent unit is not water-proof, hence is only suitable for indoor use.

FUNCTION OVERVIEW

PARENT UNIT:

1. Battery compartment (rear)
2. Power adaptor input
3. VOX on/off button
4. ENTER button for menu settings
5. MENU button
6. Talk-back button
7. Power on/off button
8. Built-in microphone
9. Power indicator:

   parent unit switched on, power adaptor not connected:
   - green light during normal use
   - red light when the battery capacity is low
   - flashing red light when the parent unit may switch off at any moment due to a low battery capacity

   parent unit switched on and power adaptor connected:
   - flashing green light while the battery is being charged
   - green light remains lit when the battery is fully charged

   parent unit switched off and power adaptor connected:
   - orange light while the battery is being charged
   - green light remains lit when the battery is fully charged

10. VOX indicator, illuminates when the VOX function is enabled
11. Antenna
12. Sound indicators, flashing when the baby is crying
13. Volume +/- buttons
14-17. ▲, ▼, ◄ and ► buttons
18. Built-in speaker (rear)
19. Foldable table support (rear)

BABY UNIT:

20. Antenna
21. Light sensor, for enabling and disabling the night view LED's
22. Camera lens
23. This area contains the infra-red LED's for the night view lighting (not visible to the naked eye)
24. Built-in microphone
25. Coupling ball, to properly and accurately orientate the baby unit
26. Built-in speaker
27. Temperature sensor
28. Power adaptor input
29. 'PAIRING' button, to register (or re-register) the baby unit on the parent unit
30. On/off switch with indicator

SYMBOLS IN THE DISPLAY

While using the parent unit, the following symbols may appear in the display:

In the upper left corner, the signal strength is indicated:
📶 strong reception
📶 good reception
📶 average reception
📶 and 📶 poor reception
📶 no reception

🎤 When talking to the baby, the talk-back symbol on the right side of the antenna symbol will illuminate.

CAM1 In the upper right corner, the camera you're currently watching is indicated. When multiple cameras are connected to the parent unit and you've enabled the scan function (to automatically switch to the next camera screen every 10 seconds), also the 🔄 symbol will appear.

Next to the camera indication, the battery capacity is shown:
🔋 battery full
🔋 battery 3/4 full
🔋 battery 2/4 full
🔋 battery 1/4 full
🔋 the outline is red and flashing: the battery is nearly exhausted and the parent unit may switch off at any moment
🔋 no battery inserted or the battery is not connected. While charging, the battery symbol keeps scrolling until the battery is fully charged.

While adjusting the volume, the current volume level is shown in the right side of the display. When the volume level is set to 0 (sound off), the 'no sound' icon will appear here.

When the volume is turned off, the 🔇 symbol appears in the upper part of the display to remind you that you've switched off the sound.
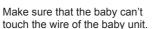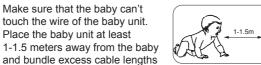
☀ 🎵 😊 🌡 🔍 ⚙ Press the ☰ button to open the menu. You'll find a description of these functions further in this manual.

🌡 illuminates when the temperature alert is enabled. This symbol starts flashing when the set limit is exceeded.

USE

📖 *The functions 'Brightness', 'Lullabies', 'Multi-camera', 'Zoom', Temperature display and alert' and 'VOX' (screen and sound switch off automatically when the baby is sleeping) are described on the other side of this user's manual underneath the header 'MENU-OPERATED FUNCTIONS'.*
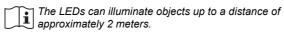
BABY UNIT:

Switching on/off:
Slide the ON/OFF switch at the rear to the ON position to turn on and slide to the OFF position to turn off. The green light underneath the ON/OFF switch illuminates several seconds after you've switched on the unit.

Automatic night vision:
The baby unit is provided with built-in infra-red LEDs; these LEDs will switch on automatically when the baby room turns dark and will switch of again when it becomes light.
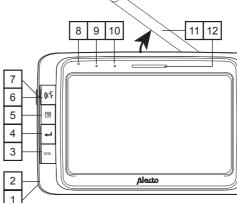
📖 *The LEDs can illuminate objects up to a distance of approximately 2 meters.*

📖 *When it's dark, that is when the night vision LEDs are switched on, the images on the parent unit will be displayed in black and white.*

📖 *Attention: infra-red light cannot be perceived by the human eye; that means you cannot tell whether the infra-red LEDs are switched on with the naked eye.*

PARENT UNIT:

Switching on/off:
⏻ press and hold for 2 seconds to turn off

Volume:
Use the + and - buttons to set the loudness of the sounds from the baby room that you hear through the speaker of the parent unit.
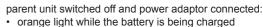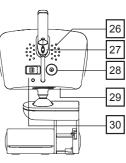While adjusting, the volume level will be indicated on the display.

Talk-back function:
When the screen is enabled, press the 🎤 button to talk to your baby. Press and hold the button for as long as you're talking and release the button to listen.

Sound indicators:
In the middle of the upper part of the display you'll find 4 sound indicators indicating whether the baby is crying by flashing. This allows you to watch over your baby when the sound is set to a low level or is turned off, or when the baby monitor is placed a bit further away in the room.

Automatic on/off function: (VOX)
When the baby is sleeping quietly or when the baby unit is not picking up any sounds, you may have the display and sound of the parent unit switch off automatically and back on again as soon as the baby starts crying.

The sensitivity of the automatic on/off function can be adjusted (see chapter MENU further in this user's manual). Use the VOX push-button to enable or disable this function; the VOX indicator shows whether this function is enabled or disabled:

VOX indicator

light off = VOX function off (the images and sound are transmitted continuously)

light on = VOX function on (display and sound off while the baby is sleeping)

To check in the meantime:
By briefly pressing any button you may enable the display and sound again for a short time to watch and listen to the baby. After several seconds, the display and sound are turned off again.

Battery weak (empty) notification:
When in use, the battery symbol in the upper right corner of the display shows the battery capacity.

As soon as the battery capacity falls below 25%, the red power LED will illuminate to inform you of this. It's now recommended to connect the adaptor to recharge the battery.

When the battery capacity further decreases to nearly empty, this red battery symbol starts flashing. Also the power indicator starts flashing in red and every 30 seconds several alert tones are emitted for 10 to 15 minutes long. Now immediately connect the adaptor otherwise the parent unit will switch itself off within this time period.

MENU-OPERATED FUNCTIONS

Briefly press the ▤ button to open the menu. Now use the direction buttons ◀ or ▶ to select one of the following functions:

☼ Brightness:
Use ▲ and ▼ to select the desired brightness and press ▤ to save your setting and leave the menu.

🔲 *Keep in mind that more power is used at a high intensity level compared to a low display intensity level. We recommend a lower intensity level for mobile use, i.e. when using the unit on battery power. You may set a higher intensity level when using the adaptor.*

♫ Lullabies:
Use ▲ and ▼ to select the desired lullaby (choose 1-4) or select the ocean sounds (5). When selecting ⟳ all 4 lullabies are played in order.
Playback starts immediately and stops automatically after 15 minutes or you may select the option OFF to stop playback beforehand. Press ▤ to save your setting and leave the menu.

🔲 *Keep in mind that the sound of the lullaby is returned to the parent unit via the microphone of the baby unit. In this case, you may want to set the sound of the parent unit to level 0 (= sound off).*

◉ Multi-camera:
Introduction:
You may register up to a maximum of 4 baby units (cameras) on the DVM-250 parent. When multiple baby units are registered on the parent unit, you can manually switch to another baby unit or have the images of all registered baby units automatically shown one after the other.
Separate cameras are available via the Alecto service department via www.alectobaby.com (order number 'DVM-2501').

To register new cameras:
1. Connect the power adaptor to the camera and slide the ON/OFF switch at the rear to the ON position.
2. Open the menu on the parent unit by pressing the ▤ button and use the ◀ and ▶ buttons to select the option ◉.
3. Use the ▲ and ▼ buttons to select the option ⊕ and press the ↵ button.
4. Use the ▲ and ▼ buttons to select the next available free camera number and press the ↵ button.
5. Press and hold the PAIRING button at the bottom of the new camera until the green ON/OFF indicator starts flashing after several seconds to indicate that the camera is now searching for the monitor.
6. After several seconds the images of the new camera will appear in the display of the parent unit.
Repeat these instructions if the registration process doesn't succeed the first time.

To select a camera:
1. Open the menu on the parent unit by pressing the ▤ button and use the ◀ and ▶ buttons to select the option ◉.
2. Use the ▲ and ▼ buttons to select the option 📷 and press the ↵ button.
3. Use the ▲ and ▼ to select the desired camera number and press the ↵ button.
4. After several seconds the parent unit will show the images of the selected camera.
In the right upper corner of the display the number is shown of the camera that is currently viewed.

Camera SCAN:
At the above instruction 2, select the option 📷 and press the ↵ button to enable the SCAN mode. The images and sound of all registered cameras are now played via the parent unit, in order and 10 seconds for each camera.

🔲 *Attention: The unit does NOT automatically switch to a camera where sound is being detected.*

To remove a camera:
Cameras that are defect or no longer being used must be removed from the system of the parent unit as follows:
1. Open the menu on the parent unit by pressing the ▤ button and use the ◀ and ▶ buttons to select the option ◉.
2. Use the ▲ and ▼ buttons to select the option 🗑 and press the ↵ button.
3. Use the ▲ and ▼ select the number of the camera that must be removed and press the ↵ button.
4. The parent unit will emit a tone and the selected camera is de-registered.

🔍 Zoom:
This menu allows you to enlarge the display (move somewhat closer).
Select 🔍 for an enlarged view and select 🔍 for a normal view.
When the zoom function is enabled, the ⊕ icon appears in the upper part of the display.
Press ▤ to save your setting and leave the menu.

🌡 Temperature display and alert:
In the upper right corner of the parent unit, the temperature is shown of the room where the baby unit is located.

Display in °C or in °F:
Choose the option °C to set the temperature display to degrees Celsius or select the option °F to have the temperature shown in degrees Fahrenheit. Select the desired option and press the ↵ to save your setting.

Display calibration (correcting):
Choose the option ⊕ to correct the temperature display: select this option, press the ↵ button and use the ▲ and ▼ buttons to set the correct temperature of the baby room. Press the ↵ button to save your setting and press the ▤ button to leave the menu.

To check the alert values:
Choose the options HIGH and LOW to set the maximum and minimum temperature for the baby room:
Select HIGH or LOW, press the ↵ button and use the ▲ and ▼ buttons to set the maximum or minimum value; press the ↵ button (or the ◀ button) to save your setting and press the ▤ button to leave the menu.

Alarm on/off:
Choose the options ON and OFF to enable or disable the temperature alert. Select the desired option, press the ↵ button to save your setting and press the ▤ button to leave the menu. When the alarm is enabled, the 🌡 symbol illuminates in the upper part of the screen.

How the temperature alert functions:
As soon as the minimum or maximum limit is exceeded, the temperature display and the 🌡 symbol start flashing and every 10 seconds several warning beep tones are emitted. As soon as the temperature returns to within the set limits, the alert tones will stop. You may also disable the temperature alert to stop the beep tones beforehand.

🔊 VOX:
This menu allows you to set how loud the baby must be crying before the display and sound must switch on when you've enabled the VOX function of the baby monitor:
• option 🔊 (upper option in the screen):
  high sensitivity, to enable when just weak sounds are detected
• option 🔊 (middle option in the screen):
  average sensitivity, to enable when crying normally
• option 🔊 (lower option in the screen):
  low sensitivity, to enable only when crying loudly
Press ▤ to save your setting and leave the menu.

🔲 *When the display and sound turn off during use while the baby is still making sounds, set a higher sensitivity level or disable the VOX function to watch and listen continuously.*

TIPS AND WARNINGS

GENERAL:
• Thoroughly read the user's manual and follow all indications.
• Never place the baby unit or parent unit in wet or humid room or environment.
• Ensure adequate heat dissipation; never cover the parent unit, the baby unit and/or the power adapter(s) and never place them directly next to a heat source.
• Only use the supplied adapter(s); connecting a different type of adapter will damage the electronics.
• Make sure the adapter cables are free of any damage and ensure nobody can trip or fall because of these cables.
• Never dismantle the parent unit, the baby unit and/or the power adapter(s); only qualified personnel is authorized to do so.

BATTERY:
The battery starts charging as soon as you connect the parent unit to the power adaptor and insert this adaptor into a 230V wall socket.
• You may leave the adaptor connected at all times; the charging circuit for the battery is controlled electronically and there's no risk of overcharging.
• However, if you don't use the set for a longer period of time (>2 months), we recommend you to remove the adaptor from the wall socket and take out the battery from the parent unit. When using the set again, first properly charge the battery.

INSTALLATION:
• Only connect or disconnect the power adapter to/from the baby unit or parent unit when the power adapter is removed from the wall socket.
• Never install the DVM-250 during thunder storms.
• Never touch any non-isolated adapter cables, unless the adapters are removed from the wall socket.

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(s) be received by e.g. your neighbors.
• In case the baby unit(s) or parent unit is placed in or in the close vicinity of electromagnetic fields, the signal (images or sound) can be slightly affected. If this happens, try a different location for the baby unit(s) 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.

RANGE:
• The baby display monitor has a range of up to 300 meters in an open field and up to 50 meters indoors; this range depends on local circumstances.
• When the units get out of range of each other, the 'out of range' icon (📶) will appear and every minute several alert beep tones are emitted. As soon as the baby unit and parent unit are back within range of each other, this warning will stop.

DELAY IN IMAGES AND SOUND:
• The baby unit transmits the images and sound to the parent unit in digital blocks. The parent unit converts these signals back to a recognizable image and a comprehensible sound. Therefore, there is a small delay between the moment of movement and making sounds and the display and sounds of the parent unit.
• Besides that, the sounds and images on the parent unit are not exactly simultaneous.

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

ENVIRONMENT AND DISCARDING:
• The packaging of this baby video monitor can be discarded as waste paper. However, we advise you to save this packaging so you can adequately protect the devices for transportation.
• 🗑 Faulty or exhausted batteries or battery packs should be taken to your local depot for small chemical waste or to dedicated battery collection points. Never dispose of batteries or battery packs as normal household waste.
• In case the baby video monitor is being replaced, please return it to your supplier; they will guarantee environment-friendly processing.

PROBLEMS:
• no image, no sound:
  – are the parent unit and baby unit switched off? (battery charged, battery full?)
  – is the parent unit within range of the baby unit?
  – is the image and sound are not disabled because no sound is being detected? (VOX)
  – is the volume at the parent unit set to 0 (off)?
• If the above is all in order, remove the adapters 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 receive no images or sound, please contact the customer service of Alecto via the phone number 073 6411 355 (Netherlands), 03 238 5666 (Belgium) or via internet www.alecto.nl

SPECIFICATIONS

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Range:	up to 50 meters indoors
	up to 300 meters outdoors
Parent unit power:	3.7V Li-Ion battery pack, 1440mAh
	5VDC 1000mA power adapter model: ZD5C050100EUDW
Baby unit power:	5VDC 600mA power adapter ⎓ (incl.)
	model: ZD5C050100EUDW
Frequency:	2400MHz - 2483.5MHz
Modulation:	GFSK, FHSS
RF output:	18+/-1dBm
RF sensitivity:	<= 85dBm
Display:	5.0" color LCD display 480x272 pixels
Battery charging duration:	+/- 4 hours (*)
Battery operation duration:	6~8 hours (*)
Operation temperature:	0°C - 40°C
Operation humidity:	40%~90% RH
Storage temperature:	-10°C - 50°C
Accuracy:	± 2°C (at 25°C)
Monitor suitable for:	4 cameras
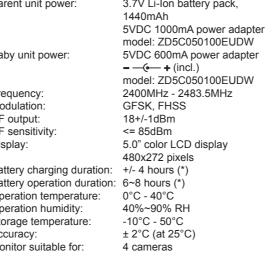
*: the times mentioned above are references only and depend on the usage, condition and quality of the batteries.

WARRANTY

For the Alecto DVM-250 you have a warranty of 24 months from the date of purchase. During this period, we guarantee the free repair of defects caused by material and workmanship errors. All this subjected to the final assessment of the importer.

HOW TO HANDLE: If you notice any defect, first refer to the user's manual. If the manual provides no definite answer, please contact the supplier of this baby video monitor or contact customer service of Alecto via the Internet www.alecto.nl

THE WARRANTY BECOMES NULL AND VOID: in case of improper use, incorrect connections, leaking and/or incorrectly installed batteries, use of unoriginal parts or accessories, negligence and in case of defects caused by moisture, fire, flooding, lightning and natural disasters. In case of unauthorised modifications and/or repairs performed by third parties. In case of incorrect transportation of the device without adequate packaging and when the device is not accompanied by this warranty card and proof of purchase. The warranty does not cover connecting cables, plugs and batteries. All further liability, especially concerning any consequential damages, is excluded.

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Service   Help

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