



SMART SILENT LAB HEADPHONES

Audio wireless communication

Kit code **HLGSSL3-30**

The kit includes:

30 headphones **HLGSSL3-CF**

Transmitter **HLGSSL3-TX330**

Recharging trolley **HLGSSL3-TR30**

Smart Silent Lab is the wireless audio solution designed by HELGI to radically transform the learning experience in classrooms and labs.

Inspired by the silent disco concept, this technology allows teachers to communicate clearly, directly, and personally with the entire class, with selected student groups, or with indi-

vidual learners—simply by wearing a radio-frequency microphone included in the kit.

Smart Silent Lab is part of HELGI's vision for a more technological, inclusive, and engaging school. It offers a concrete response to the needs of modern teaching, where clear and personalized communication is the key to effective learning.





Smart Silent Lab in Language Labs

The sound that makes a difference

Smart Silent Lab wireless headsets revolutionize the experience in language labs by delivering clear audio free from background noise. Thanks to the three transmission channels, teachers can divide the class into independent groups and run multiple activities simultaneously—such as guided conversations, listening exercises, or speaking practice. Each student receives the audio directly through the headset, promoting focus and active learning..

With a built-in battery and fully wireless transmission, the headsets can be used in any space, with no need for installation or cabling. The system can be further enhanced with a dedicated trolley, designed to transport and charge up to 30 headsets at once, making daily use easy and efficient.



For Educational Video Viewing

Clear, distraction-free audio

When projecting educational videos in the classroom, listening is just as important as watching. With Smart Silent Lab headsets, the computer's audio is transmitted directly to the students in real time, delivering clear and stable sound. Thanks to the system's built-in microphone, the teacher can comment, guide the viewing, or translate the audio without interruptions—creating a more engaging and interactive learning experience.

This approach allows for effective use even in shared spaces or adjacent classrooms, without generating noise. All sound stays within the headphones, helping to maintain a calm and professional environment, even during multimedia-intensive activities. A simple yet powerful solution to bring cinema, documentaries, and video into everyday teaching.



For Outdoor Lessons and Inclusion

Freedom and Accessibility

Learning doesn't have to be confined within four walls. Thanks to the built-in battery and wireless technology, Smart Silent Lab headsets let you take the lesson anywhere—in the schoolyard, garden, gym, or alternative learning spaces. The system operates wirelessly and with extended battery life, enabling long sessions in total freedom.

This flexibility is especially valuable for inclusion of students with special educational needs (SEN) and specific learning disorders (SLD). Students benefit from direct, adjustable audio free from external interference. The teacher's voice comes through clearly, even from a distance, enhancing focus and participation. Smart Silent Lab becomes a powerful tool to ensure equal learning opportunities for every student, in any environment.



For Conferences and Translations Barrier-Free Communication

At conferences, seminars, and international events, clear audio is essential to ensure full understanding of the content. Smart Silent Lab headsets provide high-quality wireless transmission, eliminating background noise and allowing participants to focus fully on every speaker. With three available channels, the system can also manage simultaneous translation in multiple languages, delivering a fast and effective interpreting service that makes the event truly accessible to all.

The built-in battery and wire-free setup allow for use in any environment—including temporary venues or mobile events—without complex installations. An optional trolley for headset transport and charging ensures practicality and organization, simplifying event logistics from start to finish.



For Exams and Testing Focus and Clarity

During classroom tests, exams, or standardized assessments such as INVALSI, student concentration is key. Smart Silent Lab headsets deliver direct, noise-free audio, enabling students to follow instructions and audio prompts with maximum clarity. Thanks to separate transmission channels, teachers can manage different groups or test versions with ease, streamlining the exam process.

Smart Silent Lab is also a valuable inclusive tool: students with SEN or SLD benefit from personalized audio, adjustable volume, and fewer distractions. This ensures a fairer and more accessible testing environment, improving the overall quality and equity of assessment.



For Guided Tours A Cultural Experience Without Interference

Whether in guided tours, exhibitions, or museum visits, clear and consistent audio is essential to fully engage participants. Smart Silent Lab headsets allow guides to communicate with their group in real time, delivering explanations, insights, and instructions without interference from background noise. With three available channels, it's possible to run multiple groups or languages simultaneously, ensuring a flexible and inclusive experience.

The built-in battery offers a full day of autonomy, while wireless transmission eliminates the need for cables—making the system suitable for large or outdoor spaces. With the optional trolley, transporting and charging the headsets is simple and secure, easing logistics for both guides and event organizers.



Greater Focus, More Effective Teaching

By eliminating background noise and delivering audio only to the intended listeners, the headsets promote active listening and reduce distractions. Audio is transmitted directly into students' headphones, creating an immersive and stimulating experience that enhances engagement and improves participation. Each student can fully focus on the content, while avoiding interference with lessons taking place in nearby classrooms.

Dynamic Classroom Management

Teachers can divide students into working groups, using separate channels for selective communication. This simplifies activities such as lab sessions, group work, or individual exercises, while also addressing different learning levels and special educational needs.

Working across three independent channels*, teachers can instantly decide how and whom to address. Each channel is assigned a specific LED color, clearly displayed on the headsets, allowing students to be easily grouped and recognized at a glance. This color-coded system ensures better visibility of group arrangements and activity distribution throughout the lesson.

* A 10-channel version is also available – contact the sales office for code and pricing.

Inclusion and Personalization

Smart Silent Lab is a valuable tool for supporting students with special educational needs or attention difficulties, offering direct, focused, and adjustable-volume audio to enhance their learning experience.

Flexible Use in Any Environment

Whether it's a classroom, technical lab, library, or shared space, Smart Silent Lab fits seamlessly—no permanent installations or structural modifications required. With the charging trolley, the headset set can be easily moved from one room to another, transforming any school space into a dynamic, personalized learning environment.



Easy to Use and Set Up

Smart Silent Lab headsets do not require a Wi-Fi network to operate, as they use a reliable, interference-free radio frequency system. Thanks to built-in rechargeable batteries, the kit can also be used outdoors, with no need for cables or complex setup. In addition, the headsets can receive audio signals from PCs or tablets via Bluetooth or minijack connection. This feature is especially useful during individual assessments and testing sessions (such as INVALSI exams), where personal listening activities are required.

HELGI HLGSSL3-CF Wireless Headphones

The HELGI Smart Silent Lab wireless headsets deliver high-definition audio, combining elegant design with high performance. The over-ear earcups ensure excellent fit and sound isolation, while the lightweight frame and soft materi-

als provide comfort even during extended use. With support for three audio channels and a blend of advanced technology and user-friendly operation, Smart Silent Lab headsets are perfectly suited for all educational and lab-based activities.

- » UHF/Rf System | FM Modulation
- » Frequency Response: RF 20–20,000 Hz
- » Signal-to-Noise Ratio: > 75 dB | THD: < 1%
- » Transmission: Selectable on 3 channels (10-channel version also available – contact the sales office for code and pricing)
- » Integrated Channel Selector
- » Noise Reduction System
- » Built-in Speakers | Adjustable Volume
- » Soft Over-Ear Cushions with LED Lighting
- » Connection to PC / Tablet via Bluetooth or Minijack
- » Built-in Battery: Up to 15 hours of autonomy



HLGSSL3-TX330 Transmitter

The HELGI Smart Silent Lab transmitter features a compact, modern design engineered to deliver high performance in any setting. Equipped with an SMA antenna connector, a digital display with visible frequency, and versatile connectivity options, it ensures a simple and seamless user experience.

With 3 available channels, it's ideal for managing communication with the entire class, student groups, or individual learners. Bluetooth integration enables direct connection from smartphones and tablets, expanding its range of applications. The intuitive interface allows for quick setup—even by non-expert users.



- » Transmission: Selectable on 3 channels (10-channel version also available – contact the sales office for code and pricing)
- » Audio Input: 3.5 mm jack / Bluetooth
- » Audio Mode: HD stereo
- » Operating Range: Up to 300 meters
- » Signal-to-Noise Ratio: > 75 dB
- » Distortion: < 1%
- » Secondary Input: 3.5 mm microphone jack
- » Transmission Power: 10 / 30 / 50 / 80 mW
- » Frequency Range: EU 863 MHz / USA 915 MHz
- » Audio Frequency Response: 20–20,000 Hz
- » Battery Life: Up to 7 hours
- » Charging Time: 3 hours
- » Power Supply: DC 12V



HLGSSL3-TR30 Recharge Trolley

The 32-slot trolley is designed not only to store and transport Smart Silent Lab headsets, but also to charge them efficiently. Inside, it features 16 USB-C power ports and 16 Y-split charging cables, allowing two headsets to be charged simultaneously per port.

The 32 compartments are made of soft foam to protect the headsets from impacts, while the ergonomic handle and wheels make it easy to move the trolley between classrooms.



- » External Dimensions: 79×59.5×36.5 cm
- » Slot Dimensions (holds two headsets): 13×8.5×27 cm
- » Net Weight: 26 kg
- » Headset Slots: 32
- » Power Ports: 16 USB-C
- » Protection Rating: IP56
- » Overload and Short-Circuit Protection System
- » Integrated Cooling Fan
- » LED Indicators for Headset Charging Status
- » Input: 200~240VAC, 1A, 50Hz
- » Output: 5.0V, 1A per port (16 ports)



16 USB-C power ports with Y-splitters for simultaneous charging of 32 headsets





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