



Auraloop installation manual

V1.0 - 2025 - Series 1

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I. Safety instructions

Important information and intended use

Important safety instructions

- Read and retain these instructions and the instruction manual. Be sure to pass on these instructions when transferring the product to third parties.
- Follow all warnings and instructions.
- This product can amplify sound to high levels. To protect your hearing, always set the volume to a low level before using headphones, then gradually increase the volume if necessary.
- Do not allow children or unauthorized persons to use this product without supervision.
- If you wear a medical implant or use a medical device, consult your doctor or implant manufacturer before using Auraloop.
- Avoid prolonged exposure to direct sunlight.
- Do not store the product near heat sources such as radiators or stoves.
- Protect the device from rain and moisture.
- Clean only with a dry cloth. Do not use liquid cleaners.
- Refer all servicing to a qualified technician if the unit is damaged, exposed to moisture, or does not operate correctly.

1. Electronic scrap recycling

The crossed-out wheeled garbage can and packaging recycling symbols provide information on waste management.

In accordance with environmental regulations, this product must not be disposed of with household waste. Electrical and electronic equipment contains reusable materials as well as hazardous components which can be harmful to the environment and human health if not recycled correctly.

Please return this product to a collection point designated for the recycling of electronic waste, or contact your local dealer for take-back procedures.

By doing so, you're helping to preserve the environment and promote sustainable development.

You will find meaning of the logos on products and packaging:



The compulsory Triman logo means that the packaging complies with specific sorting instructions.



The crossed-out wheeled garbage can logo means that the product in question (and not the packaging itself) must not be disposed of in conventional household waste garbage cans.



This logo with the blue pictogram is intended for Spain: **paper and cardboard** packaging should be disposed of in the blue garbage cans for proper recycling.



This logo means that the installation manual and packaging can be disposed of in the recycling garbage cans.

II. Description

Auraloop is a portable hybrid solution integrating the magnetic induction loop and Auracast™, designed to guarantee audio accessibility and communication for the hearing impaired. The product is designed for use in all public reception areas and hearing aid laboratories, and can be easily installed at reception desks. Simple to use, Auraloop ensures optimum results and long-lasting installation.



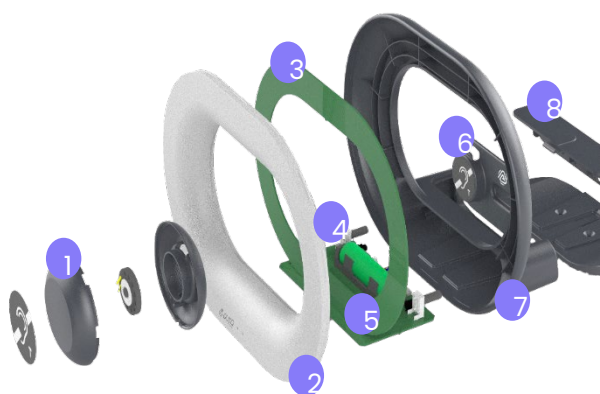
Auraloop is a hybrid reception system integrating Auracast™ and an induction loop, suitable for counters, reception desks, intercom systems, small rooms and so on. The system not only complies with the restrictions of the Equal Opportunity Act and the requirements of EN60118-4, but also broadcasts audio via the new Auracast™ communication protocol (a Bluetooth SIG trademark).

The set is designed to offer accessibility to hearing-impaired people equipped with a hearing aid with the T position or with Auracast .™™

The amplifier is designed to be placed directly on a desk or countertop, but can also be fixed in place. It features a rechargeable battery, two inputs, controls and LEDs.

The device incorporates AGC audio processing for automatic control of recording levels, avoiding sudden loud noises.

1. Product composition



1/ OP-E3 handset (Auraloop + only)	5/ Battery
2/ AuraLoop front cover	6/ Stand for OP-E3 handset
3/ Magnetic loop antenna	7/ AuraLoop rear cover
4/ Auracast electronic board™™	8/ Battery cover



- 12 - Mains socket
- 13 - Charging indicator
- 14 - Low battery indicator
- 15 - ON/OFF button
- 16 - Speech output indicator
- 17 - Operating indicator
- 18 - Microphone capsule (internal)
- 19 - Microphone jack
- 20 - Microphone potentiometer

- Potentiomètre combiné
- Prise Jack combiné
- Prise bloc secteur
- Voyant de chargement
- Voyant batterie faible
- Bouton ON/OFF
- Voyant de diffusion de la parole
- Voyant de fonctionnement
- Capsule microphone (interne)
- Prise Jack microphone
- Potentiomètre microphone

To switch on the Auraloop, press the button  on the back of the product.

2. How the magnetic induction loop works & Auracast™

Our product combines the magnetic induction loop and Auracast™ for optimum accessibility. The magnetic induction loop transmits sound in the form of a magnetic field to a hearing aid set to "T" mode. A microphone picks up the agent's voice at the counter, then an amplifier converts this signal into a magnetic field and broadcasts it via a looped cable. The hearing aid then picks up this signal, enabling clear listening without sound interference. Complementing this, Auracast™, an advanced Bluetooth technology, broadcasts audio directly to multiple compatible devices, without the need for a physical loop. Thanks to these two technologies, our product guarantees universal accessibility and an optimal listening experience.

3. Installation




Auraloop is a ready-to-use system: all you have to do is position it at the optimum distance between you and the person you're talking to.

For permanent installation, Auraloop comes with a mounting base with two drill holes, enabling it to be securely anchored to a workstation. To remove it, simply slide it gently forward until it detaches from the base.

4. Battery


To gain access to the Auraloop's battery, slide the hatch on the back of the product. To power up the Auraloop, the battery must be primed. To do this, you need to plug it in:



connect the power supply to the socket indicated by the 

When the battery is removed, a safety device is activated when it is reinserted. Wait 1 second before restarting.

5. Battery recharging



The Auraloop can be powered by its built-in rechargeable battery or by a mains adapter. The Auraloop's battery has an autonomy of 4 hours, and recharges completely after 2 hours on mains power. To charge Auraloop,

connect the power supply to the socket indicated by the pictogram 

LEDs on the rear of the product indicate when the battery is low  or charging. 


6. Jack for OP-E3 handset

Available as an option, the OP-E3 handset enables hearing-impaired people without hearing aids to pick up the sound emitted. To benefit from its use, users simply unhook the earpiece from its holder and place it on their ear.

To use this system, simply plug the earphone jack into the socket indicated by the pictogram . To adjust the earphone volume, turn the potentiometer indicated by the pictogram .

7. Jack for OP-E3 handset

Available as an option, the OP-M80 microphone picks up the sound of the caller's voice and transmits it either directly to the hearing-impaired person's hearing aid, via the integrated magnetic loop, or via the handset if the hearing-impaired person has no hearing aid.

To use the OP-M80, plug the microphone jack into the socket with the pictogram 

8. Regulations

In order to comply with the current standard, it is necessary to indicate the presence of a solution for the hearing impaired by affixing the stickers supplied.

9. Settings

To increase diffusion, adjust the Microphone Potentiometer (number 20). By increasing the value, you reinforce the magnetic field's diffusion, which improves the signal's range. The higher the value, the greater the range.

10. Technical specifications


AUDIO INPUT	
Built-in microphone	Micro capsule
Microphone jack	1x Micro Jack 3.5mm
Phantom power	5V, 1mA

AUDIO OUT	
Handset socket	1x Micro Jack 3.5mm

POWER SUPPLY	
Voltage / Current	5 Vdc / 1.5A
Connector	Micro USB
Battery type	Lithium Ion 3.7V 4000mAh
Autonomy	10 a.m.
Charging time	4 hours

TECHNICAL SPECIFICATIONS	
Output current	3.5A rms
Protections	Thermal resistance / overload
Magnetic field range	1,10m
Operating temperature	From 0°C to 40°C

PRODUCT FEATURES	
Dimensions	250x185x80mm
Net weight	366g
Packaging	Cardboard
Shipping dimensions	400x250x100
Shipping weight	1Kg

LED DISPLAY	
Information	Battery charging (1)
	Low battery (2)
	Output current (3)
	Power supply (4)

III. Auracast configuration & AuraConnect application.

information ⚠

Auraloops leave the factory with a predefined broadcast name in the form of "Reception_xxxx". From **June 1, 2025**, you will be able to update your Auraloop using the AuraConnect application. You will then be able to modify this broadcast name, as well as the Auraloop's Auracast parameters

- Transmitter power
- Sampling frequency
- Name
- Password

1. Presentation

The **Aura by Opus** solution has been designed to make configuration as simple as possible for the installer. With the exception of the dip-switches on the back of the terminal, all **Auraloop** settings are made via the **AuraConnect** application.

Download **AuraConnect** from the App Store or Play Store by scanning the QR Code below, or by searching directly for **AuraConnect** (without space) in your app store.

AuraConnect makes it easy to configurate and manage Aura by Opus products with just a few clicks.

The application offers 2 levels of use:



- Installers
- Owners.

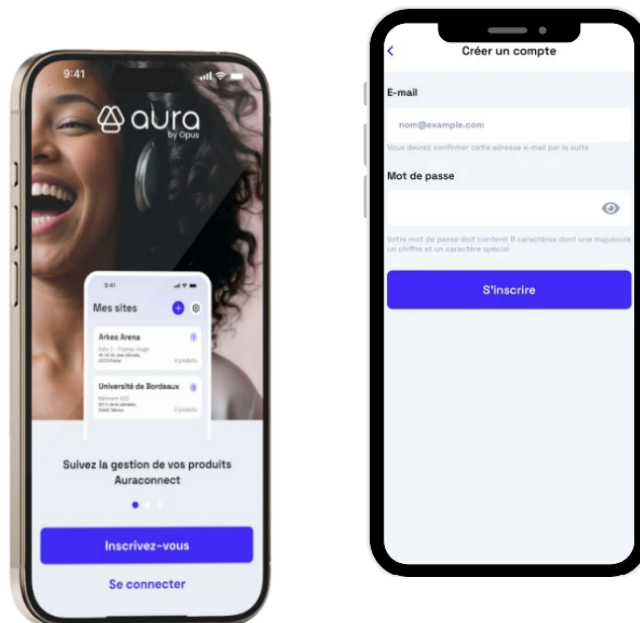
It allows you to :

- Create installation sites, add rooms to them, then integrate AuraByOpus products into each room
- Create user groups within a company to track installations carried out by people from the same company or organization.
- Configure and update products

The following sections explain how to connect to the application step by step, and how to configure/update an Aura product.

2. Creating a user account

Go to the application, then create your account by following the on-screen instructions.

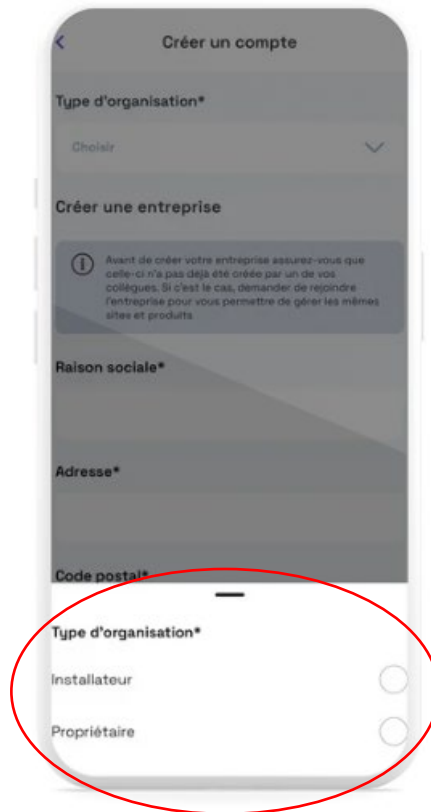


If you lose your password, you can easily create a new one from the application. The e-mail address given by the user to create his account should preferably be accessible from his smartphone to facilitate account creation and password recovery (account validation is received by e-mail and the password recovery link redirects to the AuraConnect application directly).

If you do not have access to your mailbox and you are the owner of the products, please contact support@opus-technologies.fr for assistance. Opus reserves the right to request proof of purchase for a complete application reset and transfer of products to a new account.

Select account type

There are 2 roles in the AuraConnect application that provide access to different services:



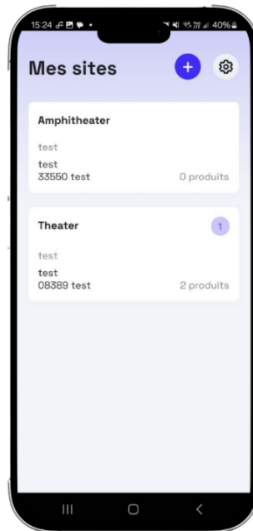
Installer: The installer is responsible for installing and configuring the products. His role also includes creating an account for the owner of the products, using an e-mail address. Once you've created an installer account, you'll need to create your customer's owner account before you can start configuring the products.

Owner: As the owner, the user is entirely responsible for the products. He may change installer at any time. If necessary, he can contact our customer service department (see end of installation manual) to regain access to his product fleet. A purchase invoice and the serial number (QR Code) associated with the product will be requested.

Several installers can work on the same installation. When a new installer configures an installation with the same e-mail address, the owner will have access to all the sites assigned to him at the time of installation.

3. First steps with the application

Once your account has been created, you'll be taken to the application's main interface.



To begin your installation, you'll need to start by creating the owner contact, or choose from the existing owners managed by your organization.

Part creation

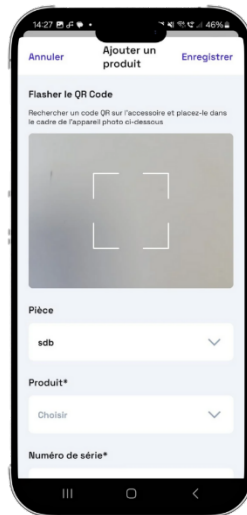
To organize your installation perfectly, you'll need to create rooms where the products will be installed. Example: "Brooklyn 2 Amphitheatre" or "Railway Station Reception".

It's important to organize your installation by creating rooms or zones with clear words (Building A - Amphitheatre A154) to make it easier to understand the layout of several products in a zone, so you can find them more easily during maintenance.



4. Add your products to the application

Access the add products page from the site where you wish to add a product.



Once on the add products page, there are 2 ways to add your products to the application (your phone must be connected to the Internet):

1. Scan a QR Code found on the product or packaging
2. Add the serial number using the alphanumeric code found on the product or packaging

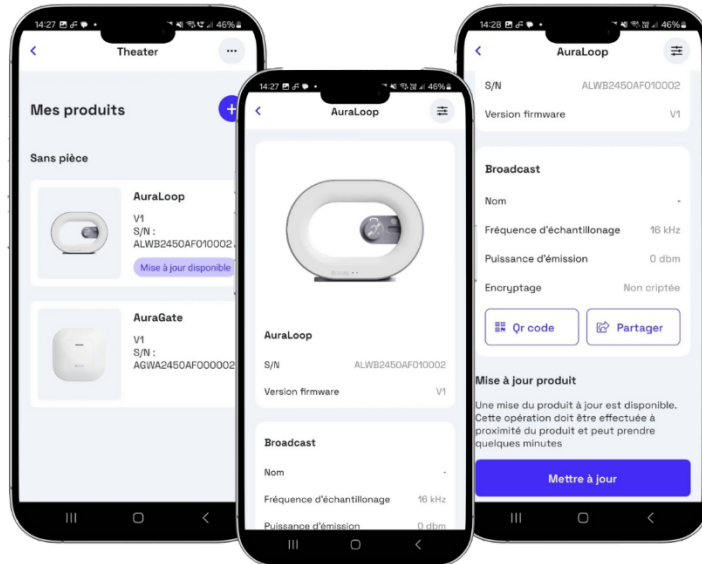
Once the product has been added, the application automatically recognizes it:

- Your product reference with image
- The version of the latest firmware installed on the product. If there is a new firmware version, you will see the message "Update available".
- Latest product settings

Once this stage is complete, you can connect to your product to carry out updates or configurations.

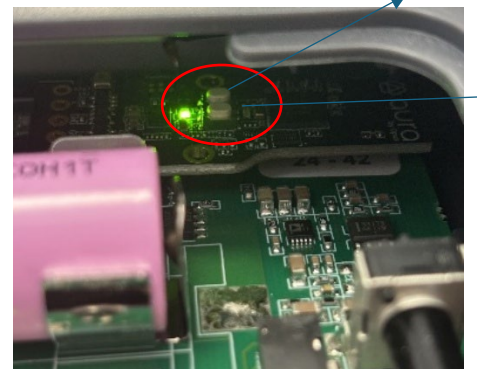
5. Set the product to Configuration

First-generation Aura by Opus products need to be placed in configuration mode in order to make adjustments or updates to the product



To activate your product's configuration mode :

- Switch on the unit.
 - Remove the cover.
 - Locate the black circuit board at the bottom of the case.
 - Press the first button (the one facing you - button 1).
 - Without waiting, immediately press the second button (located right next to it - button 2).
 - Press and hold button 2 for 3 seconds, then release
- If the operation is successful, the **LED will light up solid white**.

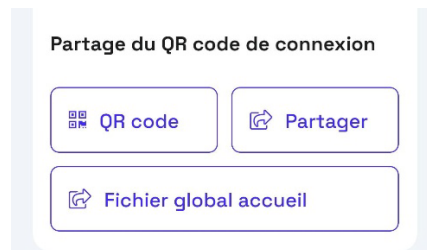


6. Share user login information

An A4-size "multi-language home page" sticker is included in the package. You can also stick the "default connection QR code" sticker, also supplied with the product.

If you have changed the broadcast parameters (name or password), the original QR code is no longer valid. You must then replace it with a new one by following the steps described below:

On the product page, you have three options:



- 1) Display the QR code via your application
- 2) Share the QR code by e-mail for printing and distribution to end users. You can use the mini plastic pouch supplied in the packaging to stick this QR code on the multilingual self-adhesive backing to replace the default one.
- 3) You'll also be able to share a file by e-mail that reproduces two pages of labels in multiple languages (English, French, Spanish and German) with access and flow name, for printing and display at the entrance to the equipped room.



Option 1



Option 2



VI. Signage

To ensure that your installation complies with usage requirements, it is necessary to display a notice at the entrance to your room indicating that the area is equipped with an Auracast™ system, and that people wishing to connect to it can use their own equipment or request a receiver from reception.

A set of blank labels is supplied in the package, enabling you to simply add the name of the Flux configured as standard, or just the label with the broadcast information.



You can also generate this file and share it from within the application, as described above.

VII. Technical support and warranty

Error status :

- If the LED is steady red, this indicates an error on the circuit board. Switch the product off and on again. If the problem persists, contact Opus Technologies technical support at support@opus-technologies.fr.
- If the LED is white and flashing, the product is undergoing maintenance.
- A steady blue LED indicates that the product is in broadcast mode.

Cybersecurity and vulnerability :

The Auraloop system incorporates advanced cybersecurity technologies to guarantee the authenticity of updates and the integrity of the audio stream, secured by a customizable password. The application and user account management comply with RGPD standards. What's more, the application and product comply with current cybersecurity regulations. However, if you identify a vulnerability, we invite you to inform us at the following address: support@opus-technologies.fr

Audio stream confidentiality :


If confidentiality is required, we recommend that the user opt for stream encryption using a personal password. We recommend that this be different from the default password, which is generated uniquely and pseudo-randomly by the manufacturer using a proprietary Opus Technologies algorithm.

Users can also increase or decrease the range of their audio stream by configuring the product via the application.


Warranty:

The Auraloop comes with a 5-year manufacturer's warranty corresponding to 3 years + a 2-year extension valid on product registration.

If you have any problems or questions concerning the installation and use of your Auraloop, please contact our technical support team:

 **Email:** support@opus-technologies.fr

 **Address:** Opus Technologies, 4 Allée Pierre-Gilles de Gennes, 33650 Martillac, France

 **Telephone:** +33 (0)9 81 24 00 06

We thank you for choosing *Auraloop*, an *Opus Technologie* product, and remain at your disposal for any further assistance.

VERSION MANUAL INSTALLATION :

- Manual version: V1.0 03.2025. Associated firmware: v1.2.0

Note:
