

# LABEX™ COMFORT EL

## USER MANUAL



## **OVERVIEW**

### **1. What is Labex Comfort**

Labex Comfort is a digital electrolarynx device. It is specially designed to help laryngectomees talk. Its main feature is the two configurable talk buttons.

Labex Comfort is a CLASS I medical device.

General principle of operation for all models electrolarynges manufactured by Labex Trade Ltd.:

The digital electrolarynx produces mechanical vibrations with a low sound frequency between 60-195 Hz. Applied to the neck, these vibrations create trembling in the oral cavity similar to the human voice.

The combination of starting and stopping sound vibrations and oral articulation creates comprehensible human speech.

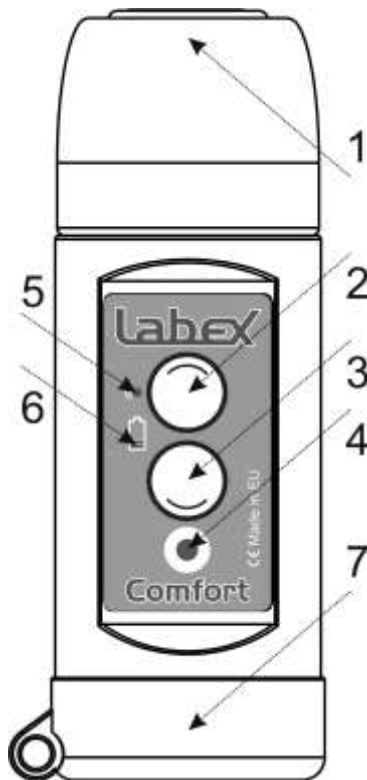
### **2. In the box**

In the box, you will find everything you need to start using the device:

- Labex Comfort electrolarynx device;
- 2 batteries 9v rechargeable Li-Io;
- Two socket charger;
- „Labex“ lanyard;
- User manual;
- Warranty card.

7) Battery cover – Used to secure the battery inside the device

**NOTE:** The actuator buttons are sensitive. They require about 160 grams of force to make contact. Please avoid pushing them with extreme force. Doing so could damage your device.



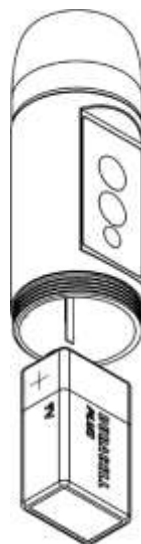
## GETTING STARTED

### 4. Basic use

You must insert the battery into the device in order to turn it on. Take one of the two, included in the package, batteries and carefully remove the transparencies. Swivel the bottom cap of the device. Insert the battery by ensuring that the "+" and "-" signs of the battery and the device match. Swivel the bottom cap back.

**NOTE:** Inserting the battery incorrectly will not damage the device, but it will not work.

When the Top cap of the device touches the throat skin and you press the Speech Button, the device starts to emit sound. This allows the proper function of the product.



### 5. Finding the sweet spot

A sweet spot is a place where you feel the sound from the electrolarynx transmits through your neck tissue and your oral cavity with the most clarity. The easiest way to find your sweet spot is to place the electrolarynx on your neck in different positions and actuate the sound while you are pushing the START button. What you are looking for is the place on your neck, which transmits sound the best. While looking for a sweet spot, it is crucial that you press it firmly against your neck tissue, so the sound transmits through your tissue and out your oral cavity. **Take your time finding your sweet spot** – this is the most crucial part of learning to use an electrolarynx. Finding just the right place will set you up for success.

### 6. First Words

After you have pinpointed the desired spot, you can start making some basic sounds. Focus on single vowels first. Over-articulate every sound with your mouth until you feel comfortable with all the vowels. After that, you can start practicing short words. Slowly work your way up to sentences and conversation.

For a more detailed guide, please check our article:

<https://labextrade.com/tips-for-using-electrolarynx/>

## 7. Expectations

Sometimes learning to speak with an electrolarynx device is not easy. Think of it as learning to play a musical instrument. It will take time, practice, and patience.

In some cases, talking can be achieved in a month, in other cases it can take only 3 days.

## SETTINGS

### 8. How to change the volume

You can adjust the volume of each button individually. To do so, follow this procedure:

- Press and hold the talk button you wish to adjust the volume of (TALK button 1 or TALK button 2).
- While holding your desired talk button, press and hold the SETTINGS button.
- Keep both buttons pressed. The sound will stop, and the red LED will start blinking.
- After a few seconds, the device will start buzzing on its own. Release all buttons. The device is now in "Volume setup mode."
- You can now use TALK button 1 to increase the volume, or TALK button 2 to decrease the volume.
- After you reached your desired volume, press the SETTINGS button to confirm, the device will automatically save your desired volume.

**NOTE:** You can choose different volume for each TALK button.

### 9. How to change the pitch

You can adjust the pitch of each button individually. To do so, follow this procedure:

- Press and hold the SETTINGS button.
- While holding the SETTINGS button, press and hold the TALK button, you wish to change the pitch of (TALK button 1 or TALK button 2).
- Keep both buttons pressed. The sound will stop, and the red LED will start blinking.
- After a few seconds, the device will start buzzing on its own. Release all buttons. The device is now in “Pitch setup mode.”
- You can now use TALK button 1 to increase the pitch, or TALK button 2 to decrease the pitch.
- After you reached your desired volume, press the SETTINGS button to confirm, the device will automatically save your desired pitch.

**NOTE:** You can choose a different pitch for each TALK button.

## 10. How to revert to the factory settings

If you feel you want to revert the device to its factory default volume & pitch follow these steps.

- 1) Press and hold all the buttons at the same time (TALK button 1, TALK button 2 and SETTINGS buttons).
- 2) The red Battery Indicator LED will start blinking. Continue to hold all the buttons until the Battery Indicator LED stops blinking and lights up in solid red.
- 3) When the Battery Indicator LED turns solid red, release all the buttons and wait 3-4 seconds. All the settings have been reset to factory default.

Check our website for video tutorials.

## BATTERY

### 11. Low battery

Labex Comfort has a built-in battery indicator, which will warn you when the battery level gets low. When the battery goes down to 20%, the

Battery Indicator LED will start blinking after every release of a speech button. When the battery drains down to 10%, the Battery Indicator LED will light up in solid red. At this point, you should replace your battery with a fully charged one.

## 12. Different batteries

There are two high capacity Li-Io batteries included with your Labex Digital. This will allow you to have always a fully charged battery on hand. However, Labex digital is compatible with all 9V batteries on the market – rechargeable or non-rechargeable.

## 13. Charging the battery

After you pull out your drained battery, you should charge it with the included intelligent charger:

- 1) Put the battery inside the charger while minding the “+” and the “-”.
- 2) Put the charger into an electrical socket.
- 3) The corresponding red LED will light up, meaning the battery is currently charging.
- 4) The red LED will turn off when the battery is fully charged.

**Note:** The included intelligent charger will NEVER overcharge your batteries. Each battery life is more than 500 recharge cycles.

**WARNING:** Do not try to charge ANY other kind of battery with the charger! The charger is designed ONLY for Li-Io (Lithium-Ion) batteries! Trying to charge any other kind of battery will result in permanent damage to the battery and the charger!

**Note:** If you find that the battery in your device can not hold a charge for more than one hour of use, there is a possibility that the battery you are using is near the end of its life cycle. If this happens we advise you to recycle this battery and get a new one.

## **CARING FOR YOUR DEVICE**

### **14. Cleaning and maintenance**

Since the device is in constant contact with the skin and other surfaces, it should be cleaned at least once every 24 hours. For the best hygiene practices, the following procedure should be followed:

- Clean the outside surfaces of the device with a slightly wet soft microfiber cloth.
- After cleaning all the surfaces, you can disinfect the device by applying a small amount of disinfectant gel or alcohol. Alternatively, alcohol wipes can be used.
- Wipe the device with a soft microfiber cloth again.

### **15. Water resistance**

Labex Comfort can withstand being used in the rain or cleaned with a wet cloth. However, submerging the unit in water will damage the device and will void your warranty.

### **16. Contact information**

#### **LABEX TRADE LTD.**

59 Sankt Peterburg Blvd., Floor 6, Office 604

4017 Plovdiv, Bulgaria, European Union

T: +359 32 54 9090, M: +359 878 616 711

Information & orders:	<a href="mailto:sales@labextrade.com">sales@labextrade.com</a>
After-sales support:	<a href="mailto:support@labextrade.com">support@labextrade.com</a>
Website questions:	<a href="mailto:admin@labextrade.com">admin@labextrade.com</a>
For more information visit	<a href="https://labextrade.com">https://labextrade.com</a>



## 17. Technical specifications

General:	
Adjustable tone	Yes
Adjustable volume	Yes
Speech button	2
Settings buttons	1
Frequency range	55 - 155 Hz
Volume range	60-83 dB
Speech time	Up to 4 h. per charge
Physical:	
Diameter x Length	Ø34 x 98 mm
Weight	72g without battery
Dust / Moisture resistive	Yes
Battery:	
Capacity	600 mAh
Battery type	Rechargeable 9V 6F22 Li-Ion
Batteries in the box	2 pcs
Battery life	More than 500 recharge cycles
Chargins station in the box	2 slots 9V Li-Ion
Charging time from 0 to 100%	4h 30 min with Labex charger
Protection	Smart electronics

## INFORMATION

### 18. Warnings

- **Do not submerge the device underwater.** Do not wash the device under running water. This will potentially damage the device.
- **Do not try to disassemble** the device under any circumstances. This will permanently void your warranty.
- **It is recommended not use any third-party chargers** or rechargeable batteries. Use the original ones provided in the box. Using any other charging equipment could potentially damage the battery or the device.
- Do not insert any part of the electrolarynx or any accessories into the stoma.
- Do not burn or physically damage the battery.
- Do not short-circuit a cell or battery.
- The device contains a strong magnet that may interfere with pacemakers or other implantable devices. Consult with your physician before use.

**Please note** that due to the nature of the electrolarynges and the principle of their use, the device is not intended to be used by multiple people, shared use, and second-hand use. Due to the contact of the device to the user's neck, stoma, or other cavities - the device is **for personal use only!** Once a person has used the device, it should not be used by anyone else. Because of this fact, the included warranty provided by Labex Trade Ltd. is **non-transferable**.

### 19. Safe storage:

- Store in a dark and dry place.
- Store the device and its accessories in its original box.
- Store in temperatures between -20°C to +45°C.

## 20.Warranty

All Labex devices come with a limited 2-year warranty from the date of purchase. The warranty period of a replacement electrolarynx or part lasts as long as the remaining warranty of the original electrolarynx.

This Limited Warranty covers any defects in material or workmanship under normal use according to the User Manual during the Warranty Period.

Trying to open or repair the device; causing extensive shock damage (dropping it, hitting it against other objects, etc.); or liquid damaging it (submerging in water or other chemicals) will void your warranty.

During the Warranty Period, Labex Trade Ltd. will repair or replace, at no charge, products or parts of a product that prove defective because of improper material or workmanship, under normal use and maintenance. This Limited Warranty is not transferable.

**This Limited Warranty does not cover any problem that is caused by:**

- Conditions, malfunctions or damage not resulting from defects in material or workmanship.
- Conditions, malfunctions or damage resulting from negligence, improper maintenance or modification.
- Damaged or destroyed by natural causes including but not limited to lightning, flood, or another natural disaster - Theft or loss of the EL.

Shipping charges as well as the risk of loss or damage to the electrolarynx while in transit to Labex Trade Ltd are taken care of by the customer. The back shipping is covered by the Company.

**Please read the warranty card.** To learn more about the Labex warranty, please visit <https://labextrade.com/warranty-policy/>

If you have any problems with your device, contact your distributor or contact us directly <https://labextrade.com/contacts/>

## **21.Information on Disposal for Users of WEEE:**

This symbol on the product box and/or accompanying documents means that used electrical and electronic equipment (WEEE) should not be mixed with general household waste. For proper treatment, recovery, and recycling, please take this product(s) to designated collection points where it will be accepted free of charge. Alternatively, in some countries, you may be able to return your products to your local retailer upon the purchase of an equivalent new product. Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.

For professional users in the European Union, if you wish to discard electrical and electronic equipment (EEE), please contact your dealer or supplier for further information.

For disposal in countries outside of the European Union: This symbol is only valid in the European Union (EU). If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.