

USER MANUAL



Alecto®

DBX-85eco

1 ECO MODE

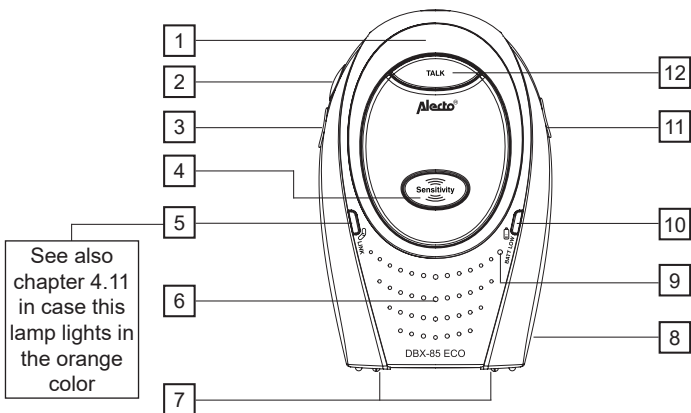
This Alecto DBX-85 ECO babyphone is equipped with an unique ECO mode. Already in normal operation mode, the baby-unit stops transmission when the baby is not crying. In Full Eco mode it even suppresses the controlling signals between the baby-unit and the parent unit, so no transmitting at all.

Attention: once the baby produces noise, the baby-unit is activated and contacts the parent unit. This causes a small delay which means that short sounds from the baby may not be heard by you. In case you really want to hear all sounds from the baby room, you must set the sensitivity to maximum (see chapter 4.5); with this setting the baby-unit is constantly active.

2 OVERVIEW

2.1 OVERVIEW PARENT UNIT:

- | | |
|--|---|
| 1. sound indication LED's | 7. charge contacts |
| 2. volume up; up button when programming | 8. battery compartment |
| 3. volume down; down button when programming | 9. microphone |
| 4. button to set the sensitivity | 10. battery-indication (🔋): see next page |
| 5. link-check (🔗), see below | 11. power on/off |
| 6. loudspeaker | 12. talk back |
| | 13. |



Link check :

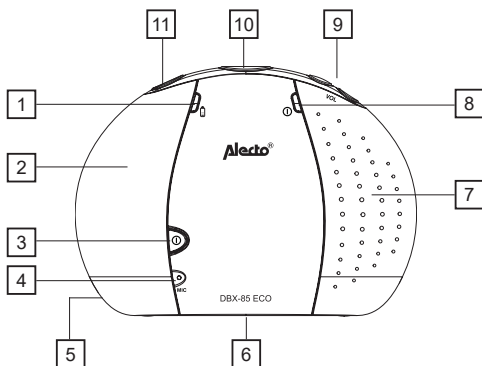
- flashes green when there is no link between baby unit and parent unit or parent unit is out of range with the baby unit.
- steadily green when linked to the baby unit
- steadily red in FULL ECO MODE and the baby is asleep. Attention: in this mode there is no active link.
- steadily orange in FULL-ECO-MODE and the baby is crying. The baby-unit is linked to the parent-unit.

battery indication :

- on steadily when in charging mode
- off when batteries are FULL
- blinks when low battery level is detected

2.2 OVERVIEW BABY UNIT:

- | | |
|--|------------------------------------|
| 1. battery indication: see below | 6. battery compartment (backside) |
| 2. built-in nightlight (not visible when switched-off) | 7. loudspeaker |
| 3. power on/off | 8. on/off indication |
| 4. microphone | 9. volume up/down |
| 5. DC input for power adapter | 10. page (to page the parent unit) |
| | 11. nightlight on/off |



battery indication :

- lights yellow when batteries are installed and the power adapter is connected to indicate that batteries are being charged (does NOT goes off when batteries are fully charged)
- off when batteries are FULL
- blinks red when low battery level is detected

3 INSTALLATION

3.1 PARENT UNIT:

The parent unit is powered by 2 supplied rechargeable batteries. These batteries are charged through the included power adapter.

ATTENTION:

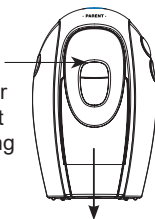
**NEVER INSTALL NORMAL BATTERIES IN THE PARENT UNIT.
NORMAL BATTERIES CANNOT BE CHARGED. RISK OF
EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.**


1. Remove the belt clip with the help of a small screw-driver
2. Remove the battery compartment cover.
3. Insert 2 x AAA rechargeable batteries, observing their polarities, into the battery compartment on the parent Unit. Only use the supplied batteries with the following specifications:





voltage / capacity: 1.2V / 750mAh or more
material / size: NiMH, AAA, HR03

4. Replace the battery door on the Parent unit
5. Connect the output plug of the mains adapter to the charger-pod and put the parents-unit onto the charger-pod to charge the batteries





Attention:  remain on, even when the batteries are charged.
The charging of empty batteries takes about 24 hours..

3.2 BABY-UNIT:

The baby-unit is powered by the supplied power adapter.
Only connect the provided power adapter with the following specifications: Input: 100-240VAC 150mA; Output: 9VDC 500mA —  — 
For portable use you can install 4 pcs **RECHARGEABLE** batteries.

ATTENTION:
NEVER INSTALL NORMAL BATTERIES IN THE BABY UNIT.
NORMAL BATTERIES CANNOT BE CHARGED. RISK OF
EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.

1. Remove the battery compartment cover.
2. Insert 4 x AA rechargeable batteries, observing their polarities, into the battery compartment on the parent Unit. Only use the supplied batteries with the following specifications:
 voltage / capacity: 1.2V / 1300mAh or more
material / size: NiMH, AA, HR6, penlite
3. Reattach the battery compartment cover.
4. Connect the output plug of the mains adapter to the DC socket on the side of the baby unit and the mains adapter to the wall mains supply.
5. The battery indication  comes on and charging begins (this LED remains lit, even when the batteries are fully charged)



Depending on the capacity of the batteries, It will take about 24 hours to fully charge the batteries.

The power adapter for the baby-unit is inclusive. Rechargeable batteries for the baby-unit are exclusive.

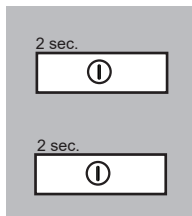
3.3 RECOMMENDATIONS:

- Never place the baby unit inside your baby's cot, bed or playpen.
- **MAKE SURE THE BABY UNIT AND MAINS ADAPTOR CABLE ARE ALWAYS OUT OF REACH OF THE BABY.**
- Avoid exposure of the units to moisture or liquid.
- Clean the units with a damp cloth.
- Do not expose the units to extreme heat or direct sunlight.

4 USING YOUR BABY MONITOR

Please read these instructions carefully, and be reminded that this baby monitor is just intended as an aid. It is not a substitute for responsible, correct parental supervision.

4.1 POWER ON/OFF:




provided the parent unit is off, press and hold <POWER> for about 2 seconds to switch-ON the unit

provided the parent unit is on, press and hold <POWER> for about 2 seconds to switch-OFF the unit

4.2 LINK CHECK:

As soon as the parent unit is turned on, it starts looking for the baby unit.

1. The link-led  blinks
2. As soon as the parent unit finds the baby unit, the link-LED lights steadily
3. In case the parent unit cannot find the baby unit within a period of 30 seconds (because it is not yet switched on, the batteries of the baby-unit are empty or the distance is too large), attention tones sound every 10 seconds.

See also paragraph 4.15.

4.3 MONITORING:

As soon as the baby unit detects a sound, it will send it to the parent unit.



receiving volume:

press the - button to decrease the volume or the + button to increase the volume (5 levels + volume-OFF)

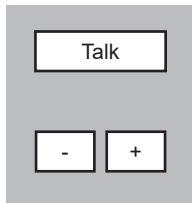
- *The volume level is indicated by the sound indications LED's*
- *You will hear an extra beep when the lowest or the highest level is reached and when you press the - or + button..*



Optical indication:

the sound is also displayed visually by LED's; monitoring can therefore be carried out even when the volume has been reduced or switched off altogether

4.4 TALK BACK:



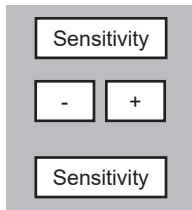
press and hold **TALK** on the Parent unit to speak to the baby

control the volume on the Baby unit:

press the - button to decrease the volume or the + button to increase the volume

4.5 SENSITIVITY: (VOX)

You can adjust the sensitivity on the Parent Unit to monitor the sound from Baby Unit:



press the **SENSITIVITY** button on the parent unit

use the - and + button to select the required level

press the **SENSITIVITY** button to confirm

- *There are five levels of sensitivity which are indicated by the sound indications LED's
level 1 represents lowest sensitivity, level 4 represents a high sensitivity, level 5 represents the highest sensitivity (the microphone is activated all the time)*
- *You will hear an extra beep when the lowest or the highest level is reached and when you press the - or + button.*
- *From factory the highest level is preset*

4.6 PAGING THE PARENT UNIT:

Use this feature to call the parent unit in case you need help in the baby room or to find the parent unit. The parent unit must be switched-on to use this feature.




Page

press the **Page** button to generate tones at the parent unit for 120 seconds


- *You may end this signaling by again pressing button **Page** or by pressing any key on the parent unit.*
- *The volume of these tones is fixed.*
- *In case the volume of the parent unit was set to off, when paging the volume will be set to on and remain on.*

4.7 NIGHTLIGHT:



provided the nightlight unit is off, press  to switch-ON

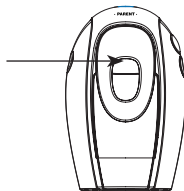


provided the nightlight unit is on, press  to switch-OFF

4.8 BELT CLIP:

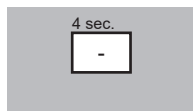
On the backside of the parents unit you will find the belt clip to carry the unit around while keeping your hands free.

Use a small screwdriver to remove this clip if you want.



4.9 RESTORE TO DEFAULT:

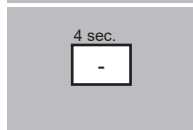
As follow the settings of the babyphone can be restored to the default values:



parent unit:

press and hold the - button for about 4 seconds

a double beep sounds and the unit is reset



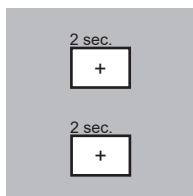
Baby-unit:


press and hold the - button for about 4 seconds


a double beep sounds and the unit is reset

4.10 FULL ECO:

When FULL ECO is activated, there is no transmitting at all when the baby is not crying.



press and hold the + button for about 2 seconds, the  LED will light orange

press and hold the + button again to switch-off this feature, the  LED will light green



Attention:

- A maximum sensitivity (level 5) will disable the Full ECO feature if FULL ECO setting is set to ON. Reduce the sensitivity level to resume the FULL ECO mode.


4.11 LINK CHECK:

Automatic:

When the FULL ECO is disabled, the babyphone constantly checks the link between the baby-unit and the parents-unit:

- As soon and as long the parent unit is in contact with the baby unit, the link-LED  on the parent unit lights steadily green.
- When the baby unit gets out of range (or is powered off), the link-LED  on the parent unit starts blinking.
- In case the link is not restored within 30 seconds, 3 beep tones sound every 10 seconds
- Once the link between the parent unit and the baby unit is restored, the link-LED will light steadily again.


Manually:


The link check does not function when the FULL ECO MODE is set. The -LED lights in the red color and you will not be warned when you are out of range of the baby-unit or when the baby unit is switched-off.

As follow you can however check the link manually


1. Press button SENSITIVITY:


2. Link OK:

 turns on in the orange color and for a couple of seconds you will hear all sounds from the baby-room

3. After some seconds the FULL ECO MODE is activated again and  lights red

2. No link:

 starts flashing; you will not hear any sound from the baby-room and after 30 seconds you will hear beeps as an indication that there is no link

3. As soon as you have found the cause of the no-link warning and solved it, the FULL ECO MODE will be activated again and  will light red

4.12 BATTERY INDICATION:

Both the parent unit and the baby unit have a battery indication lamp.

Baby-unit:

- the battery indicator is off when the baby unit is powered by the power adapter
- when the batteries are running low, the battery indicator starts blinking; it is advised to now directly replace the batteries in the baby unit or to connect the power adapter;
- in case you do not change the batteries or do not connect the power adapter, the baby unit will switch off after a while; the link-LED on the parent unit will start blinking; after you replace the batteries or connect the power adapter, the set functions as normal again

Parent-unit:

- if batteries are installed in the parents unit and the adapter is connected, the battery indicator lights; this indicator does not go off when the batteries are fully charged
- when the batteries are running low, this indication starts blinking and 4 small beeptones sounds every 10 seconds; now reconnect the power adapter to prevent that the parent unit stops functioning

5 (SAFETY)INSTRUCTIONSANDTIPS

5.1 GENERAL:

The Babyphone is for the detection of sound by which the guarding of babies, little children and the helpless is a common used feature. Be advised that this babyphone is never capable to meet with the presence of an adult or a parent.

Each time before use, check the functionality of the set. Be advised to regularly check the link during use.

The use of the babyphone is restricted to detection of sounds within own premises. Any other person who is present or might be present within the room that is monitored should be notified of the presence of the installed babyphone.

The usage of the wireless room monitor is free of license. It cannot be guaranteed that the transmission is without interference caused by other wireless systems or atmospheric disturbance.

In case the babyphone is not in use, please switch-off using the power button. If not in use for a longer period, disconnect the power adapter and remove the batteries.

5.2 MULTIPLE UNITS:

It is not possible to extend this babyphone with multiple parent units or multiple baby units. In case more baby's are to be watched, some more complete units should be purchased. These can be used next to each and will not disturb each other.

5.3 REACH:

The reach of the babyphone is approximately 50 meters indoor and 300 meter outdoor. Please be informed that large buildings, metal constructions, atmospheric disturbances and other wireless devices can influence this reach.

5.4 BATTERY LIFE TIME:

Parent unit:

With fully charged rechargeable batteries with a capacity of 750mAh you can use the parent unit for up to 24 hours without the power adapter.

Baby unit:

When alkaline batteries are installed, the baby unit will function for about 48 hours without the power adapter.

5.5 MAINTENANCE:

Never use chemical cleansers to clean the cabinet, the cabinet may only be cleaned with a moist cloth.

Always disconnect the babyphone from the mains (remove the power adapters) before cleaning.

5.6 POWER SUPPLY:

Power adapters:

Use only the mains adapters supplied with this baby monitor.

Incorrect adapter type(s) can cause damage to the unit(s).

Adapter baby-unit:

Model: S005BNV0900050

Input: 100-240VAC 150mA; Output: 9VDC 500mA 

Adapter charger pod:

Model: S003ATV0600045

Input: 100-240VAC 150mA; Output: 6VDC 450mA


Batteries:

Only install RECHARGEABLE batteries in both the parent unit and the baby-unit:

Baby-unit: 4 x 1,2V NiMH AA

Ouder-unit: 2 x 1,2V NiMH AAA

5.7 DISPOSAL OF THE DEVICE (ENVIRONMENT):

At the end of the product lifecycle, you should not throw this product into the normal household garbage but bring the product to a collection point for the recycling of electrical and electronic equipments. Exhausted batteries may never be disposed of in household waste but must be handed in at your local depot  for chemical waste.

6 DECLARATION OF CONFORMITY

Hereby, Hesdo declares that the radio equipment type Alecto DBX-85 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/DBX-85-DOC.pdf>

7 TROUBLESHOOTING

PROBLEM: POSSIBLE SOLUTION:

LED 
flashes

- The parent unit and the baby unit may be out of range with each other. Reduce the distance between the units.
- The baby unit may be switched off. Press POWER-key to switch on the baby unit.

LED 
flashes +
attention tones
from parent unit

- Lost connection with the baby unit. Reduce the distance between the parent unit and the baby unit.
- The baby unit may be switched off. Press POWER-key to switch on the baby unit.
- Rechargeable batteries in baby-unit are empty. Connect the baby unit to the mains power with the supplied power adaptor for recharging.

Cannot hear
sound or baby
cry from the
parent unit

- The volume level in the parent unit may be set too low, increase the volume level of the parent unit.

The sound on
the parent unit is
interrupted

- The microphone sensitivity level (VOX) of the baby unit may be set too low. Increase the sensitivity level of the baby unit.

High-pitched
tone

- The parent unit and the baby unit are too close to each other. Make sure the parent unit and baby unit are at least 1.5 metre away from each other.
- The speaker volume of the parent unit maybe set too high. Decrease the volume of the parent unit.

In case the babyphone still does not operate correctly, please disconnect the power adapters and remove the batteries. Wait for some minutes and install batteries and connect the power adapters again. In case the malfunction still persists, please contact your dealer.

8 TECHNICAL SPECIFICATIONS

No. of channels:	120
Frequency:	1880-1900 Mhz
Power supply of Baby Unit:	Switching mode power supply 9V/500mA/- — — — + (incl.) 4x 1.2V AA NiMH rechargeable batteries (excl.)
Power supply of Parent Unit:	Switching mode power supply, 6V/500mA/- — — — + (incl.) 2x 750mAH NiMH rechargeable batteries (incl.)
Transmitting power:	< 24 dBm
Operating temperature:	10°C to 40°C
Storage temperature:	0°C to 60°C

Information Power Adapter:	Information Power Adapter Parent Unit:
Manufacturers name and address : Vtech Telecommunications LTD, 23/F., Tai Ping Industrial Centre, Block 1, 57 Ting Kok Road, Tai Po, Hong Kong.	Manufacturers name and address : Vtech Telecommunications LTD, 23/F., Tai Ping Industrial Centre, Block 1, 57 Ting Kok Road, Tai Po, Hong Kong.
Model Identifier : S005BNV0900050	Model Identifier : S003ATV0600045
Input voltage : 100-240VAC	Input voltage : 100-240VAC
Input AC frequency : 50/60 Hz	Input AC frequency : 50/60 Hz
Output voltage : 9.0V DC	Output voltage : 6.0V DC
Output current : 0.5 A	Output current : 0.45 A
Output Power : 4.5 W	Output Power : 2.7 W
Average active efficiency : 78.8 %	Average active efficiency : 76.4 %
Efficiency at low 10% load : -	Efficiency at low 10% load : -
No load Power consumption : 0.07 W	No load Power consumption : 0.03 W

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10 GUARANTEE

You have a guarantee of 24 MONTHS after the date of purchase of this babyphone. We guarantee during this period the free repair of defects caused by material- and construction faults. This at the importers discretion. It is only possible to claim to the guarantee when you enclose your purchase ticket with the babyphone.

HOW TO ACT:

If you notice a defect, consult the manual first. If this manual gives you no definite answer, consult your dealer with a clear description of your complaint. He will collect the device together with this guarantee card and the dated purchase ticket and he will take care of a prompt repair, respectively free sending to the importer.

THE GUARANTEE EXPIRES:

When used inexpert, faulty connections, leaking and faulty placed batteries, use of unoriginal parts or accessories, negligence and defects caused by fire, flood, stroke of lightning and natural disasters. With unqualified modifications or repairs by third persons. With incorrect transport without a suitable packing. If the device is not handed in with the correct filled in guarantee card and the purchase ticket.

NOT UNDER THIS GUARANTEE: cords, plugs and batteries.

All further responsibilities, in particular subsequent damages, are excluded.

<p>Service </p> <p>Help </p> 	<p> HSC</p> <p></p>	<p>Alecto®</p> <p>WWW.ALECTO.NL SERVICE@ALECTO.NL</p> <p>Hesdo, Australiëlaan 1, 5232 BB, 's-Hertogenbosch, The Netherlands</p>
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