

Multi-zone controller

AioCTLw

AioCTLb

USER GUIDE

H11857 / H11858 - Version 1 / May 2026

Technical and safety advice

Before installing and using this appliance, please read this manual carefully.

- Please keep this document in a safe place so that you can refer to it later.
- Please note that this product is intended for installation by professionals only.
- The purpose of this document is to provide professional installers with guidance on the installation, configuration and safety of this product in standard fixed installations.
- Please read this document and all safety instructions before proceeding with the installation.
- Please note that this product does NOT include the flush-mounted electrical box or the fixing screws required to install the controller.
- Use a standard flush-mounted electrical box and fixing screws suitable for the wall material and installation conditions.
- All audio products in the Aio series must be installed in accordance with local, regional, national and industry regulations. It is the installer's responsibility to ensure that the installation complies with all applicable standards, including local building codes and regulations. Please consult the relevant local authority before installing this product.
- Do not install the product in areas where condensation may form.
- To reduce the risk of fire or electric shock, DO NOT expose this product to rain, liquids or moisture.
- This product is not intended for installation or use in indoor aquatic areas (including, but not limited to, indoor swimming pools, indoor water parks, jacuzzi rooms, saunas, steam rooms and indoor ice rinks).
- Keep the product away from fire and any source of heat.
- DO NOT place any open flames, such as lit candles, on or near the product.
- Do NOT make ANY unauthorised modifications to this product.

This handbook is divided into sections covering the following topics:

- 1. Introduction
- 2. Log in
- 3. Assembly
- 4. How it works
- 5. Adjustment
- 6. Management
- 7. Reset
- 8. Technical specifications

Important safety instructions

- Please read these instructions.
- Please keep these instructions.
- Please observe all safety warnings.
- Follow all the instructions.
- Do not use this appliance near a source of water.
- Clean using only a soft, dry cloth.
- Do not install near heat sources such as radiators, heating vents, stoves or any other equipment (including amplifiers) that generates heat.
- Only use accessories recommended by the manufacturer.
- Always have maintenance work carried out by a qualified technician. Service is required if the appliance has suffered any damage, for example if the power cord or plug is damaged, if liquid has been spilled or objects have fallen inside the appliance, if the appliance has been exposed to rain or moisture, if it is not operating normally, or if it has been dropped.

FOR CUSTOMERS IN EUROPE

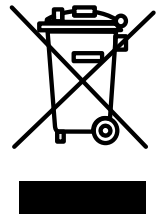
Information for users

This product complies with the requirements of European directives and other Commission regulations.



Environmental Statement

This product complies with international directives, including the Restriction of Hazardous Substances (RoHS) Directive for electrical and electronic equipment, the REACH Regulation (Registration, Evaluation, Authorisation and Restriction of Chemicals) and the Waste Electrical and Electronic Equipment (WEEE) Directive. Please consult your local waste management authorities for information on how to recycle or dispose of this product correctly.



EC Declaration of Conformity

This product complies with all the essential requirements and other specifications set out in the Directive

- 2014/35/EU (LVD)
- 2014/30/EU (EMC)
- 2011/65/EU (RoHS)

The full EU declaration is available at audiophony-pa.com.

1. Introduction

1.1 Description of the device

The multi-zone controller is a wall-mounted device designed to allow remote control of the volume, input sources and audio zones of the AIO series amplifiers:

Each multi-zone controller can control either a single zone or up to 8 separate zones configured in the AioControl:

- If the user has configured the multi-zone controller with a single audio zone, the device operates as a single-zone controller.
- If the user has configured the multi-zone controller with multiple audio zones, the device will function as a multi-zone controller.

The operation of the multi-zone controller is described in Chapter 4, 'Operation', on page 8.

It is possible to assign multiple multi-zone controllers to a single zone, although it is not recommended to connect more than eight multi-zone controllers per Aio series amplifier.

1.2 Hardware requirements

Multi-Zone Controllers are only compatible with AIO series amplifiers running **firmware version 2026 .9.1** or later. Please ensure that the firmware installed on the AIO series amplifier is updated before attempting to install and configure the Multi-Zone Controller devices. Visit the AIO series support page (audiophony-pa/aio/) to check for and download the latest firmware version.

Please note that the multi-zone controller is not self-powered. The device is powered via a standard PoE switch (or a PoE injector) and a Cat5 cable (or higher).

Please note that multi-zone controllers are not compatible with Aio series amplifiers that are not connected to the network.

Please note that this product is not compatible with amplifiers from other brands, i.e. those not sold under the Aio brand.

1.3 Technical specifications of the device

Evaluation of input data

Connector: RJ45 with a small strain reliefsleeve or without a sleeve

Cables: Category 5e (or higher-performance STP cables)

Class I PoE device, 48 V

Power consumption

3.84 W max.

Dimensions (H x W x D)

87 × 87 × 43 mm

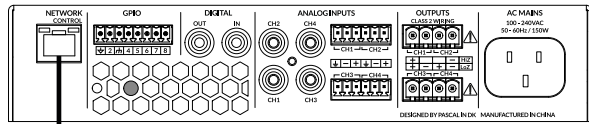
Weight

120g

Operating temperature range

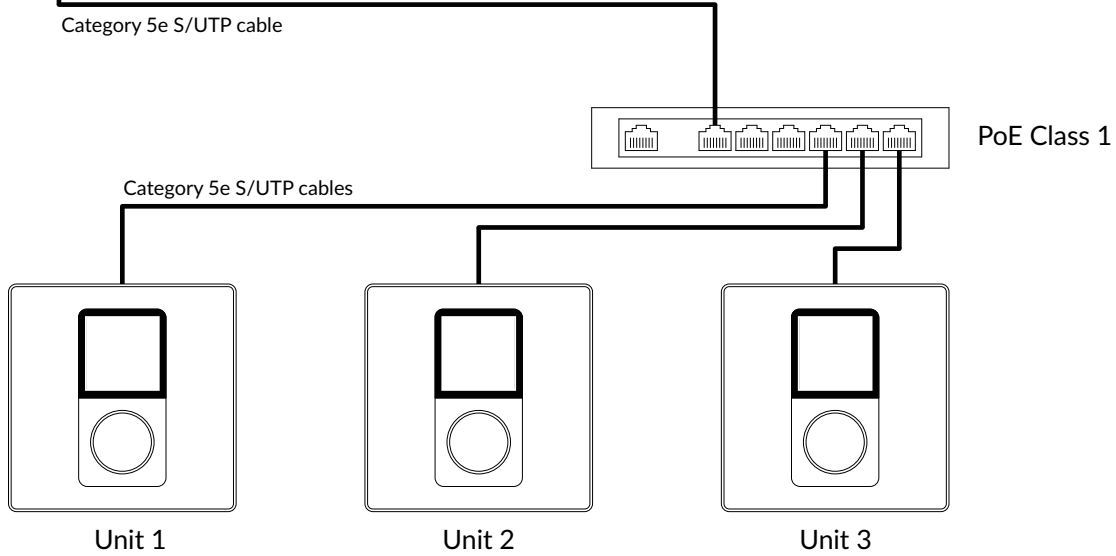
0 to 40 °C (32 to 104 °F)

2. Log in



2.1 Connecting devices

The illustration below shows how to connect multiple multi-zone controllers to Aio series amplifiers using a standard PoE network switch and a Cat5 cable.



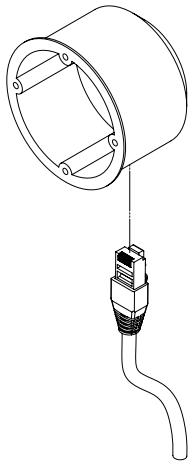
3. Assembly

3.1 Installing the device

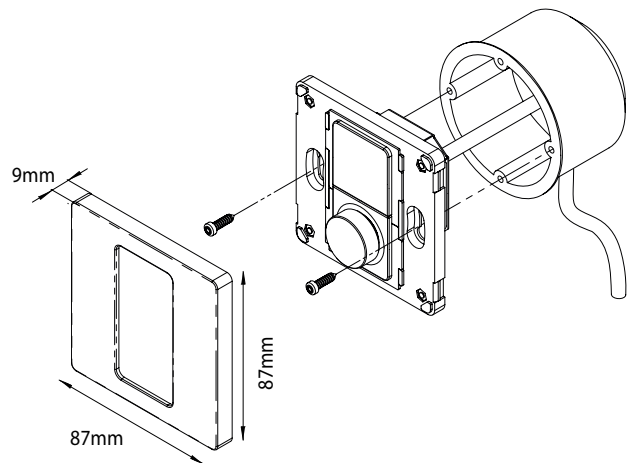
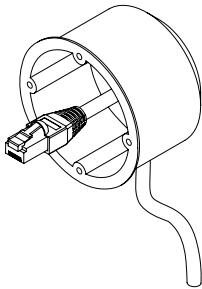
Please note that this product does NOT include the flush-mounted electrical box or the installation screws required to fit the controller.

Use a standard flush-mounted electrical box and fixing screws suitable for the wall material and installation conditions.

1. Feed the Ethernet cable through the electrical box.



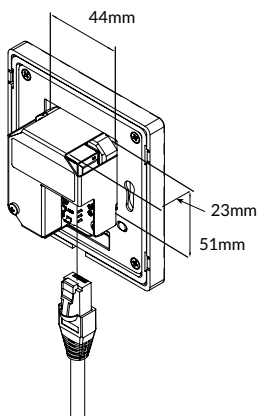
2. Fix the electrical box to the wall.



4. Remove the front panel.

Screw the multi-zonecontroller into the electrical box , taking care not to overtighten the screws so as not to distort the controller.

- Put the front panel back in place and click it into position.



3. Connect the Ethernet cable to the multi-zone controller .

4. How it works

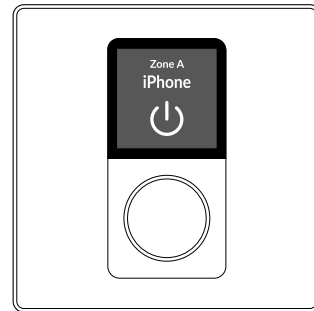
4.1 How the device works

The multi-zone controller has been designed to be simple and intuitive to use.

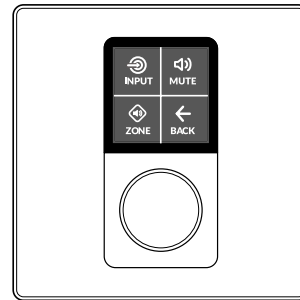
Once the device has been installed and set up, the user controls all its functions using a highly responsive rotary knob, whilst all relevant information is displayed on a high-resolution colour screen.

- The dial is very responsive, making it very easy to navigate the menus and adjust the settings.
- When navigating a menu or adjusting a setting by turning the dial, the user feels a tactile change in the units thanks to a slight 'click' sensation transmitted from the dial to their fingers.
- When the device is operated by pressing and then releasing the rotary knob, the user feels a distinct click and hears a click, confirming that the action has been carried out.
- Depending on the previous configuration (a single audio zone or multiple audio zones; see Chapter 5 , 'Configuration', on page 8), the device operates as a single-zone or multi-zone controller .

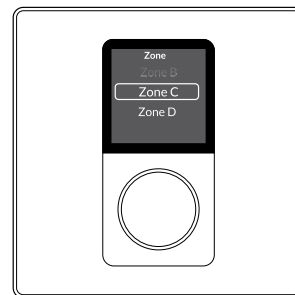
The main functions of the single-zone controller and the multi-zone controller are used as described below.



Home screen



Multi-zone controller with four menu options



Multi-zone controller with the 'Zone' menu selected

Single-zone controller



Turn the dial anticlockwise to turn the volume down.
Turn the dial clockwise to increase the volume.



Press the rotary knob once to access the input sources.



Turn the dial to view the available input sources. Press to confirm your selection.



Hold down the rotary button to access the 'Settings' menu.

Multi-zone controller



Turn the dial anticlockwise to turn the volume down.
Turn the dial clockwise to increase the volume.



Press the rotary button once to select the fourth option in the menu.



Turn the dial to view the available input sources and audio zones. Press to confirm your selection.



Turn the dial to access one of the four menus. Press to confirm your selection.



Hold down the rotary button to access the 'Settings' menu.

5. Configuration

5.1 Setting up the device

Note: When connecting multiple multi-zone controllers to a single amplifier, we recommend that you complete all steps of the setup procedure before connecting and configuring any additional devices.

Step 1: Switching on the appliance

Once the multi-zone controller is powered up via the connected Ethernet cable, the device switches on and displays the welcome logo for a few seconds. The welcome logo disappears and is replaced by the setup screen. The setup screen displays the following:

- Device pairing code
- Option to change the IP address ['Edit IP Settings']



Step 2: Change the device's IP settings (if necessary)

When the device is connected to an Aio series amplifier via a network router, an IP address (dynamic DHCP) is automatically assigned to the multi-zone controller.

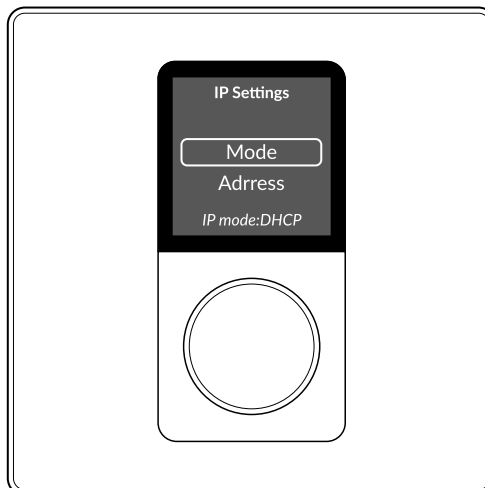
- This is the default setting; in this case, there is no need to change the IP settings.

However, if the device is connected to an Aio series amplifier via a network switch, you must configure a static IP address.

During the initial setup, this operation can only be carried out on the device itself, by following the steps described below.

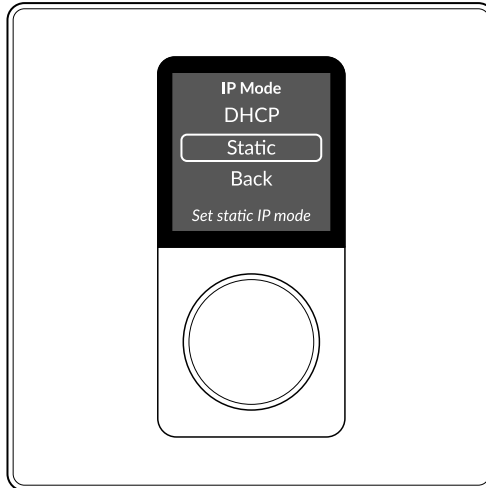
1. Press the rotary button to confirm the 'Change IP settings' action
2. The screen will display several options.

Turn the dial one click to the left (anti-clockwise), then press it to confirm your selection of the option labelled 'MODE'.



5. Configuration

3. Press the rotary button to confirm your selection of the 'Static' option.



4. You will automatically return to the previous menu.

IMPORTANT - Skip straight to step 12 if this is not the first device you are connecting to this amplifier!

5. Turn the dial 4 notches to the right (clockwise) to access the option labelled 'Back'.

6. Press the dial to confirm your selection of the 'Back' option.

7. The following message will appear: "Apply IP address changes?"



8. Press the dial to confirm your selection of the 'Yes' option.

9. You will then see exactly the same screen as at the start of the procedure, displaying a pairing code, as shown in the image below.



5. Configuration

10. You have now completed all the necessary steps to change the IP settings required when setting up the first device to be connected to the amplifier.

IMPORTANT – When connecting multiple devices to the same amplifier, you must carry out the additional steps described below after step 5 to ensure that each device has a unique IP address.

11. Turn the dial one notch to the right (clockwise) and press it to confirm your selection of the option labelled 'Address'.



12. Press the rotary button several times until the last digit of the IP address is selected.



13. Turn the dial to the right (clockwise) to change the last digit of this device's IP address, so that it does not match that of any other device also connected to the same amplifier. (For example, for the second device, change the last digit to 2; for the third, change it to 3, and so on).

14. Press the dial to confirm the change and exit (as shown on the screen).

15. Turn the dial three notches to the right (clockwise) to access the option labelled 'Back'.

16. Press the rotary button to confirm your selection of the 'Back' option.

17. The question 'Apply IP changes?' will appear.

5. Configuration

18. Turn the dial one click to the left (anti-clockwise) and press it to confirm your selection of the 'Yes' option.



19. You will then see exactly the same screen as at the start, displaying a pairing code.



20. You have now completed all the necessary steps to change the IP settings required when setting up the second, third or any other device to be connected to the amplifier.

5. Configuration

Step 3: Connect to the amplifier using the AioControl web page

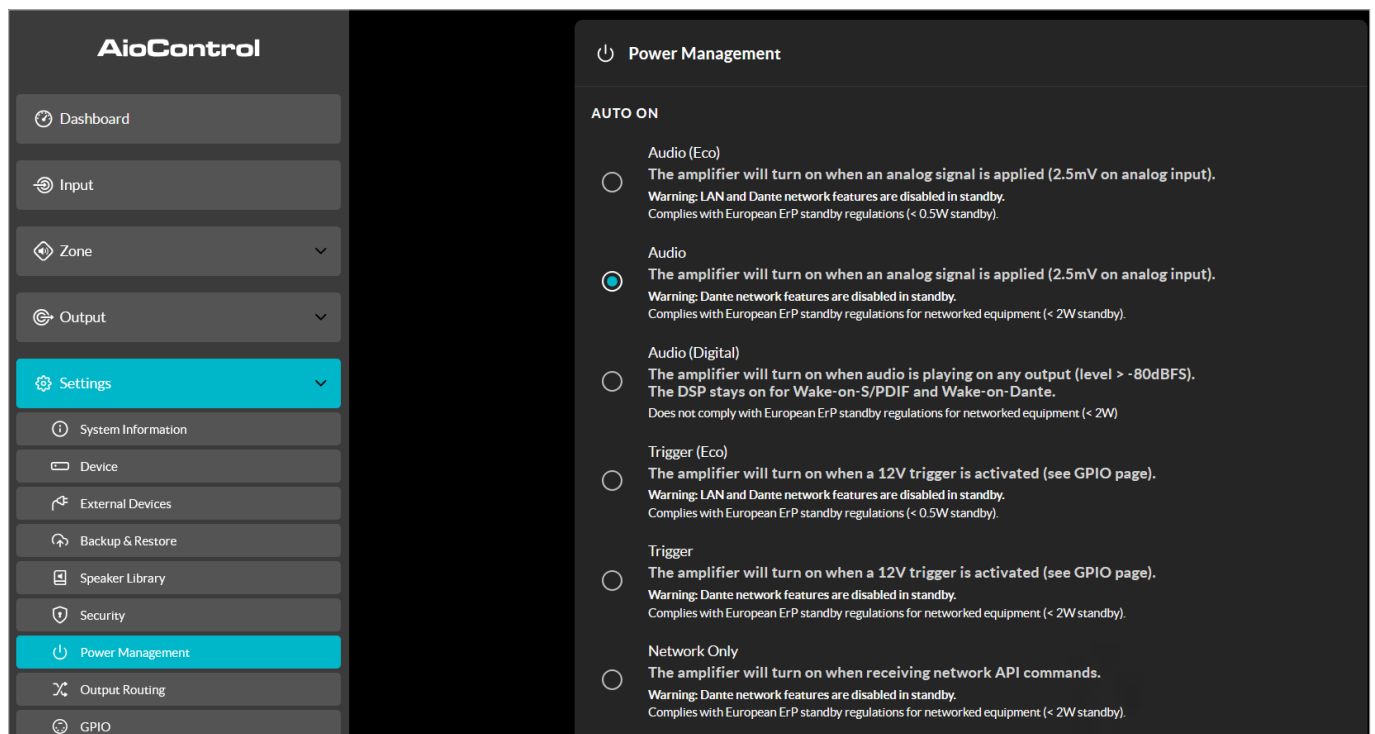
If you haven't already done so, connect to your Aio series amplifier now from your phone, tablet or computer using the Aio-Control web page.

If you need a quick refresher on how to get started, take a look at the Aio Series amplifier quick start guide.

**IMPORTANT – Once the device is connected to the amplifier, we strongly recommend that you change the power supply
Set the management setting to 'Network only'.**

This recommendation is based on two main reasons:

- The default setting labelled 'Audio' may prevent you from using the (optional) function that allows you to switch off the amplifier directly from the wall-mounted controller.
- It is also not recommended to set the power management to one of the Eco modes ['Audio (Eco)' or 'Trigger (Eco)'], as with these settings, the amplifier may easily lose connection with networked devices.

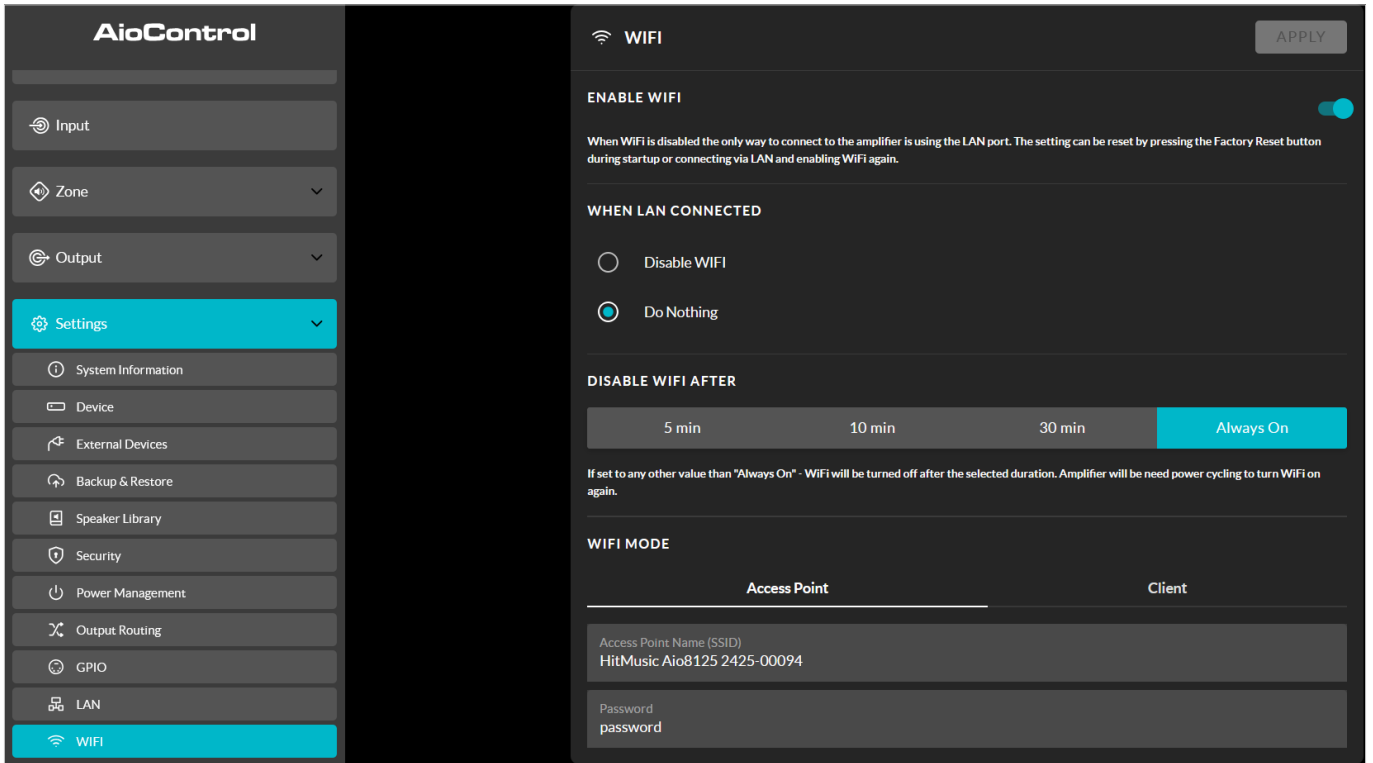


IMPORTANT - If you are accessing the web app by connecting to the amplifier via a wired network connection (Ethernet), we strongly recommend that you change the Wi-Fi settings as described below.

- In the 'Settings' menu, go to the 'Wi-Fi' settings and select the 'Turn off Wi-Fi' option when you are connected to the local network. Then click 'APPLY' in the top-right corner.

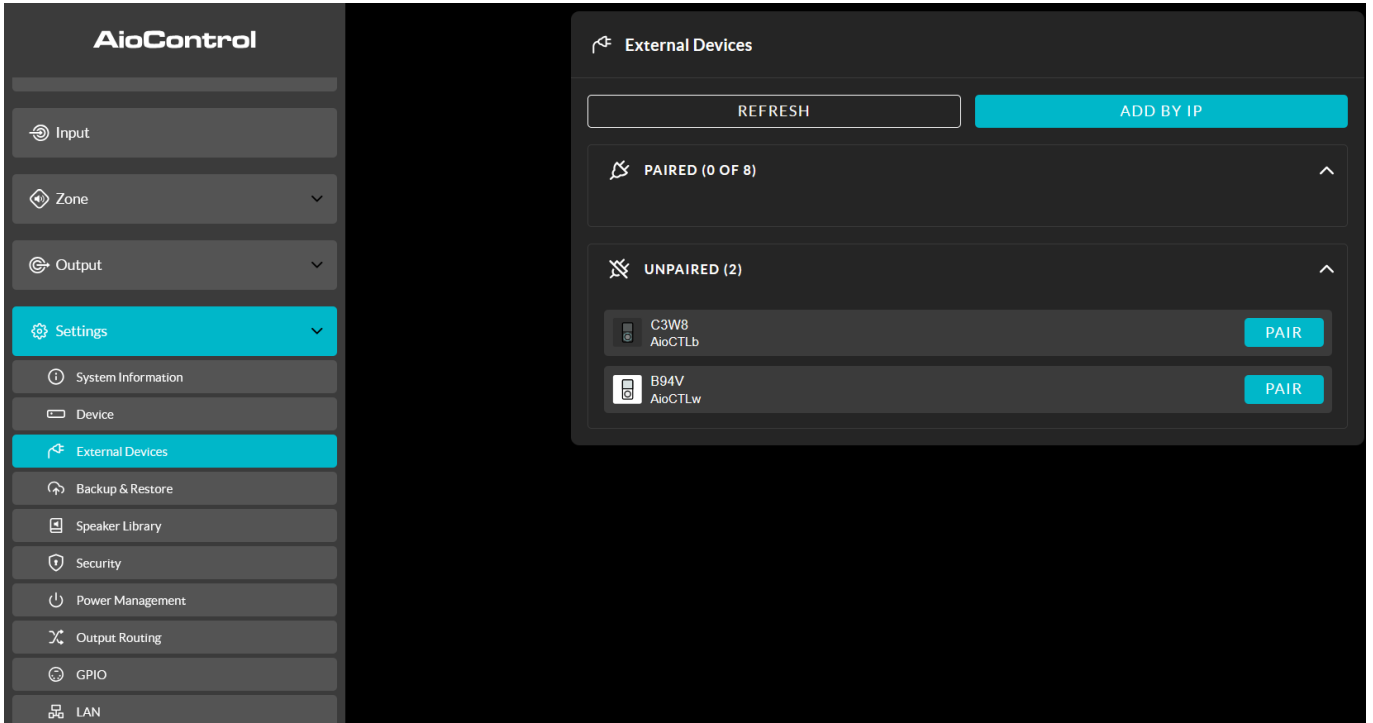
By changing these Wi-Fi settings, you will not only avoid any potential IP address conflicts, but you will also enhance the security of access to the amplifier and its connected devices.

5. Configuration



Step 4: Connect the device to the amplifier

To pair the multi-zone controller with the Aio series amplifier, go to the 'Settings' menu > 'External Device' in the web application.

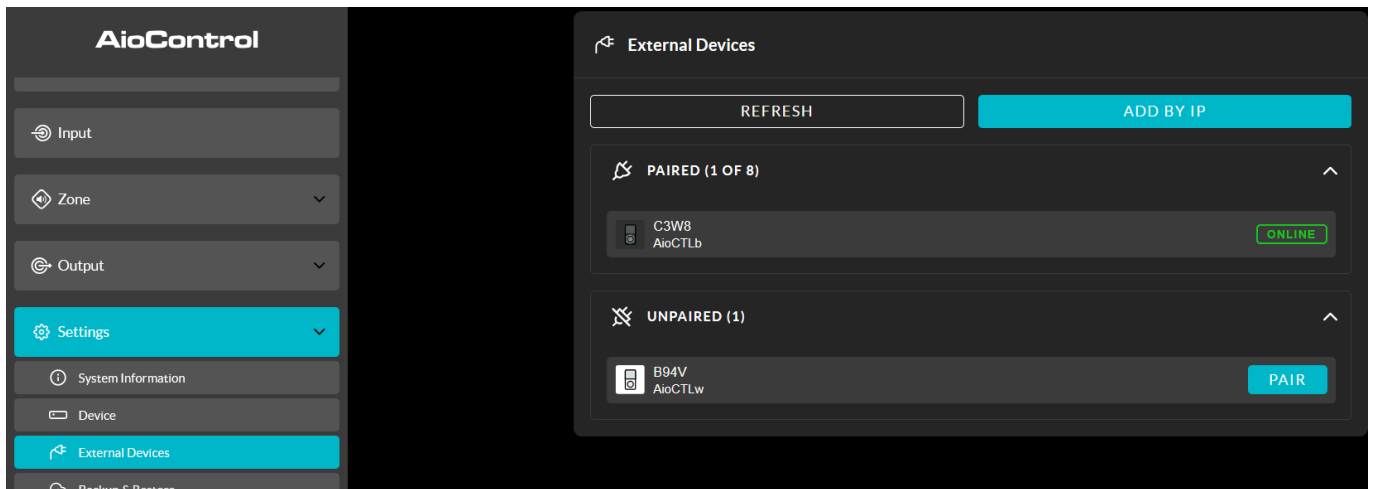


5. Configuration

The multi-zone controller you are currently setting up will appear in the list of 'unpaired' devices.

To pair the device, click the 'PAIR' button next to the relevant multi-zone controller.

Pairing the multi-zone controller with the Aio series amplifier takes just a few seconds. Once paired, the device will appear in the 'Paired Devices' section of the web app, accompanied by the green 'ON LINE' icon.

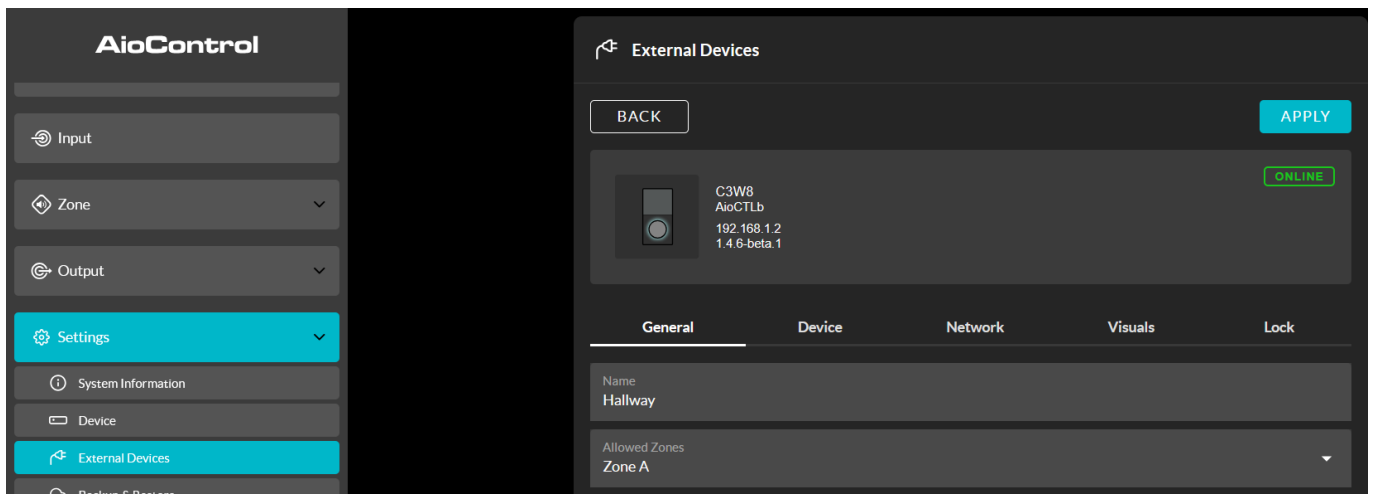


Step 5: Select one or more audio zones that the multi-zone controller is intended to control

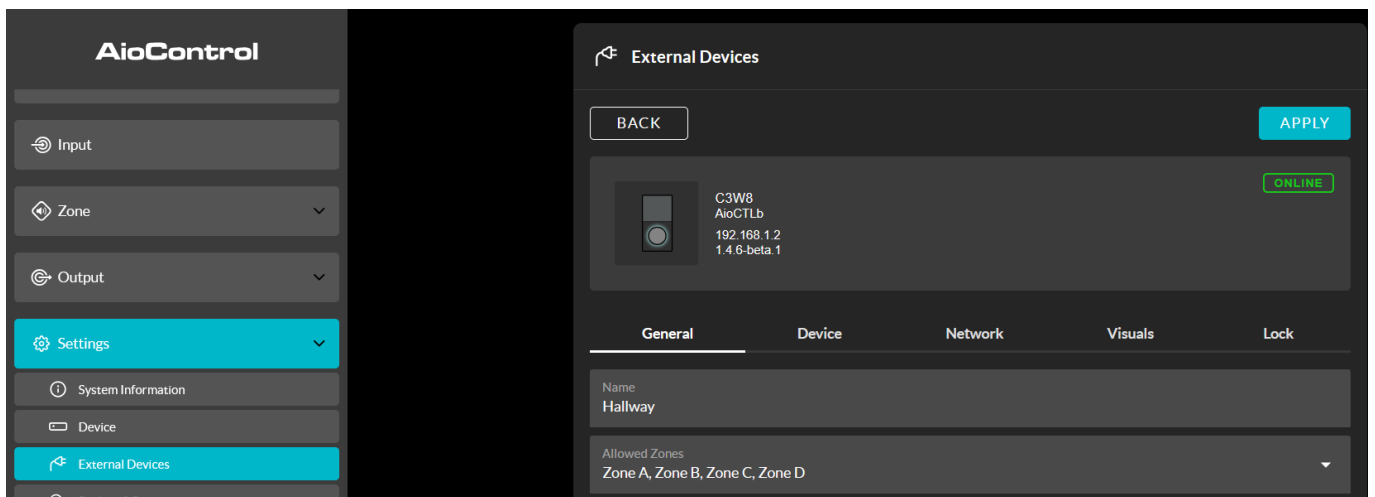
1. In the AioControl app, tap the device shown in the paired devices menu, then go to the 'General' tab.

You can link the multi-zone controller either a) to a single audio zone, or b) to multiple audio zones.

- 2a) **Single audio zone:** from the 'Allowed Zones' drop-down menu, select the desired zone (e.g. Zone A) that the device is intended to control.



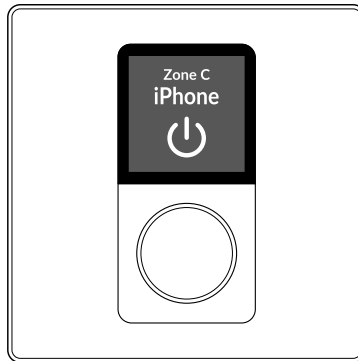
- b) **Multiple audio zones:** select the desired zones one by one from the 'Allowed Zones' drop-down menu (for example, Zone A, Zone B, Zone C and Zone D) that the device is intended to control.



5. Configuration

The multi-zone controller is now set up and can be used to remotely control the volume, input sources and audio zones to which it is linked.

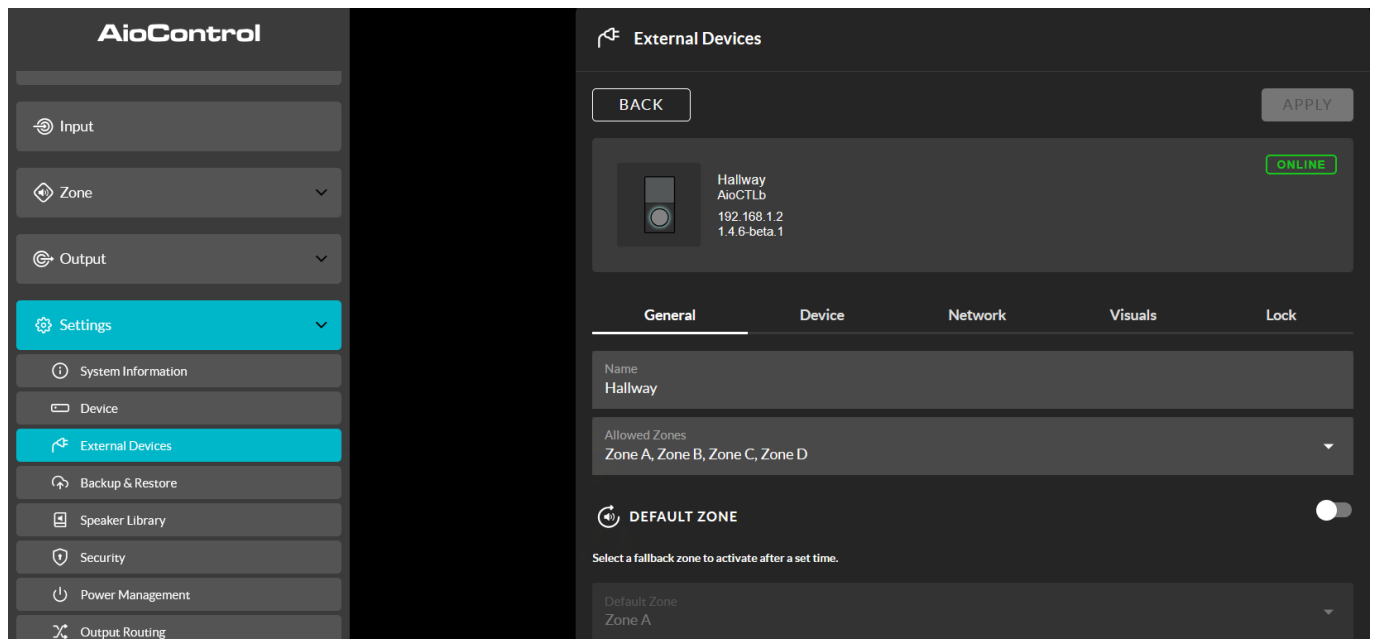
When you select an audio zone and an input on the AioCTL, that zone and input are immediately displayed on the main screen of the multi-zone controller.



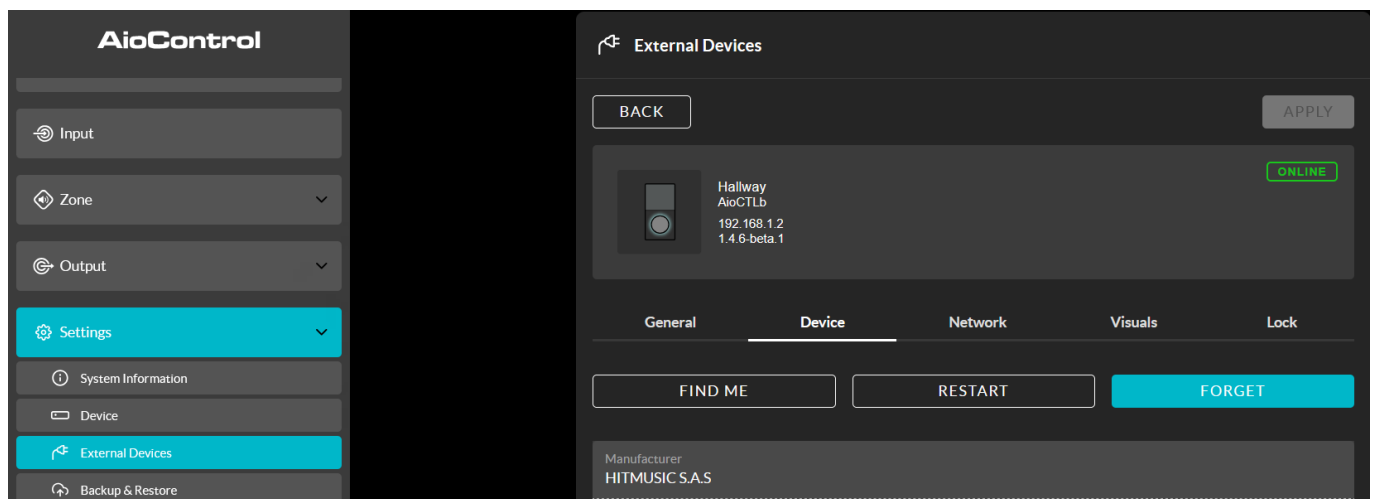
Step 6: Name the device

In the 'General' tab, you are now advised to enter a name for the device. We recommend using a name that describes the installation location or the purpose of the appliance (for example, 'Basement Bar').

Click 'APPLY' to confirm the name change.



To identify an individual multi-zone controller, select the 'Find Me' option from the 'Settings' > 'External Devices' menu in the web application. The display and indicator light on the connected device's rotary encoder will flash.



6. Management

6.1 Amplifier power on/off function

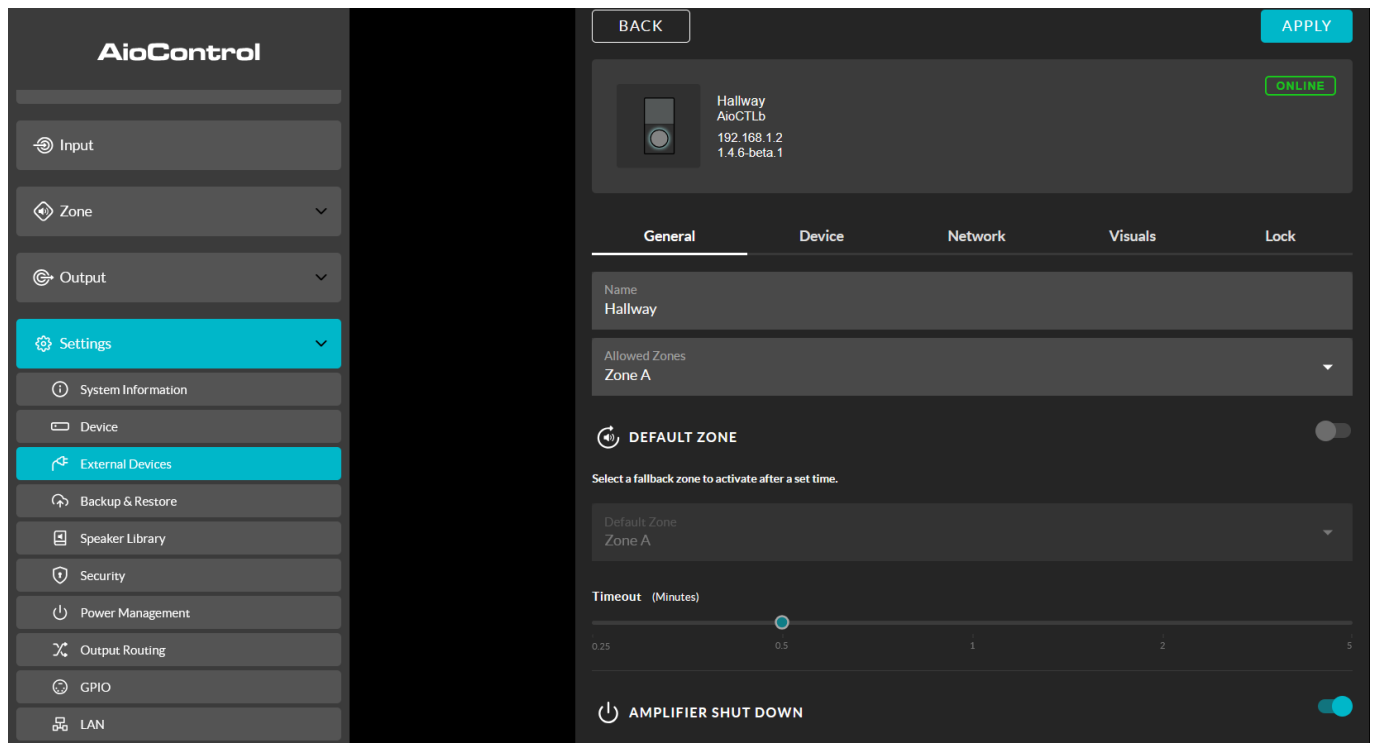
The amplifier can be switched on or off directly from the multi-zone controller.

By default, this feature is not enabled; you must therefore first enable it in the device settings via the AioControl web page.

Under the 'General' tab, you will find an option at the bottom labelled 'AMPLIFIER SHUT DOWN', along with a toggle switch to the right.

First of all, tap the button so that it appears as active (green).

Next, click 'APPLY' in the top-right corner to enable the feature.



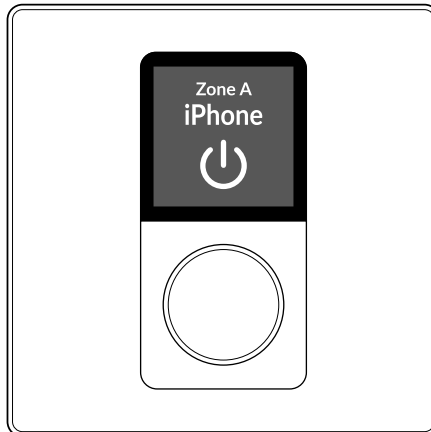
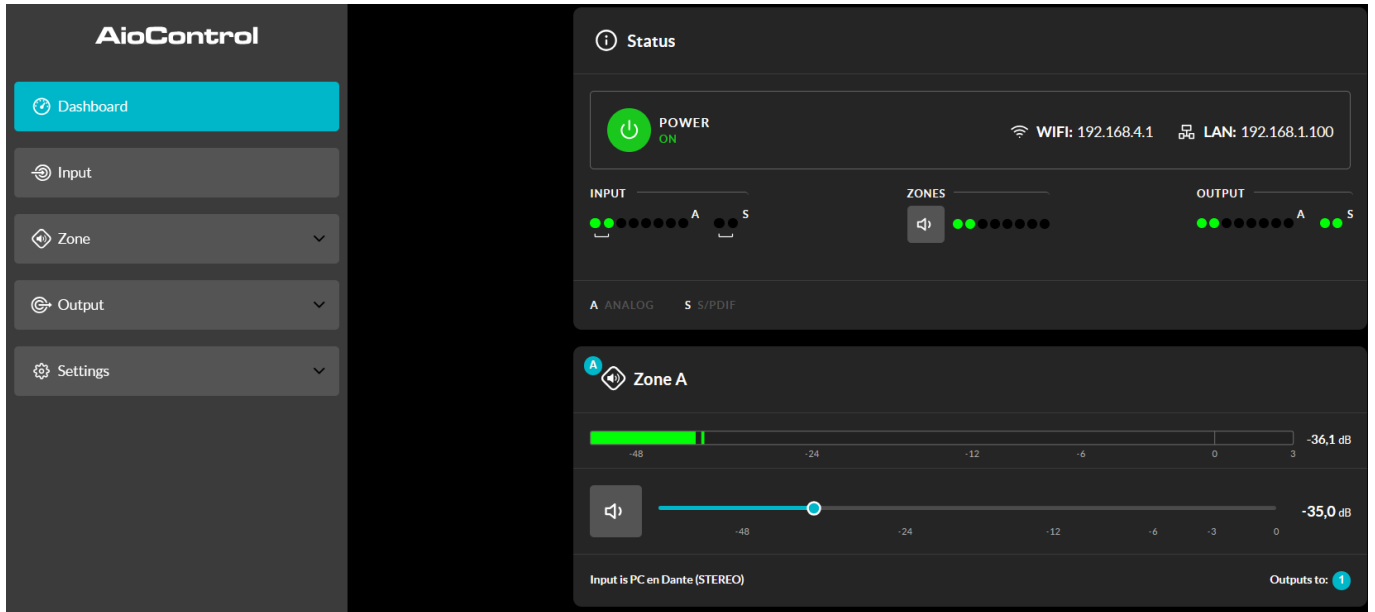
Once this function is enabled, you can switch the amplifier on and off directly from the multi-zone controller.

To switch off the amplifier (and put it into standby mode), follow the steps below.

1. Press and hold the rotary knob until the 'Power Off Amp' option appears (this appears in the settings menu when the function is enabled).
2. Press the rotary knob to confirm your selection of the 'Switch off amplifier' option.
3. The following question will appear "Power Down Amplifier?"
4. Turn the dial to highlight the 'Yes' option, then press it to confirm your choice.

When the amplifier is in standby mode, this information is displayed both in the 'Dashboard' section of the AioControl web app and on the screen of the multizone controller itself. (See next page)

6. Management



To switch on the amplifier (taking it out of standby mode), follow the steps below.

1. Press the rotary knob.
2. The following question will appear “Power Up Amplifier?”
3. Turn the dial to highlight the ‘Yes’ option, then press it to confirm your choice.

6.2 Display backlight settings: Brightness – Customisation

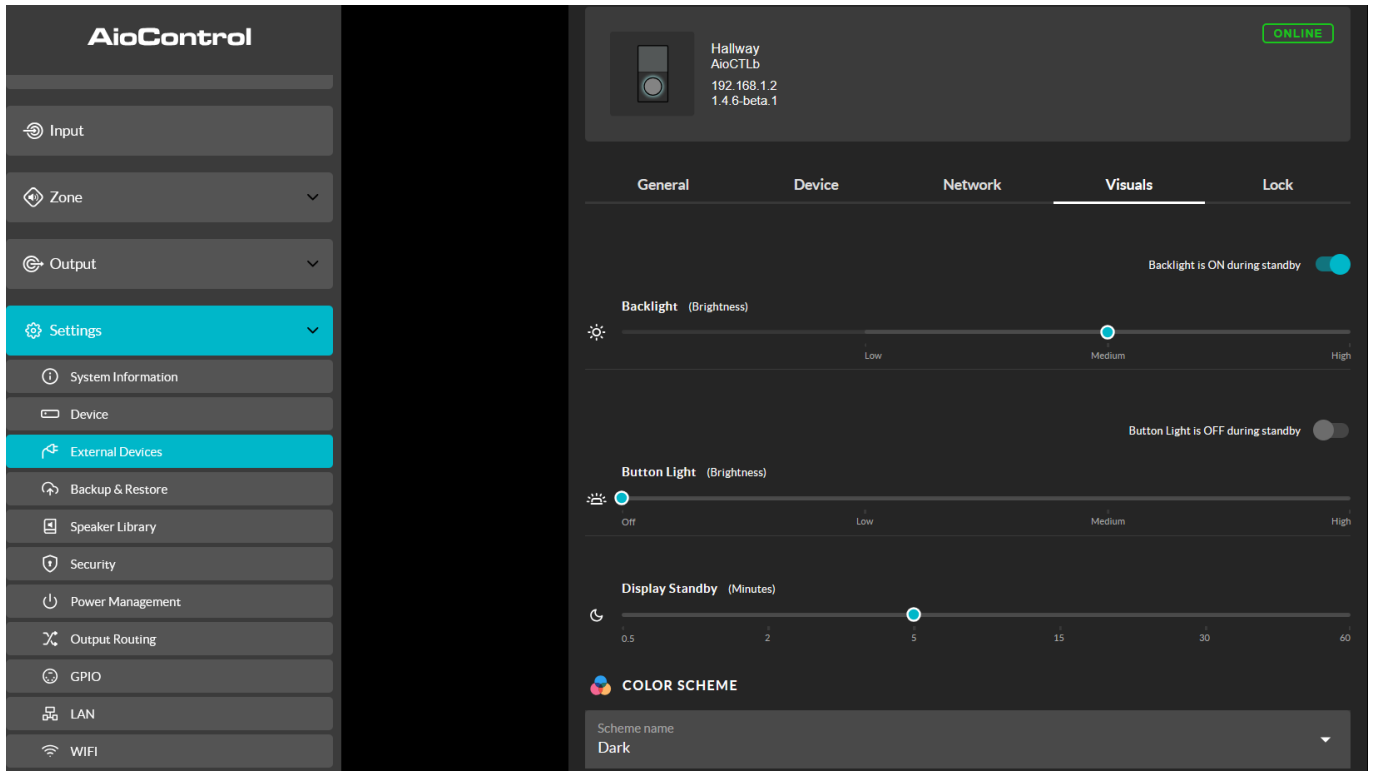
Thanks to the colour LCD screen, the user can clearly see the zone to which the controller is assigned, the selected audio source and the current volume level. The high-resolution screen provides sufficient space for a font size that allows the user to read and navigate the text and menu settings with ease.

The brightness of the screen’s backlight can be adjusted to suit the environment and the user’s preferences. This setting can be adjusted directly on the wall-mounted controller or via the AioControl app. There are three adjustment settings available:

- Low (the dimmest)
- Medium
- High (brightest)

In the AioControl app, tap the device shown in the paired devices menu, then go to the ‘Visuals’ tab. Select the desired brightness level, then tap the ‘**APPLY**’ button in the top-right corner to apply the change.

6. Management



The screen backlight brightness can also be adjusted in the AioCTL settings menu. To change the screen backlight brightness via AioCTL, follow the steps below.

1. Press and hold the dial until the settings menu appears.
2. Press the rotary button to confirm your selection of the 'Settings' menu.
3. Press the rotary button to confirm your selection of the 'Visuals' menu.
4. Press the rotary button to confirm your selection in the 'Backlight' menu.
5. Turn the dial left and right to scroll through the available options, as shown on the screen.
6. Press the dial to select the desired screen backlight brightness.
7. Turn the dial one notch to the right (clockwise) to access the option labelled 'Back'.
8. Press the dial to confirm your selection of the 'Back' option.
9. Turn the dial two notches to the right (clockwise) to access the option labelled 'Back'.
10. Press the rotary button to confirm your selection of the 'Back' option.
11. The question 'Apply Visual Changes?' will appear.
12. Turn the dial to highlight the 'Yes' option, then press it to confirm your choice.
13. Turn the dial two notches to the right (clockwise) to access the option labelled 'Back'.
14. Press the rotary button to confirm your selection of the 'Back' option.
15. You will then return to the main screen, which displays the zone, the input source and the volume level for that zone.

6. Management

6.3 Screen backlight settings: Market Intelligence - Customisation

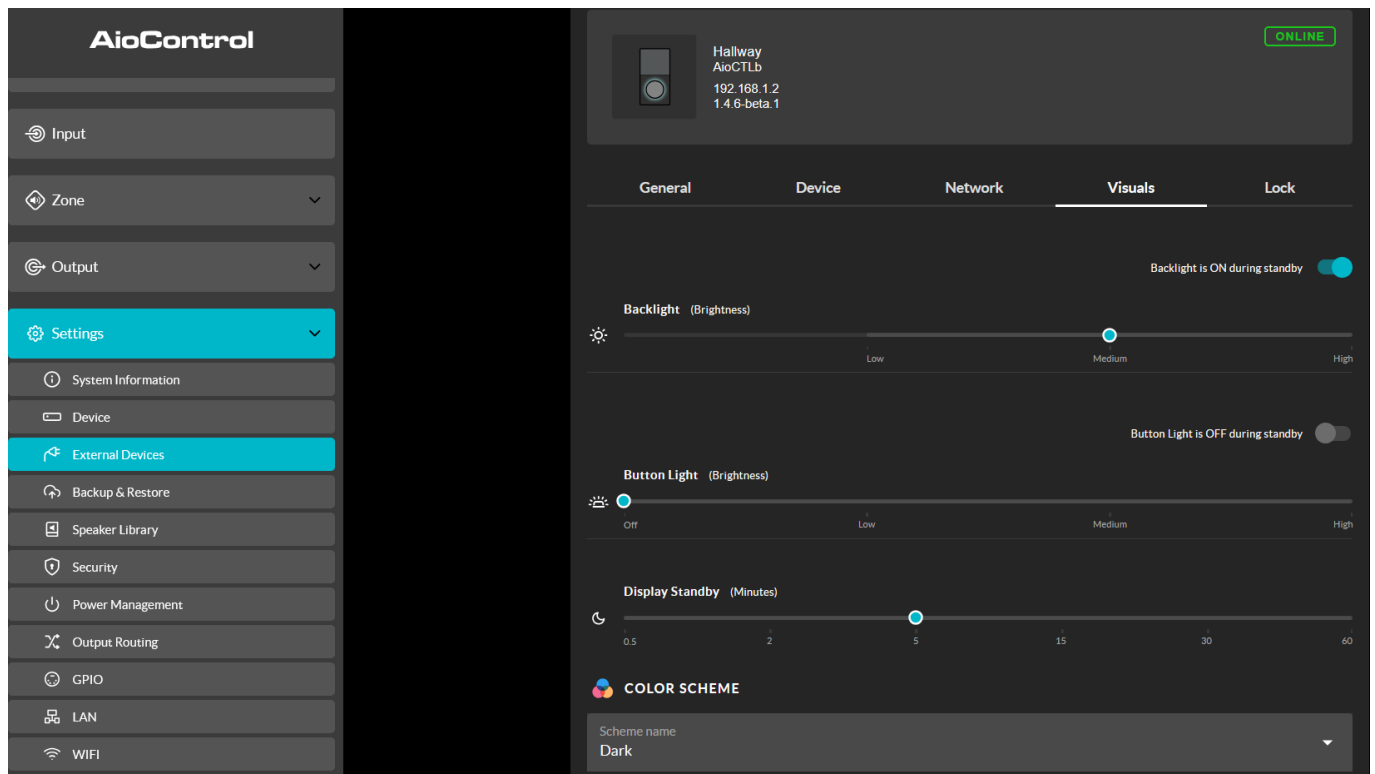
To improve the user experience, the screen backlight can also be turned off when the device is in standby mode.

This feature is particularly useful when the lighting conditions in the room change, for example when moving from bright sunlight during the day to a more subdued atmosphere in the evening. Please note that when the backlight is turned off, the screen appears completely black to the user and no longer displays the zone, the selected source or the volume level for the corresponding zone.

The setting can be adjusted directly on the controller or changed via the AioControl app.

In the 'Visuals' tab of the AioControl app, start by flicking the switch to the left so that the message 'Backlight is OFF during standby' appears.

Next, click the 'APPLY' button in the top-right corner to enable the feature.



It is also possible to turn off the screen when the device is in standby mode, via the settings menu in AioCTL itself.

To disable the display when the screen is in standby mode via the multi-zone controller, simply follow the steps below.

1. Press and hold the dial until the settings menu appears.
2. Press the rotary button to confirm your selection of the 'Settings' menu.
3. Press the rotary button to confirm your selection of the 'Visuals' menu.
4. Press the rotary button to confirm your selection in the 'Backlight' menu.
5. Turn the dial one notch to the left (anti-clockwise) to access the option labelled 'Standby'.
6. Press the rotary button to confirm your selection of the 'Standby' menu.
7. Turn the dial to the left or right to switch between the screen sleep options 'ON' and 'OFF'.
8. Press the rotary knob to confirm your preferred setting for the screen standby mode (the 'ON' position means that the screen backlight remains on even when the multi-zone controller is in standby mode).
9. Turn the dial two notches to the right (clockwise) to access the option labelled 'Back'.
10. Press the rotary button to confirm your selection of the 'Back' option.

6. Management

11. Turn the dial two notches to the right (clockwise) to access the option labelled 'Back'.
12. Press the rotary button to confirm your selection of the 'Back' option.
13. The question 'Apply Visual Changes?' will appear.
14. Turn the dial to highlight the 'Yes' option, then press it to confirm your choice.
15. Turn the dial two notches to the right (clockwise) to access the option labelled 'Back'.
16. Press the rotary button to confirm your selection of the 'Back' option.
17. You will then return to the main screen, which displays the zone, the input source and the volume level for the corresponding zone.

6.4 Adjusting the backlight on the rotary knob: Brightness - Customisation

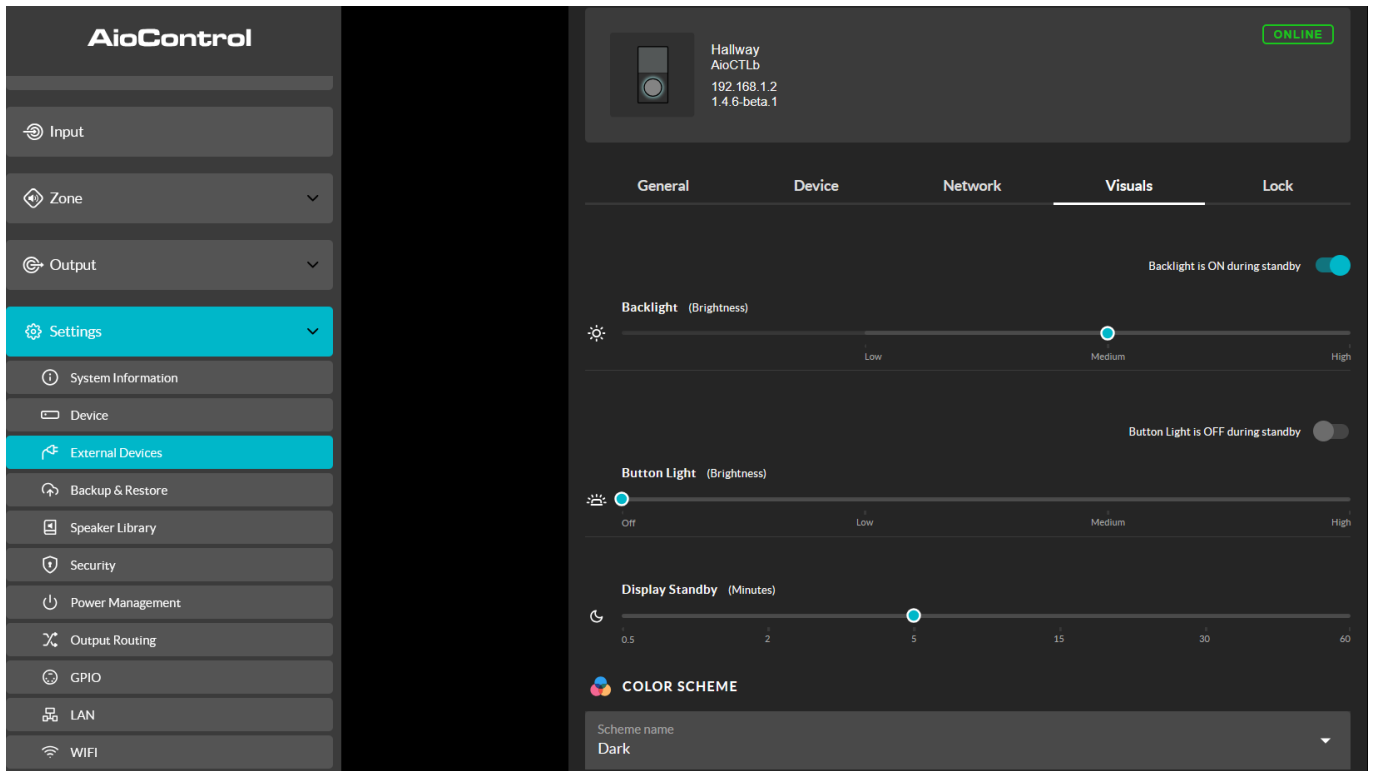
The brightness of the backlight behind the rotary knob can be adjusted to suit the environment and the user's preferences. There are four brightness settings available:

- Off (no light)
- Low (the dimmest)
- Medium
- High (brightest)

The setting can be adjusted directly on the wall-mounted thermostat or changed via the AioControl web app.

Using the web application, the brightness of the rotary knob's backlight can be quickly adjusted using the slider in the centre of the 'Visuals' tab.

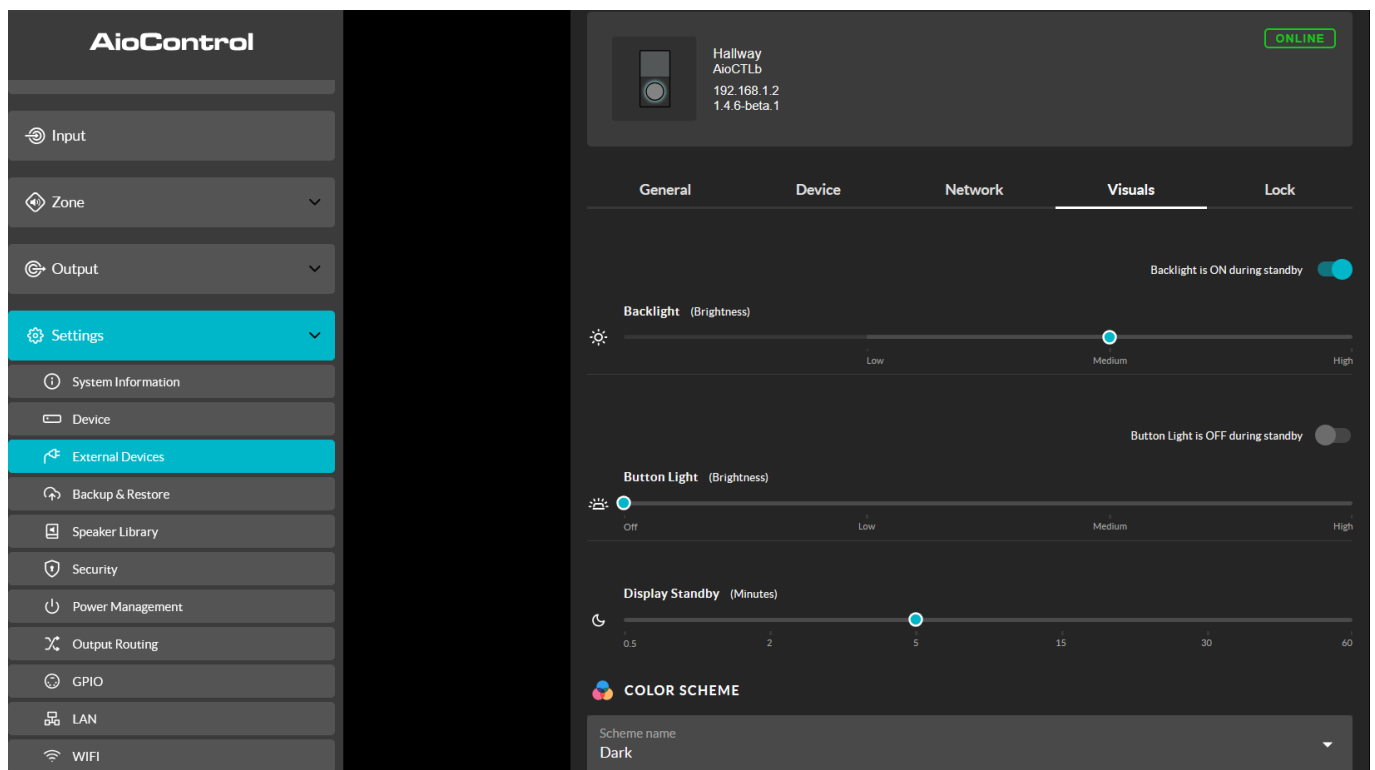
Simply select the desired brightness level, then click the 'APPLY' button in the top-right corner to confirm the change.



6. Management

The brightness of the rotary knob's backlight can also be customised in the settings menu of the multi-zone controller itself. To adjust the brightness of the rotary knob's backlight via the multi-zone controller, simply follow the steps outlined below.

1. Press and hold the rotary button until the settings menu appears.
2. Press the rotary button to confirm your selection of the 'Settings' menu.
3. Press the rotary button to confirm your selection of the 'Visuals' menu.
4. Turn the dial one click to the right (clockwise) and press it to confirm your selection of the option labelled 'Button light'.
5. Press the rotary button to confirm your selection of the 'Brightness' option.
6. Press the rotary button to confirm your selection of the 'Brightness' menu.
7. Turn the dial to the left or right to switch between the four options: 'OFF', 'LOW', 'MID' and 'HIGH'.
8. Press the dial to confirm your setting.
9. Turn the dial one notch to the right (clockwise) to access the option labelled 'Back'.
10. Press the rotary button to confirm your selection of the 'Back' option.
11. Turn the dial one notch to the right (clockwise) to access the option labelled 'Back'.
12. Press the rotary button to confirm your selection of the 'Back' option.
13. The question 'Apply Visual Changes?' will appear.
14. Turn the dial to highlight the 'Yes' option, then press it to confirm your choice.
15. Turn the dial two notches to the right (clockwise) to access the option labelled 'Back'.
16. Press the rotary button to confirm your selection of the 'Back' option.
17. You will then return to the main screen, which displays the zone, the input source and the volume level for the corresponding zone.



6. Management

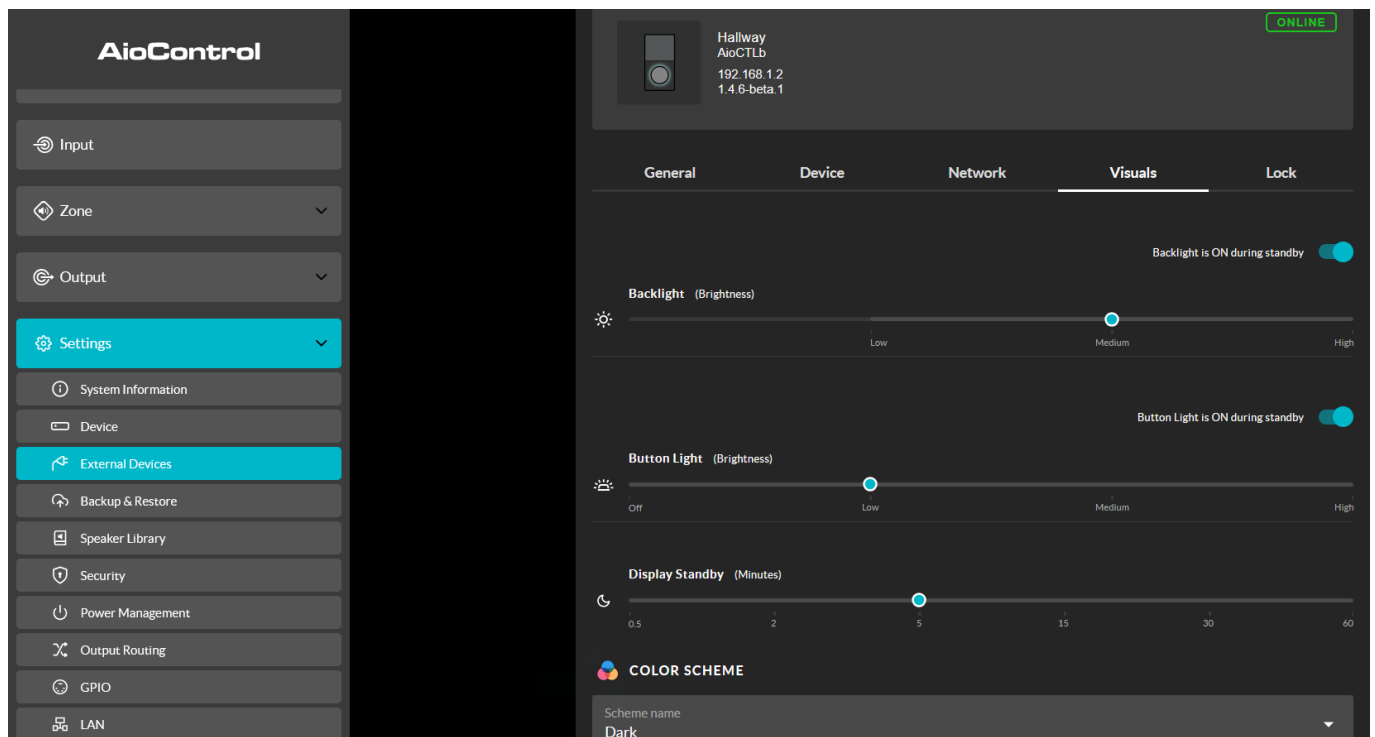
6.5 Rotary knob backlight settings: Market Intelligence - Customisation

To enhance the user experience, the backlighting of the rotary knob can also be turned off when the screen is in standby mode.

This feature is particularly useful when the lighting conditions in the room change, for example when moving from bright daylight to a more subdued atmosphere in the evening.

The setting can be adjusted directly on the wall-mounted controller or changed via the Aio web app. In the web application, start by flicking the switch to the left so that the message 'Button Light is OFF during standby' appears.

Next, click the 'APPLY' button in the top-right corner to enable the feature.



The backlighting of the rotary knob can also be turned off when the screen is in standby mode, via the settings menu on the multi-zone controller itself.

To disable the backlight on the rotary knob when the screen is in standby mode via the multi-zone controller, simply follow the steps below.

1. Press and hold the rotary button until the settings menu appears.
2. Press the rotary button to confirm your selection of the 'Settings' menu.
3. Press the rotary button to confirm your selection of the 'Visuals' menu.
4. Turn the dial one notch to the right (clockwise) and press it to confirm your selection of the option labelled 'Button Light'.
5. Turn the dial one click to the left (anti-clockwise) and press it to confirm your selection of the option labelled 'Standby'.
6. Turn the dial to the left or right to switch between the screen saver options 'ON' and 'OFF'.
7. Press the rotary knob to confirm your preferred setting for the screen sleep mode (the 'ON' position means that the rotary knob's backlight remains on even when the multi-zone controller is in sleep mode).
8. Turn the dial two notches to the right (clockwise) to access the option labelled 'Back'.

6. Management

9. Press the rotary button to confirm your selection of the 'Back' option.
10. Turn the dial one notch to the right (clockwise) to access the option labelled 'Back'.
11. Press the rotary button to confirm your selection of the 'Back' option.
12. The following question will appear
"Apply visual changes?"
13. Turn the dial to highlight the 'Yes' option, then press it to confirm your choice.
14. Turn the dial two notches to the right (clockwise) to access the option labelled 'Back'.
15. Press the rotary button to confirm your selection of the 'Back' option.
16. You will then return to the main screen, which displays the zone, the input source and the volume level for the corresponding zone.

6.6 Screen colour scheme – Customisation

Thanks to the colour LCD screen, the user can clearly see the zone to which the controller is assigned, the selected audio input and the current volume level.

The high-resolution screen provides enough space to display text and menu settings in a font size that allows the user to read and navigate the text.

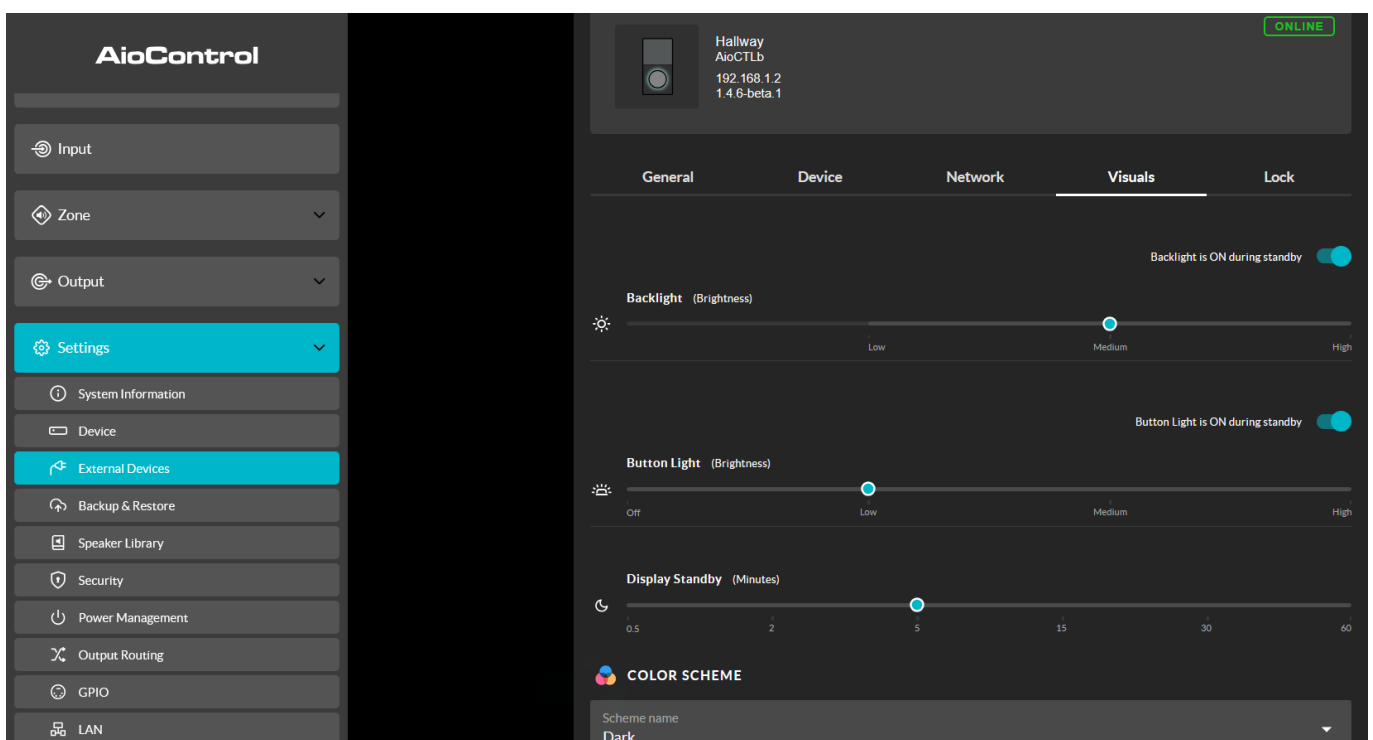
A choice of six different colour schemes also allows you to customise the display to best suit your working environment and/or personal preferences.

- DARK = White text on a black background.
- LIGHT = Black text on a white background.
- BLACK CYAN = Cyan text on a black background.
- TANGELO = Orange text on a black background.
- LIME = Lime-green text on a black background.
- ELECTRIC PINK = Pink text on a black background.

Please note that, by default, the colour scheme is set to 'DARK'.

Customisation can be carried out via the AioControl web page or directly via the multi-zone controller itself.

In the web app, you can quickly change the colour scheme using the drop-down menu at the bottom of the 'Visuals' tab. Simply select the colour scheme you want, then click the 'APPLY' button in the top-right corner to confirm the change.



6. Management

The colour scheme can also be customised in the settings menu of the multi-zone controller itself. To change the screen's colour scheme via the multi-zone controller, simply follow the steps outlined below.

1. Press and hold the dial until the settings menu appears.
2. Press the rotary button to confirm your selection of the 'Settings' menu.
3. Press the rotary button to confirm your selection of the 'Visuals' menu.
4. Turn the dial one click to the left (anti-clockwise) and press it to confirm your selection of the option labelled 'Colour Scheme'.
5. Turn the dial left and right to scroll through the available options, as shown on the screen.
6. Press the dial to confirm your chosen colour scheme.
7. Turn the dial to the right (clockwise) until you reach the option labelled 'Back'.
8. Press the rotary button to confirm your selection of the 'Back' option.
9. Turn the dial three notches to the right (clockwise) to access the option labelled 'Back'.
10. Press the rotary button to confirm your selection of the 'Back' option.
11. The following question will appear
"Apply visual changes?"
12. Turn the dial to highlight the 'Yes' option, then press it to confirm your choice.
13. Turn the dial two notches to the right (clockwise) to access the option labelled 'Back'.
14. Press the rotary button to confirm your selection of the 'Back' option.
15. You will then return to the main screen, which displays the zone, the input source and the volume level for the corresponding zone.

6.7 Locking and unlocking the local user (PIN protection)

You can set, reset and enable a 4-digit PIN in the AioControl web app to restrict use of the device.

When this feature is enabled, no one can use the device or change its settings unless they enter the correct PIN. This allows the devices to be installed in areas where unauthorised persons can easily gain access.

Please note that the PIN can always be reset via the web app. This helps to avoid any issues that might arise if you forget your PIN, whilst also allowing you to change it should circumstances change.

PIN protection can either remain disabled ('OFF') or be applied at three different levels: (A) 'Settings Only'; (B) 'All Access'; and (C) 'All Access (dual PIN)'.

6.8.1 Level A: 'Settings Only' – Applies to restrict access to the settings menu only

Typical use case: Example – Multi-zone controllers are placed within easy reach of authorised users (e.g. café staff). Enabling the local lock function and setting it to 'Settings only' allows users to adjust the volume and change the audio source, but prevents them from customising the device, changing critical settings or resetting the device.

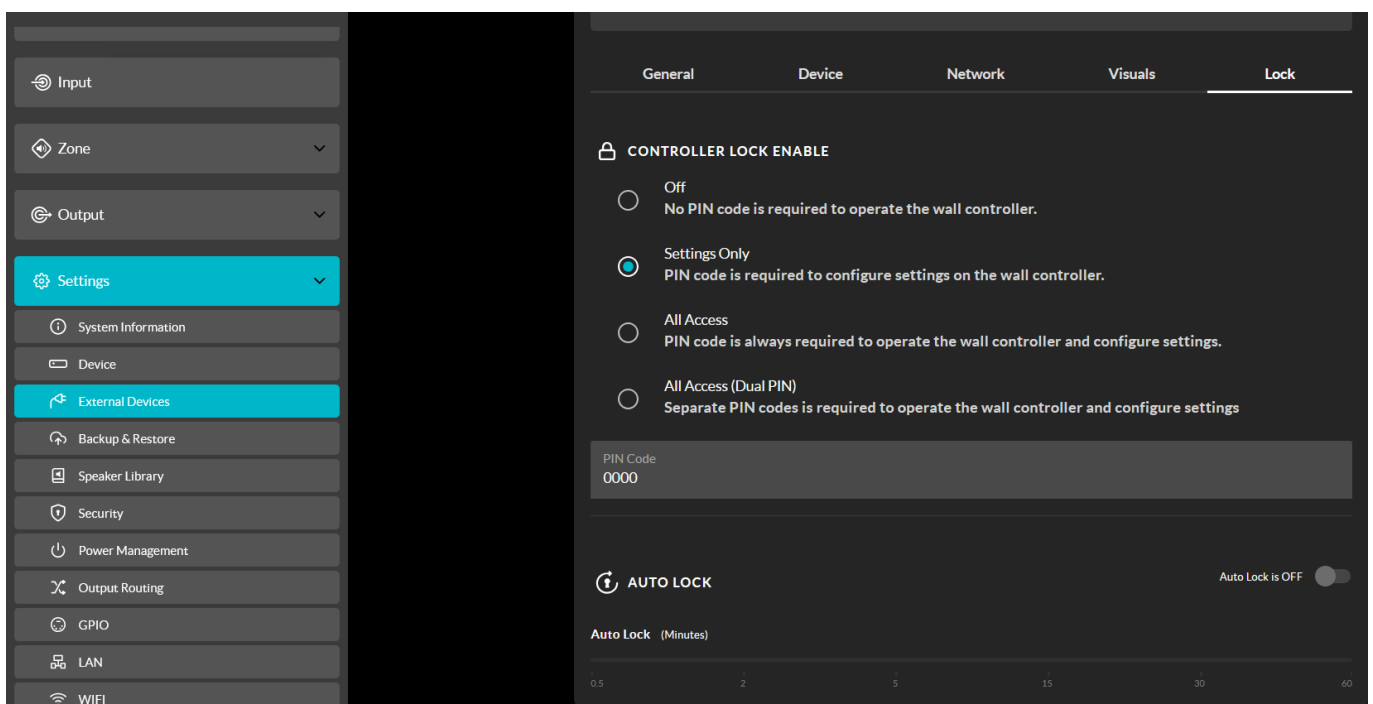
- All the functions of the wall-mounted controller are available, and the device remains fully unlocked, accessible to any user who has physical access to it.
- Only when the user attempts to access the
In the 'Settings' menu, they are prompted to enter the correct PIN on the device: they must turn the dial to select each digit on the screen, then press it to confirm each digit.
- Once unlocked, all the functions in the settings menu become available.
- Until the correct PIN has been entered, the user will not have access to the following functions:
 - Display settings (options for customising sleep mode, backlighting and colours).
 - Resetting the device (option to completely reset the device).
 - IP settings (option to change the device's IP settings).

6. Management

Setup steps:

1. In the AioControl web application, go to the 'Lock' tab and select the 'Settings Only' option under the 'CONTROLLER LOCK ENABLE' heading.
2. Enter a 4-digit PIN of your choice in the field labelled 'PIN' (we recommend that you change this PIN; otherwise, it will remain '0000').
3. Click the 'APPLY' button in the top-right corner to enable the feature as configured.

Please note that the 'Auto-lock' feature is NOT available at this second level. The settings menu lock remains active at all times once the option has been enabled in the web application.



6.8.2 Level B: 'All Access' – Used to ensure access to all features

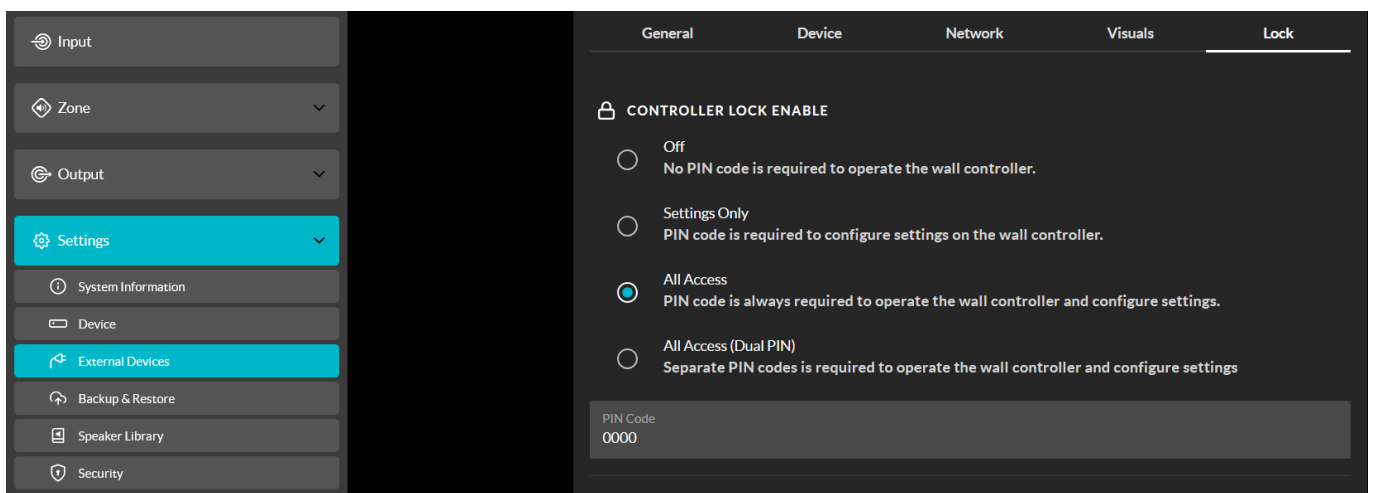
Typical use case: Example – Multi-zone controllers are placed within easy reach of customers in a café. Enabling the local lock function and setting it to 'All Access' prevents customers from adjusting the volume, changing the audio source or making any other adjustments to the installed system.

- Until the device is unlocked, none of the multizone controller's functions are accessible.
- If a user attempts to use the device, they are prompted to enter the correct PIN on the device: they must turn the dial to select each digit on the screen, then press the dial to confirm each digit.
- Once unlocked, the features become available.
- Note: To access the 'Settings' menu, you will be prompted to enter your PIN again; this helps to ensure the device remains secure when the auto-lock feature is disabled.

6. Management

Setup steps:

1. In the AioControl web application, go to the 'Lock' tab and select the 'Full Access' option under the 'CONTROLLER LOCK ENABLE' heading.
2. Enter a 4-digit PIN of your choice in the field labelled 'PIN' (we recommend that you change this PIN; otherwise, it will remain '0000').
3. Swipe the button labelled 'Auto Lock' to the right: it will turn green (active) and display the label "Auto Lock is ON".
4. Use the slider to select the desired time before the controller locks, at which point you will need to enter the correct PIN to unlock it. (In most cases, we recommend selecting the shortest time, which is 30 seconds).
5. Finally, click the 'APPLY' button in the top-right corner to enable the feature as configured.
6. Once this feature is enabled, you can choose to lock the device manually straight away or let it lock automatically after the time selected using the 'Auto Lock' slider.
7. To lock the device manually straight away, follow the instructions below.
 - Press and hold the device's rotary button until the 'Lock Controller' option appears on the screen.
 - Press the rotary button to confirm the 'Lock Controller' action: the message 'Controller Locked' will appear immediately, followed by a padlock icon on the device's screen, indicating that the device is now locked and that a PIN code will be required to unlock it.
8. To set the device to lock automatically, follow the instructions below.
 - Wait until the time selected using the 'Auto Lock' slider has elapsed. A padlock icon will then appear on the device's screen, indicating that you need to enter a PIN to unlock it.
9. To unlock the device, the user must enter the correct PIN. To do this, they must turn the dial to select each digit on the screen, then press the dial to confirm each digit.



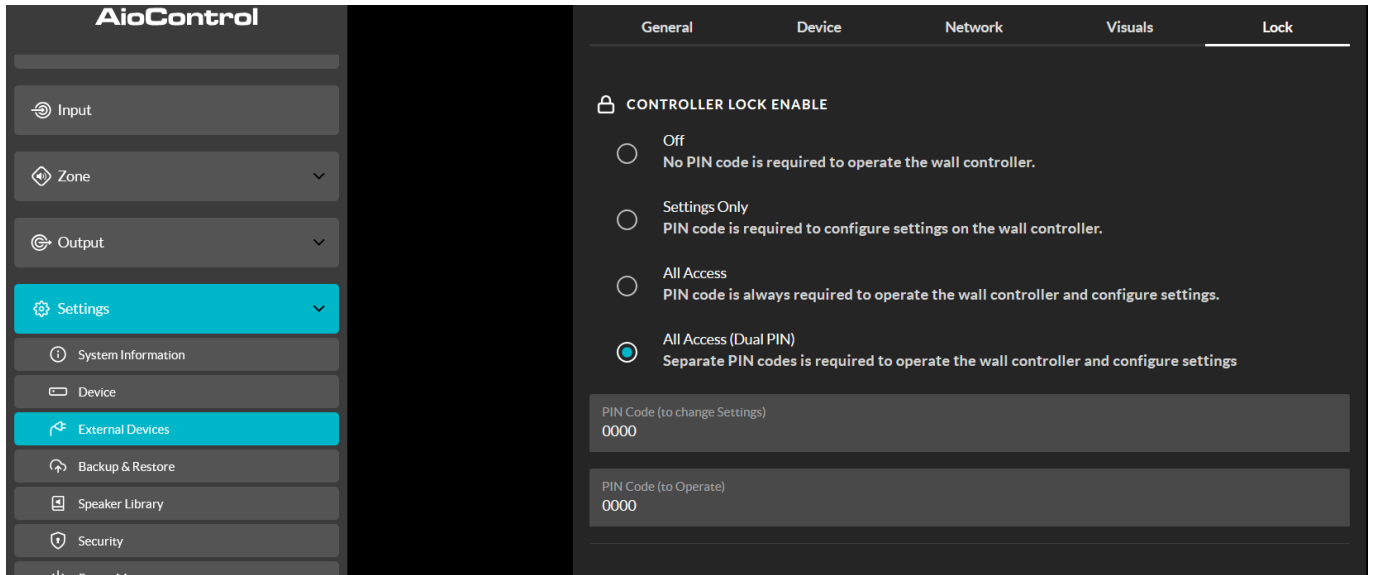
6. Management

6.8.3 Level C: 'All Access (Dual PIN)' – Used to protect access to all functions using a dual PIN

Option C provides an additional level of security by enabling PIN-code-controlled access to the functions and settings of the multi-zone controller.

This option allows, for example, operators with different responsibilities to access only the functions relevant to their role.

Option C is configured in the same way as Option B, as described in section 6.8.2. The only difference is that two four-digit PIN codes are required.



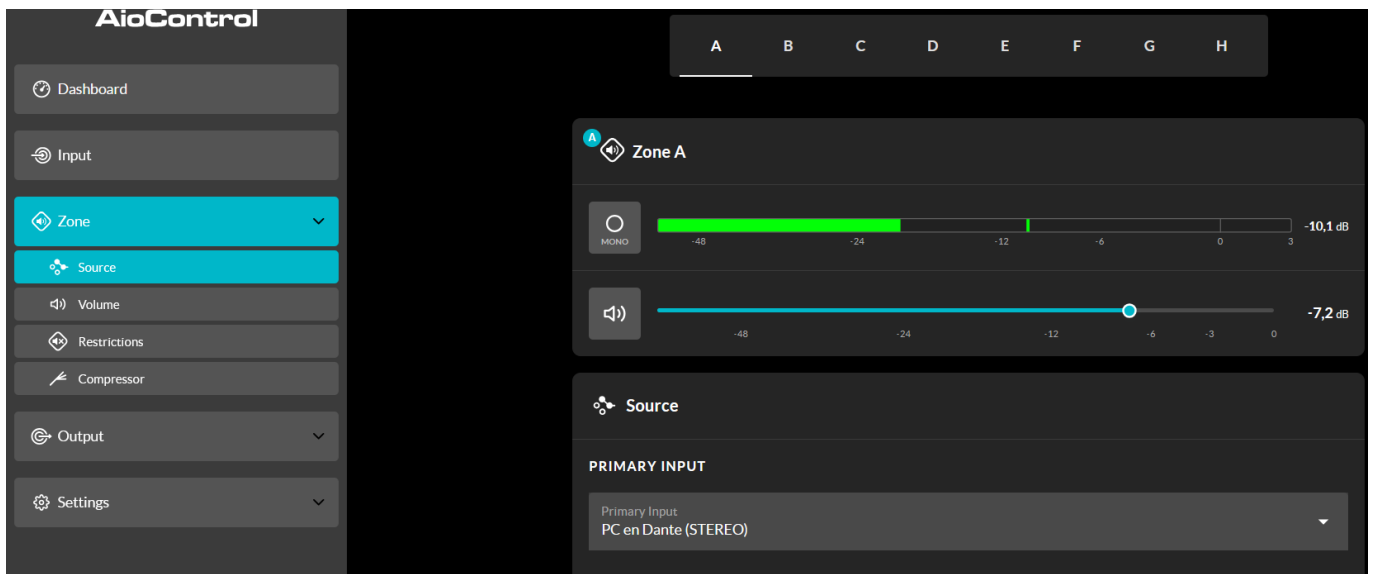
6.9 Volume limitation (range)

It is possible to set a lower (minimum) and upper (maximum) volume limit for the area that the device is configured to control.

This feature proves particularly useful in situations where the channel's total output power far exceeds the volume appropriate for the installation environment.

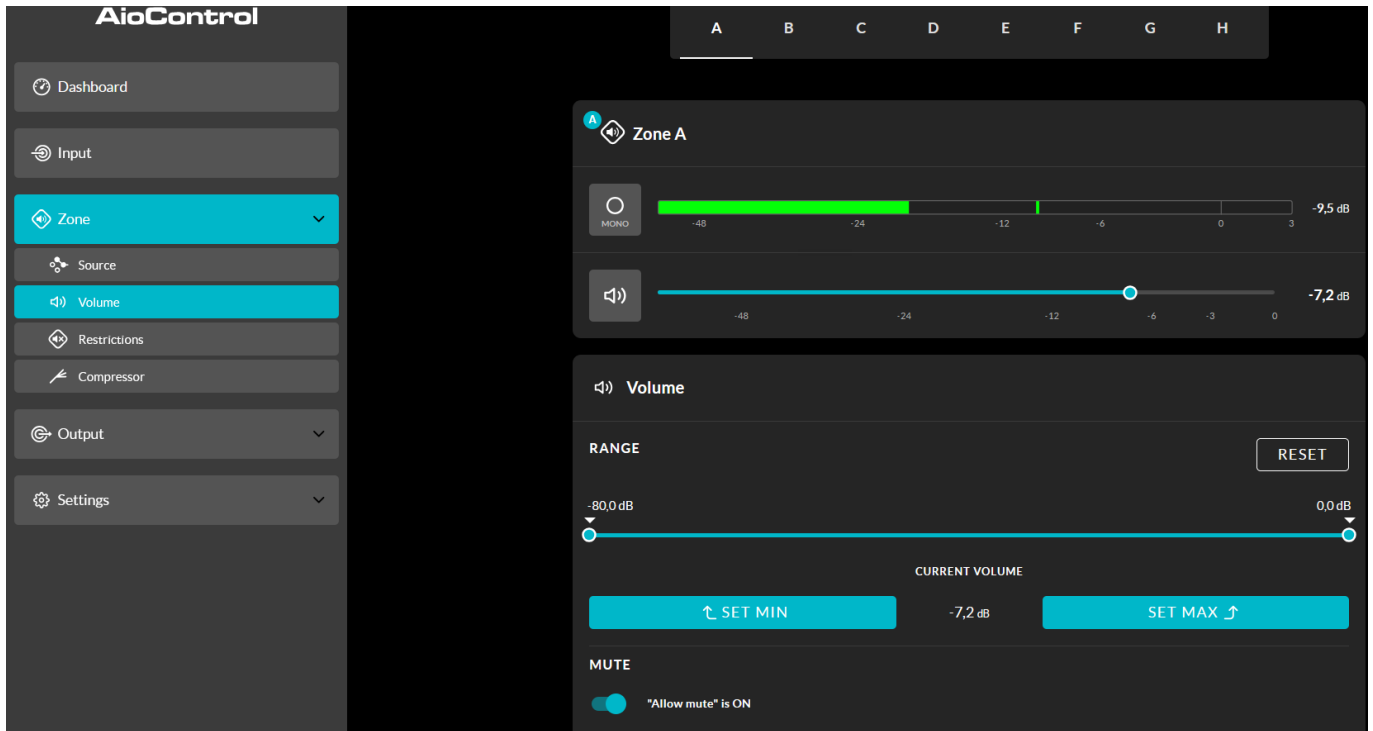
This feature is also very useful in situations where you want to ensure that the volume does not fall below a certain level, unless the sound is completely muted.

In the AioControl app, this feature can be accessed by going to the 'Volume' menu in the Tab, in the web application (see below).



The minimum and maximum volume limits are adjusted using a slider in the section labelled 'RANGE'. For greater accuracy, the volume settings are shown in decibels (dB) (see below).

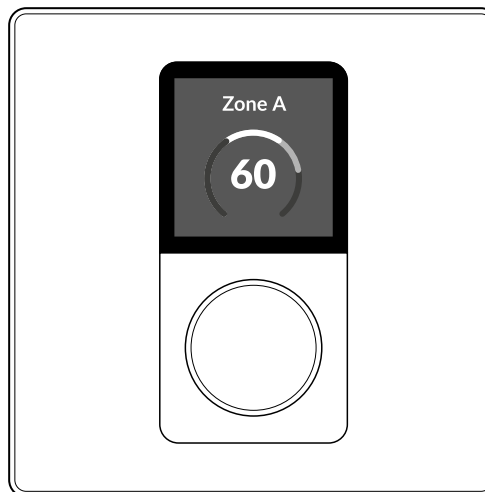
6. Management



On the device, the end user is given a visual indication of the volume range limit when adjusting the volume (see below).

Please note that, for ease of use, the device's volume settings are always displayed as a relative level on a scale of 0 to 100, rather than in decibels.

Please note that if the volume is set below the minimum level, the sound is completely muted and the mute icon appears on the screen.



It is also possible to disable the amplifier's zone mute function. This can be particularly useful in situations where important information needs to be heard in a specific zone. To disable or enable the mute function, toggle the 'Allow mute' switch in the Volume menu on the Zone tab.

7. Reset

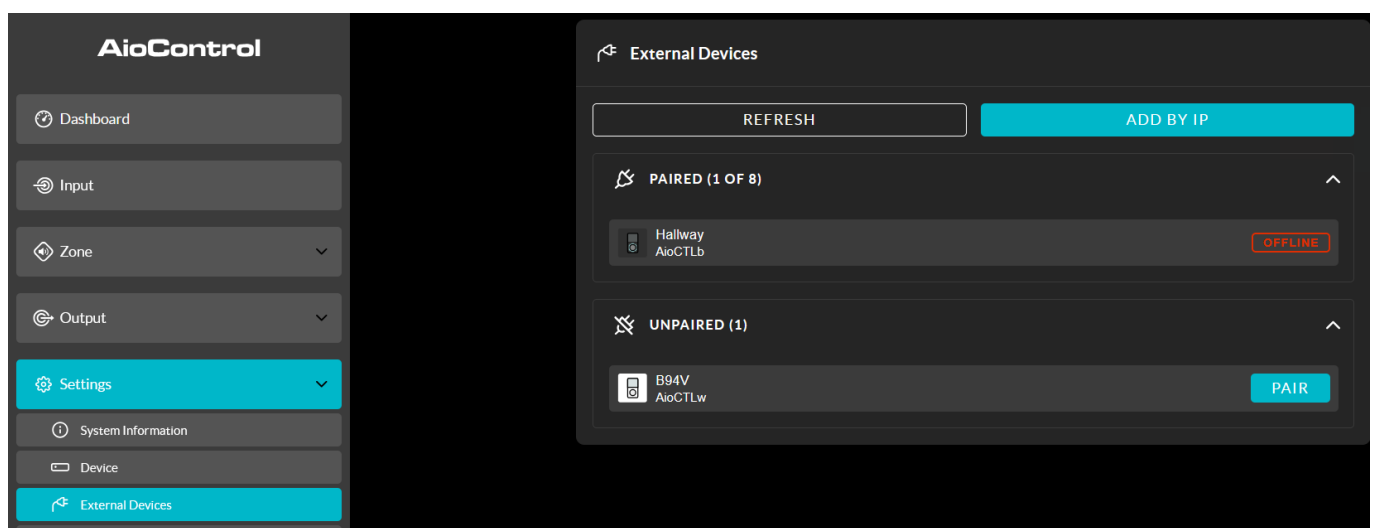
7.1 Resetting the device

It is possible to reset a multi-zone controller to its factory default settings. When the device is reset, all previous settings, including IP address information, are erased.

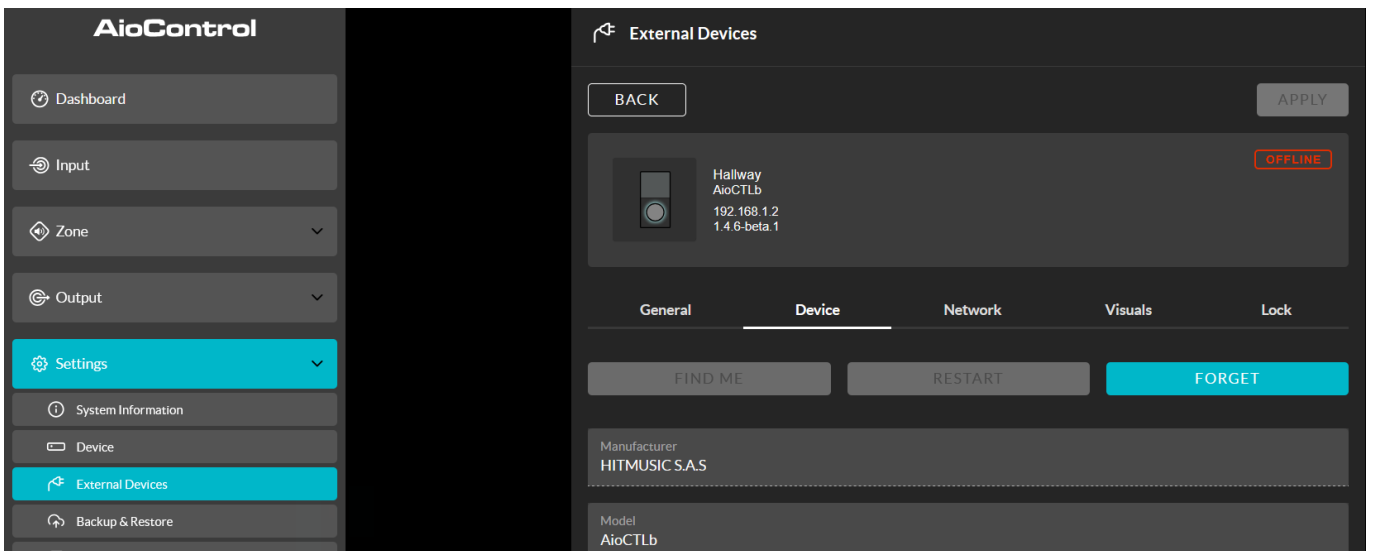
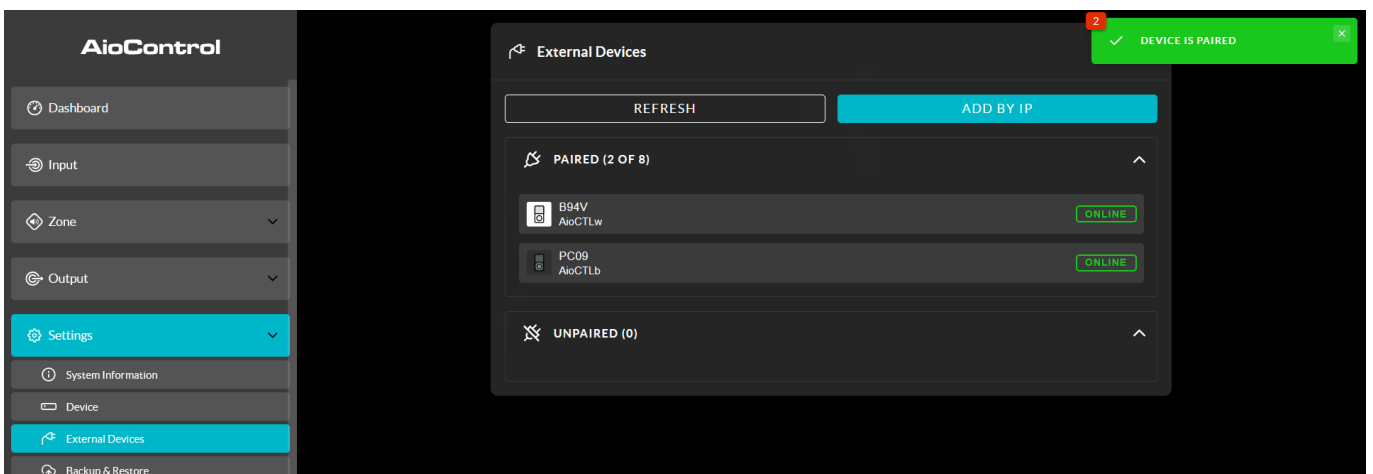
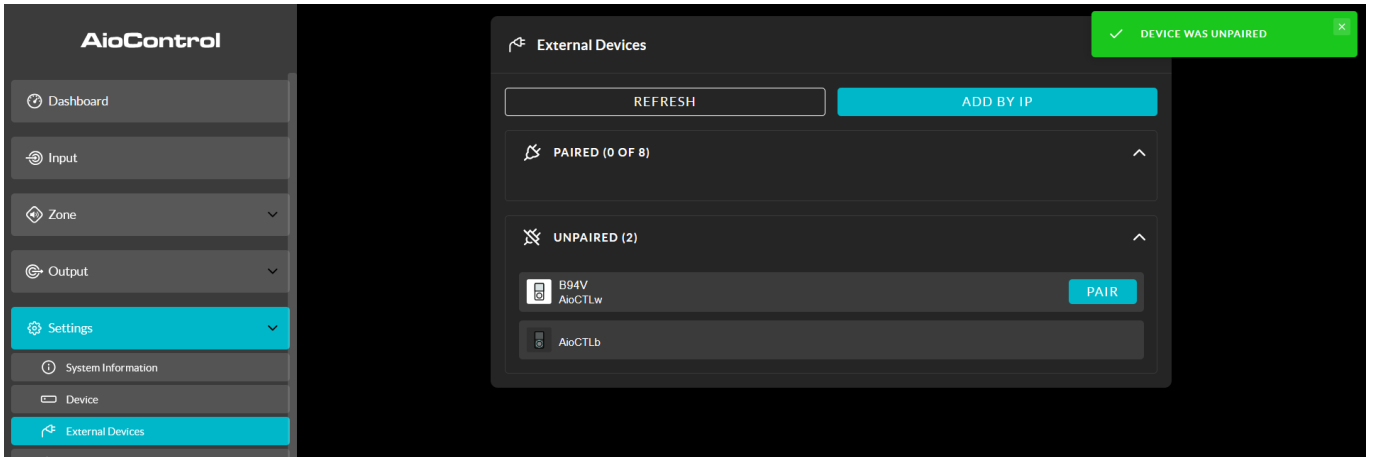
This function should only be used in exceptional circumstances, when a full reset of the device is necessary.

To perform a full reset of the device, follow the steps below.

1. Hold down the rotary knob until the "Settings" menu appears.
2. Press the rotary button to confirm your selection of the 'Settings' menu.
3. Turn the dial one notch to the left (anti-clockwise) and press it to confirm your selection of the option labelled 'Reset device'
4. Press the rotary button to confirm your selection of the 'Reset Device' option.
5. The following question will appear "Reset to factory defaults?"
6. Turn the dial to highlight the 'Yes' option, then press it to confirm your choice.
7. After a few seconds, the device will switch off, then restart and display a new pairing code on the screen.
8. In the web app, you will notice that the device you have just reset appears with a red box indicating that it is 'Offline' (as shown below).
9. In the web application, click on the device and go to the 'Device' tab.
10. In the bottom-right corner of the 'Device' tab, you will find a red button labelled 'Forget Device': click it to permanently remove the device from the system.
11. You will be redirected to the 'External Devices' page and a green pop-up window will appear with the message 'DEVICE WAS UNPAIRED', confirming that the process is complete.
12. The device is now ready to be paired again and set up.



7. Reset



8. Technical specifications

Model	Multi-zone AioCTLw Controller	Multi-zone AioCTLb controller
Compatibility with amplifiers	Aio Series	
Colour	White (RAL 9003)	Black (RAL 9005)
External dimensions (H x W)	87 × 87 mm	
External dimensions, depth [From the rear of the mounting plate to the outer edge of the protective housing]	23 mm	
External dimensions, depth [From the edge of the rotary encoder dial to the outer edge of the protective housing]	43 mm	
Mounting holes, centre-to-centre distance	60 mm	
Weight	120g	
Operating temperature range	0-40°C	
Screen dimensions (excluding the black border)	27 mm x 27 mm	
Screen size (excluding the black border)	768.4 mm ²	
Screen resolution	240 x 240 pixels	
Screen type	RGB, transmissive / Standard black	
Screen material	High-gloss polished clear acrylic	
Materials used for external and mechanical components	Plastic (ABS-PC)	
Basic structure and material of the shield	Pre-galvanised steel	
Power consumption	PoE Class 1 / 3.84 W max.	
Power supply	Connect it to the RJ45 Ethernet port on the back of the device using a Category 5e cable (or a faster STP protocol) by using a standard PoE switch or a PoE injector	
Standby modes	6 settings available: 30 seconds, 2 minutes, 5 minutes, 15 minutes, 30 minutes, 60 minutes	
Connection and data protocol	RJ45, proprietary Aio series over CAT 5e (or faster STP)	
Maximum cable length (Year 5)	100m	
IP rating	IP 30	
Warranty period	2 years	

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