

LOREca Hearing Test — User Guide

A complete walkthrough of every feature in the LOREca Hearing Test web application, what it does, and exactly how to use it.

Live URL: <https://www.loreca.com/hearing-test/>

Table of Contents

1. [Quick Start \(for visitors\)](#)
 2. [Taking the Hearing Test](#)
 - [Step 1 — Splash & Loading](#)
 - [Step 2 — Watch the Intro Video](#)
 - [Step 3 — Choose Your Language](#)
 - [Step 4 — Enter Your Details](#)
 - [Step 5 — Consent Notice \(Turkish users only\)](#)
 - [Step 6 — Read the Instructions](#)
 - [Step 7 — Calibrate Your Microphone \(Noise Meter\)](#)
 - [Step 8 — Take the Test](#)
 - [Step 9 — View Your Audiogram](#)
 - [Step 10 — Download Your PDF Report](#)
 3. [Find a Nearby Specialist](#)
 4. [Change the Language Mid-Session](#)
 5. [Register Your Business \(Stores / ENT / Hospitals\)](#)
 6. [Admin Guide — Super Admin](#)
 7. [Admin Guide — Sales Admin](#)
 8. [Troubleshooting](#)
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1. Quick Start (for visitors)

You want to...	Go to
Take the hearing test	https://www.loreca.com/hearing-test/
Find a nearby hearing aid store	The drawer menu → Nearest Stores

Find an ENT specialist	The drawer menu → Nearest ENT
Find a hospital	The drawer menu → Nearest Hospitals
Register your hearing aid store	The drawer menu → Add New Store
Log in as Admin	The Language Selection screen → tap the Admin Login button (top-right)

Browser requirements:

- Modern Chrome, Edge, Safari, or Firefox
- Microphone permission (required for the noise calibration step)
- Location permission (optional — only for "Nearest" lookups)
- Headphones strongly recommended for the hearing test

2. Taking the Hearing Test

Step 1 — Splash & Loading

When you open <https://www.loreca.com/hearing-test/>, you'll see the **LOREca logo** with a loading indicator while the app initializes. This usually takes 2–5 seconds. No input needed.

Step 2 — Watch the Intro Video

A short instructional video explains what the test involves. You can:

- **Play / pause** with the video controls
- Skip to the language picker by tapping **Next** at the bottom

Step 3 — Choose Your Language

You'll see a grid of six language options, each with its country flag:

- GB **English**
- TR **Türkçe**
- DE **Deutsch**
- CN **中文**
- RU **Русский**
- SA العربية

Tap the language you want. The whole app — text, voiceovers, and PDF report — will switch to your selected language.

Tip: If you ever want to switch languages later, open the drawer menu (☰ top-left) and tap **Change Language**.

Step 4 — Enter Your Details

A form will ask for:

Field	Required	Notes
Full Name	Yes	
Age	Yes	Numbers only
Phone Number	Yes	Includes country code picker
Email Address	Yes	The PDF report can be sent here
Address	Yes	Street or full address
City	Yes	

Tap **Next** when done. Validation errors are shown in red below each field.

Step 5 — Consent Notice (Turkish users only)

If you chose **Türkçe**, a KVKK (Turkish data protection) consent dialog appears. Read the notice, then tap **I Accept** to continue. Other languages may show a GDPR notice instead.

Step 6 — Read the Instructions

A short slider explains what's about to happen:

- Put on headphones
- Find a quiet room
- Listen carefully and tap the screen when you hear a beep

Swipe through the cards and tap **Got it** at the end.

Step 7 — Calibrate Your Microphone (Noise Meter)

Your browser will ask for **microphone permission** — tap **Allow**.

A dB meter appears showing your room's ambient noise level. Look for a reading **below 40 dB** for best results (a quiet living room is around 30 dB). The screen advances automatically after a few seconds.

If the meter fails: Tap **Continue Without Calibration** to skip — but expect slightly less accurate results.



Step 8 — Take the Test

The hearing test plays beeps at six different frequencies (250 Hz → 8 kHz) in **both ears**, one at a time. For each beep:

1. Wait until you hear the tone clearly
2. Tap the **I Hear It** button

3. The volume drops; the test repeats until your threshold is found

The chart on screen updates live:

-  **Blue X** = Left ear
-  **Red circle** = Right ear

Each ear takes about 2–3 minutes. **Don't remove your headphones during the test.**

Step 9 — View Your Audiogram

When both ears are tested, you'll see your full audiogram. The chart shows:

- The X-axis = frequency (low to high pitch)
- The Y-axis = hearing threshold in decibels (lower = better)
- Colored bands indicate hearing categories: Normal, Mild, Moderate, Severe, Profound

A summary describes which frequencies (if any) show hearing loss.

Step 10 — Download Your PDF Report

Tap **Export PDF** to download a printable report. The PDF includes:

- Your personal details
- Your audiogram chart
- Per-ear hearing profile (normal / mild / moderate / severe per frequency)
- Recommendations
- Legal notices

Note: The PDF is sized for thermal-receipt printers (roll80) — it prints as a tall, narrow ticket, just like the mobile app version.

3. Find a Nearby Specialist

After (or even during) the test, open the **drawer menu** (☰ top-left) for three location-based lookups:

Nearest Stores

1. Tap **Nearest Stores**
2. Browser asks for **Location permission** → tap Allow
3. A list shows verified LOREca dealers within ~10 km, sorted by distance
4. Tap any entry to see:
 - Full address
 - Phone, email, website

- **Get Directions** button — opens Google Maps with turn-by-turn navigation from your current location

Nearest ENT

Same flow, but lists ENT specialists / clinics.

Nearest Hospitals

Same flow, but lists hospitals.

4. Change the Language Mid-Session

You don't have to restart to switch languages.

5. Open the drawer menu (☰ top-left)
6. Tap **Change Language**
7. Pick a new language from the grid

The change applies immediately to all visible text. Any in-progress test will continue from where you were.

5. Register Your Business (Stores / ENT / Hospitals)

If you run a hearing aid store, ENT clinic, or hospital and want to appear in the "Nearest" lookups:

1. Open the drawer menu (☰)
2. Tap **Add New Store**, **Add New ENT**, or **Add New Hospital**
3. You'll be redirected to a login screen — **create an account** or **log in** if you already have one
4. Fill in:
 - Business name
 - Address (with map picker — drag the marker to your exact location)
 - Phone, email, website
5. Submit

Your listing enters **Pending Approval** status. A Super Admin will review and either approve or reject within a few business days. Approved listings appear in user lookups immediately.

6. Admin Guide — Super Admin

Super Admins manage business listings, users, and the intro video.

Logging In

1. From the **Language Selection** screen, tap the **Admin Login** button (top-right corner)
2. Enter your admin email + password
3. Select role: **Super Admin** (default)

Super Admin Dashboard

A three-tab interface across the top: **Store | ENT | Hospital**.

Each tab has three sub-actions:

Sub-action	What it does
Add New	Manually add a listing (form: name, address, phone, email, website, map picker)
Approve	Review pending listings submitted by businesses → Approve / Reject / Edit / Delete
View	Browse all approved listings

Drawer Menu (Super Admin)

Open the drawer (☰ top-left) for:

- **User Management** — Create or manage Sales Admin and Super Admin users
- **User Deletion Requests** — Approve account-deletion requests from end users
- **Update Video URL** — Change the intro video shown on the test landing page
- **Sale Reports** — Full sales analytics for all Sales Admins
- **Change Language** — Switch admin panel language
- **Logout**

Creating a New User

1. Drawer → **User Management**
2. Choose tab: **Sales Admin** or **Super Admin**
3. Tap **Add User**
4. Enter name, email, role permissions
5. Submit → the system **auto-generates a strong password** and **emails it to the new user**
6. The new user logs in with their email + that password

Important: Outbound emails currently go through Mailgun sandbox. Only hearingtest@loreca.com is authorized in the sandbox — other recipients will not receive the email until the production Mailgun domain is configured.

Approving Business Listings

1. From the dashboard, tap the tab for the listing type (Store / ENT / Hospital)
 2. Tap **Approve Stores** (or ENT / Hospital)
 3. Each entry shows: business name, address, phone, submitted date
 4. Tap a row to see full details → **Approve, Reject, Edit, or Delete**
 5. Approved listings move to the **View** list and become visible to end users
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7. Admin Guide — Sales Admin

Sales Admins record sales transactions.

Logging In

Same as Super Admin (Admin Login button on the Language Selection screen). The system routes you to the Sales dashboard automatically based on your role.

Sales Dashboard

- **Tabbed time periods:** Today | This Week | This Month | Last Month | All Time
- **Sales summary** by period (revenue, transaction count)
- **Floating Add button** (+ icon, bottom-right) to record a new sale

Recording a New Sale

1. Tap the + button
2. Fill in:
 - Customer name
 - Customer email
 - Customer mobile
 - Product name + category
 - Quantity
 - Unit price
 - Sale date (date picker)
3. Tap **Save**

The sale appears immediately in the dashboard list and is included in your period totals.

Drawer Menu (Sales Admin)

- **Sale Reports** — Detailed transaction history with filters
- **Change Language**

- **Logout**
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8. Troubleshooting

Microphone permission denied

The browser blocks the noise meter. To fix:

- Click the  lock icon in the address bar → **Site settings** → Allow Microphone → reload the page

Location permission denied

"Nearest" lookups won't work. To fix:

- Same as above, but enable Location.
- Or: tap **Continue** when prompted to skip location-based features.

Audio doesn't play during the test

- Check your headphones are plugged in and not muted
- Check your system volume is not at zero
- Try a different browser (Chrome works best for Web Audio API)

PDF download doesn't appear

- Check your browser's download permissions
- Try a different browser
- Make sure pop-ups are not blocked for loreca.com

Page shows old version after an update

- Hard refresh: **Cmd+Shift+R** (Mac) or **Ctrl+Shift+R** (Windows)
- Or: open in incognito / private window

Test results seem inaccurate

- Re-take in a quieter environment (target room noise < 40 dB)
 - Use over-ear headphones, not phone speakers
 - Make sure headphones are correctly placed (left = L, right = R)
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Appendix — Supported Languages

Code	Language	Region
en	English	International

tr	Türkçe	Turkey (with KVKK consent)
de	Deutsch	Germany / Austria
zh	中文	China
ru	Русский	Russia
ar	العربية	Arabic regions (RTL layout)

All UI text, drawer labels, button text, error messages, and the PDF report are fully translated. Arabic switches the layout direction to right-to-left automatically.

For technical support or feature requests, contact: hearingtest@loreca.com