



Loewe **leo**

Wireless ANC headphones

Superior 50 mm drivers with advanced diaphragms and powerful amps

Sophisticated AI features with integrated voice assistant and smart voice translation

Active Noise Cancelling (ANC) system with adaptive response

Support of major audio technologies including high-resolution audio, Dolby Atmos and Spatial Audio

Latest Bluetooth technology with LE Audio and multi-device pairing

Best wearing comfort with interchangeable headband and ear cushions



LOEWE. was established by the Loewe brothers as Radio Frequenz GmbH in Berlin in 1923. Today we still design, develop and produce consumer electronics – Made in Germany.

Data sheet
Loewe **leo**
April 2026

LOEWE.
Home of Excellence.

www.loewe.tv



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Made to outperform.

Experience exceptional sound clarity with high-performance 50 mm drivers featuring an advanced OCE diaphragm, paired with the renowned Texas Instruments OPA1622 SoundPlus™ amplifier. Engineered for high stiffness and optimized internal damping, the OCE diaphragm reduces unwanted resonances and distortion for a cleaner, more controlled sound signature.

With ultra-low Total Harmonic Distortion plus Noise, this precision-driven setup delivers crystal-clear highs, deep and controlled bass, and a rich, immersive soundstage. Premium-grade components throughout ensure pure, true-to-source audio reproduction exactly as the artist intended.



Adaptive Noise Cancellation.

Immerse yourself in pure sound with advanced Active Noise Cancellation. Intelligent ANC continuously monitors your surroundings and adapts in real time to effectively minimise ambient noise whether you are commuting, working or travelling.

The adaptive system precisely balances noise reduction and acoustic performance, maintaining clarity, depth and detail at all times. The result is a consistently comfortable, distraction-free listening experience without compromising sound quality.



Designed for highest wearing comfort.

Crafted for extended listening sessions, Loewe leo headphones combine exceptional comfort with refined craftsmanship. A lightweight construction, plush memory foam ear cushions and an ergonomic over-ear design ensure a natural, perfectly balanced fit.

Soft genuine leather enhances the tactile experience, while precision-milled anodised aluminium elements provide durability and a cool, sophisticated touch. Carefully selected premium materials and thoughtful engineering guarantee lasting comfort no matter how long you listen.



Intuitive user interface.

Navigate your sound experience with precision and effortless control. The intuitive user interface features two finely engineered control wheels crafted from anodised aluminium, complemented by dedicated action buttons for immediate access to volume, playback and key functions - all without interrupting your listening flow.

Every element is thoughtfully positioned for tactile feedback and seamless operation, ensuring smooth, intuitive control at your fingertips.



Sustainable design. Built to last.

Loewe leo is designed with sustainability at its core. The modular structure ensures users can replace components like the battery, which has a long lasting play time of up to 65 hours, the magnetic cushions or the headband, significantly reducing electronic waste.

Durable materials such as anodized aluminium and genuine leather enhance longevity, while a service deck simplifies maintenance, aligning with Loewe's commitment to creating lasting, repairable products.



Bluetooth LE Audio and multi-device connection.

Stay connected with modern Bluetooth LE Audio for efficient power consumption, reliable wireless performance and a smooth listening experience. Loewe leo can be paired with several devices at the same time and lets you switch easily between your smartphone, tablet and laptop, so your audio follows you wherever you work or relax. Fast to set up and comfortable in daily use, it keeps your wireless experience seamless across all your devices.

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Smart AI companion.

Loewe leo enhances your everyday listening experience with intelligent, voice-powered features built into the Loewe leo app. Use your voice to capture quick notes, organise ideas, or get helpful information such as weather updates and general knowledge. With integrated voice-based translation, simply say what you would like translated and receive the result instantly in your chosen language. Designed to be intuitive and ready whenever you need it, Loewe leo becomes a natural extension of your day, combining sound, convenience and smart assistance in one seamless experience¹.




Real materials.

From the very first moment, Loewe leo envelops you in refined luxury. Designed in Germany by the Loewe inhouse Design Studio, it reflects a clear design philosophy defined by precision, craftsmanship and timeless aesthetics.

A lightweight yet exceptionally robust construction ensures lasting comfort without compromising durability or structural integrity. From precision-crafted anodised aluminium to soft, genuine leather, every material is carefully selected and meticulously finished to create a truly premium listening experience. The intuitive dual-dial system integrates seamlessly into the design, delivering precise, effortless control with every interaction.

Support of major audio technologies.

Loewe leo is designed to deliver outstanding sound quality across today's most widely used audio standards, including support for high-resolution audio playback and Dolby Atmos with compatible content and devices. It also features Mimi Hearing Technologies' Sound Personalization for Headphones to adapt audio to your individual hearing profile. In addition, Loewe leo supports Spatial Audio experiences with compatible sources and is Apple MFi certified for seamless integration into the Apple ecosystem. Modern Bluetooth technology ensures a stable wireless connection, efficient power consumption, and reliable listening performance over distances of up to 10 meters.

	Model	Article
 moonlight beige	leo	64641
 midnight blue	leo	64641
 horizon bronze	accessory kit	64644

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Achievements



“Loewe leo Headphones embody technical innovation, durable quality and outstanding design.”

International Forum Design, spring 2026, about Loewe leo
iF DESIGN AWARD 2026



reddot winner 2026
best of the best

“Loewe leo achieved 100 points and thus the maximum possible score, being awarded as ‘best of the best’ with the highest distinction.”

Red Dot, spring 2026, about Loewe leo
reddot winner 2026 best of the best



“The Loewe leo delivers outstanding sound quality, which is particularly impressive for its clear and balanced character.”

computerbild.de, 12.01.2026, about Loewe leo (model year 2025)
Test result: VERY GOOD



“The detail resolution was consistently top-notch. In the mid-range, the vocal reproduction was completely natural, enveloping the ears like a warm blanket. Down below, the bass laid down a precise foundation. The low notes hit the rhythm with pinpoint accuracy and definition – world-class!”

AUDIO stereoplay magazine, 12.04.2026, about Loewe leo
Test result: OUTSTANDING

Loewe leo

Wireless ANC headphones

Complete delivery



Valuable gift box with original slip case and cover according to model colour. Including printed quick start guide.



Two-in-one hard case made of felt wool and applicable as flip-over display stand with magnetic fixation.



Complete set with hard case, leather pouch and adapter cables with gold plated connectors in separate pocket.



Genuine leather pouch matching the color of the headphones cushions for protected transport in daily use.

Optional accessory kit



Accessory kits in horizon bronze with magnetic exchangeable headband cushion and ear cushions.



Loewe leo in horizon bronze.

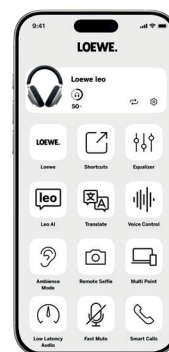
Setup and app



Start your setup journey



Download & discover the Loewe leo app



Loewe leo app for iOS and Android with app store

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Loewe leo app

App Store

Download more apps, functions and features.

Loewe

Visit the Loewe website.

Shortcuts

Set most-used commands for instant control.

Equalizer

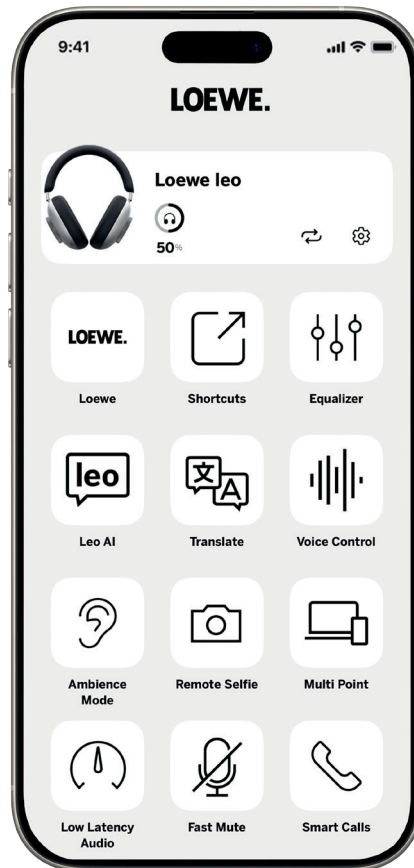
Fine-tune the sound with custom EQ.

Leo Assistant²

Activate the assistant and ask him anything.

Voice Control

Manage the headphones with voice control.



Ambience Mode

Switch between ANC and Transparency mode.

Spatial Audio

Immersive 3D soundscape or classic stereo.

Multipoint

Connect with multiple other devices.

Low Latency Audio

Perfectly synced sound in games and movies.

Fast Mute

Mute the microphone instantly.

Personal Sound

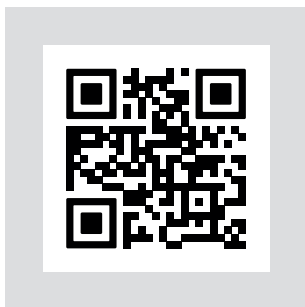
Sound personalization with Mimi hearing test.

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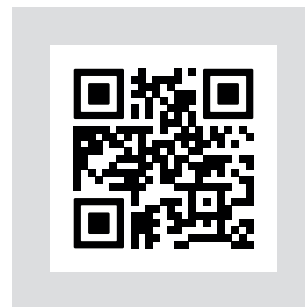
Wireless ANC headphones

Additional information

www.loewe.tv



my Loewe app



Your Loewe contact

We are happy to help personally.

Our Loewe Customer Care Center is here for you:
Monday to Friday 09:00 – 17:00 o'clock
ccc@loewe.de | 0049 9261 99 500

Your Loewe dealer

Loewe leo

Wireless ANC headphones

Technical data

Loewe headphones

leo

Audio (acoustic)

Frequency range (ca. Hz) @ ±3 dB	20-20.000
Sound pressure level (ca. dB) @ 1m, pink noise, max. vol.	acc. to §
Orientation front / side / up / rear firing	over-ear
Acoustic speaker concept	vented headphone
Channel configuration	2.0 (stereo)
Driver total amount	2
Driver active	2 (50 mm, OCE - olefin composite elastomer)

Audio (electric)

Frequency range (ca. Hz) @ ±1 dB	20-20.000
Integrated power amplifier	TI OPA1622 SoundPlus™
Bass and treble control / loudness / night mode	● (via app)
Dolby Audio / Digital / Digital Plus / Volume / Atmos / Atmos Music	optimized for Dolby Atmos

General features and interfaces

Status LED	● (RGB)
my Loewe app / smart apps (all: Android + iOS)	● / ●
Voice control by Alexa Skills	● integrated
Software update (via USB / Internet)	● via BT / via app
USB / USB music player	● / ● (USB audio device)
Bluetooth / Bluetooth music player	● / ●
Microphone	● 5 (hands-free phone, ANC)
Analogue audio jack in (3,5 mm stereo)	● (via adapter cable)

Headphone specific features

ANC / transparency mode / adaptive mode	● / ● / ●
Loewe app / app store	● / ●
AI based comfort features ¹ / account / subscription	○ / ○ / ○
Voice assistant	●
Mimi Hearing Technologies	● (Sound Personalization for Headphones)
Apple MFi certified	●
Configurable action buttons	●
Carrying pouch / leather	● / ●
Replacable headband cushion / ear cushions	● / ●
Replacable battery	○ (via service)
Bluetooth standard	5.3
Bluetooth power (mW)	<4 (range approx. 10m)
Bluetooth frequency range	2400-2483,5 MHz
Bluetooth protocols	A2DP, AVRCP, AVDTP, AVCTP, GAVDP, HFP, HID, HSP, LE Audio
Supported audio formats	SBC, AAC, LC3

Mobility

Battery type	3,7V / 660mAh
Playing time (ca.)	45h (ANC on) / typ. 65h (ANC off)
Charging time	typ. 2h
Charging current	660mA
Charging power minimum request	2,5W
Charging power for max. speed	3,75W
Water and dust protection	IP53
Ambient temperature while in operation	0-40° C
Relative humidity (non-condensing)	20-90%

Dimensions

Weight (ca. g)	360
W* x H x D (ca. cm)	min.: 19 x 19 x 4,5 / mid.: 18,5 x 15 x 8,5 / max.: 20 x 16,5 x 8,5

Scope of Delivery

Manual / power cord	● (quick start guide) / USB-C cable
Other cable	leather pouch, hard case, cable pocket, AUX > USB-C cable

Optional accessories

Selection of recommended extras	Loewe leo accessory kit: horizon bronze
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● = available, ○ = optional, — = not available

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¹ AI features enabled in collaboration with Bragi and OpenAI.

² 1 year free usage. Afterwards subscription for 7,99 € per month.