



Louis

USER MANUAL

Description	1
Features	1
Charging	3
Operating limits	4
Recommendations for use	4
Safety warning	4
Customer Service Management	4

TECHNICAL SPECIFICATIONS

Technical characteristics	5
Electricals characteristics	5
Environmentals characteristics	5

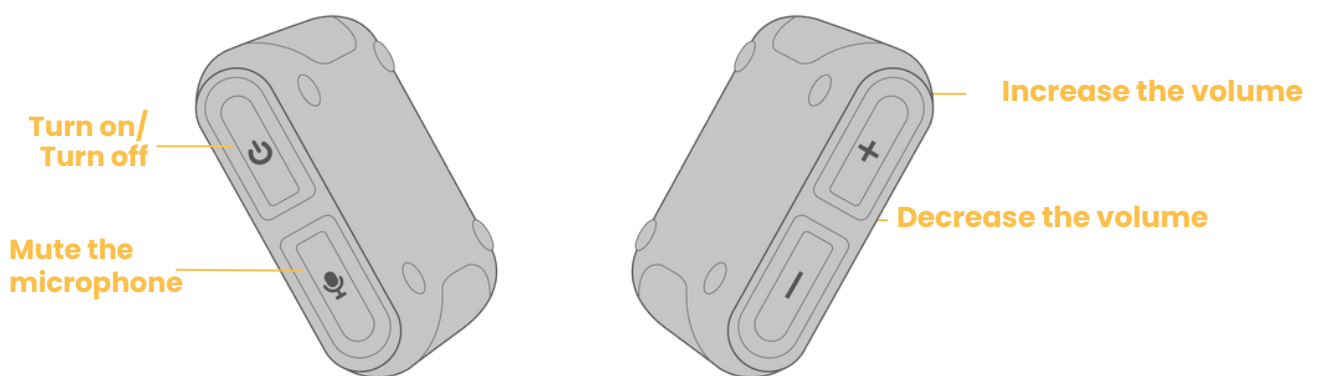
User Manual

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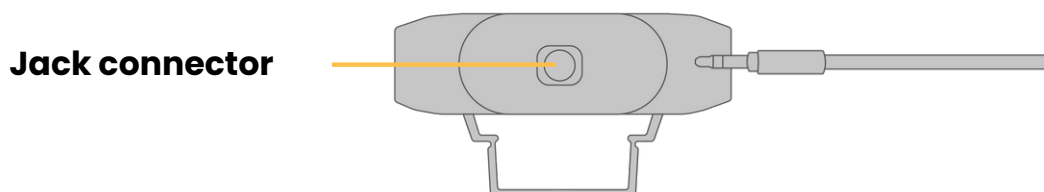
Description



Louis is a **communication solution** specifically designed for industrial work environments. Coupled with hearing protection, the device allows for easy and seamless communication in **noisy environments**.



Features



- **Insert the jack** of your hearing protection into the box. *Precautions for use: plug and unplug the jack preferably when the Louis is off.*



- **Switch on Louis** by pressing the button:  On switch-on, the LED lights up for 5 seconds to indicate **the state of the battery** (from red to green) **then flashes in the color of the group**.
- **The led flashes** every 2 seconds when **you are not connected** to other users.
- The **led is solid** when you are **connected** to other users.
- **The microphone can be deactivated** and activated using the dedicated button, located on the side of the product (mute):  When the microphone is muted, you hear "microphone off". The tone returns periodically to inform the user that his microphone is deactivated.

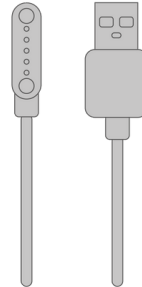
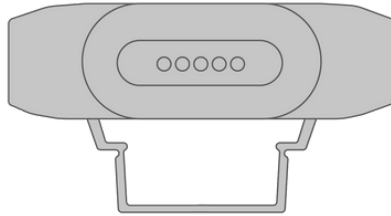
- When the VOL+ and VOL- buttons are used, **a short tone** indicates that the volume is changed.
- When the minimum or maximum volume is reached, **a double tone** sounds.
- **Manager option** : Hold down the microphone button  and click on the button  until you get the LED color identical to the group you want to talk to.
- When there is **the white LED, the manager can communicate with all the Louis** located near him, independently of their group.
- When your device connects to another, **you hear “connected”**.
- When a user leaves a group (beyond the maximum distance), he disconnects. He hears "disconnected" and his colleagues hear **three short beeps**.
- **Only three people can speak at the same time**. If a fourth person wants to speak, it won't be able to speak while all three people are talking.
- The fourth person who wishes to enter a chat will hear a tone for a few seconds warning that the other people cannot hear it. In addition, the return of the voice in the headphones is cut off. If the person continues to speak, a double tone returns periodically every 2 seconds.
- If the battery level is low, you hear “low battery”.

Charging

1st solution: Charging cable.

Connect the power adapter to the wall socket / USB port on your PC.

Pogo pins



- In the charging state, **a flashing LED** every second indicates that the component **is charging**.
- In the charging state, **a constantly lit LED** indicates that the device is **fully charged**.
- **5V DC : DO NOT USE A PHONE CHARGER.** If charging by USB cable, use a transformer wall charger whose output voltage is 5V maximum, the output current is 1A maximum, i.e. an output power of 5W maximum.

2nd solution: Versailles charging station.

Connect the Versailles charging station to the power outlet and place Louis in its designated slot.

Battery level	<10%	<50%	80%	>80%
Color of the LED	Red	Orange	Yellow	Green



Operating limits

Louis can only connect with another Louis.

The communication will be disrupted if:

- **An obstacle** (such as a metal object or a wall) is located between the two devices.
- **The device is used outdoors.**
- **Strong magnetic disturbances** (Presence of disruptive objects : electrical coil / Faraday).

Recommendations for use

- Do not connect to a mobile phone
- Do not use outdoor

Safety warning

- Do not throw into fire.
- Do not open.
- Warning: risk of explosion if the battery is replaced with an incorrect type of battery.
- Do not submerge in water.

Customer Service Management

- In case of a malfunction identified by the user, we recommend turning off and restarting the device.
- If the issue is not resolved following the recommendations from Safehear, the product should be sent back to Safehear for diagnosis. The cost of returning the product is the responsibility of the customer (unless covered by the warranty package).

Technical specifications

Louis

Technical characteristics

Product reference : SHLXMUL

Dimensions : 51 x 54 x 17.5 mm

Weight : 30 grams

Maximum communication range : Line of sight approximately 100 meters in open field. Actual range will vary depending on factors, such as obstacles between devices, surrounding magnetic fields.

Operating frequency: 2400 MHz - 2483.5 MHz

Maximum output power : 10 dBm

Latency : 100 ms

- 3 speakers maximum simultaneously.
- Unlimited number of listeners.
- Choice between 4 discussion groups. (several groups can be listened to simultaneously).

Electricals characteristics

Power Source: Built-in rechargeable lithium ion battery (LP602530 3.7V ; 500mAh)

Average recharge time: 3h

Average autonomy: 9h

Environmentals characteristics

Operating temperature (discharge): -10°C; + 50°C

Charging temperature : 10°C, 45°C

% humidity max : 60%

Tightness : IP54

Location of using : Indoor

Nature of the disturbances: audio interruption, noise, crackling, voice chopping

