

# USER'S MANUAL



**Alecto**<sup>®</sup>

**DBX-93**



# INTRODUCTION

The DBX-93 is a sound-operated baby unit that functions according to the PMR-446 principle. As soon as the DBX-93 detects any sound, this will be transmitted on a frequency of 446 MHz. This signal can be received by the parent unit of the Alecto DBX-92 or by other (Alecto) PMR-446 baby monitors.

## **APPLICATION:**

### Used as an additional baby unit:

DBX-93 baby units in combination with the Alecto DBX-92 can be used to monitor several babies or spaces simultaneously.

### Used as a separate baby unit:

DBX-93 baby units in combination with any (Alecto) PMR-446 baby-phone can be used as a full-fledged baby monitoring system.

## **USER INSTRUCTIONS:**

### Used as an additional baby unit:

If you've purchased this baby unit as an expansion unit for your Alecto DBX-92, you can put this booklet aside. All the functions of this baby unit are also described in the user manual supplied with the DBX-92.

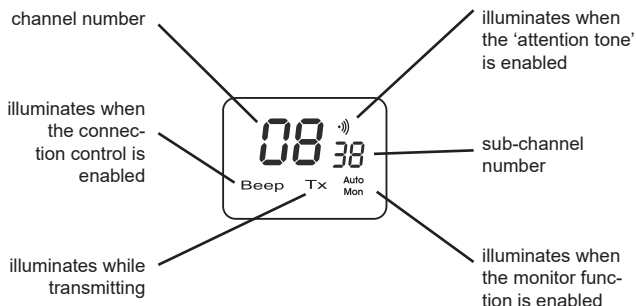
### Used as a separate baby unit:

If you've purchased this baby unit in combination with another PMR-446 babyphone to use as a baby monitoring system, please read this user manual for all baby monitor functions and the user manual of your baby-phone for the receiver functions.

## FUNCTION OVERVIEW



## DISPLAY OVERVIEW



# INSTALLATION

## **POWER SUPPLY:**

The baby unit is powered by the supplied, fixed power adaptor. Plug this connector into a 230V wall socket.

## **POSITIONING:**

Place the baby unit in the baby room. We recommend you to maintain a distance of at least 2 meters between the baby and baby unit. Always make sure that the baby cannot reach the baby unit or adaptor cable.

## **WALL-MOUNTING:**

The baby unit can also be mounted to a wall by using the keyhole opening at the rear of the unit.

# USE

## **POWER ON/OFF:**

Slide the power switch at the right side to the '1' position to turn on the baby unit. Slide this switch to the '0' position to turn off the baby unit.

## **CHANNEL & SUB-CHANNEL:**

Check whether the baby unit and your babyphone are set to the same channel and sub-channel. Refer to the next page if this setting must be changed in the baby unit.

## **OPERATION:**

As soon as the baby unit detects any sound, the transmitter is activated and the sound will be transmitted to your babyphone.

## **SENSITIVITY:**

Use the rotary **VOXSENS** control at the rear of the baby unit to adjust the sensitivity level. When turned fully anti-clockwise, you set the lowest level, fully clockwise is the highest sensitivity level.

# ADDITIONAL FUNCTIONS AND SETTINGS

## **CHANGING THE TRANSMITTING CHANNEL:**

1. press 1x the **(MENU)** button; *[CH]* will appear following the channel indication
2. press the **▼** or **▲** button to select a different channel (1-8)
3. press the **(MENU)** button to save the new channel

## **CHANGING THE SUB-CHANNEL (CTCSS):**

1. press 2x the **(MENU)** button; the sub-channel indication will be enlarged, followed by the *[Ct]*
2. use the **▼** or **▲** button to select the desired sub-channel (1-38) or to disable this function by setting sub-channel 00
3. press the **(MENU)** button to save the sub-channel

### CTCSS code description

Continuous Tone Controlled Squelch System is a tone code, send along while transmitting. You cannot hear this tone code. Only when the tone code of the baby unit corresponds to the tone code of your babyphone, the babyphone will receive the signal. This prevents interference in the babyphone caused by other devices communication on the same channel.

### **MAKE SURE TO SET THE BABY UNIT AND BABYPHONE TO THE SAME CHANNEL AND SUB-CHANNEL.**

## **CONNECTION CONTROL:**

You can have the baby unit transmit 3 short beep tones every 30 seconds which will be received by your babyphone. This way, the connection is checked every 30 seconds. You can enable or disable this function as follows.

1. press 3x the **(MENU)** button; the word *[BEEP]* will appear
2. press the **▲** button to enable this function (*[ON]* in the display) or press the **▼** button to disable this function (*[OF]* in the display)
3. press the **(MENU)** button to save your setting

## MONITORING:

You can set the baby unit to transmit for 5 seconds every 5 minutes, also when the baby unit is not detecting any sound.

1. press 4x the **(MENU)** button; the words *[AUTO MON]* will appear
2. press the **(▲)** button to enable this function (*[ON]* in the display) or press the **(▼)** button to disable this function (*[OFF]* in the display)
3. press the **(MENU)** button to save your setting

## ATTENTION TONE:

You can set the baby unit to first send an attention tone each time the unit starts transmitting. This signal distinguishes itself from any other signals you might be receiving.

1. press 5x the **(MENU)** button; the word *[CA]* will appear
2. press the **(▲)** button to enable this function (*[ON]* in the display) or press the **(▼)** button to disable this function (*[OFF]* in the display)
3. press the **(MENU)** button to save your setting

Remark: these tones are NOT added to the beep tones transmitted for checking the connection.

## EXTERNAL MICROPHONE:

You can connect an external microphone with a 2.5mm plug to the right side of the baby unit. This will automatically disable the baby unit's built-in microphone.

You can use this function to e.g. monitor a space where you cannot place the baby unit itself.

# USER TIPS

## **GENERAL:**

- \* Only use the baby unit as an additional peace of mind, it can never serve as a replacement for an adult or human and baby sitter.
- \* Before every use, always check whether the baby unit is functioning correctly.
- \* You are not required to have a license for the use of this baby intercom. The system can be freely applied in any domestic situation. However, an interference-free signal transmission cannot always be guaranteed.
- \* When the unit is not in use, please always switch it off.

## **PLACEMENT TIPS:**

- \* Do NOT place the baby unit in the bed with the baby, but maintain a minimal distance of 2 meter between the baby and the baby unit. Make sure the baby cannot touch the adaptor cable.
- \* Do not expose the baby-unit or parent-unit to direct sunlight or humid areas.

## **POWER SUPPLY:**

Only use the supplied adaptor. Connecting power adaptors other than the supplied adaptors can cause damage to the electronics of the baby unit.

## **RADIO CONNECTION:**

- \* The DBX-93 is a transmitter working with radio waves on the 446 MHz band. Its signal transmission can be affected by external influences such as other radiophones, transmitters, wireless phones, etc. When your radiophone is being interfered with or causes interference, simply changing the channel usually solves this problem.
- \* The baby unit has an effective range from up to 3Km. This range can be affected by local conditions such as high buildings, high voltage posts and overhead wires. An optimal range is achieved when the baby unit has a clear sight of the receiver.



- \* The use of this baby unit is permitted in all the countries of the EU. If you want to bring the DBX-93 to countries outside the EU, you should consult the local restrictions on the use of PMR446 equipment.
- \* Don't forget that the signal of the baby unit can also be heard by another 446 MHz baby monitors, radiophones or receivers other than yours.
- \* Never use the baby unit outdoors during thunderstorms.

## **SERVICE & MAINTENANCE:**

- \* Only clean the baby unit with a moist cloth. Always remove the adaptor from the wall socket before cleaning.
- \* Prevent water and/or sand from penetrating the baby unit.
- \* Modifying the electronics or antenna of the baby unit in any way is not permitted. Servicing must be performed by professional service personnel.

## **ENVIRONMENT:**

- \* When discarding your radiophone, please return it to your dealer. They can guarantee environment-friendly disposal.



## **TECHNICAL SPECIFICATIONS**

Operating frequency:	446.00625 MHz to 446.09375 MHz (8 channels, 38 sub-channels)
RF power:	< 27 dBm
Channel separation:	12.5 KHz
Power supply:	9V / DC / 300mA, via adapter
Range:	Up to 3Km

# **TROUBLESHOOTING**

In case of any problems, always check first whether the DBX-93 does work correctly on a different location. When suspecting a fault, always verify the correct operation and settings of your babyphone as well.

## **No function:**

- the adaptor of the baby unit is not connected to a wall socket or this wall socket is not providing power, please check this

## **Weak or no reception:**

- incorrect setting of channel or sub-channel (the baby unit and babyphone must be set to the same channel, with the same sub-channel)
- the distance between the transmitter and receiver is too large, please reduce the distance

## **Noise:**

- presence of other transmitter, please change the channel
- interference from other devices, turn these devices off (if possible)

## **High whistle:**

- the transmitter is too close to the receiver or the volume of the receiver is set too high, please increase the distance or decrease the volume

If you cannot resolve the issue with the above suggestions, please remove the batteries from the radio and the baby unit after several minutes. If this still doesn't resolve the issue, please contact Alecto customer service on the phone number 073 6411 355

# **DECLARATION OF CONFORMITY**

Hereby, Hesdo declares that the radio equipment type Alecto DBX-92 is in compliance with directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [doc.hesdo.com/DBX-92-DOC.pdf](http://doc.hesdo.com/DBX-92-DOC.pdf)

# WARRANTY

Name:

Attach here

Address:

your receipt

Post code:

or voucher

City:

Tel:

For the Alecto DBX-93 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 Hesdo at: [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. The warranty does not cover connecting cables, plugs and batteries.

All further liability, especially concerning any consequential damages, is excluded.

# Alecto®

Service



Help



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