



AuraGate Installation Manual

V1.0 - 2025

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1. Introduction

Welcome to the AuraGate installation manual developed by Opus Technologies (Audiofils brand). This innovative audio streaming device is designed to provide a high-quality sound experience in various environments, such as performance halls, cinemas, airports, outdoor concerts, and many others. Thanks to Auracast technology and advanced features, AuraGate guarantees a smooth, stable and faithful streaming to the original source.

This manual will guide you step-by-step through the installation and configuration of your AuraGate to maximize its potential.

2. Package contents

Here are the items included in your AuraGate package:

- An AuraGate
- A wall mounting bracket
- A 5V 500mA power supply
- A USB-USB-C cord
- A set of stickers for signage
- A set of 4 3-point connectors
- A quick guide
- A set of 3 screws and 3 dowels diameter 6

Make sure all of these items are present before starting the installation. If any part is missing, contact technical support at the following address: support@opus-technologies.fr.

3. Safety instructions

Important information and intended use

Read the following information carefully before using your AuraGate system.

The AuraGate is a Bluetooth Low Energy audio streaming system operating in the 2.4 GHz frequency band from 2.402 GHz to 2.480 GHz. This product is designed for applications such as assistive listening, audio description, and language interpretation or translation. Any other application not mentioned in this manual is considered improper use. Opus Technologies assumes no liability for damage resulting from

improper or non-compliant use of this product and its accessories. Before using the product, be sure to comply with the regulations specific to your country.

The product is intended for professional use, the equipment must be installed by a qualified technician.

The equipment must be installed in a suitable space and not accessible to an unauthorized person.

Important information such as serial number, manufacturer and regulatory information can be found on the label affixed to the product and packaging.

Important Safety Instructions

- Read and keep these instructions and the instruction manual. Be sure to pass on these instructions when transferring the product to others.
- Heed all warnings and follow instructions provided.
- This product can amplify sound at a high level. To protect your hearing, always start by adjusting the volume to a low level before using headphones, and then gradually increase the volume if necessary.
- Do not allow children or unauthorized persons to use this product without supervision.
- If you have a medical implant or use a medical device, consult your physician or the implant manufacturer before using the AuraGate.
- 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 cleaning fluids.
- Refer all servicing to a qualified technician if the appliance is damaged, exposed to moisture, or is not working properly.

4. Recycling of electronic waste

The crossed-out trash can and packaging recycling symbols provide you with 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 that can be harmful to the environment and human health if not recycled correctly.

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

By doing so, you contribute to the preservation of the environment and sustainable development.

Meaning of the logos you will find on products and packaging:



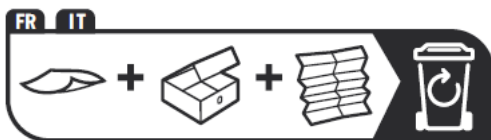
The mandatory Triman logo means that the packaging meets specific sorting instructions.



The crossed-out bin logo means that the product concerned (and not the packaging itself) should not be thrown into regular household waste bins.



This logo with the blue pictogram is intended for Spain, **paper and cardboard packaging** should be thrown into the blue bins for proper recycling.



This logo means that the installation manual and packaging can be thrown into the recycling bins.

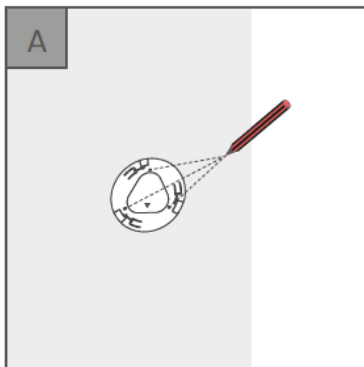
5. Installation

Step 1: Preparing for installation

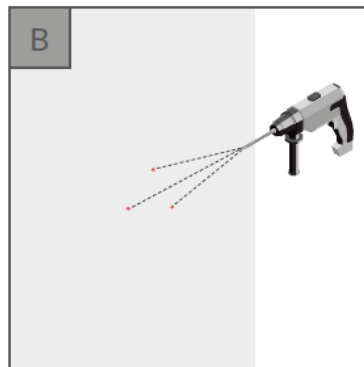
1. Choose a suitable location for installing the AuraGate:
 - On a wall
 - On the ceiling
 - Or on a table
2. Make sure the mounting surface is clean, dry and capable of supporting the weight of the device (200 g).

Step 2: Attaching the AuraGate

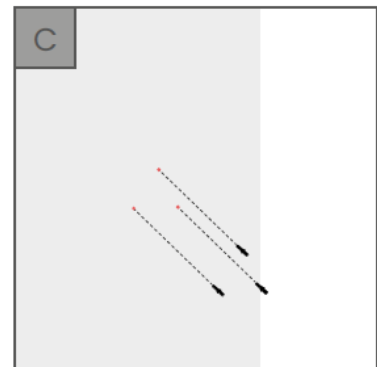
1. Installing the AuraGate on a wall, ceiling or partition:



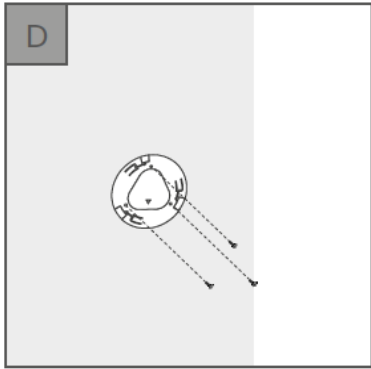
Mark the positions of the 3 locations in the center of the 3 holes on the wall or ceiling, following the information on the label of the mounting bracket. The arrow indicates the direction of attachment.



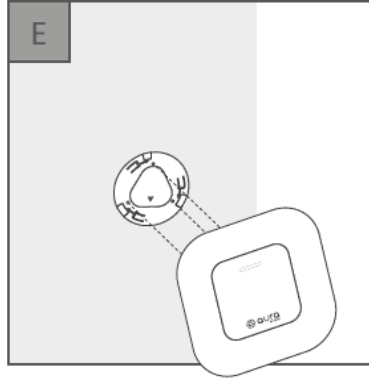
Drill the 3 holes using a drill.



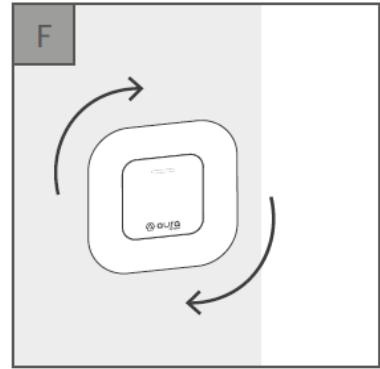
For a concrete wall, add 3 plugs in the holes previously drilled.



Using a screwdriver and the screws, attach the mounting bracket.



Place the AuraGate in the notches of the mounting bracket attached to the wall.



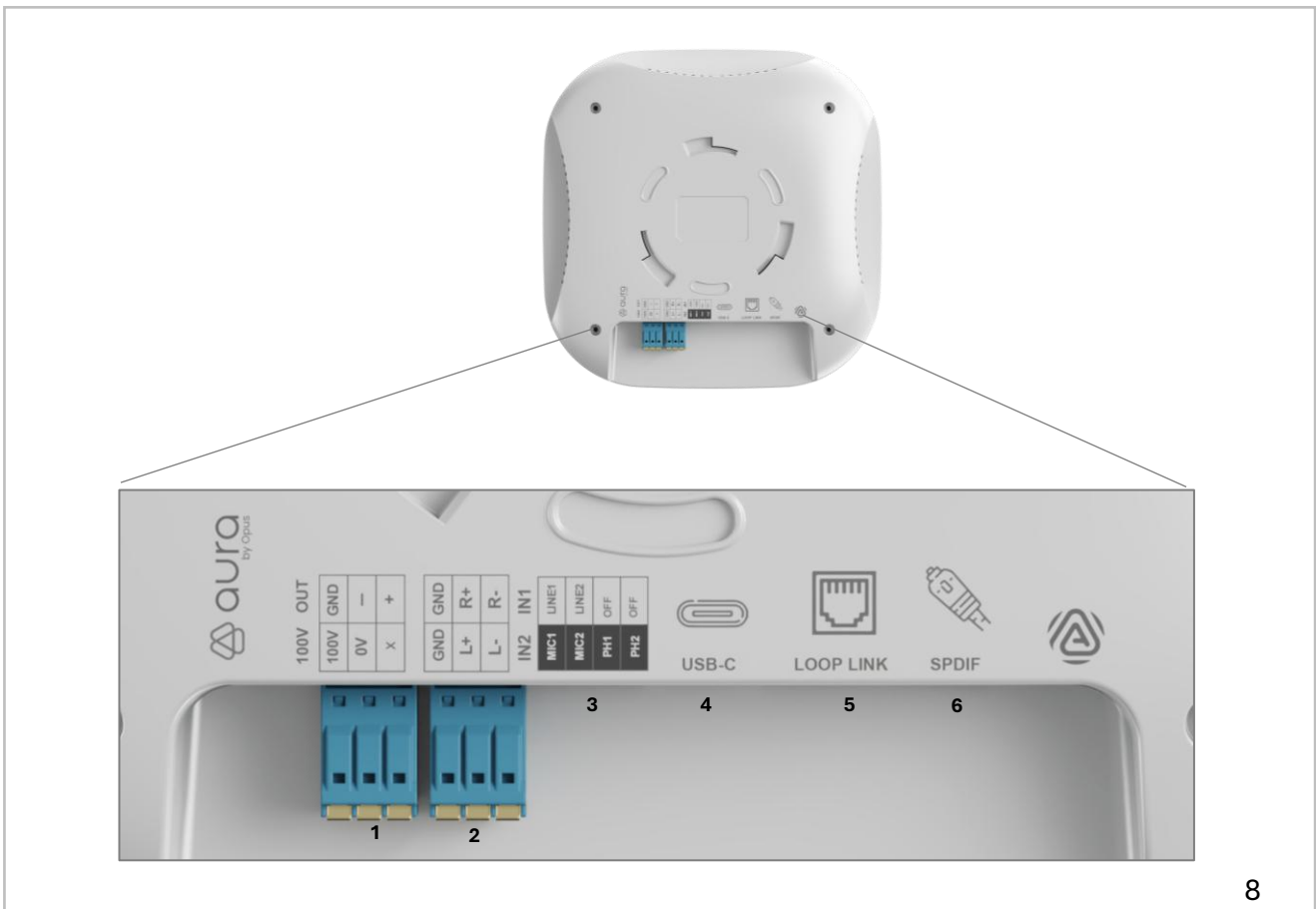
With slight pressure, rotate the Auragate to the right to fit it correctly.

2. For tabletop installation:

- Simply place the AuraGate on a stable surface.

Step 3: Connecting the Cables

Connection diagram:



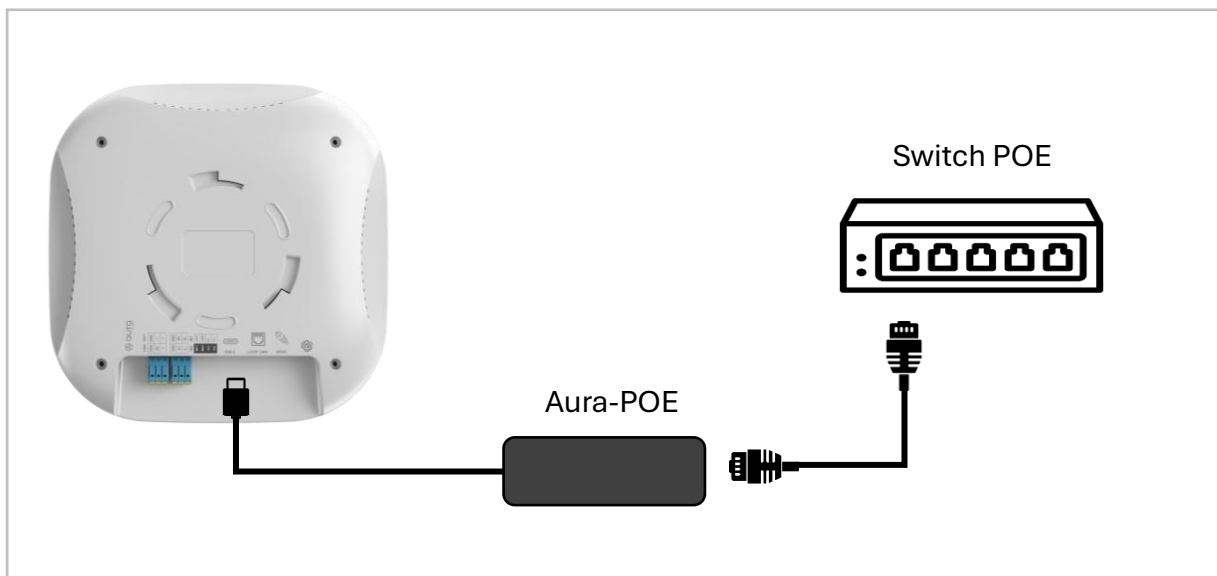
| Number | Characteristic | Connector | Information |
|--------|--|----------------|----------------------|
| 1 | Line out | Terminal block | High location |
| | 100v input | Terminal block | Low location |
| 2 | Line or Mic Inputs 1 | Terminal block | High location |
| | Line or Mic Inputs 2 | Terminal block | Low location |
| 3 | Line or Mic Inputs 1 and 2 Configuration | DIP SWITCH | |
| 4 | USB-C Power and Audio Input | USB-C | |
| 5 | Connecting to Opus Technologies loop amps. Power and audio | RJ45 | Compatible from 2026 |
| 6 | Digital optical input | SPDIF | |

1. Powering the AuraGate

There are two possibilities to power the AuraGate:

- a. Connect the 5V 500mA power supply and USB-USB-C cable to the USB-C slot.
- b. If you want to use POE power to simplify the installation of the terminal, use the optional Aura-POE accessory. This type of installation avoids connecting AuraGate to a power outlet.

Follow the diagram below for wiring your installation.



Aura-POE

POE to USB-C adapter to power an AuraGate via a POE switch.

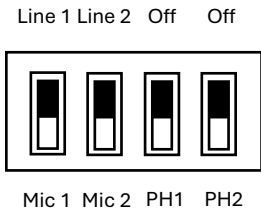


2. Connecting the audio source(s)

Choose the type of input you want to connect audio to the AuraGate, below is a list of available inputs:

- **LINE or MICRO 1 input** : Terminal block type connector for a line or mic signal. To connect to this connector, strip the wire and then insert the stripped wire into the intended location using a screwdriver. Release and check if the wire is locked in its location.
- **LINE or MICRO 2 input** : Terminal block type connector for a line or mic signal. To connect to this connector, strip the wire and then insert the stripped wire into the intended location using a screwdriver. Release and check if the wire is locked in its location.
- **100V Input** : 1 terminal block type connector for high voltage signals.
- **SPDIF Input** : For digital signals via SPDIF connector.
- **USB-C Input** : Allows direct connection with a USB-C compatible device. This input must be enabled with the AuraConnect app. When the USB-C audio source is used, inputs 1, 2, 100V and SPDIF are disabled. Only this audio source can be used.
- **Loop Link Input** : RJ45 connector combines audio and power for easy setup.

To configure inputs 1 and 2 use the Dip switches provided for this purpose. There are two types of settings.



| | Position UP | Position DOWN |
|--------------|------------------------------|-------------------------------|
| Dip Switch 1 | Line 1 Input Active | Mic Input 1 active |
| Dip Switch 2 | Line 2 Input active | Mic Input 2 active |
| Dip Switch 3 | Phantom power mic 1 off | Phantom power mic 1 enabled |
| Dip Switch 4 | Phantom power mic 2 disabled | Phantom power micro 2 enabled |

Step 4: Getting Started

1. Once the cables are properly connected, power on the AuraGate.
2. Check that the indicator lights indicate normal operation (see troubleshooting section for details).

6. Connecting to the AuraConnect App

Aura by Opus solution has been designed to simplify configuration as much as possible for the installer. With the exception of the dip-switches located on the back of the terminal, all AuraGate 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 for **AuraConnect**



(without spaces) directly in your app store.

AuraConnect allows you to easily configure and manage Aura by Opus products in just a few clicks. The application offers 2 levels of use:

- Installers
- Owners.

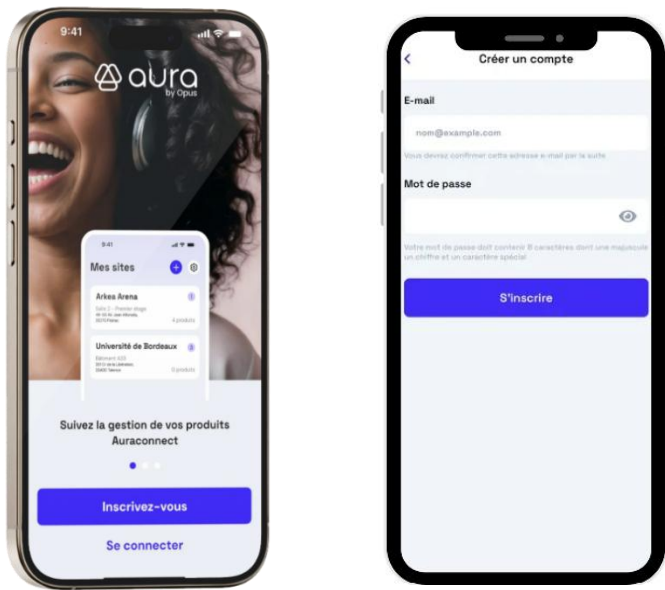
It allows:

- To create sites (buildings, rooms, reception areas, etc.) and associate products with them to simplify maintenance and monitoring of their use.
- To configure and update products
- To create user groups within a company in order to know the installations carried out by people from the same company or organization.
- To clone the same configuration for several products in the same room.

First, we'll walk you through a step-by-step guide on how to log into the app and then how to start setting up an Aura product.

Step 1: Create a user account

Go to the app, then create your account by following the instructions displayed on the screen

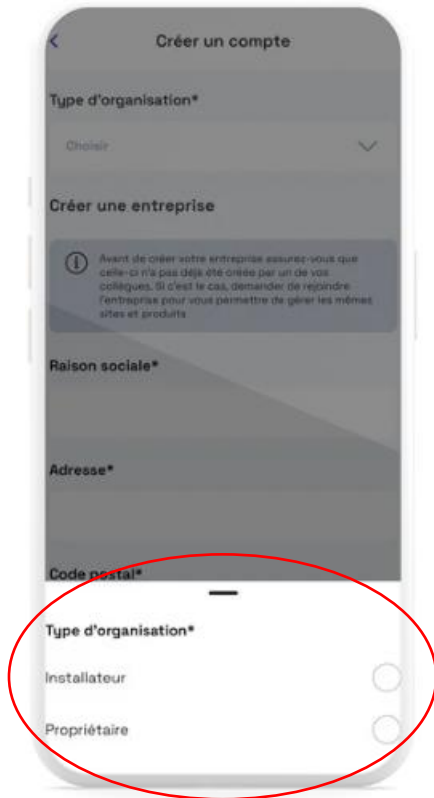


If you lose your password, you can ask for a “reset” link to be sent on your email.

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

Step 2: Choosing the account type

There are 2 roles in the AuraConnect application which will allow access to different services:



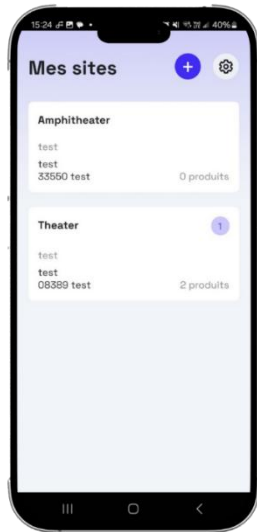
Installer: The installer is responsible for installing and configuring the products. Their role also includes creating an account for the product owner using an email address. After creating an installer account, you will need to create your customer's owner account before you can begin configuring the products.

Owner : As the owner, the user is fully responsible for the products. He can change installer at any time. If necessary, he can contact our customer service (see the end of the 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.

Multiple installers can work on the same installation. When a new installer sets up an installation with the same email address, the owner will have access to all the sites assigned to him during installation.

Step 3 : Getting started with the application

Once the account is created, you access the main interface of the application.



To begin your setup, you will need to start by creating the owner contact or choosing from existing owners managed by your organization.

Step 4 : Creating the parts

In order to perfectly organize your installation, it is necessary to create rooms where the products will be installed. Example: "Brooklyn 2 Amphitheatre" or "Train Station Reception"

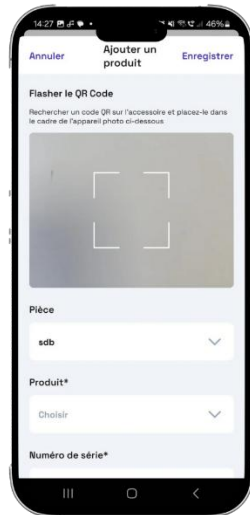
It is important to organize your installation well by creating rooms or zones with clear words (Building A - Amphitheater A154) for a better understanding of the installation of several products in an area, this will allow you to find them more easily during maintenance.



7. Connecting Products to the AuraConnect Application

7.1 Add your products to the application

Access to adding products.



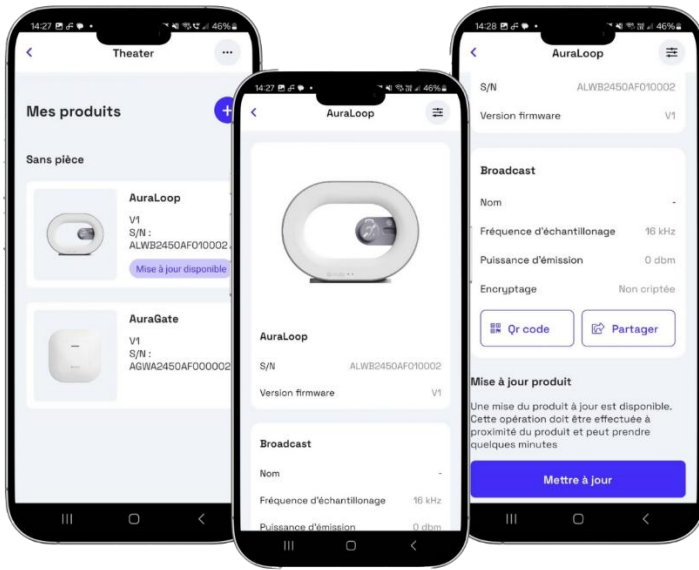
Once on the product addition page, there are 2 possibilities to add your products to the application:

1. Scan a QR Code that you will find on the product and packaging
2. Add the serial number using the alphanumeric code that you will find on the product and packaging

Once the product is added, the application automatically recognizes:

- Your product reference with its image (your phone must be connected to the internet)
- The version of the latest firmware installed on the product. If there is a new firmware version you will see "Update available"
- The latest adjustments made to the product

Once this step is completed, you will be able to connect to your product to perform updates or configurations.



7.2: Product configuration mode

First generation Aura by Opus products need to be placed in configuration mode in order to perform adjustments or updates on the product (this step should no longer be necessary in the near future).

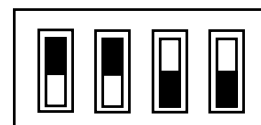
To place your product in Config mode:

1. Position the Dipswitches that you will find on the back of the product as shown in the diagram below:

“Line 1” and “Line 2” up ↑

“Phantom 1” and “Phantom 2” down ↓

Line 1 Line 2 Off Off



Mic 1 Mic 2 PH1 PH2

The AuraGate LED should turn solid white.

Once the product is in setup mode, you can update and configure your product using the AuraConnect app (see paragraph 7.3 below).

The simplified procedure is as follows:

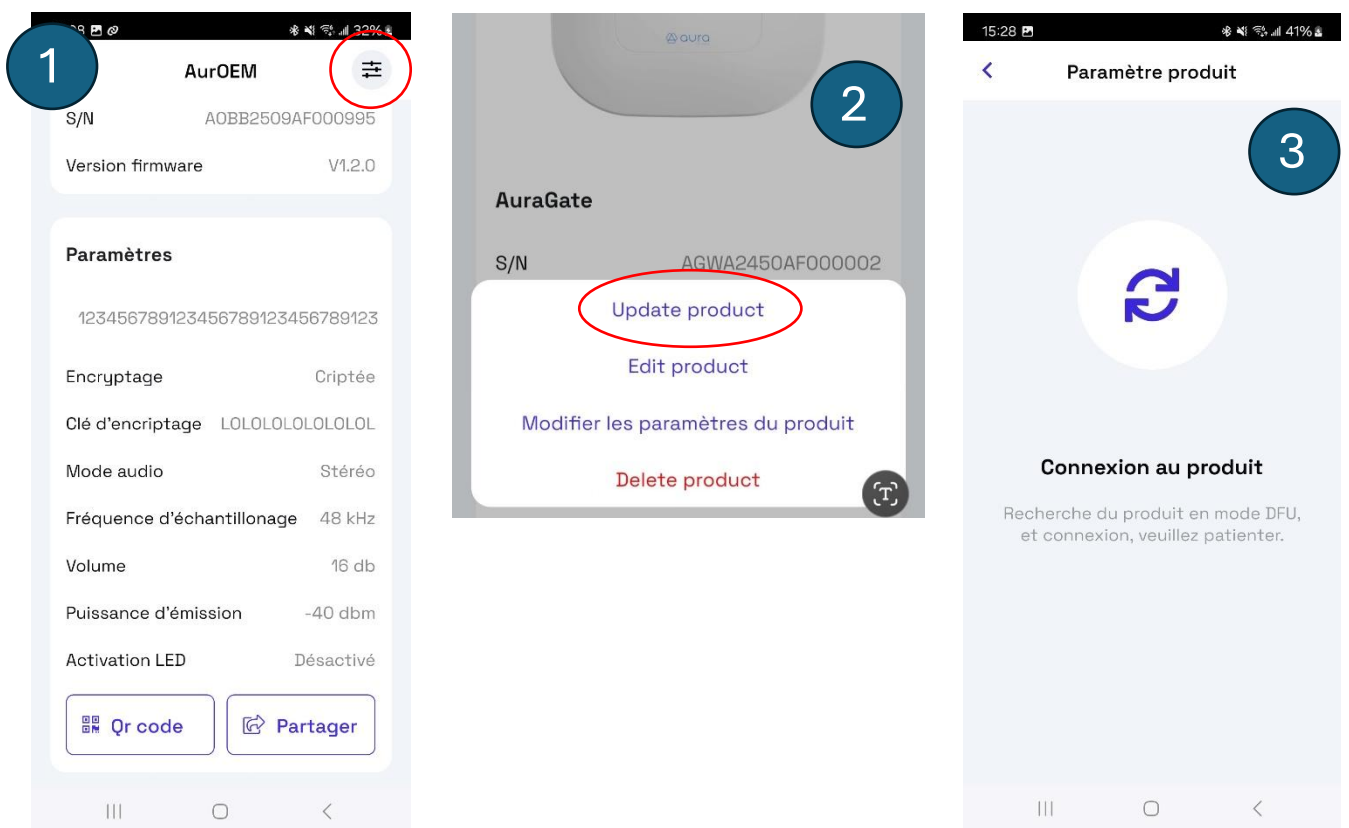
- 1- I add my product to the AuraConnect application (To be done only on first use)
- 2- I put my device in configuration mode (flashing white LED)
- 3- I can start updating or adjusting my device (you must be within 10m of the device)

7.3 Product Connection and Broadcast QR Code

It is important to note that first generation Aura by Opus products are configured via the AuraConnect application connected via **Bluetooth** to the product, so it is necessary to be **within 10m** of your product to make adjustments or updates.

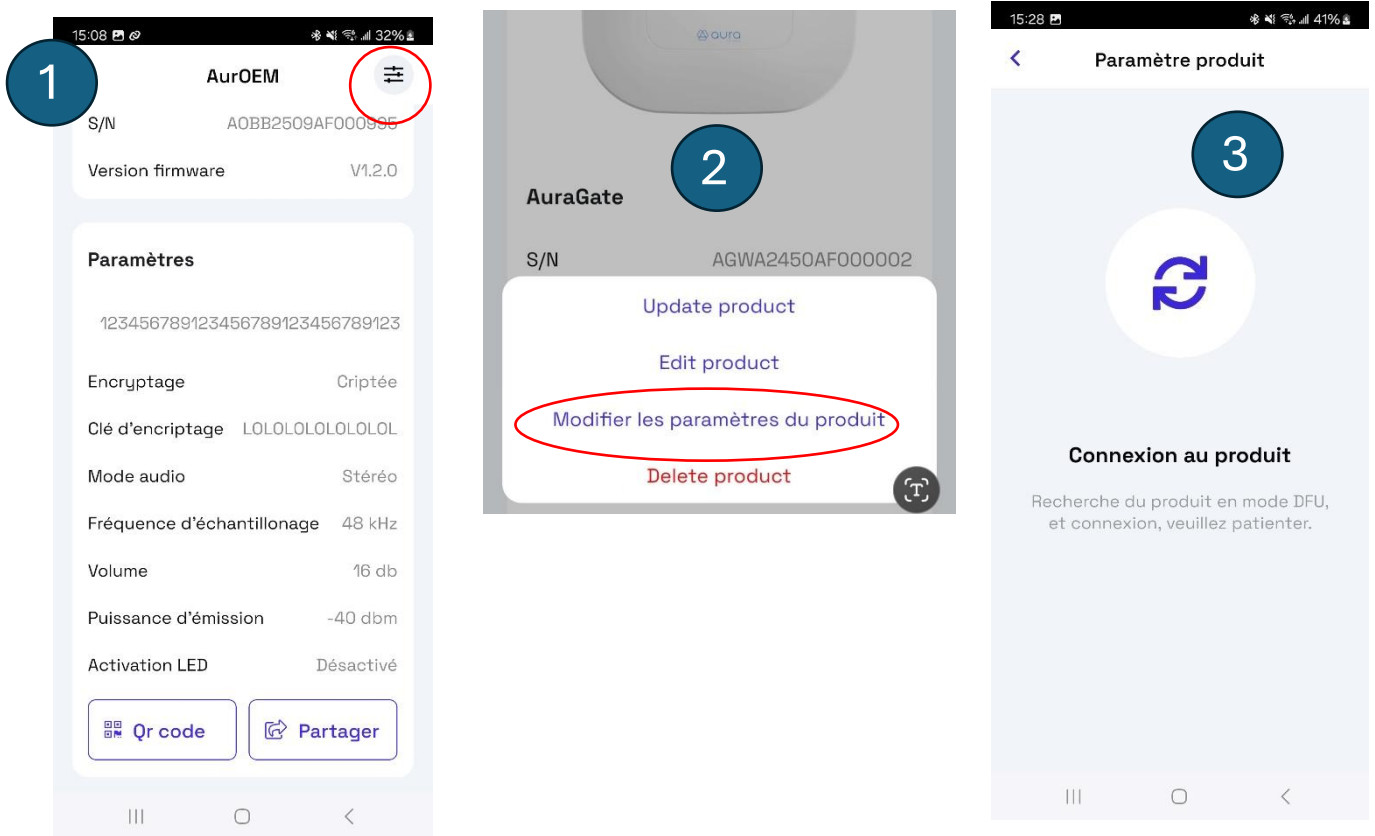
7.3.1 Firmware Update

To update your product, click Settings, then Product Update, then Connect to Product.



7.3. 2 Settings

To start changing your product settings, go to **Settings** , then select "**Change product settings**".



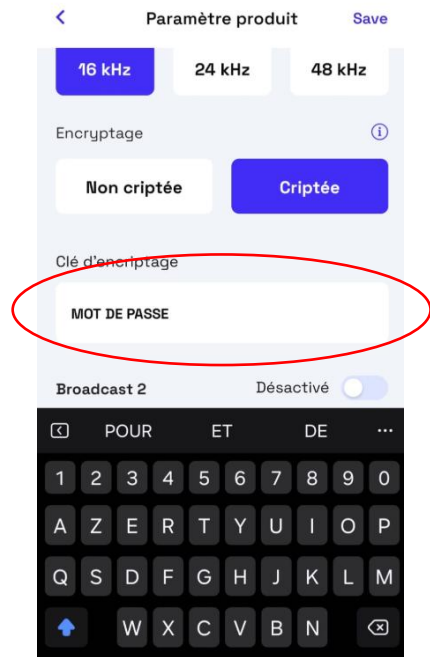
7.3.3 Broadcast Name and Password Creation

You have the option to generate a feed with free access or with encrypted access with a password.

To create a passcode , go to the app **settings** , then **scroll down to the "Encryption" section** . Then change the mode **from "Unencrypted"** to **"Encrypted"** to generate the QR code.

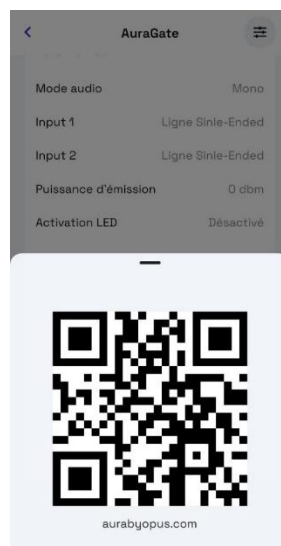
If you choose “Unencrypted” access will be free.

If you choose “Encrypted”, you will then need to create a password. A code is automatically suggested to you but you can change it.



Once you have configured your product encryption you can extract the access information in order to share this information with visitors to the equipped space.

To share user login information, go back to the product page. There you will find your QR code* automatically generated and ready to be used for device login.



*Auracast QR code scan functionality is available on phones using Android 16 (Google pixel 9 and Samsung Galaxy under UI 7. Deployment on other devices is to be coming

You can also share a file by email which will reproduce two pages of labels in multilingual (English, French, Spanish and German) with the accesses and the name of the flow in order to print it and display it at the entrance to the equipped room.



A blank label set is provided in the package, it allows you to simply add the name of the basic configured Stream or only the label with the broadcast information.

7.4 Parameter Settings

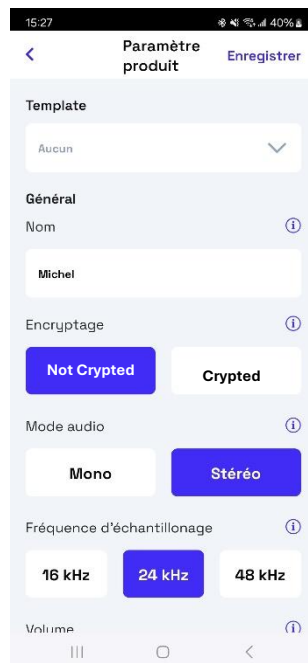
Below is a table of possible settings on the product:

| Band | Name |
|----------------------|----------------------------|
| Broadcast Settings 1 | Broadcast Name 1 |
| Broadcast Settings 1 | Broadcast encryption key 1 |
| Broadcast Settings 1 | Broadcast 1 encrypted |
| Broadcast Settings 1 | Broadcast sample rate 1 |
| General / Audio | Transmit power |
| General / Audio | Audio mode |
| General / Audio | LED Activation |
| General / Audio | Volume Input 1 |
| General / Audio | Volume Input 2 |

| | |
|----------------------|--------------------------------|
| General / Audio | Volume 100 V |
| General / Audio | Volume Loop Link |
| General / Audio | S/PDIF Volume |
| General / Audio | Broadcast Input Selection 1 |
| General / Audio | Broadcast Input Selection 2 |
| Broadcast Settings 2 | Broadcast activation 2 |
| Broadcast Settings 2 | Broadcast Name 2 |
| Broadcast Settings 2 | Broadcast encryption key 2 |
| Broadcast Settings 2 | Broadcast 2 encrypted |
| Broadcast Settings 2 | Broadcast sample rate 2 |
| I/O Setup | Input 1 |
| I/O Setup | Input 2 |

Reminder: You can make all of these adjustments from the moment you are logged in to "Config Mode".

View of the App setting screen



8. Signage

To ensure that your installation complies with the usage requirements, it is necessary to display at the entrance of your room that the area is equipped with an Auracast system and that people willing to connect to it can use their equipment (Compatible hearing devices and, when necessary, compatible phone) or request a receiver at reception.

A blank label set is provided in the package, it allows you to simply add the name of the basic configured Stream or only the label with the broadcast information.



You can also generate this file and share it from within the application. See section 7.3.2.

9. Technical data and LED display

LED Display Meaning:

Solid blue: Broadcast mode

Flashing white: Configuration mode

Solid Green : Issue with Dipswitch position

Bug fixes:

If the LED is white while the DIPSWITCH positions are not in configuration mode, this means that your AuraGate is not broadcasting. There is then a software or hardware

problem, turn the product off and then on again. If the problem persists, contact Opus Technologies technical support at support@opus-technologies.fr

Product Technical Specifications:

| RF | |
|--|--|
| Connectivity | Auracast™ (Bluetooth 5.2 and up) |
| Operation frequency | 2.402 to 2.480 MHz |
| Auracast™ mode | Transmitter |
| Encryption | AES-CCM |
| Transmitter power | 10 dBm (European Union) and 20 dBm (United States of America) |
| CONTROL | |
| Mechanical button functions | 4 switches : First function : Micro/LINE/Phantom Second function : set to BLE/CONFIG/UPDATE or AURACAST mode |
| Configuration | AuraConnect application |
| Update | AuraConnect application |
| PERIPHERALS | |
| Status LED | RGB multifunction |
| AUDIO OUTPUT (AURACAST™) | |
| Auracast™ stereo | Quality : 16, 24 or 48 kHz |
| Multi-channel | Up to 2 Auracast™ stream |
| Mesured range | 150m (open range) |
| AUDIO INPUT (PHYSICAL) | |
| Mode | Mono |
| Connexion | 3 pin (differential) |
| Impedance | 4 or 8 Ohm |
| Nominal output | 400 mW |
| AUDIO INPUT | |
| LINE or MICRO inputs | 2x LINE/MICRO inputs |
| 100 V input | 1x 100 V terminal input |
| SPDIF input | 1x SPDIF input |
| USB input | 1x USB-C input |
| Compatible with our LD Opus Technologies product range | |
| Onboard microphone | Yes |
| AUDIO PROCESSING | |
| Sample rate | 16 kHz |
| | 24 kHz |
| | 48 kHz |
| Codec | LC3 |
| Frequency responses | 16 kHz : 50 to 7.500 Hz |
| | 24 kHz : 50 to 11.000 Hz |
| | 48 kHz : 50 to 19.500 Hz |
| Latency | 30 ms |
| Automatic Gain Control (AGC) | Yes |

POWER AND CHARGING

| | |
|-----------------|-------------|
| Power supply | USB-C |
| Power | 5 V, 300 mA |
| Dock connection | USB-C / PoE |

Product specifications

| | |
|------------------------|-------------------|
| Dimensions (L x W x D) | 190 x 190 x 50 mm |
| Weight | 250 g |
| Temperature storage | -15 to 60°C |

INSTALLATION

AuraGate is easy to install on a wall, ceiling, behind a screen or integrated into a furniture. Simply screw its safety mounting bracket and clip the AuraGate!


USE

Power the AuraGate using its supplied power supply. At start-up, connect your AuraConnect application to the terminal. Configure the broadcast name, audio quality, range and, if required, an access code, and you're ready to go! If you've chosen a code connection, share the code and QR Code with the room manager, or print it out.


10. Warranty and technical support

The AuraGate benefits from a 5-year manufacturer warranty corresponding to 3 years + a 2-year extension valid upon product registration.

If you have any problems or questions regarding the installation and use of your AuraGate, you can contact our technical support:

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

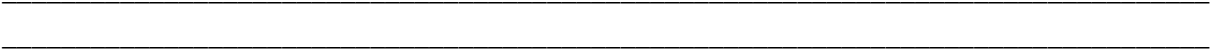
 **Address** : Opus Technologies, 4 Allée Pierre-Gilles de Gennes, 33650 Martillac, France

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

Thank you for choosing AuraGate and we remain at your disposal for any further assistance.

INSTALLATION MANUAL VERSION:

- Manual version: V1.0 03.2025. Associated firmware: V1.2



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