

# USER'S MANUAL

## INTRODUCTION

- The Alecto DVM-140 is a wireless audio / video observation system, suitable for private use indoors.
- You can either watch and listen continuously or you can have the baby monitor switch on.
- Before you start using the set, first remove any protective foil from the parent 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.

### DECLARATION OF CONFORMITY

Hereby, Hesdo declares that the radio equipment type Alecto DVM-140 is in compliance with directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:  
<http://DOC.hesdo.com/DVM-140-DOC.pdf>

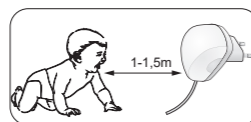
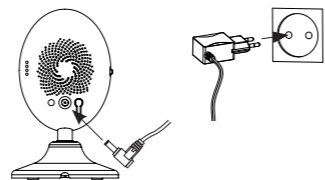
Use of this equipment is allowed in all countries of the EU. In France, Italy, Russia and Ukraine, only indoor use is allowed.

## INSTALLATION

### BABY-UNIT:

#### Power:

Connect the supplied power adapter with model number CYHA050100VWEU to the backside of the baby-unit, as shown on the drawing. Put the adapter in a 230V mains socket.



**When used as a baby monitor:** Make sure the baby cannot reach the baby unit or wire. Place the baby unit at least 1 to 1,5 meters away from the baby and you can bundle cables that are too long with tape or cable ties available specifically for this purpose.

#### Wall-mounting:

Drill two holes next to each other in the wall, separated by a distance of 3,2cm and insert plugs and screws. The head of the screw should stick out of the wall for several millimeters. Slide the foot of the baby unit over the screws and then press the baby unit a little downwards.

#### Tips for placement:

- For use as a baby monitor: place the baby unit at least 2 meters away from your baby and make sure to safely tuck away the adapter cable.
- For optimal range, it is advisable to set up the baby unit as high as possible, free from large metal surfaces.
- 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.
- The baby unit is not waterproof. When using outdoors, make sure to protect the baby unit against moisture and sand.

### PARENT UNIT:

#### Power supply:

The parent unit can be powered directly by the included rechargeable battery or via the supplied power adapter. As soon as you connect the power adapter, it will charge the battery allowing for mobile use of the parent unit.

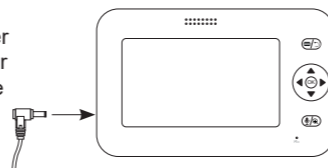
#### Battery:

Open the battery compartment by sliding off the battery cover at the rear of the unit. Install the supplied battery and slide the battery cover back onto the parent unit.

Never install the battery by force. Only install the supplied rechargeable Lithium battery (NV604464, 3.7V 1800mAh).

#### Power adapter:

Connect the supplied power adapter with model number CYHA050150VWEU on the side of the parent unit and insert the adapter into a 230V wall socket.



Make sure that the adaptor cable doesn't cause a tripping or falling risk. Bundle cables that are too long with tape or cable-ties available specifically for this purpose.

#### Parent unit table stand:

You may place the parent unit onto a table or cabinet by using the stand at the rear of the device.

## FUNCTION OVERVIEW

### PARENT UNIT:



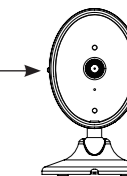
- (on the upper side of the parent unit) Press and hold for 3 seconds to switch the parent unit on or off. During use: Press briefly 1x to switch off the display, press again to switch the display back on.
- Press briefly to access the menu. After opening the menu: Press briefly 1x to go back one step.
- During use as a monitor: No function. After opening the menu: press **briefly** and repeatedly to select the desired setting.
- After opening the menu: Press briefly 1x to confirm the selected setting.
- Press briefly to somewhat enlarge the image (zoom in), press again to restore the normal view. press and hold to talk back to the baby.
- (on the right side of the parent-unit) press briefly and repeatedly to increase or decrease the volume

### BABY-UNIT:

Switch : slide down to switch on the baby unit, slide up to switch off



Press briefly to register the baby unit on the parent unit. See the related instructions further on in this manual.



## SCREEN SYMBOLS

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

### Sound:

sound is enabled

Attention, this doesn't indicate the set volume

sound is disabled (volume set to 0)

Attention, when disabling the sound while the VOX function is active (for this, see 'menu operated functions'), the speaker symbol will keep indicating that the sound is enabled

### Lullabies

playback of the lullabies is enabled, the digit indicates the song number (1-4)

### Feeding timer:

the feeding timer is enabled, the countdown time is shown in the lower right corner of the screen

### Temperature alert:

the temperature alert is enabled

### Temperature:

22°C ('22' is an example)

Indicates the temperature in the room where the baby unit is situated; take into account a possible tolerance of ± 1.5 degrees

23:07:25 ('23:07:25' is an example)

The time is displayed in the upper right corner of the screen. See the section 'Settings / Time' to adjust this time setting.

### Battery:

Next to the camera indication, the battery capacity is shown:

- battery full
- battery 2/3 full
- battery 1/3 full
- and flashing red: battery nearly exhausted, the parent unit may switch off at any moment,

When the battery is almost empty, each minute a series of alert tones will sound for approximately 20 to 30 minutes. In this case immediately connect the adaptor, otherwise the adaptor may switch off within this time limit.

### Zoom function:

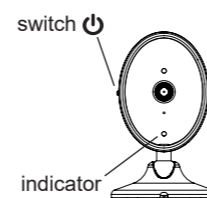
the zoom function is enabled.

## USE

### BABY UNIT:

#### Switching on/off:

Slide switch down to power-on the Baby-unit. The indicator will illuminate.



Slide this switch up to power-off the Baby-unit. The indicator will turn off.

#### 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 off again when it becomes light.

The LEDs can illuminate objects up to a distance of approximately 3-5 meters.

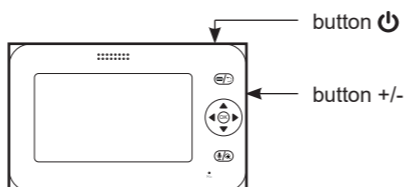
When it's dark, that is when the night vision LEDs are switched on, the images on the parent unit will be displayed in black and white.

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 button for 3 seconds to switch the parent unit on or off.



### Volume:

Repeatedly and briefly press the +/- buttons to adjust the volume. During setup the screen will indicate the volume level (volume 0 = sound off). As an additional reminder, the symbol appears when the sound is disabled.

#### To talk back:

Press the button to talk back to your baby. Keep the button depressed for as long as you're speaking and release the button to listen. The volume at the side of the baby unit is fixed and cannot be adjusted.

While using the talk-back function, the icon appears in the screen.

#### Display off (parent sleep mode):

If the display brightness of the parent unit on your bedside table is bothering you at night, you may switch off the display by pressing the button. The sound remains enabled. Briefly press a random button to switch the display back on.

See the section 'VOX' to automatically switch off the screen + sound when the baby is sleeping and to switch them on again as soon as the baby starts crying

#### ZOOM: (enlarging)

Briefly press the button to zoom in. Briefly press the button again to restore the normal view. The zoom symbol appears in the upper right corner of the screen when this function is enabled.

## MENU OPERATED FUNCTIONS

Open the menu by briefly pressing the button. Use the navigation button , , or to select the desired option. Press the **OK** button to open the selected option.

### Lullabies:

1. Briefly press the button, use , , or to select the 'Lullabies' option and press the **OK** button
2. Use the , , or button to select the desired lullaby or select 'All' to repeatedly play all lullabies and press the **OK** button
3. Press 2x the button to leave the menu and to return to the normal screen or wait for 10 seconds until this happens automatically

Playback of the lullabies is stopped automatically after approximately 20 minutes. You may also open the menu and select **STOP** to stop playing the songs earlier.

At the bottom of the menu you also have the option to adjust the playback volume of the lullabies at the baby unit.

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).

As soon as and for as long the lullabies are being played, the symbol appears at the top in the display.



## View:

When multiple baby units are registered on the parent unit, you may use this menu to select which view must be displayed in the screen.

1. Briefly press the button, use , , or to select the 'View' option and press the **OK** button
2. Use the or button to select which camera you'd like to view or select SCAN to display the view of all cameras for 5 seconds one after the other and press the **OK** button



*Attention: The unit does NOT automatically switch to a camera where sounds are being detected.*



## Temperature:

This menu allows you to input a minimum and maximum value for the temperature alert, to switch the alert function on/off or to set the display to degrees Celsius or degrees Fahrenheit.

1. Briefly press the button, use , , or to select the 'Temperature' option and press the **OK** button
2. Use the , buttons to select the desired setting:
  - 'Low Temperature' for the minimum temperature
  - 'High Temperature' for the maximum temperature
 set these options with the or button
  - 'C' for display in degrees Celsius
  - 'F' for display in degrees Fahrenheit
  - 'OFF' to disable the temperature alert
  - 'ON' to enable the temperature alert,
 press the **OK** button to select this setting
3. Press 2x the button to leave the menu and to return to the normal screen or wait for 10 seconds until this happens automatically.

## Temperature alert operation

When the temperature alert is enabled, the thermometer symbol appears at the top of the screen. When the MAX or MIN limit is exceeded, this symbol illuminates in red while 'Hi' or 'Lo' is displayed.

In addition, the 'Temperature alarm' notification appears in the middle of the screen while alert tones are emitted for several seconds.



*The alert tones only sound once, but the thermometer symbol remains red until the temperature falls back within the limits you've set.*



## Feeding timer:

The DVM-140 parent unit can sound a signal when e.g. it's time for the next feeding.

1. Briefly press the button, use , , or to select the 'Feeding Timer' option and press the **OK** button
2. Use the , , or button to select one of the 4 pre-set times (2 hours, 3 hours, 4 hours or 5 hours) and press the **OK** button
3. You may use the 'Settings' option to program a custom time between 1 second and 23:59:59h, then press the **OK** button
4. Press 2x the button to leave the menu and to return to the normal screen or wait for 10 seconds until this happens automatically



*The remaining time is displayed in the upper right corner of the screen.*



*As soon as the selected or set time elapses, alert tones are emitted while the icon at the top of the screen turns red.*



*The alert tones sound only once, but the elapsed time at the bottom right and the red icon at the top remain as a visual reminder. You'll need to manually switch these off by opening the menu, selecting the 'Cancel' option and then pressing the **OK** button or 2x pressing the button.*



## VOX:

When the baby is sleeping quietly and the baby unit is not picking up any noise, you may have the sound of the parent unit switch off automatically and have it switch on again as soon as the baby starts crying.

### Setup:

You may adjust the sensitivity of the automatic switch-on function as follows:

1. Briefly press the button, use , , or to select the 'VOX' option and press the **OK** button
  2. Use the or button to select one of the following options:
    - 'OFF': the VOX function is disabled: all sounds from the baby room are transmitted, also when the baby is sleeping
    - 'Low': the VOX function is enabled with low sensitivity: sounds are transmitted only when the baby is crying loudly
    - 'Middle': the VOX function is enabled with medium sensitivity: the baby unit transmits sounds when the baby is crying normally
    - 'High': the VOX function is enabled with high sensitivity: also soft sounds from the baby room are transmitted
  3. Press the **OK** button and press 1x the button to leave the menu and to return to the normal screen or wait for 10 seconds until this happens automatically
- The word 'VOX' appears at the top of the screen while this function is enabled.

### Operation:

- The sound of the parent unit is switched off approximately 30 seconds after the baby unit is no longer picking up any noises. The display remains enabled.
- As soon as the baby unit detects noises, depending on the sensitivity setting, the sound is enabled again and can be heard through the parent unit.
- When the sound is switched off under the influence of silence and you press the button, the display is also switched off. If the baby now starts crying, both the sound and the display are switched on.

- When the baby falls asleep again, the sound is switched off automatically but the screen remains enabled. Briefly press the button again if you prefer to disable the display.



## Settings:

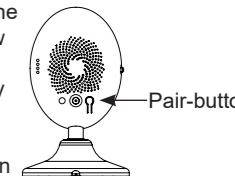
This menu allows you to customise the baby monitor according to your preferences.

1. Briefly press the button, use , , or to select the 'Settings' option and press the **OK** button
  2. Use the , , or button to select the desired setting and press the **OK** button:
    - 'Language': use , , or to select the desired language and press **OK** to confirm. You may choose between English, Dutch, French and German.
    - 'Time': use and to select the hours, minutes or seconds and use and to set the time. Press **OK** to confirm.
    - 'Frequency': to prevent shaking images, you may adjust the image frequency according to the frequency of your mains supply. Use or to select '50Hz' or '60Hz' and en press **OK** to confirm.
    - 'Brightness Setting': use the or button to select the desired display brightness and press **OK** to confirm.
- Keep in mind that the power usage increases when selecting a high display brightness instead of a low brightness. In case of mobile use, i.e. power is supplied by the battery, a lower brightness setting is recommended. You may set a higher brightness when using the adaptor.*
- 'Camera': You can register up to a maximum of 4 baby units (cameras) on the DVM-140 parent unit. The next section describes how to register and remove additional cameras.
  - 'Default Setting': select this option to fully reset the baby monitor. Keep in mind that the (all) registered baby unit(s) must be re-registered after this reset.
3. Finally, press 2x or 3x the button to leave the menu and to return to the normal screen or wait for 10 seconds until this happens automatically.

## ADDITIONAL CAMERAS

To register a new camera:

1. Connect the power adapter of the new camera (baby unit) and insert the adapter into a 230V wall outlet; check whether the camera is turned-ON (switch into position I)
2. Open the menu on the parent unit, select the 'Settings' option, press the **OK** button and then select 'Camera'. Press the **OK** button.
3. Use the or navigation button to add a new camera ('Add Camera' column) and press the **OK** button.
4. The parent unit now starts a countdown from 30 to 0, within these 30 seconds briefly press the Pair-button at the rear of the new baby unit. After several seconds the parent unit and the new baby unit will detect each other and the view of the new baby unit is immediately shown on the screen of the parent unit.



*Separate cameras can be purchased via the supplier of the DVM-140 or via the internet [www.alectobaby.nl](http://www.alectobaby.nl)*

To remove an old camera:

1. Open the menu on the parent unit, select the 'Settings' option, press the **OK** button and then select 'Camera'. Press the **OK** button.
2. Use the or navigation button to select the old camera that you'd like to remove ('Delete Camera' column) and press the **OK** button
3. The parent unit now asks for confirmation, select 'YES' and press the **OK** button
4. The baby unit is now removed

See the item 'View' in the section 'Menu operated functions' to switch between the registered cameras or to view all images one after the other.

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## TIPS AND WARNINGS

### GENERAL:

- Be advised that this babyphone is never capable to meet with the presence of an adult or a parent.
- 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 baby monitor during thunder storms.
- Never touch any non-isolated adapter cables, unless the adapters are removed from the wall socket.

### MAINTENANCE:

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

### 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.
- If the units are out of range from each other, the display will first 'freeze' for several seconds and then the text 'NO Link' appears in the display while each minute several alert tones are emitted. As soon as the baby unit and parent unit are back within each other's range these alerts 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.

### 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?
  - is the image and sound are not disabled because no sound is being detected? (VOX)
  - are the baby unit and parent unit registered to each other?
  - is the correct camera selected on the parent unit?
  - is the volume at the parent unit set to 0 (off)?
  - did you disable the screen yourself by briefly pressing the button?
- 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 internet at [www.alecto.nl](http://www.alecto.nl)

## SPECIFICATIONS

|                             |  |
|-----------------------------|--|
| Range:                      | up to 50 meters indoors<br>up to 300 meters outdoors                         |
| Parent unit battery:        | Lithium Polymer battery pack<br>3.7V, 1800mAh, model NV604464                |
| Power adapter camera:       | Model: CYHA050100VWEU<br>Input: 100-240V~50/60Hz 0.5A<br>Output: 5.0VDC 1A   |
| Power adapter mMonitor:     | Model: CYHA050150VWEU<br>Input: 100-240V~50/60Hz 0.5A<br>Output: 5.0VDC 1,5A |
| Frequency:                  | 2407 MHz - 2475 MHz  |
| Modulation:                 | FDSK / FHSS  |
| RF output:                  | <20dBm   |
| LCD display:                | resolution 480x272pixels<br>4,3 inch / 10,9 cm                               |
| Battery charging duration:  | 4 hours (*)  |
| Battery operation duration: | up to 10 hours (*)   |
| Operation humidity:         | 10°C - 40°C  |
| Storage temperature:        | -10°C - 70°C   |
| Monitor suitable for:       | 4 camera's   |

### Attention:

- The parent unit and baby unit are NOT waterproof 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-140 you have a warranty of 24 months (batteries: 12 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](http://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. All further liability, especially concerning any consequential damages, is excluded.



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