WIRELESS AUDIO KIT FOR EDUCATION

Smart Silent Lab

HLGSSL3-30U

30 wireless headphones, a transmitter with microphone and a charging station. 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 station** HLGSSL3-CB12

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 station
12 USB ports and multi-pin cables: 30 headphones charge at once.

* 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. Headphones and transmitter can be used anywhere.

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.

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

HLGSSL3-CB12

Charging **station**

The charging station powers all the headphones in the kit at the same time. It has **12 USB ports** at 5 V and a **total power of 180 W**. It comes with **6 multi-pin cables**, each with one USB-A plug and **5 USB-C connectors**: one cable per port charges 5 headphones at once.





Rear side



Multi-pin cable, 1 USB-A and 5 USB-C



Charging station HLGSSL3-CB12



Multi-pin cables and power cable included

30	12	180 W
headphones charging at once	USB ports at 5 V	total rated power

Five headphones per cable

With the 6 multi-pin cables included, 6 ports are enough to charge all 30 headphones. Each port delivers 15 W on average.

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 STATION · HLGSSL3-CB12

Type	**Charging station**
Number of ports	**12 USB-A**
Output voltage	**5 V DC**
Maximum total current	**36 A**
Total rated power	**180 W**
Average power per port	**15 W**
Connectors	**USB**
Power supply	**AC/DC**
Controls	**ON/OFF switch**

MULTI-PIN CABLES · INCLUDED IN HLGSSL3-CB12

Quantity	**6**
Input	**USB-A**
Outputs	**5 × USB-C**
Headphones per cable	**5**

IN THE BOX

Wireless headphones HLGSSL3-CF	**30**
Transmitter HLGSSL3-TX330	**1**
Headset microphone	**1**
Charging station HLGSSL3-CB12	**1**
Multi-pin cables USB-A / 5 × USB-C	**6**
Power cable	**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.



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