USER'S MANUAL

Alecto®

DVM-320
DVM-325
DVM-525

INTRODUCTION

- The Alecto DVM-320, DVM-325 and DVM-525 are wireless baby monitor observation system, suitable for private use indoors.
  - DVM-320: fixed camera, monitor with 3.4" screen
  - DVM-325: camera with pan/tilt, monitor with 3.4" screen
  - DVM-525: camera with pan/tilt, monitor with 5.1" screen
- You can either watch and listen continuously or you can have the baby monitor switch on.
- These models meets all essential requirements and other provisions as described in the European Directive 2014/53/EU.
- The declarations of conformity are available at:
  - DVM-320: doc.hesdo.com/DVM-320-DOC.pdf
  - DVM-325: doc.hesdo.com/DVM-325-DOC.pdf
  - DVM-525: doc.hesdo.com/DVM-525-DOC.pdf
- Use of this equipment is allowed in all countries of the EU. In France, Italy, Russia and Ukraine, only indoor use is allowed.
- 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.

ℹ 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

Power supply:
The baby unit (camera) is powered through the supplied 5V power adaptor with micro USB plug.

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
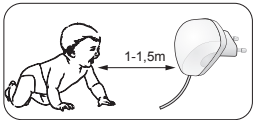
The parent unit (monitor) is powered by the fixed, built-in and non-replaceable battery. This battery may be recharged by connecting the adaptor of the baby unit to the parent unit when the baby monitor is not being used or by connecting the supplied charging cable to the USB power output of any other charger with USB port.

Table stand monitor:
Fold out the support at the rear to place the parent unit onto a table or cabinet. First slide the support somewhat downward and then fold it out.

Magnet mounting (camera DVM-320):
The fixed camera of the model DVM-320 may be placed loose on a flat surface or may be attached to a metal wall or closet using the powerful magnetic foot.

Wall mounting (camera DVM-325, DVM-525):
Drill two holes into the wall at a distance of 5cm from each other and insert plugs and screws (excl.). Let the head of the screw protrude for several millimetres.
Suspend the baby unit by sliding the cut-outs in the camera support over the screws in the wall and pushing the baby unit somewhat downward. Finally, neatly tuck away the adaptor cable using cable-ties.

FUNCTION OVERVIEW

PARENT UNIT:
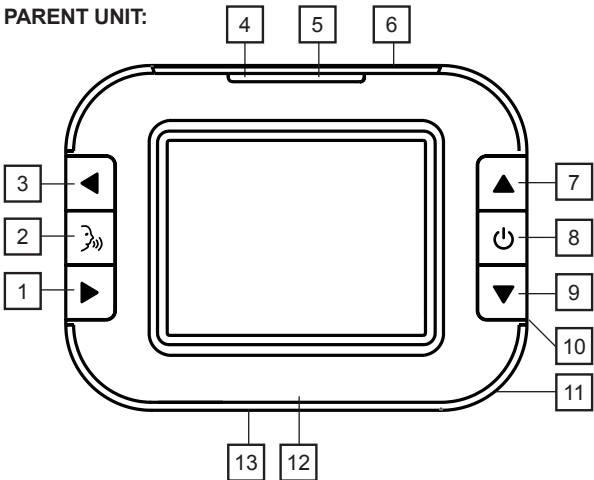
1. ▶ button, to select the desired function during setup (*)
2. Talk-back button, press and hold to talk back to the baby
3. ◀ button, to select the desired function during setup (*)
4. Power and battery check indicator:

   parent unit switched off, power adaptor connected:
   - flashes yellow/red while recharging
   - yellow light remains lit when the battery is fully charged

   parent unit switched on and power adaptor connected:
   - green (**) light flashes while the battery is recharging
   - green (**) light remains lit when the battery is fully charged

   parent unit switched on, power adaptor not connected:
   - green (**) when the battery is 1/3, 2/3 or 3/3 full
   - red light flashes when the battery is 0/3 full, the parent unit may now switch off at any moment

5. Sound indicators, flashing when the baby is crying
6. ⊡ button:
   press and hold for 2 seconds to switch the screen on or off, press briefly to enable or disable the night light of the baby unit (only DVM-325 & DVM-525)
7. ▲ button, to select the desired setting (*)
8. ⏻ button
   press and hold for 2 seconds to switch the parent unit on or off, press briefly to open the setup menu
9. ▼ button, to select the desired setting (*)
10. Power adaptor input
11. Built-in speaker (rear)
12. Built-in microphone
13. Foldable table support (rear)

*: these buttons are also used to move the DVM-325 and DVM-525 cameras provided with a pan/tilt function.

**: When the FULL ECO mode is enabled, the power indicator of the parent unit will light in the yellow color.
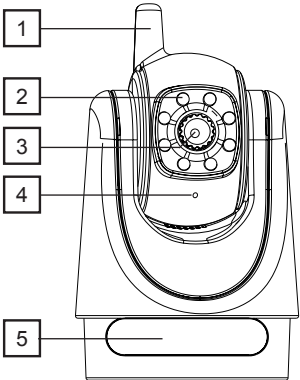
BABY UNIT DVM-320:
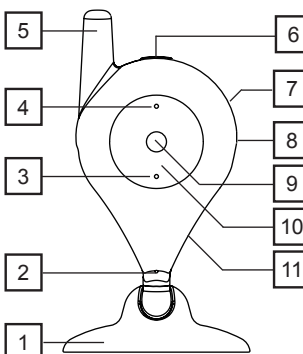
1. Magnetic foot
2. Temperature sensor
3. Built-in microphone
4. Power indicator
5. Antenna
6. On/off push-button (press and hold for 2 seconds to switch the baby unit on or off)
7. Built-in speaker (rear)
8. Light sensor, for switching the night-vision LEDs on and off
9. Camera lens

10. This area contains the infra-red LED's for the night view lighting (not visible to the naked eye)
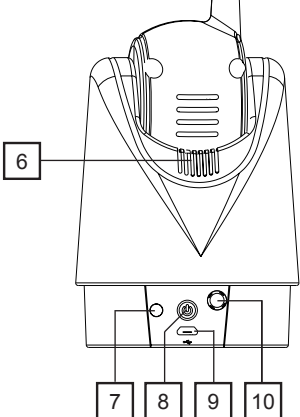11. Power adaptor input (rear)

BABY UNIT DVM-325 / DVM-525:

Front:

1. Antenna
2. Infra-red night-vision LEDs for night-vision lighting
3. Camera lens
4. Built-in microphone
5. Night light

Rear:

6. Built-in speaker
7. Light sensor, for switching the night-vision LEDs on and off
8. On/off push-button (press and hold for 2 seconds to turn the baby unit on or off) with built-in power indicator
9. Power adaptor input
10. Temperature sensor

SYMBOLS IN THE DISPLAY

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

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

Battery:
When in use, the battery symbol in the upper right corner of the display shows the battery capacity.
- battery full
- battery 2/3 full
- battery 1/3 full
- and flashing: battery is nearly exhausted and the parent unit may switch off at any moment

Additionally, when the battery is nearly exhausted every 30 seconds an alert tone is emitted for approx. 10 to 15 minutes. In this case, immediately connect the adaptor otherwise the parent unit will switch off within that time

🎤 **Talk-back function:**
The talk-back symbol illuminates while talking to the baby unit.

🔇 **Sound off:**
Indicates that the speaker volume is set to 0 (sound off).

Which camera:
Next to the camera icon you can determine which camera you're viewing.

X2 Zoom function:
Indicates that the zoom function is enabled.

Night light (only DVM-325 & DVM-525)
Indicates that the night light on the baby unit is enabled.

20°C Temperature:
Display of the temperature in the room where the baby unit is located.

🎵 **Lullaby:**
Indicates that the lullabies are enabled.

Vibration function:
Illuminates when the vibration function is enabled.

USE

See the other side of this user manual for the menu-operated functions

BABY UNIT:

Switching on/off:
Press and hold the on/off button on the top (DVM-320) or at the rear (DVM-325/DVM-525) for 2 seconds to switch on the baby unit; the power indicator will illuminate.
Press and hold the on/off button again for 2 seconds to turn off the baby 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.

ℹ *The LEDs can illuminate objects up to a distance of approximately 2 meters.*

ℹ *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.*

ℹ *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.*

To page the parent unit:
Briefly press the power push button to have the parent unit start emitting beep tones. These beep tones will stop automatically after 60 seconds or you may stop the beep tones beforehand by pressing any button on the parent unit.

PARENT UNIT:

Switching on/off:
Press and hold the ⏻ button for 2 seconds to switch the parent unit on or off.

Volume:
Briefly press the ⏻ button to open the menu.
Use the ▲ and ▼ buttons to adjust the volume.
During setup, the volume level is indicated in the menu bar (volume 0 = sound off).
As an additional indicator, the 🔇 symbol appears in the display when the sound is turned off.

Sound indicators:
In the middle of the upper part of the screen 4 sound indicators indicate whether the baby is crying by starting to flash. In this way you can monitor your baby also when the volume is set to a low level or even turned off or when the baby monitor is somewhat further removed in the room.

Vibration function:
When the volume is turned-off (no sound) and the baby is crying so loud that all sound indicators illuminate, you may have the parent unit vibrate as an additional alert,
You may switch this function on or off by simultaneously pressing and holding the ⊡ button (on top of the parent unit) and ▶ button for 4 seconds.
symbol illuminated: vibration function enabled.
symbol not illuminated: vibration function disabled.
Operation: when all sound indicators are lit and the reception volume is set to 0 (no sound), the vibration function will briefly be activated every 3 seconds as an additional alert notification.

Talk-back function:
Press the 🎤 button to talk back to your baby. Press and hold the button for as long as you're talking and release the button to listen again.
The volume at the side of the baby unit is fixed and cannot be adjusted.

ℹ *While using the talk-back function, the 🎤 icon appears in the upper part of the display.*

Night light: (only DVM-325 & DVM-525)
Press the ⊡ button (on top of the parent unit) to enable or disable the night light on the baby unit. The status of this light is shown in the upper part of the parent unit's display:
symbol illuminated: night light enabled.
symbol not illuminated: night light disabled.

Screen off (parent sleep mode):
If you place the parent unit on your nightstand in the evening to be able to continuously listen to all baby sounds, but the brightness of the display is annoying, you may switch off the screen by pressing and holding the ⊡ button for 2 seconds.
Press the ⊡ button again for 2 seconds or briefly press any other button to turn the screen back on.

Temperature display and alert.
In the upper part of the display the temperature is shown that the baby unit is measuring in the baby room.
This temperature display is linked to a temperature alert. When the temperature exceeds 30°C or drops below 10°C, every 30 seconds a beep tone is emitted while 'HI' (temperature too high) or 'LO' (too cold) appears in the upper part of the screen.

ℹ *These max and min limits are fixed and cannot be adjusted by you.*

You may enable or disable the alert-beeps. To do this, press and hold the ⊡ (on top of the parent unit) and ◀ buttons until one or two beep tones are emitted after at least 4 seconds:
1 beep tone emitted: alert-beeps enabled
2 beep tones emitted: alert-beeps disabled

Pan/tilt: (only DVM-325 & DVM-525)
Use the ◀, ▶, ▲ and ▼ buttons to rotate and tilt the camera of the DVM-325 and DVM-525.

ℹ *The pan/tilt function cannot be used in combination with the scan function (see 'Multi-camera' further in this user manual for more information regarding this function).*

MENU-OPERATED FUNCTIONS

Briefly press the ⏻ button to open the menu. Now use the direction buttons ◄ or ► to select one of the following functions:

🔊 Volume

Briefly press the ⏻ button to open the menu. Use the ▲ and ▼ buttons to set the desired volume.
Volume 0 = sound off, volume 6 = maximum level,
Briefly press the ⏻ button to save your setting and leave the menu.

When the volume is turned off, the 🔊 icon appears in the upper part of the display.

☀ Brightness:

Briefly press the ⏻ button to open the menu.
Use the ◄ or ► button to select the ☼ option.
Use the ▲ and ▼ buttons to set the desired brightness.
Level 0 = minimum brightness, level 6 = maximum brightness.
Briefly press the ⏻ button to save your setting and leave the menu.

| i | *Keep in mind that the unit uses more power on a high intensity level compared to a low display intensity. For mobile use, i.e. powered by the battery, we recommend a lower intensity. When using the adaptor, you may set a higher intensity.* |

⚡ VOX - ECO - FULL ECO mode:

This menu function offers the following options:
option 🔋: the display is enabled continuously; this setting uses the most power.
option 🔋: the display is off while the baby is sleeping and turns on as soon as the baby is making soft noises.
option 🔋: the display is off while the baby is sleeping, but turns on when the baby starts making loud noises.

option 🔋: the display is off while the baby is sleeping, but turns on when the baby starts making loud noises.
For the difference between the options 🔋 and 🔋 please see below the description ECO and FULL ECO.

Briefly press the ⏻ button to open the menu.
Use the ◄ or ► button to select the ⏻ option.
Use ▲ and ▼ to set the desired option.
Briefly press the ⏻ button to save your setting and leave the menu.

ECO:
In the 🔋 and 🔋 mode, the transmitter of the camera is switched off while the baby is sleeping. However, in the background the baby monitor regularly checks the connection between the parent unit and baby unit. You'll be notified if the connection is lost.

FULL ECO:
In the 🔋 mode, the transmitter of the camera is also switched off while the baby is sleeping and even the connection check is disabled. This means absolutely no radiation when the baby is sleeping.
The baby unit activates as soon as the baby wakes up and starts making noises.
When the FULL ECO mode is enabled, the power indicator of the parent unit will light in the yellow color.

| i | *Attention: keep in mind that in the FULL ECO mode, there's no alert tone when the connection between the parent unit and baby unit is lost.* |

To check in between:
In the ECO or FULL-ECO mode you may briefly press the ◄, ►, ▲ or ▼ button in the meantime to enable the display and sound (provided the volume is not set to 0) for at least 15-20 seconds.

🔍 Zoom mode:

Briefly press the ⏻ button to open the menu.
Use the ◄ or ► button to select the 🔍 option.
Press ▲ or ▼ to enlarge the display or, when zoomed in already, to return the screen to the initial size.
Briefly press the ⏻ button to save your setting and leave the menu.

When the zoom function is enabled, "X2" appears in the upper part of the display.

🎵 Lullabies:

Briefly press the ⏻ button to open the menu.
Use the ◄ or ► button to select the 🎵 option.
Press ▲ to start or to stop playback.
Use ▼ to select another song. You may choose from 8 different songs.
Briefly press the ⏻ button to save your setting and leave the menu.

| i | *Playback stops automatically after 30 minutes or you may open the menu again and, at the 🎵 option, press the ▲ button to stop playback beforehand.* |

| i | *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 volume level of the parent unit to 0 (= sound off).* |

As soon as and for as long as the lullabies are being played, the 🎵 symbol appears in the upper part of the display.

📷 Multi-camera:

Introduction:
you may register up to a maximum of 4 baby units (cameras) on the parent unit. In case you've registered multiple baby units on the parent unit, you may manually switch to another baby unit or have the images of all registered baby units shown automatically one after the other.

Separate cameras are available via www.alectobaby.nl

To register new cameras:
On the parent unit:
1. Connect the power adaptor to the parent unit and switch the unit on by pressing and holding the ⏻ button for 2 seconds.
2. Briefly press the ⏻ button to open the menu; use the ◄ or ► button to select the 📷 option and use the ▲ and ▼ buttons to select the desired camera number (choose '1' if this is your first, choose '2' for the 2nd camera, etc.).
3. Now press and hold the ⏻ button for 2 seconds to turn off the parent unit.

On the (new) baby unit:
4. Connect the power adaptor to the new camera and make sure the unit is lit. If this indicator is however illuminated, press and hold the ⏻ button for 2 seconds to turn the camera off.

On the parent unit + (new) baby unit:
5. On both the baby unit and the parent unit, now press and hold the ⏻ button for at least 6 seconds. The power indicators start flashing rapidly and after several seconds the image of the (new) camera appears in the display of the parent unit.

Repeat these instructions if the registration doesn't succeed the first time.

| i | *If you accidentally selected the camera number of an existing camera at set 2, this camera will be de-registered. You can then simply register that camera as a new camera* |

To select a camera:
Briefly press the ⏻ button to open the menu.
Use the ◄ or ► button to select the 📷 option.
Use the ▲ and ▼ to select the desired camera.
Briefly press the ⏻ button to save your setting and leave the menu.

| i | *In the upper part of the display the number is shown of the camera you're currently watching.* |

Camera SCAN:
At the above step 3, select the 🔄 option to enable the SCAN mode. The display and sound of all registered cameras are now played via the parent for 10 seconds one after the other.

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

To remove a camera:
It's not possible to actually remove a camera, but when registering a new camera on the same camera number as that of the old camera, the registration of the old camera will then be lost.

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.
• You CANNOT replace the battery yourself. If the battery must be replaced, please contact the Alecto customer service via www.alecto.nl

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.
• Do not install the baby monitor 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 are out of range of each other, the display will 'freeze' while the 'out of range' icon (📡) in the upper left corner of the display. The image will disappear after 30 seconds (screen turns completely blue), the red/green power indicator starts flashing and the unit emits alert tones. 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.
• 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?
  – are the display and sound not switched off because of silence (VOX)?
  – are the baby unit and parent unit registered on each other?
  – is the correct camera selected on the parent unit?
  – 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 and turn the unit off, 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 internet www.alecto.nl

FLEXIBLE STAND:
The stand of the parent unit is made of flexible plastic to prevent breakage.

SPECIFICATIONS

|	
Range:	up to 50 meters indoors
	up to 300 meters outdoors
Parent unit power:	3.7V Li-Ion battery pack,
	1600mAh
	NOT REPLACEABLE WITHOUT
	TOOLS
Baby unit power:	5VDC 500mA power adapter
	model: HJ-0500500P1-EU
Frequency:	2407 MHz - 2475 MHz
Modulation:	FSK
RF output:	<20 dBm
Battery charging duration:	4-8 hours (*)
Battery operation duration:	7~9 hours (*)
Operation humidity:	10°C - 40°C
Storage temperature:	-10°C - 70°C
Monitor suitable for:	4 cameras

Attention:
⚠ The parent unit and baby unit (all models) are NOT water-proof and only suitable for indoor use.

*: the times mentioned above are references only and depend on the usage, condition and quality of the batteries.

WARRANTY

For the Alecto DVM-320, DVM-325 and DVM-525 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, use of unoriginal parts or accessories, negligence and in case of defects caused by moisture, fire, flooding, lightning and natural disasters. In case of unauthorized 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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