WIRELESS AUDIO KIT FOR EDUCATION

Smart Silent Lab

HLGSSL3-30

30 wireless headphones, a transmitter with microphone and a charging trolley. The teacher speaks to the class, a group or one student, with no background noise.

HEADPHONES IN KIT	CHANNELS	HEADPHONE BATTERY	RANGE
30	**3*** 10-channel version on request	**8-10 hours**	**up to 300 m**

30

wireless headphones
Smart Silent Lab



THE KIT INCLUDES

- **30 wireless headphones** HLGSSL3-CF
- **Transmitter with microphone** HLGSSL3-TX330
- **Charging trolley** HLGSSL3-TR30

UHF radio frequency
No Wi-Fi needed, with a stable and interference-free signal.

Three channels and LEDs
Whole class, groups or single students, one colour per channel.

Microphone included
The teacher speaks straight into the students' headphones.

Two audio inputs
The headphones receive the transmitter and, via jack, PC and tablet audio.

Built-in battery
8 to 10 hours of use, outdoor lessons included.

Charging trolley
32 slots, simultaneous charging, easy to move between rooms.

* A 10-channel version is also available: contact our sales office for code and terms.

Wireless **audio communication**

Smart Silent Lab is the wireless audio solution designed by HELGI for schools and labs. It works like a silent disco: the teacher wears the microphone included in the kit and speaks directly to **the whole class**, to **selected groups** or to **individual students**. Everyone listens on headphones, at the volume they prefer.



Science lab



Lecture with microphone



Classroom activity

KEY BENEFITS

Better focus
Audio only reaches the people it is meant for. Students are less distracted and nearby classes are not disturbed.

Group management
With separate channels the teacher splits the class into working groups and speaks to each one when needed, even at different levels.

One colour per group
The headphone LED takes the colour of the selected channel, so the class groups can be seen at a glance.

Inclusion
Students with special educational needs or attention difficulties get direct listening at an adjustable volume.

No installation
The kit needs no fixed system or work on the room. The trolley moves it from one space to another.

Easy to use
No Wi-Fi network is needed: transmission is by radio frequency. The transmitter also receives audio from smartphones and tablets via Bluetooth, the headphones from PCs and tablets via jack.

DESIGNED FOR

- Schools of all levels
- Language labs
- Universities and training
- Conferences and events
- Museums and guided tours



LANGUAGE LABS

Listening that makes a difference

With three channels the teacher splits the class into groups and runs different activities at the same time: conversation, comprehension, speaking practice. Each student hears the audio on headphones, with no background noise.



EDUCATIONAL VIDEOS

Clear audio, no disturbance

Computer audio reaches the headphones in real time. With the microphone the teacher comments, guides viewing or translates without stopping the video. Sound stays in the headphones, even next to other classes.



TESTS AND EXAMS

Focus and clarity

During tests, exams and national assessments students follow instructions and tasks on headphones. Separate channels handle groups or different test versions. Students with special needs adjust the volume and are less distracted.



OUTDOOR LESSONS

Freedom and accessibility

With the built-in battery and wireless transmission, lessons can move to the courtyard, the garden or the gym. The teacher's voice stays clear even at a distance, a real help for pupils with special needs.



CONFERENCES AND TRANSLATION

Communication without barriers

At conferences and international events participants follow every talk without background noise. The three channels carry several languages at once. No installation needed, even in temporary venues.



GUIDED TOURS

Listening without interference

On tours, at exhibitions and in museums the guide speaks to the group in real time, even in noisy spaces. Three channels handle several groups or languages. The battery lasts a full day.

HLGSSL3-CF

Wireless **headphones**

Smart Silent Lab headphones have over-ear cups that block outside noise and a light frame, with soft materials that stay comfortable even after hours of lessons. They work on **3 channels*** and need no setup.



Folded headphones, controls



Side view

OVER-EAR CUPS
Soft, with LED

NOISE REDUCTION
S/N ratio > 75 dB

AUDIO INPUTS
Transmitter, 3.5 mm jack

BUILT-IN BATTERY
8-10 hours

THREE CHANNELS, THREE GROUPS

One colour for each group

The teacher chooses who to speak to at any time: the whole class, a group or a single student. Each channel matches an LED colour on the headphones, so the class groups are always visible.

The jack input also allows individual listening from a PC or tablet, useful in tests with listening tasks.



* A 10-channel version is also available: contact our sales office for code and terms.

HLGSSL3-TX330

Transmitter **with microphone**

The Smart Silent Lab transmitter is compact and can be worn on the body. It has a **digital display** showing the frequency in use, an **antenna with SMA connector** and **3 channels*** to speak to the whole class, a group or a single student. Besides the microphone, it receives audio via **Bluetooth** from smartphones and tablets, or via jack. Setup takes a few steps, even for non-experts.





Transmitter with headset microphone

HEADSET MICROPHONE
» Included

RANGE
Up to 300 m

AUDIO INPUTS
Microphone, Bluetooth, jack

BATTERY LIFE
7 hours, 3-hour charge



IN THE CLASSROOM

The teacher's voice reaches every student

The teacher wears the microphone and moves freely. The transmitter sends the voice to the class headphones in real time, in HD stereo.

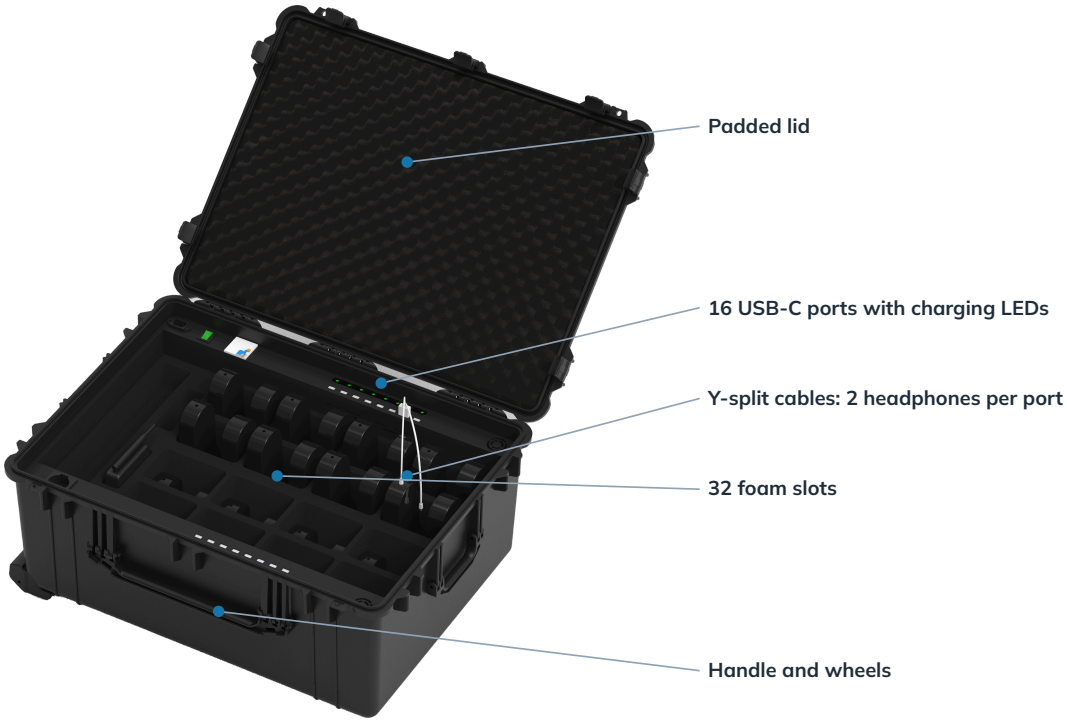
An external audio source, such as the classroom PC, connects to the secondary input to play videos and listening tracks.

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HLGSSL3-TR30

Charging **trolley**

The 32-slot trolley carries and stores the Smart Silent Lab headphones while charging them. Inside are **16 USB-C ports** with as many Y-split cables: each port powers two headphones at once. The **soft foam** slots protect the headphones from knocks, and the handle and wheels make it easy to move between classrooms.





Closed trolley



Top view, headphones charging

32	16	IP56
headphones charging at once	USB-C ports with Y-split	protection rating

Safe charging

Overload and short-circuit protection, a built-in cooling fan and LEDs showing the charging status of each headphone.

Specifications

HEADPHONES · HLGSSL3-CF

System	**UHF/RF, FM modulation**
Channels	**3* (built-in selector)**
Frequency response	**20-20,000 Hz**
S/N ratio	**> 75 dB**
THD	**< 1%**
Noise reduction	**Yes**
Speakers	**SP, adjustable volume**
Ear cups	**Over-ear, soft, coloured LED**
Audio inputs	**Transmitter (RF), 3.5 mm jack**
Controls	**ON/OFF, volume, channel**
Battery	**Built-in, rechargeable**
Battery life	**8-10 hours**

TRANSMITTER · HLGSSL3-TX330

System	**UHF/RF**
Channels	**3***
Carrier frequency	**863 MHz (EU), 915 MHz (USA)**
Frequency response	**20-20,000 Hz**
Audio mode	**HD stereo**
S/N ratio	**> 75 dB**
Distortion	**< 1%**
Transmission power	**10 / 30 / 50 / 80 mW**
Range	**Up to 300 m**
Audio inputs	**Microphone, Bluetooth, 3.5 mm jack**
Microphone input	**3.5 mm jack**
Antenna	**SMA connector**
Display	**Digital, shows frequency**
Battery life	**7 hours**
Charging time	**3 hours**
Power supply	**12 V DC**

CHARGING TROLLEY · HLGSSL3-TR30

External dimensions	**79 × 59.5 × 36.5 cm**
Slot dimensions	**13 × 8.5 × 27 cm**
Net weight	**26 kg**
Slots	**32 headphones**
Charging ports	**16 USB-C with Y-split**
Protection rating	**IP56**
Protections	**Overload, short circuit**
Cooling	**Built-in fan**
Indicators	**Charging status LEDs**
Input	**200-240 V AC, 1 A, 50 Hz**
Output	**5 V, 1 A per port**
Transport	**Handle and wheels**

Each slot measures 13 × 8.5 × 27 cm. Each USB-C port powers two headphones through a Y-split cable.

IN THE BOX

Wireless headphones HLGSSL3-CF	**30**
Transmitter HLGSSL3-TX330	**1**
Headset microphone	**1**
Charging trolley HLGSSL3-TR30	**1**

HEADPHONES IN KIT
30

CHANNELS
3*

RANGE
up to 300 m

* A 10-channel version is also available on request. Images are for illustration only. Specifications are subject to change without notice.

HELGI

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