

# ORIA

Immersive Audio Interface  
& Monitor Controller

Manual V1.5

AUDIENT



# Welcome to ORIA, your gateway into the world of immersive mixing.

Designed to sit seamlessly between your DAW and your speakers, ORIA provides a platform to control up to 20 outputs with an efficient combination of hardware and software. Whether you are monitoring in 9.1.6 immersive, 7.1 surround sound, stereo or even Mono, ORIA is flexible and powerful enough to handle a plethora of contemporary audio standards.

Designed with professional users in mind, and working with industry-leading partners, Dolby(™) and Sonarworks(™), ORIA's onboard DSP allows you to calibrate your speakers to your room and deliver mixes that translate to the real world with confidence.

**ORIA - Immersive, made easy.**





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# Declaration of Conformities

## FCC Part 15B

This apparatus has been tested and found to comply with the limits of a class-A digital device, pursuant to Part 15B of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1 Re-orient or relocate the receiving antenna
- 2 Increase the separation between the equipment and receiver
- 3 Connect the equipment into an outlet on a different circuit from that to which the receiver is connected
- 4 Consult the dealer or an experienced radio/TV technician for help

Officially Certified



Dolby, Dolby Atmos, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporations.





We, Audient Ltd, Aspect House, Herriard, Hampshire, RG25 2PN, UK, 01256 381944, declare under our sole responsibility that the product ORIA complies with Part 15 of FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference,
2. This device must accept any interference received, including interference that may cause undesired operation



We, Audient Ltd, declare that the product, the ORIA, to which this declaration relates, is in material conformity with the appropriate CE standards and directives for an audio product designed for consumer use.



We, Audient Ltd, declare that the product, the ORIA, to which this declaration relates, is in material conformity with the appropriate UKCA standards and directives for an audio product designed for consumer use.



Audient Ltd has conformed where applicable, to the European Union's Directive EN 63000:2018 on Restrictions of Hazardous Substances (RoHS) as well as the following sections of California law which refer to RoHS, namely sections 25214.10, 25214.10.2, and 58012, Health and Safety Code; Section 42475.2, Public Resources.



Under an environment with electrostatic discharge, the device may cease to output sound (EUT could not operate properly). This requires the user reset the device by unplugging & re-connecting to host computer.


As a device that provides power to other equipment power management features are inappropriate for this product.



We, Audient, declare that the product, ORIA, to which this declaration relates, is in material conformity with the appropriate PSE standards and directives for an audio product designed for consumer use. METI Ordinance Appendix 12 J55032(H29).



IEC 62368 Test Report with Japan deviation.

 **WARNING** : This product can expose you to BPA and other chemicals which are known to the State of California to cause cancer and/or birth defects or other reproductive harm. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov).



# Installation & Setup



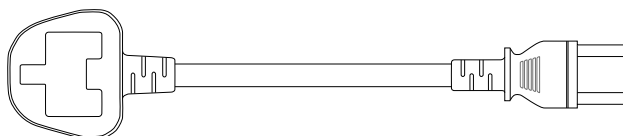
# What's In The Box

- 1 1 x ORIA Unit
- 2 1 x Mains Power Cable
- 3 1 x USB C-C Cable
- 4 1 x Sonarworks (™) SoundID Reference Measurement Microphone

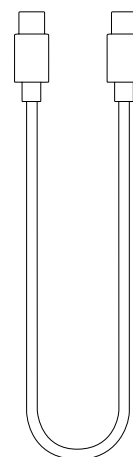
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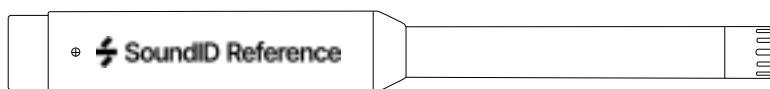
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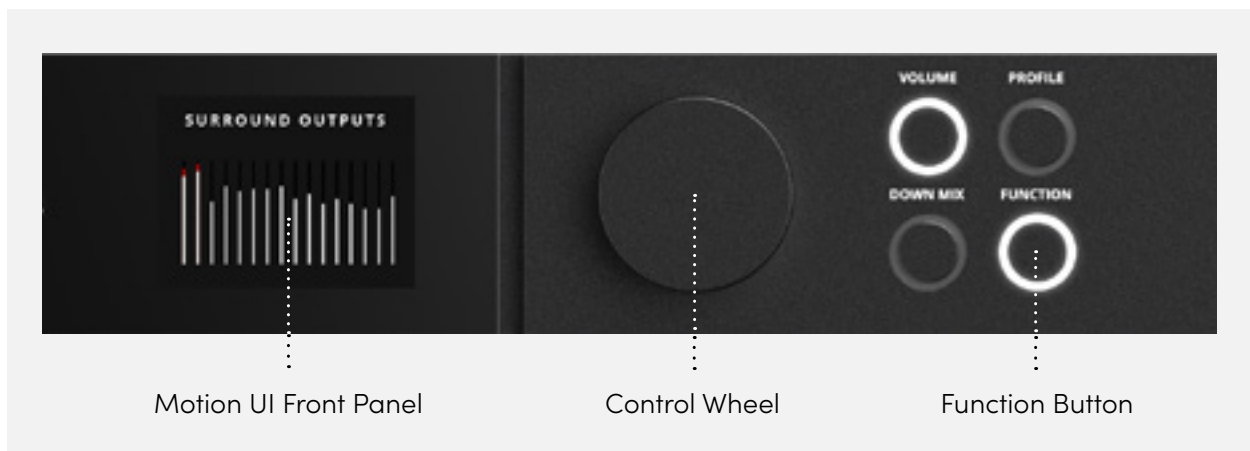




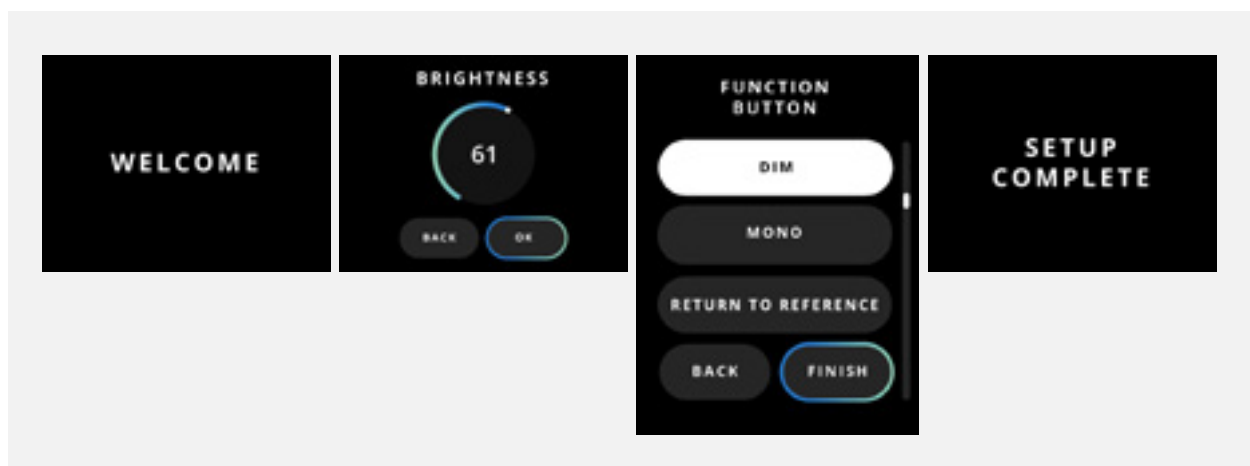
# Initial Setup

Unpack your ORIA, plug in the included power cable and connect it to a USB port on your computer. If your computer doesn't have the appropriate USB port you may need to use a third party cable.

Use ORIA's Control Wheel to navigate through the front panel screen and take control of Motion UI. Press the Control Wheel to confirm selections or toggle through options provided by specific buttons.



Once powered up you will be asked to set the screen brightness with the Control Wheel (push to confirm), and then select which feature the Function Button controls - DIM, Return to Reference or Polarity Reverse - by scrolling to your preferred choice and pressing confirm. Scroll to 'Finish' and press the Control Wheel again to complete the initial setup.





# Mac Installation

On macOS, ORIA will work straight away without needing to install any drivers. However, we do strongly recommend installing the ORIA Control Application, which gives you advanced control over your ORIA and lets you update your firmware when required.

Head to [audient.com/ORIA/downloads](https://audient.com/ORIA/downloads) to download the latest version of the application. Once downloaded, simply open the .dmg file and then drag and drop the ORIA Control Application into your applications folder.



# Windows Installation

ORIA will require drivers to work on Windows to ensure your computer and ORIA will work together correctly. You can download the drivers from the ORIA website: [audient.com/ORIA/downloads](https://audient.com/ORIA/downloads). Once downloaded, run the .exe file to start the installation process.

Follow the instructions on screen to complete the installation. This process may take a little while so please be patient. Once complete, click 'Finish'.



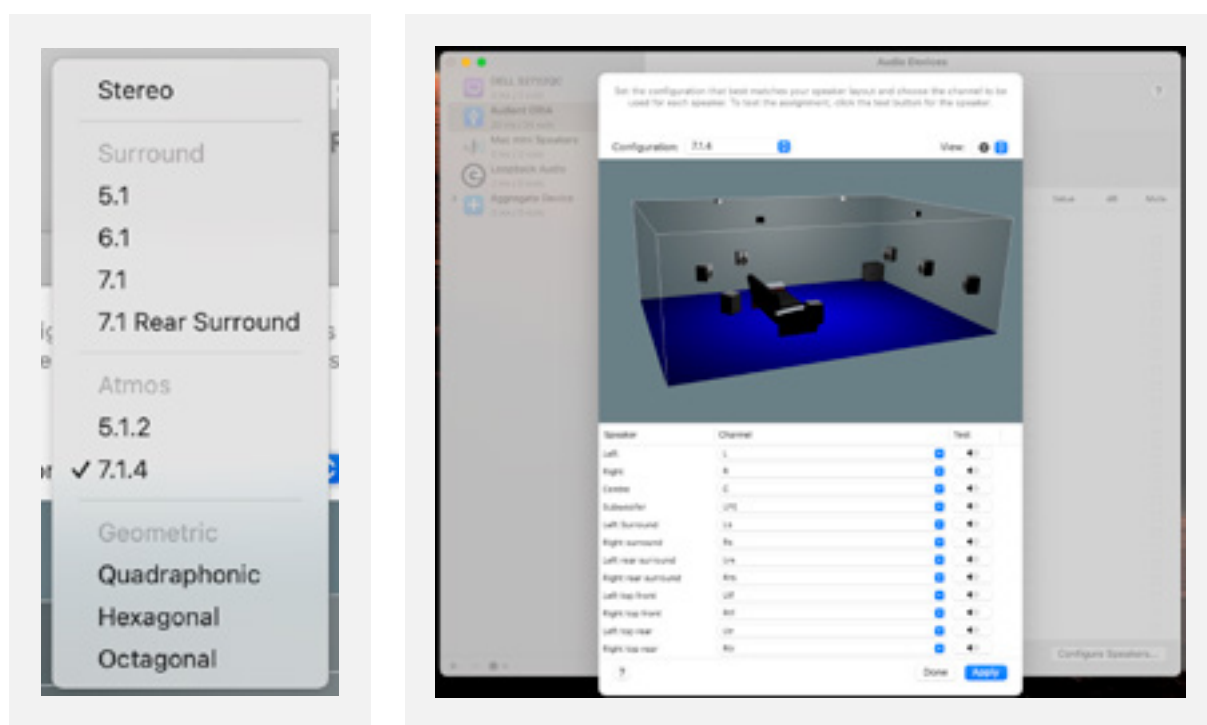


# Mac Multichannel Setup

If you are using MacOS, it's possible to set the default output from the OS to various surround formats. Whilst this will not affect the output from your DAW which will be handled separately by the macOS Core Audio drivers, it does allow for playback of surround sound media from supported media player or web browsers

To locate this, connect the ORIA to your Mac and open "AudioMIDI utility" from the macOS Launchpad. Now, from the list of connected devices select ORIA. Click on the 'Outputs' tab and select "Configure Speakers".

Select the format you wish to use in the "Configuration" drop down. Once you have selected your speaker configuration, double-check the speaker assignments match the output channels of ORIA as shown below:



Once you have confirmed the speaker assignment is correct, click Apply.

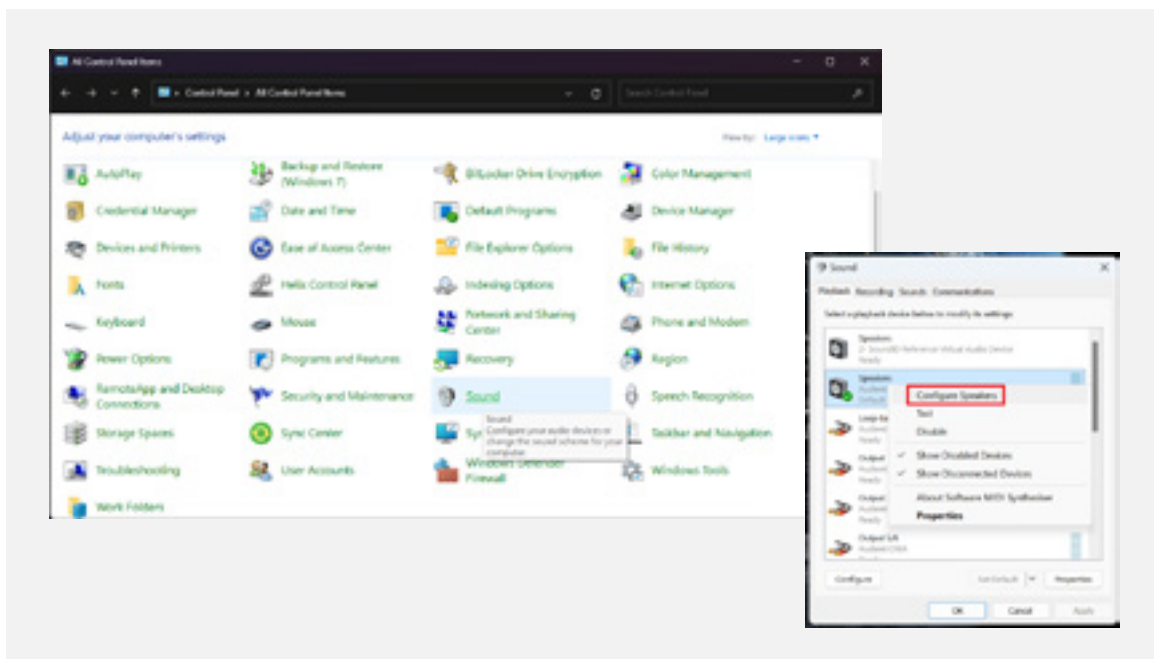
Please note that not all Media players, Streaming Software or Web Browsers currently support Dolby Atmos or Immersive audio playback so if you do encounter any playback issue, please check with the developer of your chosen media playback method to understand any limitations that may be present.



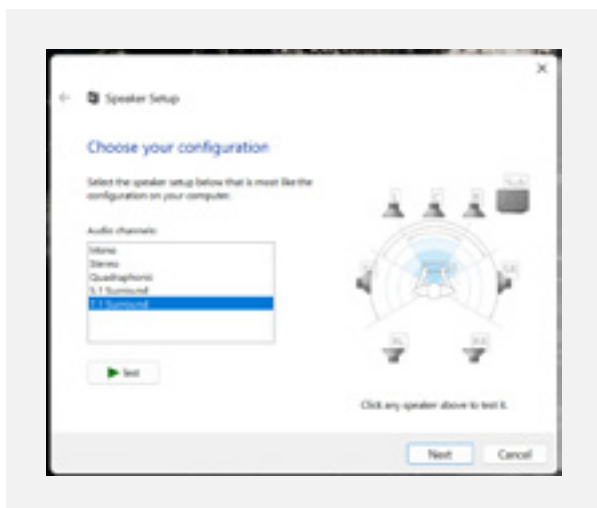
# Windows Multichannel Setup

If you are using Windows, it's possible to set the default output from the OS to either mono, stereo, quadraphonic, 5.1 and 7.1. Whilst this will not affect the output from your DAW which will be handled via the ASIO drivers, it does allow for playback or surround sound media from a media player or web browser if supported.

Firstly, open the Control Panel from the windows search bar, and select "Sound". Once the "Sound" pop-up opens, locate the ORIA output "Speakers" as shown in the screenshot below.



Right-click on "Speakers" and select "Configure Speakers". Now select the output format you wish to use with your ORIA from the menu shown below.

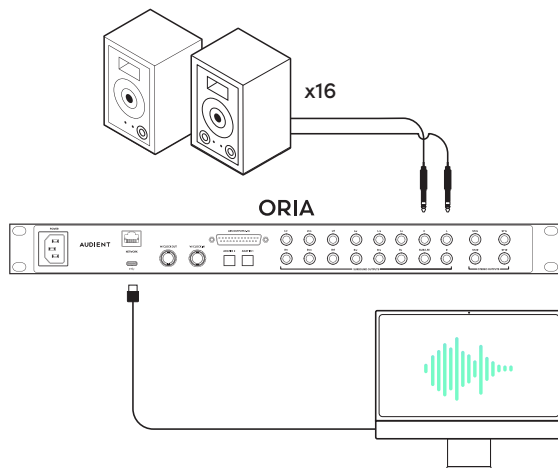


Please note that it's important to select the ORIA output "Speakers" as this is the dedicated multichannel output. The other output pairs will not provide the speaker configuration options.

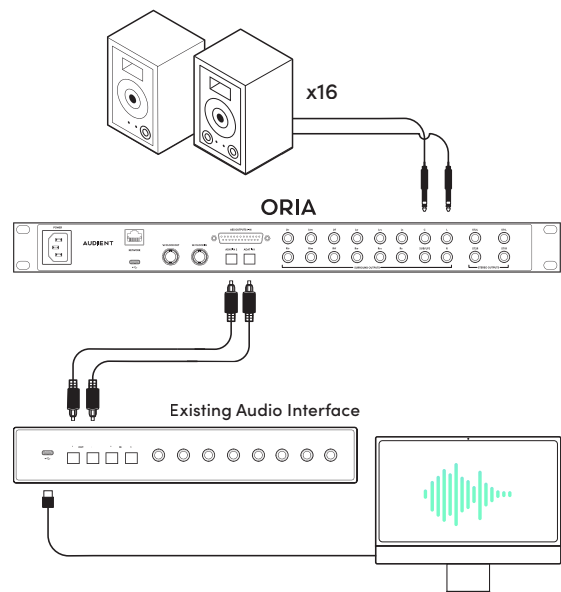


# Using ORIA as a Standalone Monitor Controller

ORIA is designed to function either as your computer's Audio Interface or as a Standalone Monitor Controller to provide immersive monitoring and calibration functionality to your workflow.



**As an Audio Interface  
& Monitor Controller**



**As a Standalone  
Monitor Controller**

When being used as a Standalone Monitor Controller, ORIA can take audio from either its ADAT input or via the Optional Dante Card using the Input source control of the ORIA software. You will still need to connect ORIA to the computer via USB initially in order to create your Profiles using the ORIA Control Application and store them on ORIA.

We would recommend keeping the unit connected to the computer via USB even when being used as a standalone Monitor Controller, as this allows for remote control of the unit using the ORIA Control Application, or ORIA iPad App. **Whilst not currently available, the ORIA iPad App will be available in the near future.**

After setup, ORIA can be used without the USB connected if required, however, to change profiles or make adjustments to your monitoring level, you would need to use the controls on the front panel of the interface.



# Registration with Audient ARC

ORIA comes bundled with a collection of professional software and services, giving you everything you need to start recording from some of the industry's leading innovators.

Go to [arc.audient.com](https://arc.audient.com), select 'Register Your Product' and enter your details to create an account. You will then receive a verification email to your Inbox but you may need to check your Spam/Junk folders. Once you've verified your account, register your ORIA by entering the serial number and the unique 4-digit PIN found on the underside of ORIA.

Now the product is registered, you can select from a wide array of free software and plugins, giving you easy access to powerful creative tools straight away.







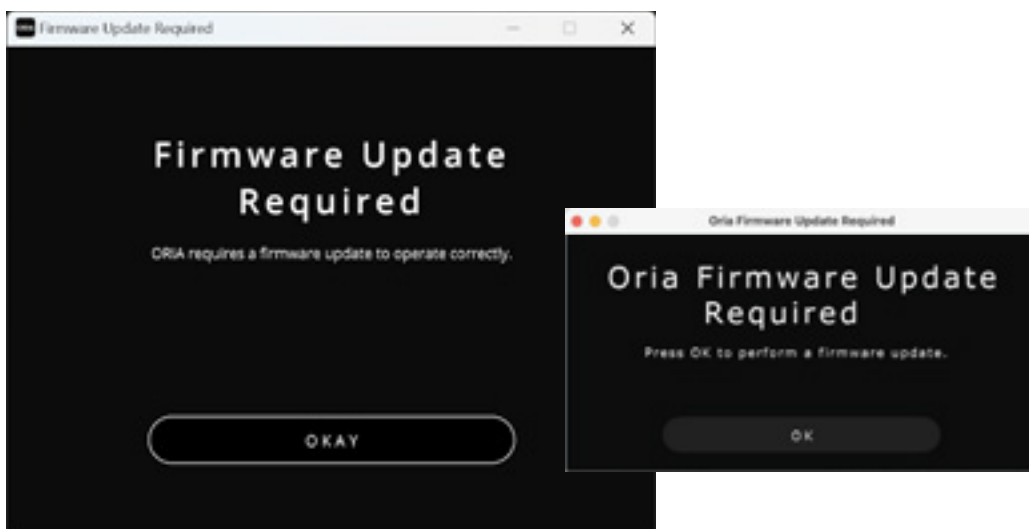
# Firmware Update Procedure

Occasionally, Audient will release new firmware for ORIA to add additional features and to ensure ongoing compatibility with Operating System updates.

Provided it has internet access, the ORIA Control Application will periodically check if any new firmware updates are available and inform you if there are any. You can also check for updates at any time by going to the menu bar, and selecting:

## Help > Check for Updates

If an update is available, the ORIA control app will notify you. Click 'OK' to begin the firmware update process.



The ORIA Control Application will then launch the Audient Firmware Upgrade software. In this software, you will see a list of all Audient devices currently connected to your computer. Select ORIA from the device list.



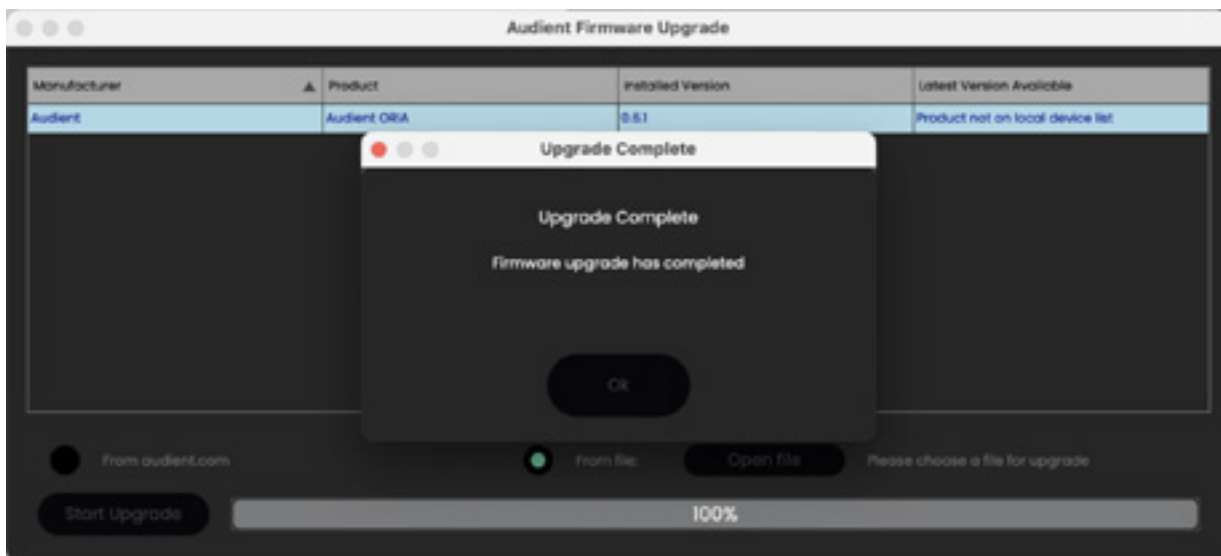


You can now choose to update from [audient.com](http://audient.com) or from a local file. If your computer has an internet connection you would want to select 'From audient.com' to ensure you are installing the latest firmware version.

If your computer does not have an internet connection, please contact [support@audient.com](mailto:support@audient.com) and our team will be able to provide you with the latest firmware file to install locally.

Now you can Click 'Start Upgrade' and the progress bar should begin to increment. During the update process, the ORIA unit may restart multiple times.

Once complete, a notification will appear to confirm the update has been installed. You can now close the Audient Firmware Upgrade Window and continue using your ORIA.

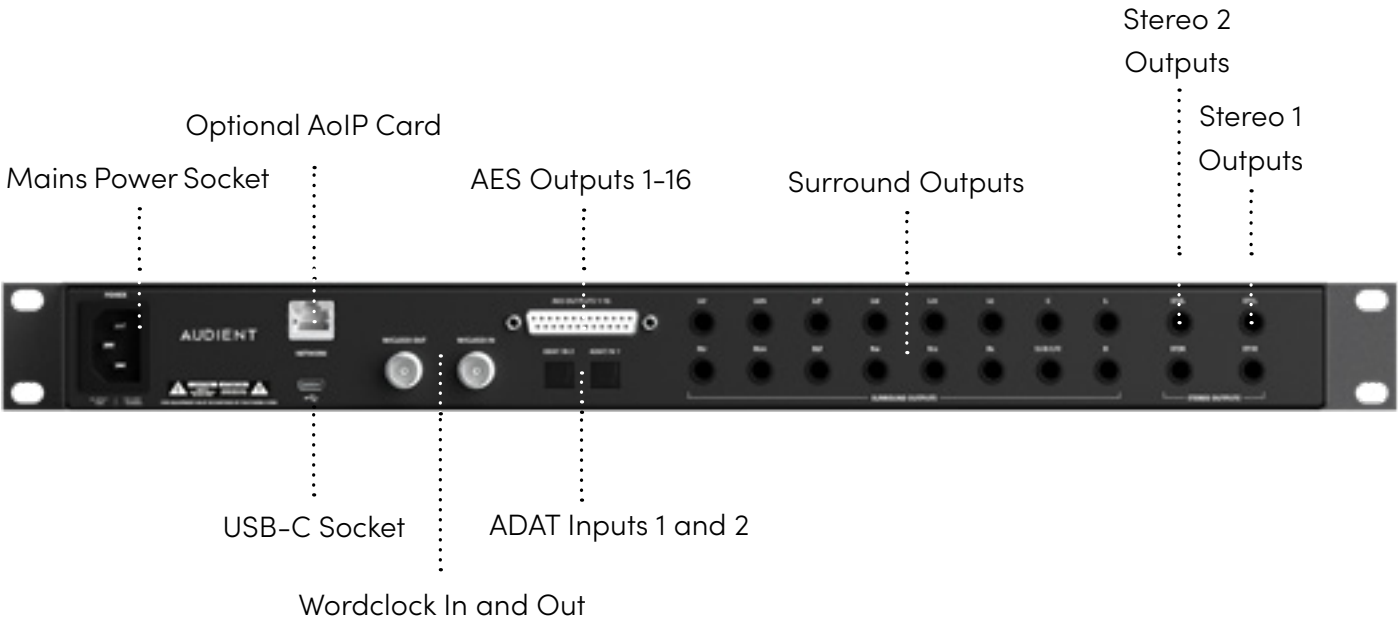
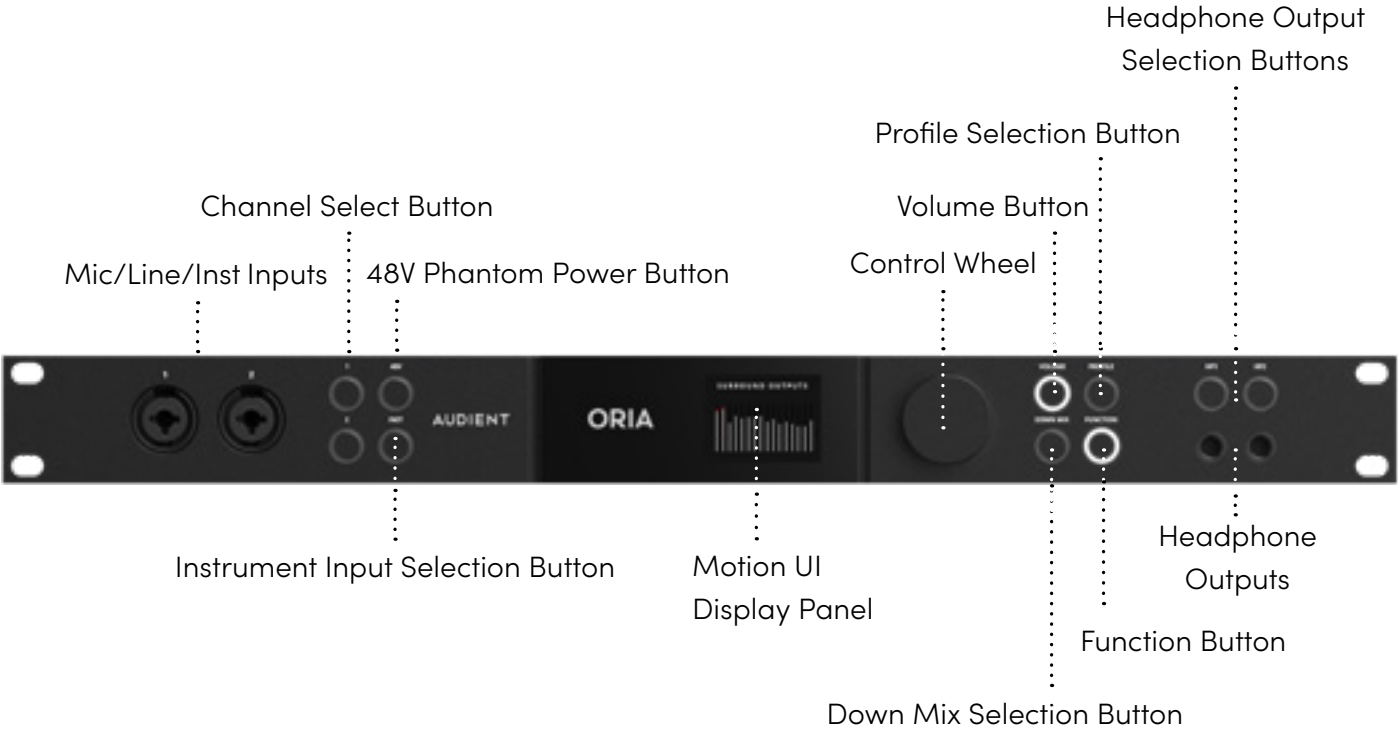




# Hardware Features



# Hardware Features





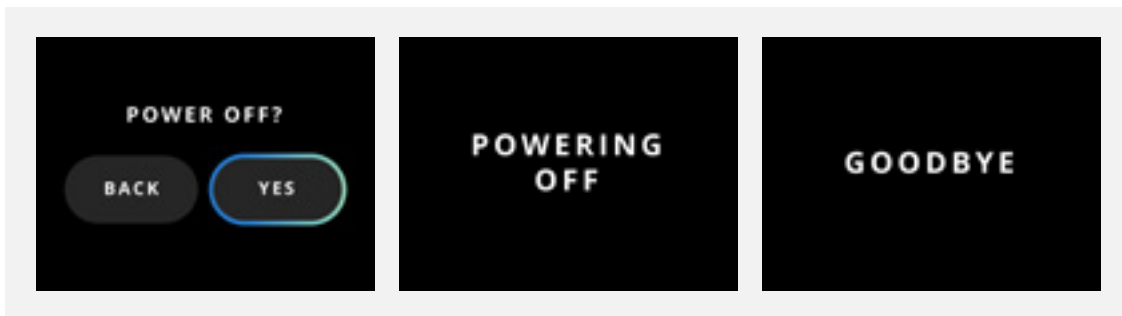
# ORIA Settings

When you press and hold the Control Wheel you can access a variety of global settings for ORIA. Use the Control Wheel to cycle through the options.



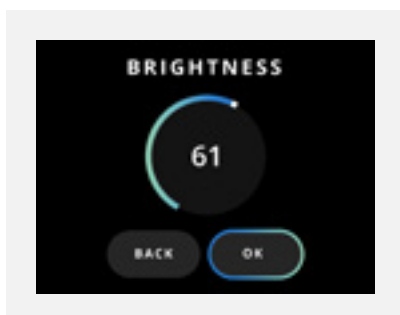
## Power

Choose to switch off the ORIA (press the Control Wheel to power on the ORIA).



## Brightness

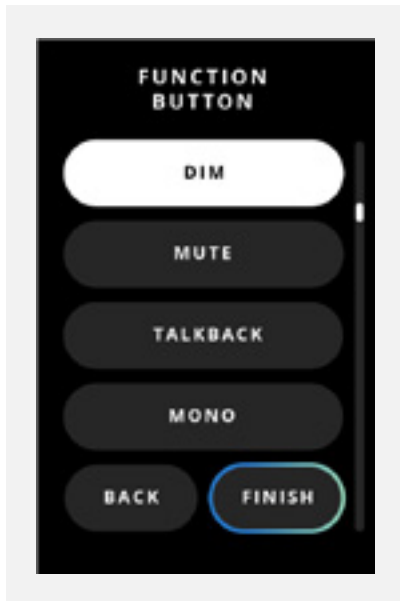
Control the overall brightness of all LED's and the display panel.





## Function

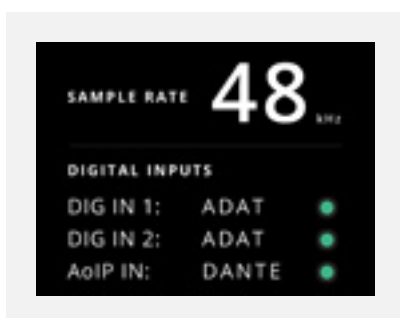
Change what feature is assigned to the 'Function Button':



## Status

Check the current sample rate and clocking sources. If the status light is:

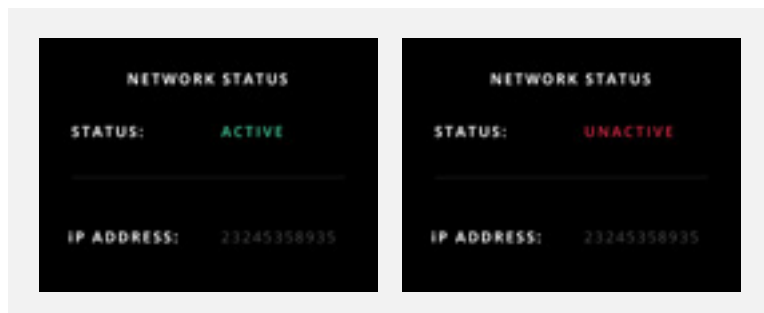
- **Green** - this means that the unit has been successfully clocked
- **Amber** - the unit has detected a clock signal but at the wrong sample rate
- **Red** - no clock signal is detected





## AOIP

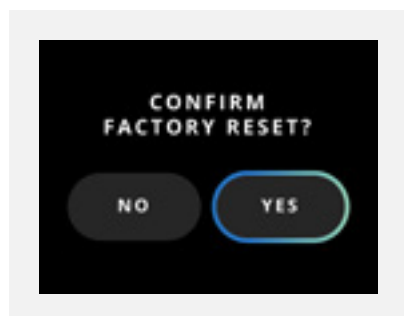
Check the status of the networked audio connection (Active or Unactive) and your ORIA's IP address.



## Factory Reset

Restore the ORIA to its factory settings.

**\*\*Be aware that this will remove any of your currently saved settings and Profiles.\*\***

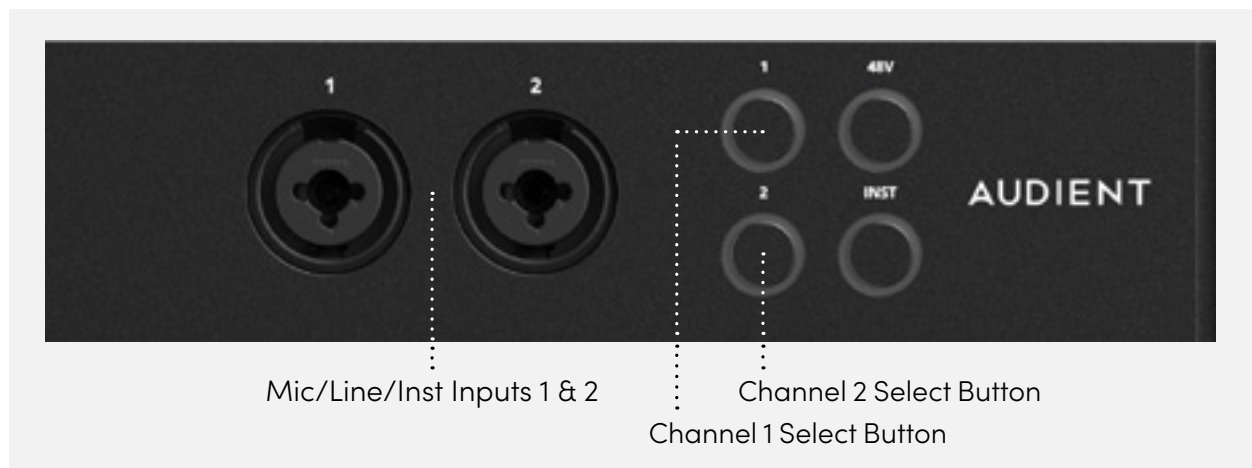




# Mic Preamps

The ORIA features two Audient Console Mic Preamps that can deliver up to 60db of gain, as well as receiving Line and Instrument level sources via the front-facing combi-jacks.

When you press either of the 1 or 2 buttons you can then affect settings for each input independently.



## Gain

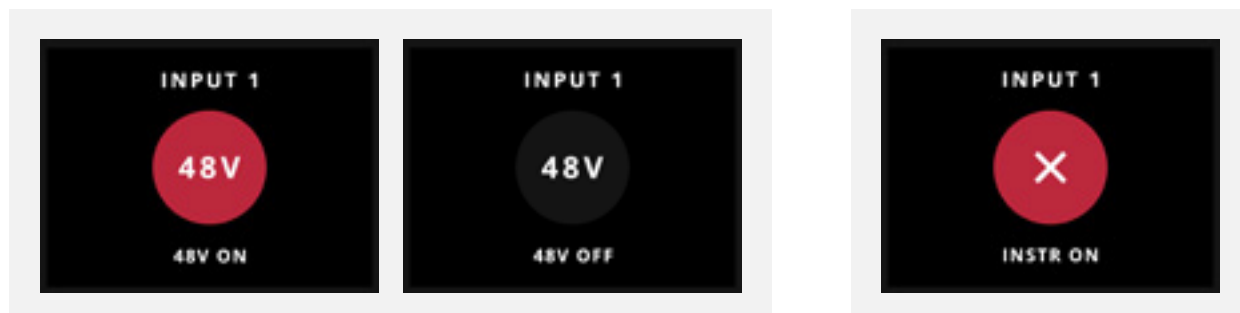
Turn the Control Wheel to adjust the input gain. The XLR input is received at Mic level whilst the TRS input is received at Line level.





## Phantom Power

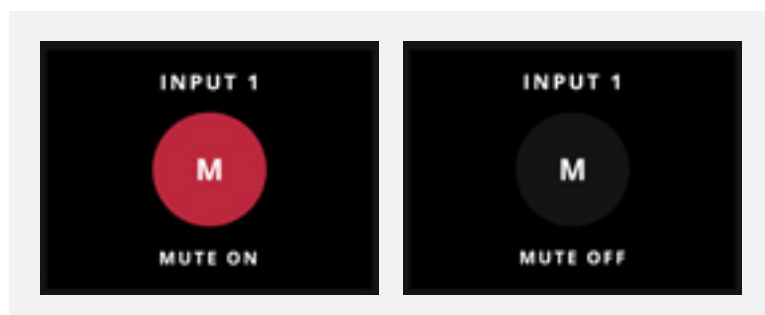
Press 48V to apply Phantom Power. The LED will turn red to indicate Phantom Power is now active on the selected Mic Preamp Channel.



Phantom Power can only be applied to the XLR input, this to prevent accidental damage to external instrument sources. Phantom Power will be blocked if the channel is using Instrument Mode.

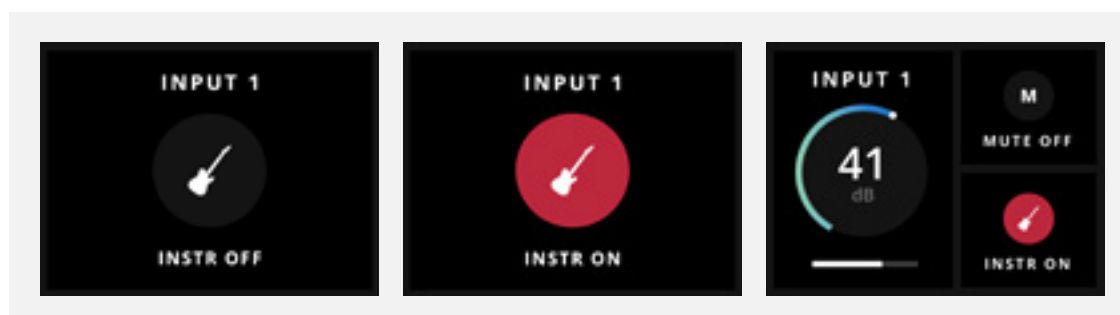
## Mute

Hold down the respective channel button to mute/un-mute its input. The button's LED will flash white whilst the channel is muted.



## Instrument Input

Pressing INST switches the preamp to accept high impedance/instrument levels via the JFET Instrument Input.



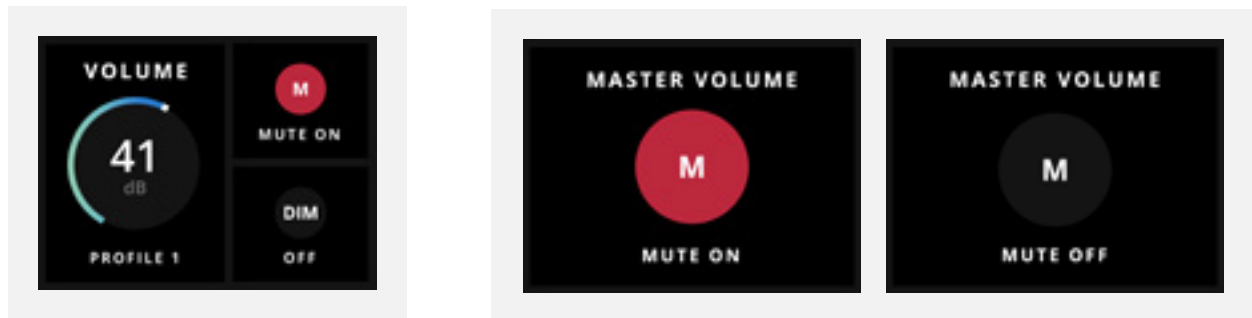


# Speaker Monitoring

You can quickly access a variety of monitoring options from the front panel.

## Volume

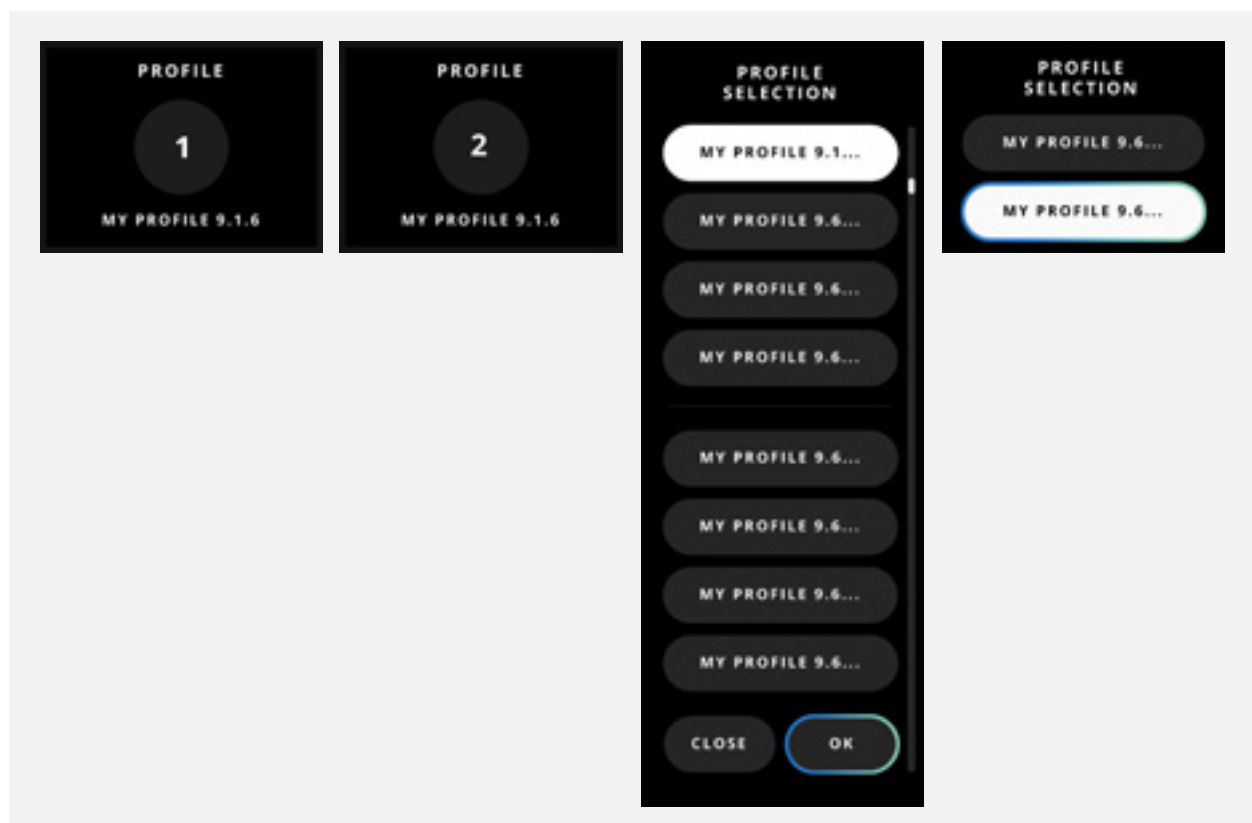
Turn the Control Wheel to adjust the Volume for your chosen speaker configuration.



When the Main Outputs are selected, hold down the Control Wheel to mute or un-mute the main outputs. The LED will flash white whilst the main output is muted.

## Profile

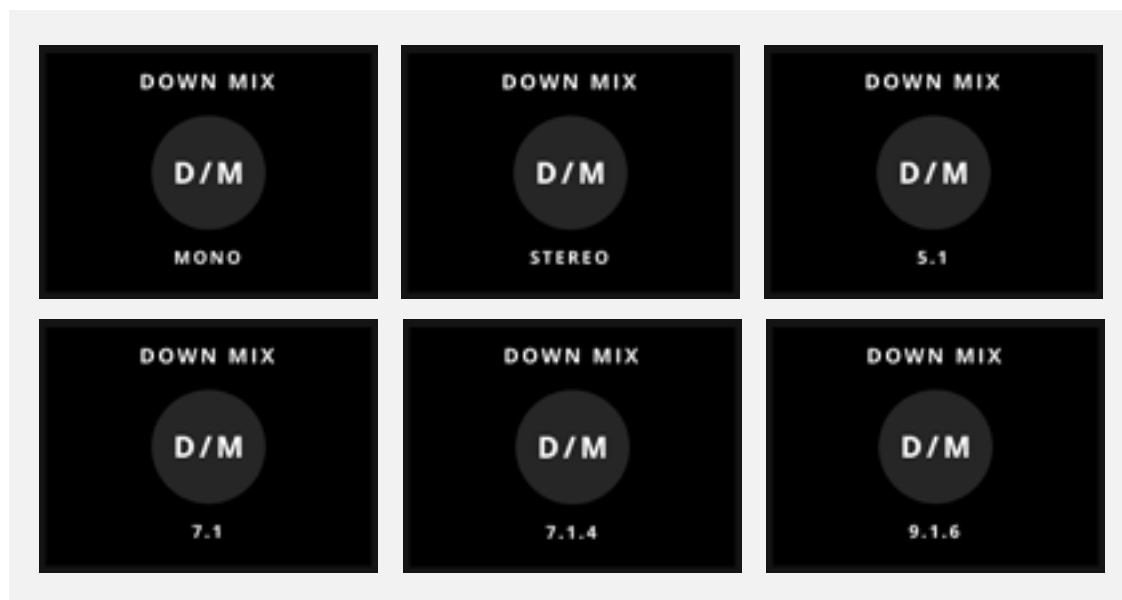
Toggle between your four 'favourite' speaker configurations by tapping the 'Profile' button. Press and hold the button to access the full list of profiles and use the Control Wheel to cycle through Profiles.



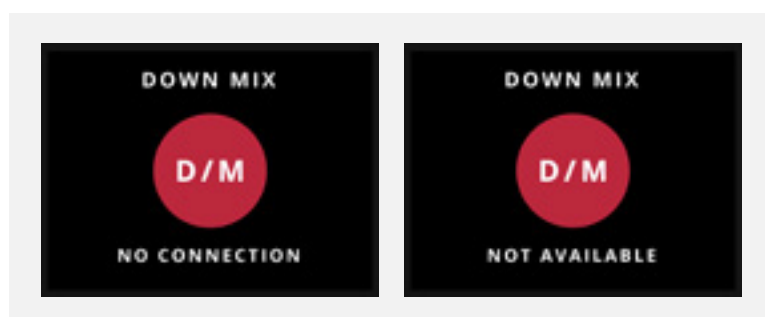


## Down Mix

Control the Standalone Dolby(™) Renderer's Down Mix functionality directly from ORIA's front panel. The Down Mix button will toggle through the different Output options available.



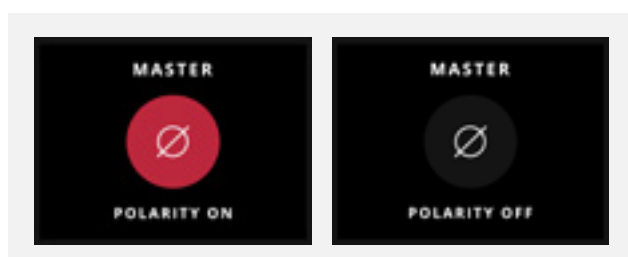
This feature is only available if you are connected to the Dolby(™) renderer. An error message will appear if this is not the case.



## Function

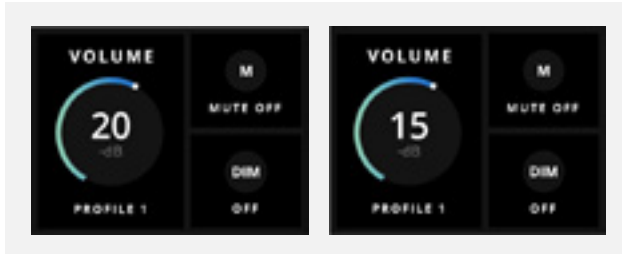
Toggle on/off a pre-selected monitoring process via the 'Function Button'. The function of this button can be adjusted in the ORIA Control Application and is explained later in this manual.

- **Polarity** – to check the phase coherence of your stereo mix.



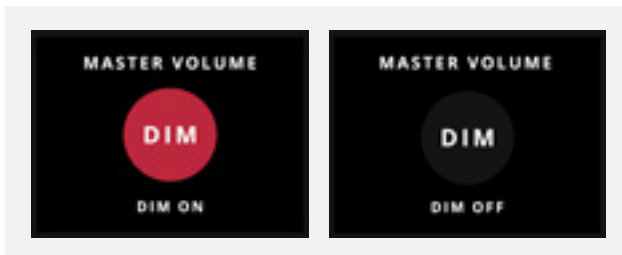


- **Return to Reference** – When assigned to the Function Button the Return to Reference (RTR) feature will return the Outputs Volume to the reference level stored as part of the Active Profile. For example if your Profiles reference level volume is -20dB, however you are currently monitoring at -15dB, you can use RTR to quickly snap back to -20dB precisely. This will be shown on ORIA's front panel screen in the System Menu.



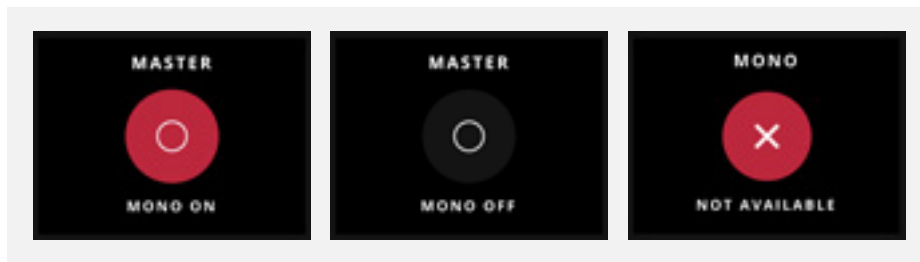
The Function button will also illuminate and remain illuminated to indicate that you are currently listening at Reference Level.

- **DIM** – lowers the volume of your main outputs. The level of reduction can be changed in System Mode of the ORIA Mixer Application.





- **MONO** – outputs a mono-summed version of your stereo mix to check mono-compatibility.

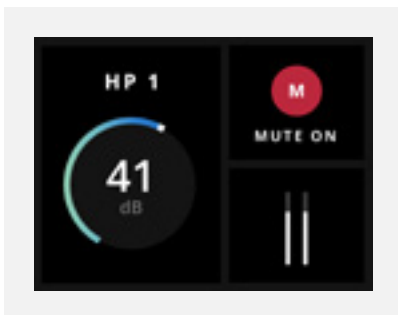


# Headphone Monitoring

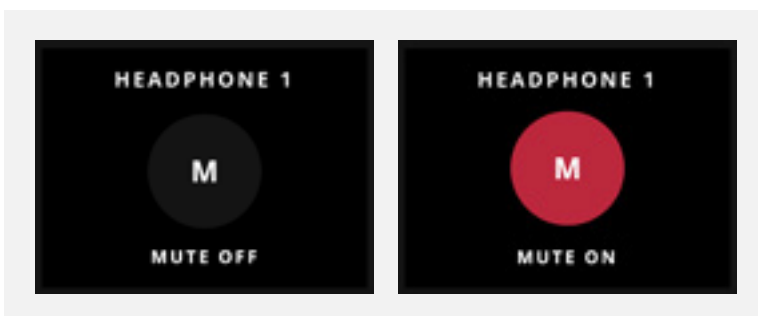
ORIA provides two independent outputs for headphone monitoring, either whilst recording or mixing. Each output can be fed from a variety of sources via the System Panel in the ORIA Control Application.

## Volume

Turn the Control Wheel to adjust the Volume for the select headphone output.



If you hold down the respective button you can mute/un-mute the headphone output and the LED will flash white whilst the output is muted.

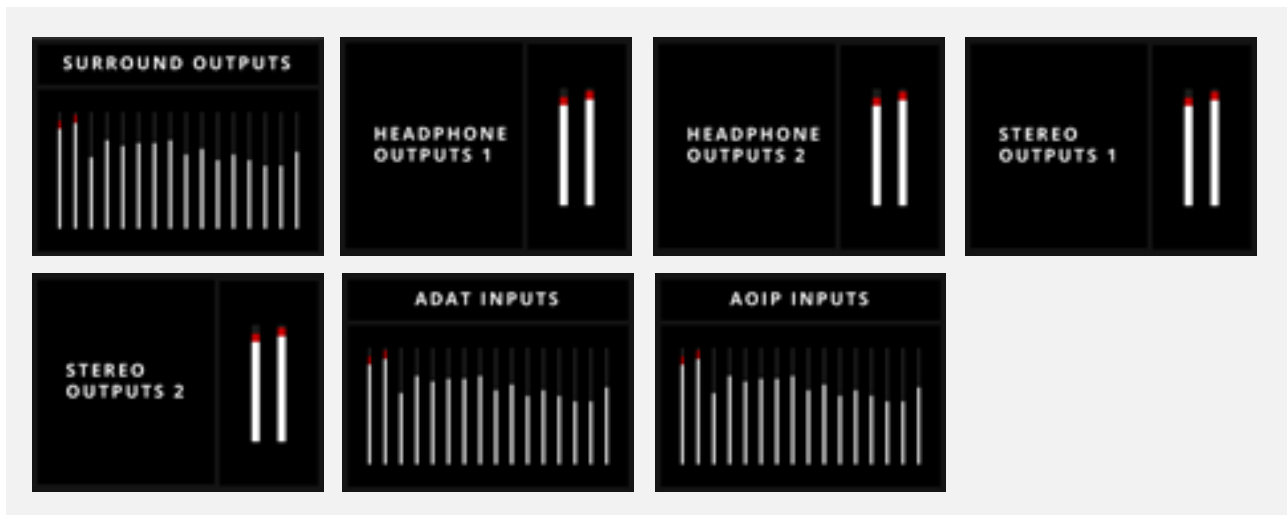




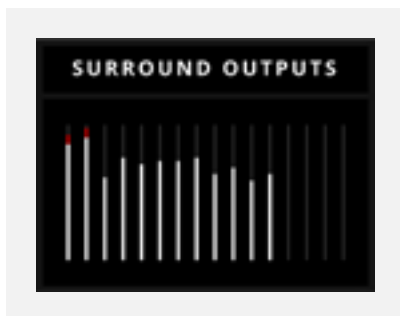
# Metering

You can toggle through all of ORIA's output meters (Surround, Headphone 1, Headphone 2, Stereo, ADAT or AoIP) by pressing the Control Wheel.

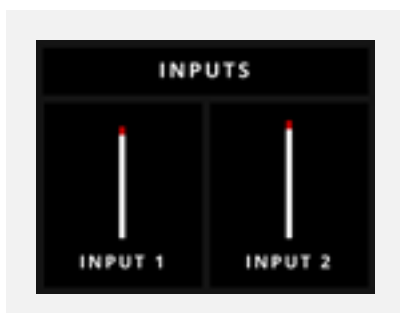
The display panel will default back to metering the outputs of your chosen speaker configuration after 3 seconds without hardware interaction.



Any surround configurations that use less than 16 channels will have any unused channels greyed out.



You can meter Inputs 1 & 2 by pressing the corresponding Channel Select Button and then pressing the Control Wheel.





# Connectivity

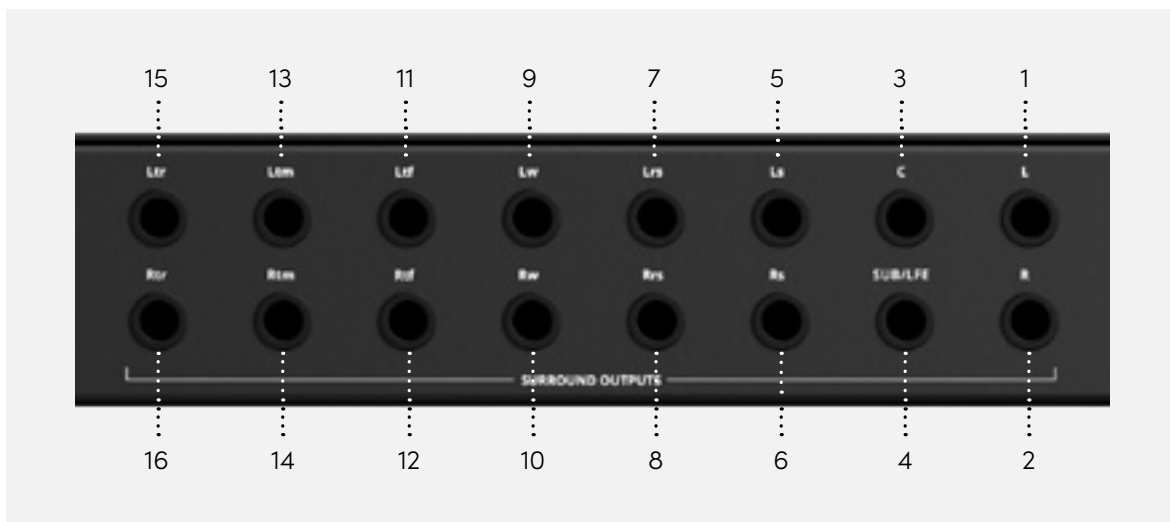


# Stereo Outputs

ORIA provides two identical, balanced\* stereo outputs (ST1 and ST2) to feed your chosen stereo speakers. These outputs are relay-switched from the Stereo channels of the surround outputs.

# Surround Outputs

The ORIA also provides a comprehensive selection of balanced\* surround outputs to feed your chosen speaker configuration.



- |    |                             |     |                        |
|----|-----------------------------|-----|------------------------|
| 1. | Left (R)                    | 9.  | Left Wide (Lw)         |
| 2. | Right (R)                   | 10. | Right Wide (Rw)        |
| 3. | Center (C)                  | 11. | Left Top Front (Ltf)   |
| 4. | Low Frequency Effects (LFE) | 12. | Right Top Front (Rtf)  |
| 5. | Left Surround (Ls)          | 13. | Left Top Middle (Ltm)  |
| 6. | Right Surround (Rs)         | 14. | Right Top Middle (Rtm) |
| 7. | Left Rear Surround (Lrs)    | 15. | Left Top Rear (Ltr)    |
| 8. | Right Rear Surround (Rrs)   | 16. | Right Top Rear (Rtr)   |

\*Due to the output topology implemented, unbalanced cables can be used if necessary.



# Digital I/O

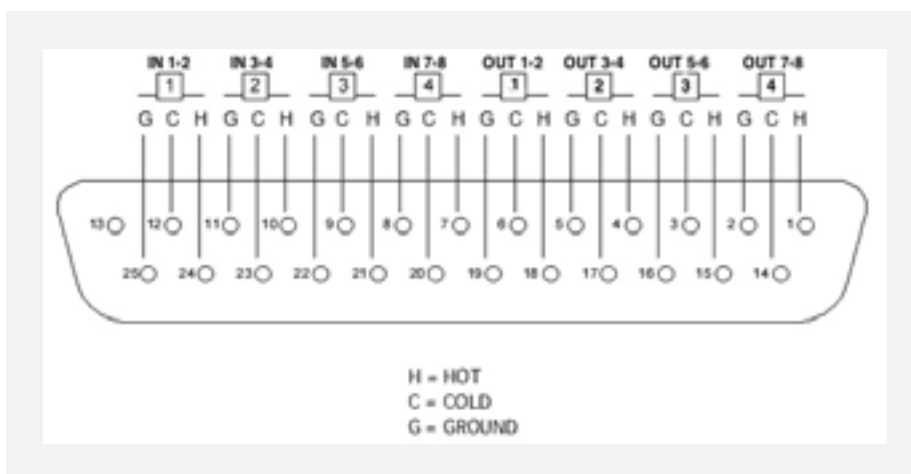
If you need to expand your audio inputs and outputs then the ORIA provides digital options for both:

- 16 x AES Outputs (DB25) to feed speakers with AES/EBU inputs
- 2 x ADAT Inputs (Optical TOSLINK) providing up to a total of 16x input channels at 44.1/48kHz or 8x channels at 88.2/96kHz (SMUX).

(Please note that the AES Outputs and Analog Surround Speaker Outputs cannot be used at the same time).

## AES Pinout

In order to provide 16 channels of audio via a single DB25 port, ORIA uses a standard TASCAM pinout on its AES DB25 output as per the diagram below:



A standard Analog DB25 to 8x XLR loom can be used to break out the DB25 to 8 XLR connectors, with each XLR carrying two channels of audio. This Loom can then be connected to 110 Ohm AES XLR to XLR cables to feed your monitors.



# Wordclock

You can choose to have the ORIA be the source of your studio's clock signal (Controller\*) or receive a signal from an external source (Peripheral\*) via the respective BNC Word clock Input and Output.

**\*\*Please Note:** Audient has chosen to move away from the traditional terminology relating to clock sources – we will now be using Controller (F.K.A. Master), and Peripheral (F.K.A. Slave).

## Clocking Configurations

ORIA can be used as either the Controller, providing clock to other devices or as the Peripheral, receiving a clock from other devices. It is important to only ever have one Controller in a setup or you may get clicks and pops in your audio due to clocking errors.

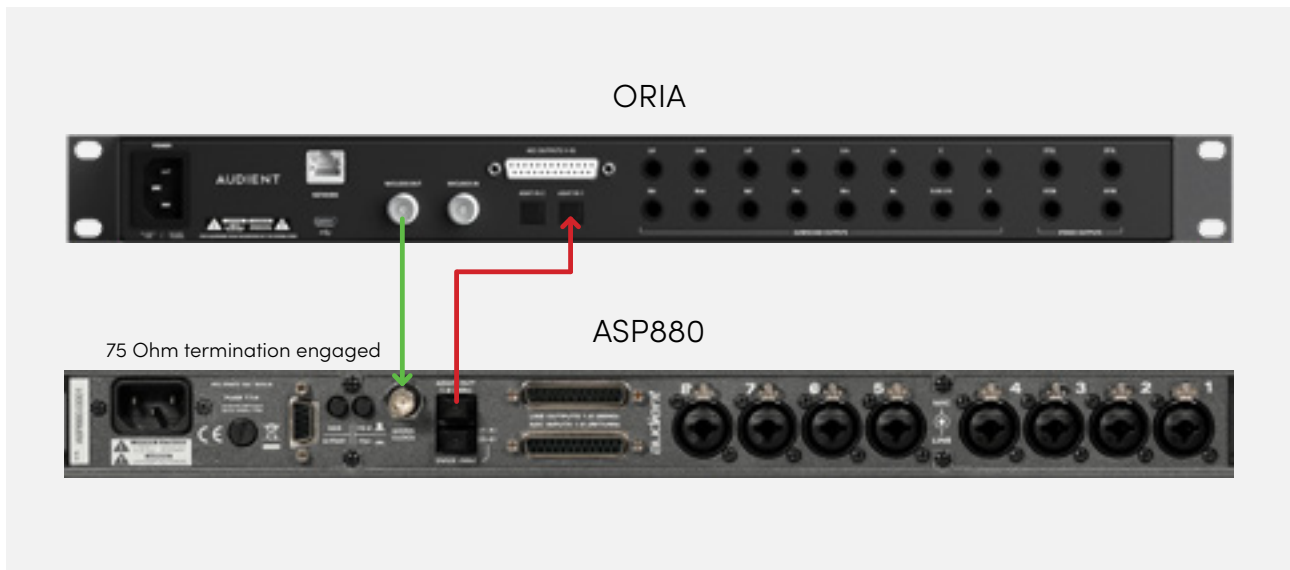
### ORIA as the Controller:

Wordclock can be sent out of ORIA via the BNC Output to other devices to allow other devices to sync to ORIA's clock.

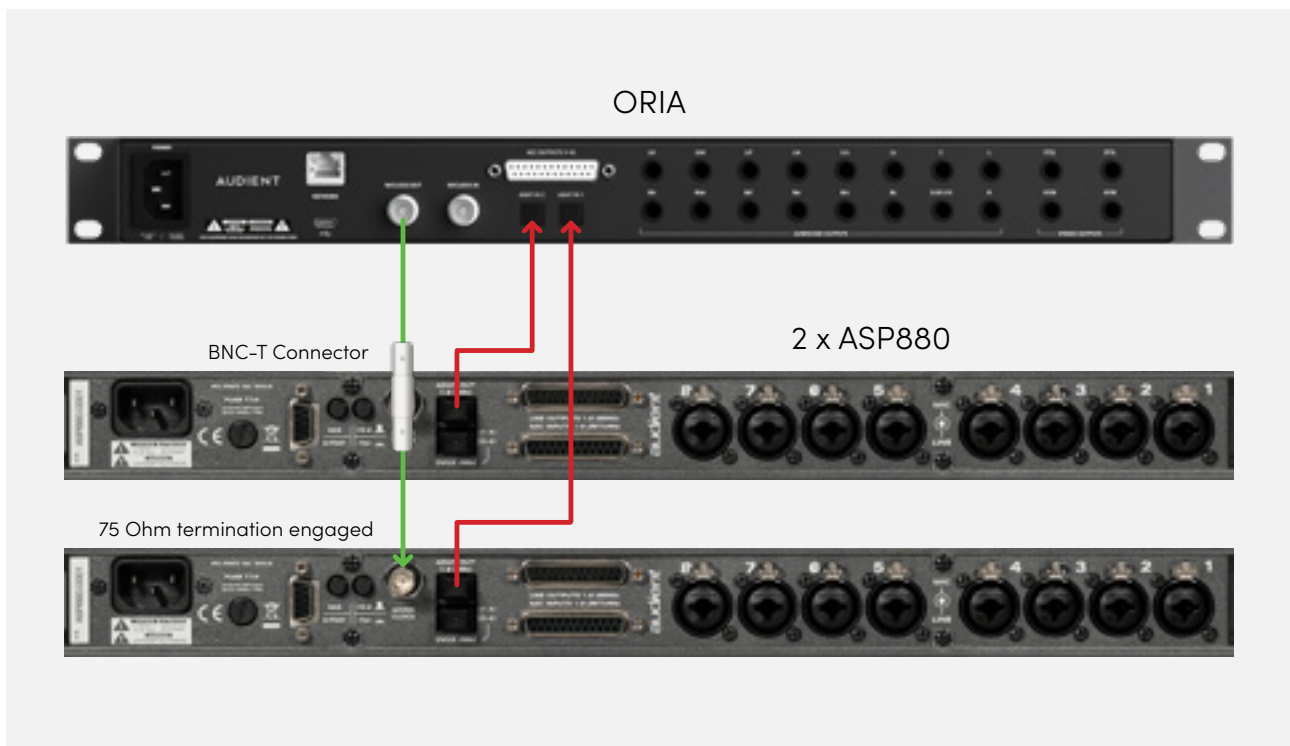
If you wish to connect multiple devices to ORIA's BNC Output then you would need to make use of BNC T-Connectors as shown in the diagrams. When connecting multiple devices, it's important that only the last device in the chain has its 75 Ohm BNC termination enabled. If you are unsure how to enable/disable 75 Ohm termination, please refer to the user manual for the external device.



## Connecting ORIA to a single device via BNC:



## Connecting ORIA to multiple devices via BNC:



**Key:**      BNC Word Clock Cable      Optical TOSlink Cable





## ORIA as the Peripheral:

ORIA can receive clock via the ADAT Input from an external device such as an Audient ASP880.

### Receiving a clock via ADAT



Please note that ORIA cannot send the clock via ADAT as it has no ADAT outputs, if you wish to use the ORIA as a master clock for an ADAT device, then a BNC connection must be used.

### Receiving a clock via BNC





## Setting The Clock Source

Once you have connected your external devices to ORIA as per the example diagrams, you will need to instruct ORIA where to take its clock from. This is done in the System Panel of the ORIA software. More information regarding this can be found in the System Panel section of the manual.

## USB

You can connect ORIA with your chosen computer via USB-C. If your computer doesn't have a USB-C port, then a third party USB-C to USB-A cable should be used instead.

## Network Audio

ORIA can be fitted with an optional Dante® card that provides 16 input channels. This allows ORIA to be used as a standalone immersive audio monitor controller in an existing Dante installation.

**\*Please Note:** The optional Dante® Card must be fitted by an approved installer. If you wish to retrofit a Dante® card into an existing ORIA unit, please contact our support team for information.

## Setting Up ORIA in Dante Control

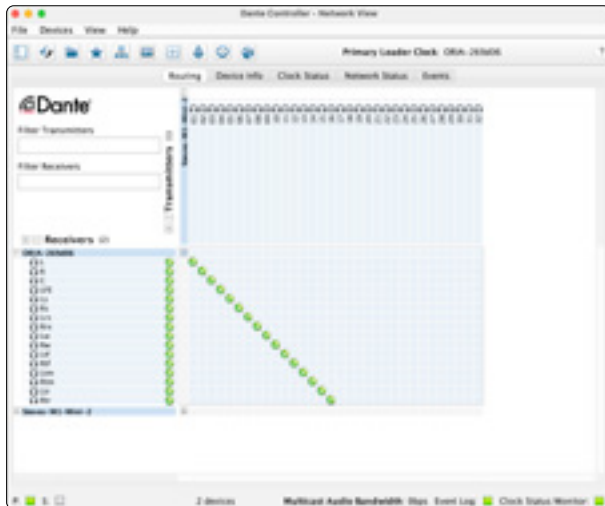
Configuring ORIA as a Dante® receiver is done in the Dante® Controller application. This is a third-party piece of software. This software and its supporting documentation can be downloaded here: <https://www.getdante.com/product-support/dante-controller/>

When connected to your Dante® Network, ORIA will appear in the list of “Receivers” devices. You can assign the various channels of ORIA to the output channels of the Transmitter device. The screenshots below, for example, show ORIA receiving from the Dante® Virtual Sound Card transmitter device, however the same would apply to any Transmitter device.

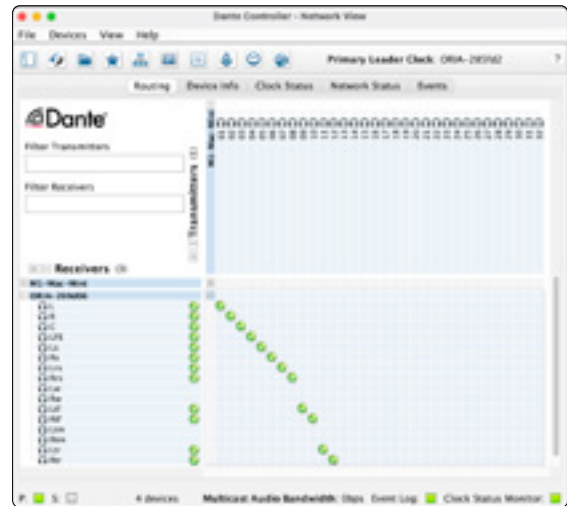


Now use the routing matrix to route the channels of the Transmitter device to the correct speaker outputs of ORIA. Below is an example of a 9.1.6 setup and a 7.1.4 setup. Note that the 7.1.4 setup skips the **Lw**, **Rw**, **Ltm** and **Rtm** speaker channels as these are not used in a 7.1.4 speaker configuration.

## 9.1.6



## 7.1.4



It is important to ensure that the Transmitter and Receiver devices are both running at the same sample rate, as you may not be able to send audio between devices if using different sample rates. You can adjust a device's sample rate by double-clicking on the device and clicking on the "Device Config" tab.



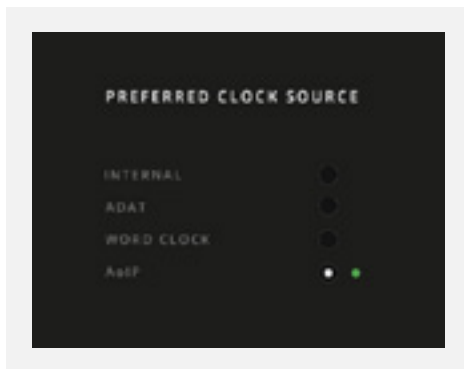


It is possible to create more complex setups with the Dante© Controller software, however, this is outside the scope of this manual. We would strongly recommend further reading of the documentation available here: <https://www.getdante.com/product-support/dante-controller/>

## Setting up the ORIA Control Application

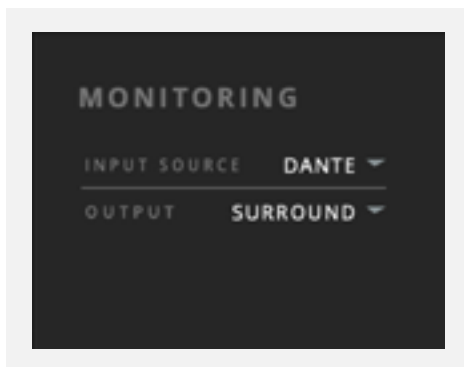
Once you have set up the ORIA as a receiving device in the Dante© Controller application, you can use the Dante card (AoIP) as an Input Source in the ORIA Control Application.

Firstly, you may need to adjust your clock source. Open the System Panel of the ORIA Control Application, and in the Preferred Clock Source section, ensure that AoIP is set as your clock source.



Any changes made to the sample rate of ORIA in the Dante© Controller Software will be immediately reflected on the ORIA.

Finally, you can select Dante© as the Input Source in the monitoring section of the ORIA Control Application. ORIA will now be playing back the audio being received via the Dante connection.





## **Additional Clocking Information**

When using the AoIP clock as your Preferred Clock Source, it is still possible to use ORIA to distribute this clock via the BNC output in order to Sync an ADAT device connected to ORIA.

Please note that if using the Dante card as your Input Source, any ADAT devices connected to ORIA must be clocked via the BNC word clock output of ORIA. The ADAT input cannot be used as the preferred clock input.

If using an external Word Clock unit, it is also possible to use the BNC Word Clock Input of ORIA as the preferred clock source and then distribute this clock over the AoIP network. However, this does fall outside of the scope of this manual; more information on how to set up clock distribution in the Dante Control application can be found in the Dante Controller User Manual.



# Technical Specifications

## Mic inputs:

- Gain: 60dB
- Max Input Level: +18dBu
- Crosstalk: <105dB
- THD+N: 0.0015% / -96dB
- EIN: -129dB
- CMRR: -85dB
- SNR: 100dB
- Frequency Response:  $\pm 0.5$ dB 20Hz to 40kHz
- Input Impedance: 1.5k $\Omega$  Balanced

## Line input:

- Gain: -10dB to +50dB
- Max Input Level: +18dBu
- THD+N: 0.0015% / -96dB
- Input Impedance: 4.7k $\Omega$  Balanced

## D.I / Instrument Input:

- Gain: 60dB
- Max Input Level: +18dBu
- THD+N: 0.16%
- SNR: 100dB
- Frequency Response:  $\pm 0.5$ dB 20Hz to 40kHz
- Input Impedance: 370k $\Omega$  Unbalanced

## Line Outputs:

- Lineup Level: +18dBu
- THD+N: 0.0006%, -105dB
- Dynamic Range: 126.5dB
- Crosstalk: -123dB
- Frequency Response:  $\pm 0.3$ dB 10Hz to 40kHz
- Output Impedance: <100 $\Omega$  Balanced



## Headphone Outputs:

- Lineup Level: +18dBu
- THD+N: 0.0007% (-103dB)
- Dynamic Range: 124dB
- Crosstalk: -115dB
- Frequency Response:  $\pm 0.25$ dB 10Hz to 40kHz
- Output Impedance:  $< 50 \Omega$  Unbalanced
- Max Level @ 30R: 5.47V Peak, 3.87Vrms, 997mW
- Max Level @ 60R: 7.4V Peak, 5.29Vrms, 912mW
- Max Level @ 600R: 8.6V Peak, 6.09Vrms, 123mW

## USB-C:

- Connector: USB Type C
- Included Cable: USB Type-C to Type-C
- Number of Input Channels: 34  
(2 x Analogue, 16 Digital, 16 AOIP\*)
- Number of Output Channels: 38  
(20 Line Outs, 2 x Stereo Headphone Outs, 16 x AES)

\*With AOIP card fitted

## Digital Inputs:

- ADAT 16 Channels: 44.1kHz to 48kHz
- ADAT 8 Channels (SMUX): 88.2kHz to 96kHz

## Word Clock Input and Output:

- Word Clock: 44.1kHz to 96kHz

## DSP Latency:

Round Trip:

- 44.1kHz – 6.5ms
- 48kHz – 6.3ms
- 88.2kHz – 5.5ms
- 96kHz – 5.4ms

## AOIP (Optional Dante Expansion Card):

- AOIP Inputs: 16 (44.1kHz to 96kHz)

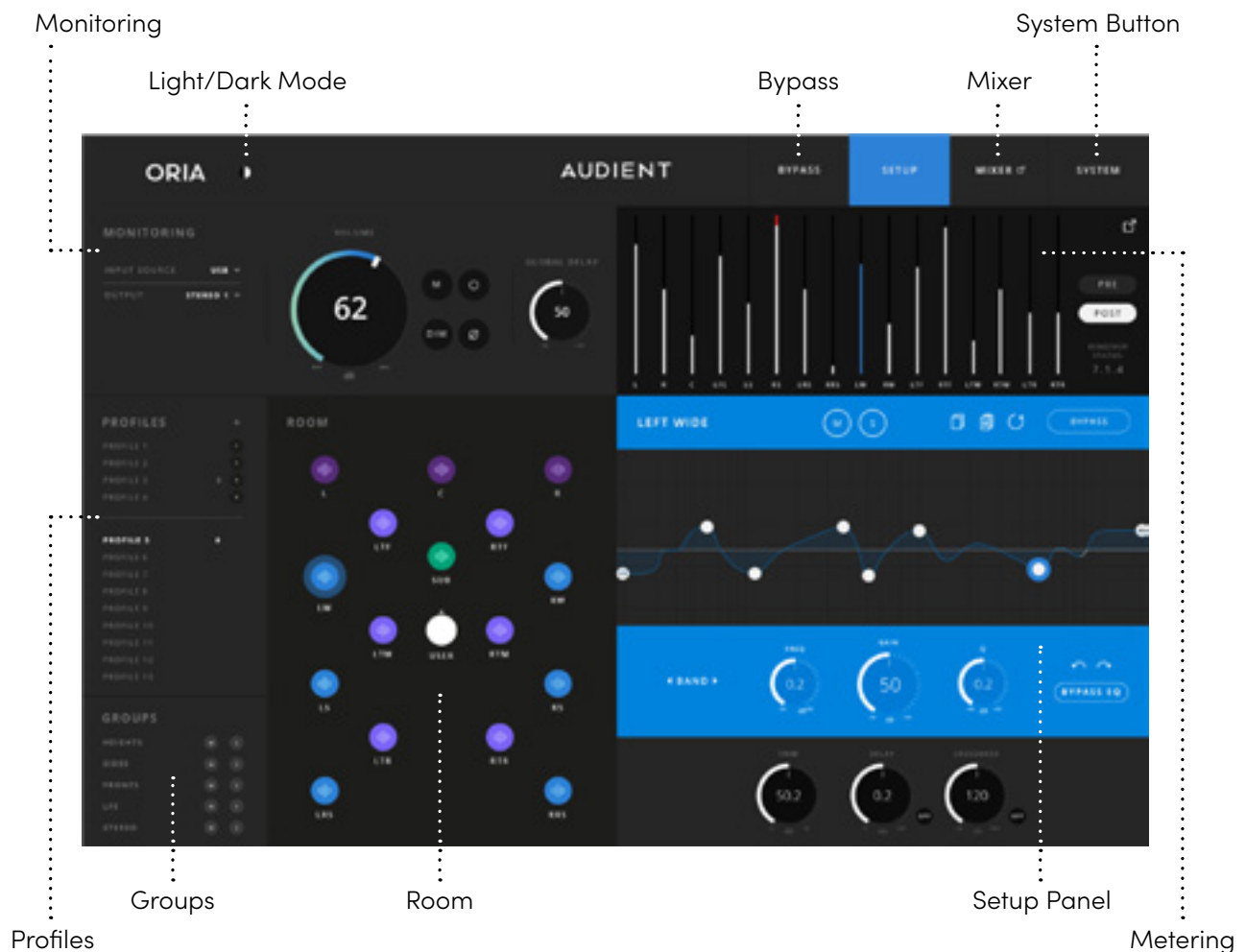
## Power Supply:

- Input Voltage: 85 – 264 VAC
- Input Frequency: 47 – 63Hz



# Software Features





The ORIA Control Application is an intuitive platform designed to monitor, calibrate and control your speaker array, with the ability to tailor the system to suit your layout and room.

Audient have partnered with the groundbreaking speaker calibration company, Sonarworks(™) to get you started on your immersive mixing journey quickly and easily.



# Profiles

Profiles are the heart of the ORIA control philosophy. When we select a Profile, we are simultaneously selecting the choice of speakers assigned to that Profile alongside all of the calibration parameters for every channel – all in one button press. This allows you to quickly switch between Profiles which have been created for different monitoring formats or target modes.

A total of 32 Profiles can be stored on ORIA itself. It is worth noting that although Profiles are stored directly on ORIA's hardware, they are controlled using the Profiles Panel or the Profile button on the front of the unit.

A Profile stores all of the speaker calibration settings, including the EQ curve for every channel, trim, delay and crossover as well as the overall channel routing.

You can either create new Profiles manually in the ORIA Control Application or by importing them from the SoundID Reference for Multichannel app by Sonarworks™).

## Creating a New Profile

To create a new Profile click the '+' icon found in the top right of the Profiles Panel. Name your Profile and hit Save. The Profile can be renamed by right clicking on it and typing in the new name.

## Duplicate an Existing Profile

To duplicate an existing Profile, right click on a Profile name in the Profiles Panel, and select 'duplicate'. A copy of the Profile will appear below the original Profile.

## Rename a Profile

To rename a Profile, right click on the Profile name in the Profile Panel, and select Rename. A cursor will appear enabling you to edit the text. Type the new name and press enter when done.

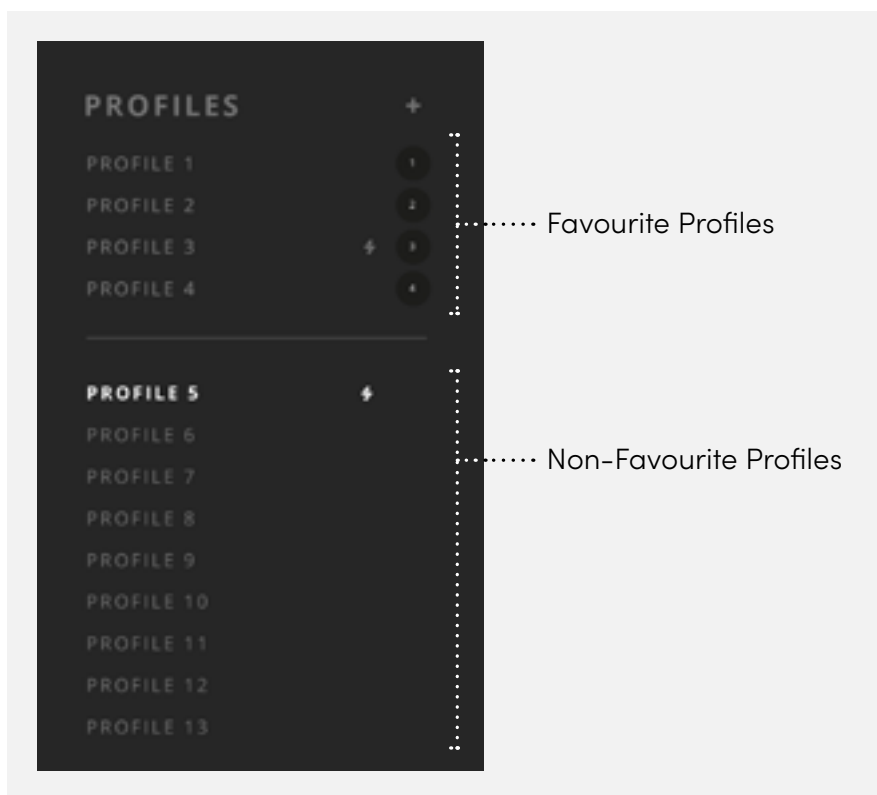


## Delete a Profile

To delete a Profile, right click on the Profile name in the Profile Panel and select delete. A window will appear asking you to confirm your deletion.

## Profile Organisation

The Profiles list is split into two sections. The 'Favourite' Profiles (F) are the four listed above the dividing line, each with their own number. The Profiles below the dividing line are the 'Non-Favourite' Profiles (NF).





Profiles may be reordered at any time, simply by holding down the left mouse button on the chosen profile and dragging it to the chosen location. When reordering profiles, the following logic applies:

**Favourite -> Favourite:** The two Profiles will swap locations.

**Favourite -> Non-Favourite:** The Favourite Profile will be dropped where the user intended. The top Non-Favourite Profile is moved up to the Favourite section.

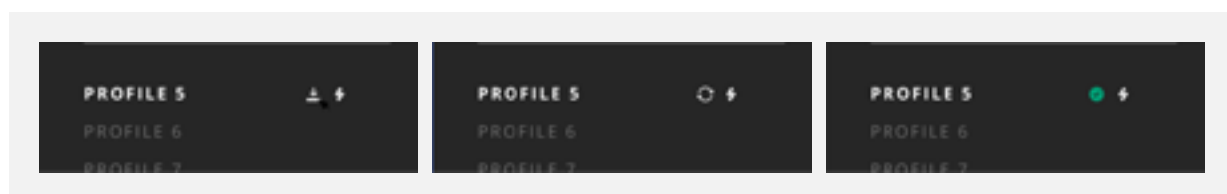
**Non-Favourite -> Non-Favourite:** The Profile will drop where the user intended, and all Profiles below will shuffle down.

**Non-Favourite -> Favourite:** The Non-Favourite Profile will replace the location of the original Favourite Profile. The original Favourite Profile will now be placed at the top of the Non-Favourite list, and every other profile will shuffle down.

## Selecting a Profile

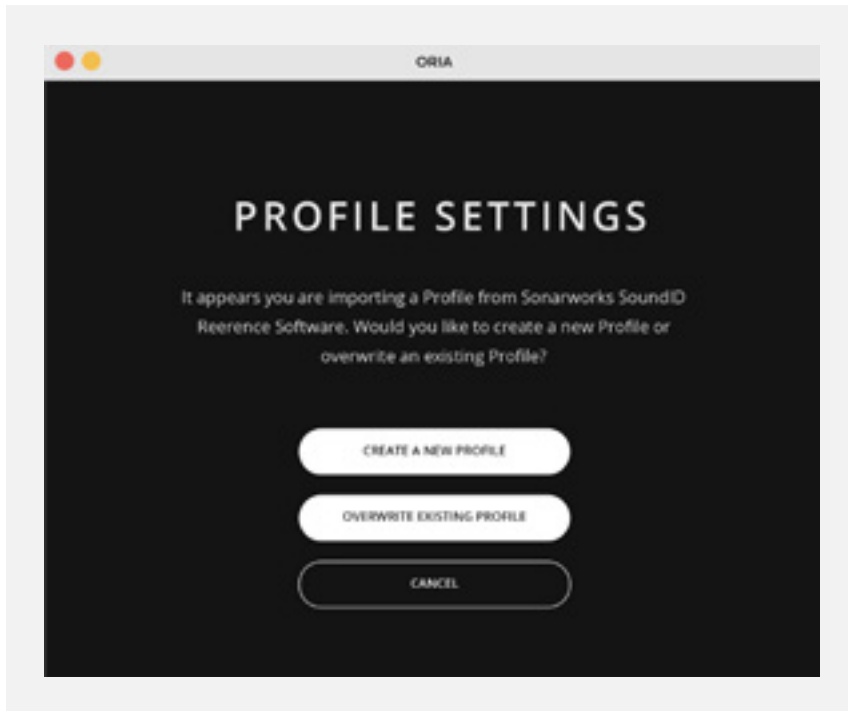
To use a Profile, you can simply click on it from the Profile list. This is now your inactive Profiles. This Profile will be highlighted with white text while the other inactive will be greyed out.

You can also select Profiles using the Profile Button on the front panel of the unit by either tapping it to cycle through your designated favourite Profiles or pressing and holding to select from the full list of Profiles.





If you try to change Profile or close the ORIA Control Application without saving the changes you'll see a Dialogue Box window asking if you wish to save the changes to the current Active Profile, create a new Profile or discard the changes.

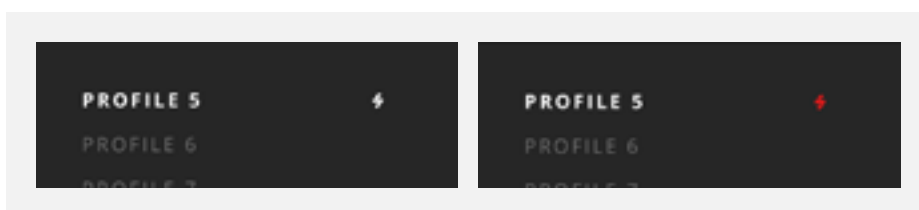


Please note that you can have a maximum of 32 Profiles so if you have filled every slot, the 'Create New Profile' will be greyed out and you will have to overwrite an existing setting or discard changes.

## Sonarworks Profile Status

If you have imported a Profile from Sonarworks(™) then a small Sonarworks logo will appear next to it in the list. The logo's colour will indicate it's current status:

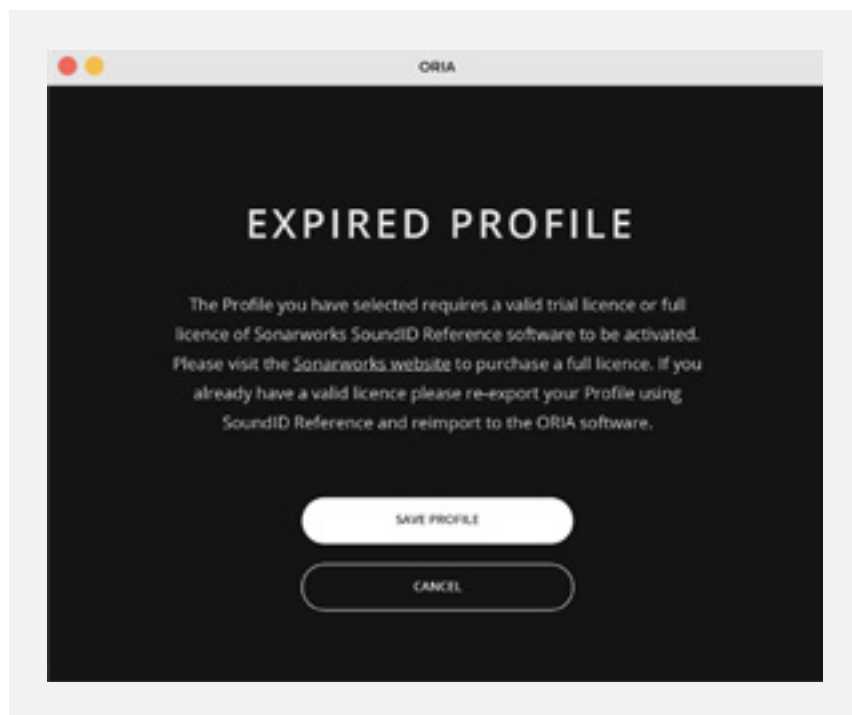
- White 'S' logo - Your Sonarworks(™) licence (trial or full) is valid
- Red 'S' logo - Your Sonarworks(™) trial licence has expired





Profiles with a red Sonarworks logo cannot be selected as the Active Profile.

If you attempt to select a Sonarworks Profile that has a red logo then a Dialogue Box will appear prompting you to either purchase a valid Sonarworks license or if you have already purchased a full Sonarworks license, re-import your Profile from SoundID Reference for Multichannel.



**Please note: Sonarworks(™) Trial Profiles cannot be used when the unit is in standalone mode. When the trial period has expired, a Sonarworks(™) full licence needs to be purchased and the profile re-exported into the ORIA Control Software.**

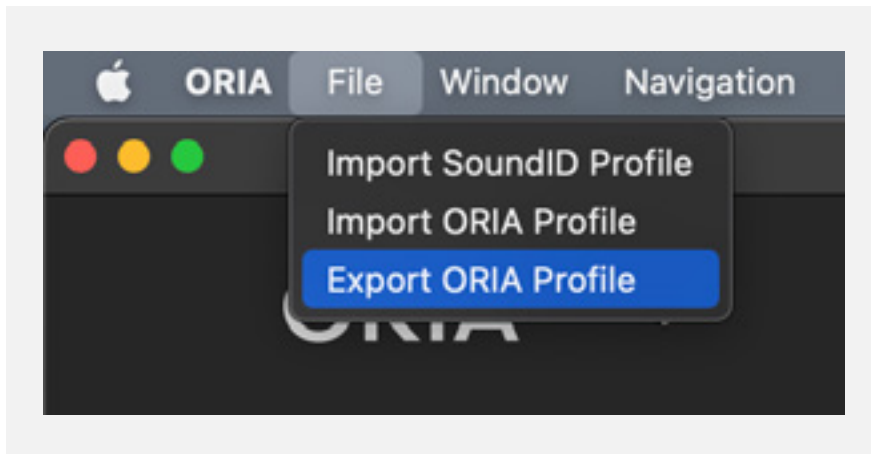
## Importing and Exporting Profiles

The ORIA Control Application allows you to export your manual Profiles so they can be backed up or shared between users. In addition, there is the option to import both Sonarworks and ORIA profiles from an external file.

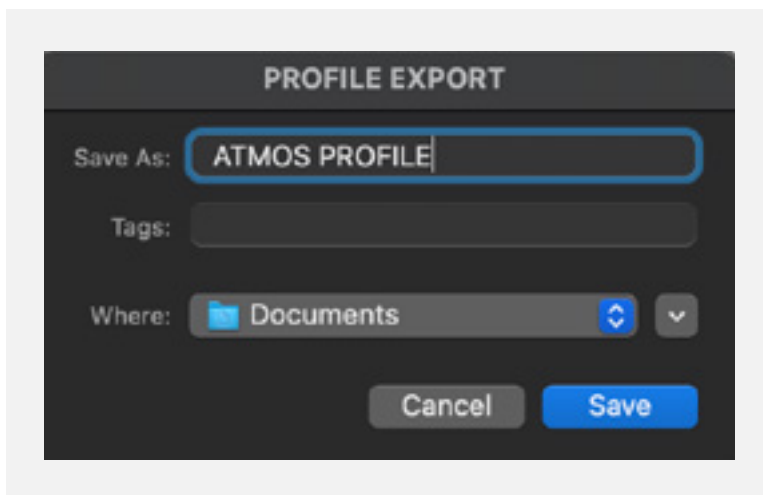


## Exporting an ORIA Profile

To export the currently active ORIA Profile, go to the menu bar and navigate to **File > Export ORIA Profile**.



Now, give the Profile a name and select the location that you wish to export your Profile file to.

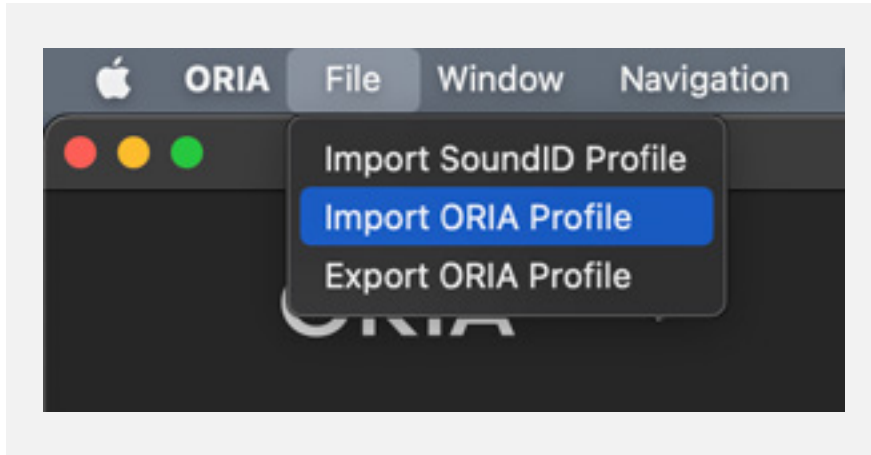


Click 'Save' and the Profile will be exported.



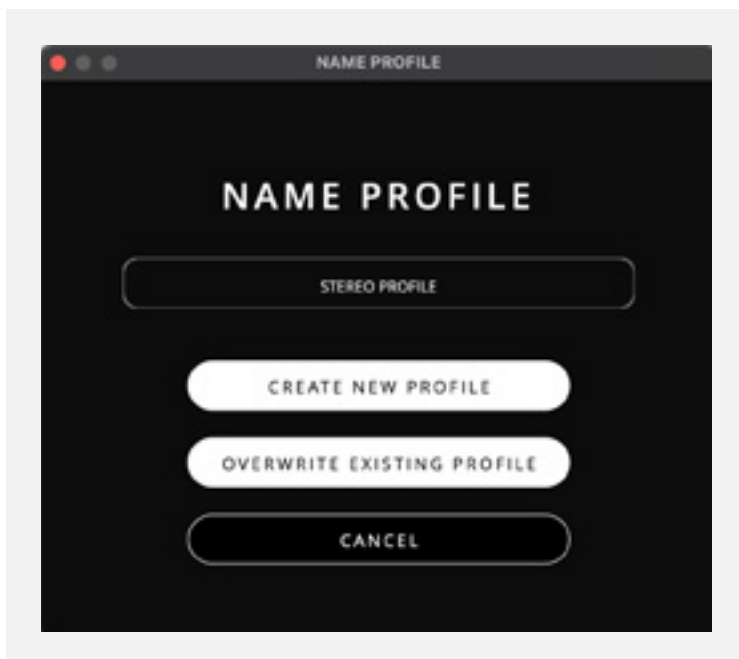
## Importing an ORIA Profile

To import an ORIA Profile, go to the menu bar and navigate to **File > Import ORIA Profile**.



A Finder or File Explorer Window will now open, allowing you to select a previously saved Profile. Once you have selected your File, click 'Open'.

The next screen allows you to rename the Profile as required. In addition, you can now choose whether to create a new Profile or override an existing Profile.

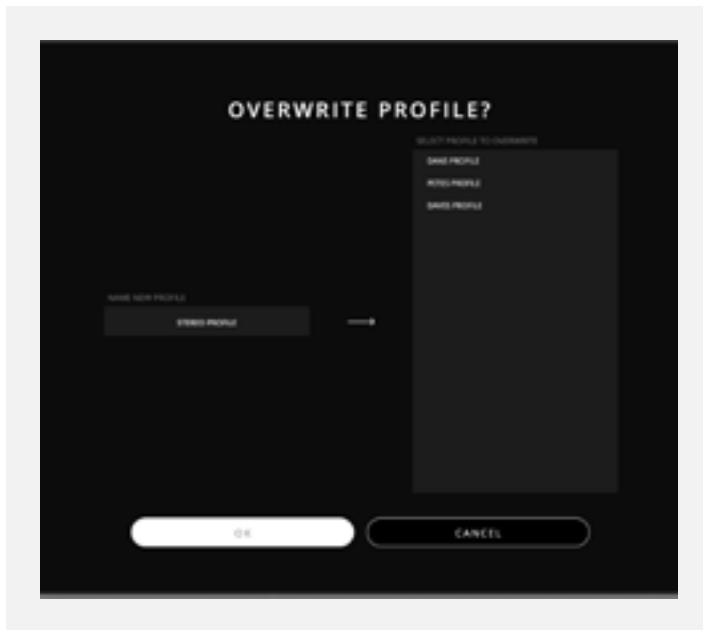


**Create New Profile** – Selecting 'Create New Profile' will simply add the Profile to the list of Profiles found on the left-hand side of the ORIA Control App.



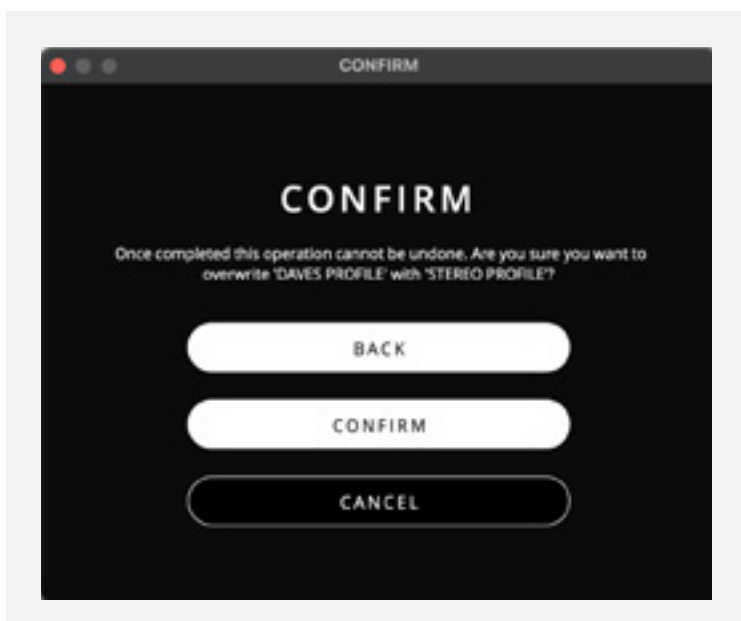
Please note that you can have a maximum of 32 Profiles, so if you have filled every slot, the 'Create New Profile' will be greyed out and you will have to overwrite an existing setting or discard changes.

**Overwrite Existing Profile** - Selecting 'Overwrite Existing Profile' will allow you to select which existing Profile you wish to overwrite.



Select a Profile from the list of Profiles and click 'OK'. A confirmation screen will appear to confirm that you wish to overwrite the selected profile.

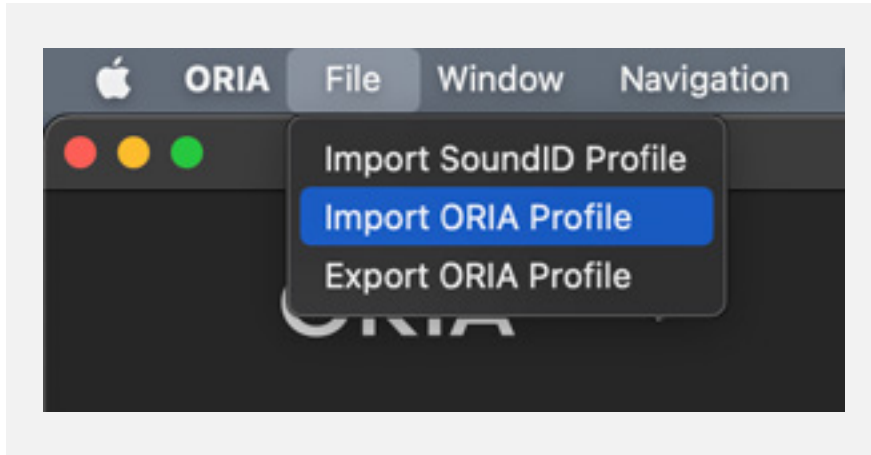
Please note that once a Profile is overwritten, it cannot be undone. If you wish to return to the previous screen, click 'Back', or select 'Cancel' to abort the import entirely.





## Manually Importing a SoundID Profile

To manually import a Sonarworks SoundID Profile, go to the menu bar and navigate to **File > Import SoundID Profile**.



A Finder or File Explorer Window will now open, allowing you to select a SoundID Profile created in the Sonarworks SoundID Reference Measurement application. Once you have selected your File, click 'Open'.

As per importing an ORIA profile, you can now choose whether to create a new Profile or if you wish to overwrite an existing one.

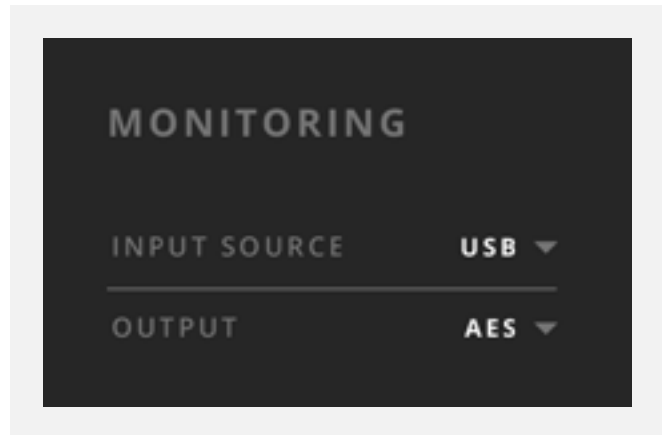


# Monitoring

## Input Source

Select your audio inputs:

- USB
- ADAT
- Software Mixer, Master Mix
- Software Mixer, CUE A
- Software Mixer, CUE B
- Dante



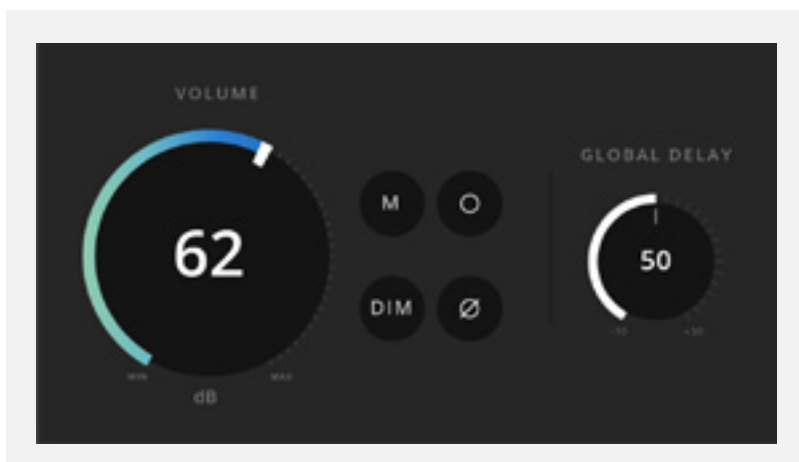
## Output

Select your audio outputs:

- ANALOG
- AES

## Volume

Control the overall volume of your selected speakers. This is controlled either by clicking and dragging the control or by using the Control Wheel on the front of the unit.





## Mute (M)

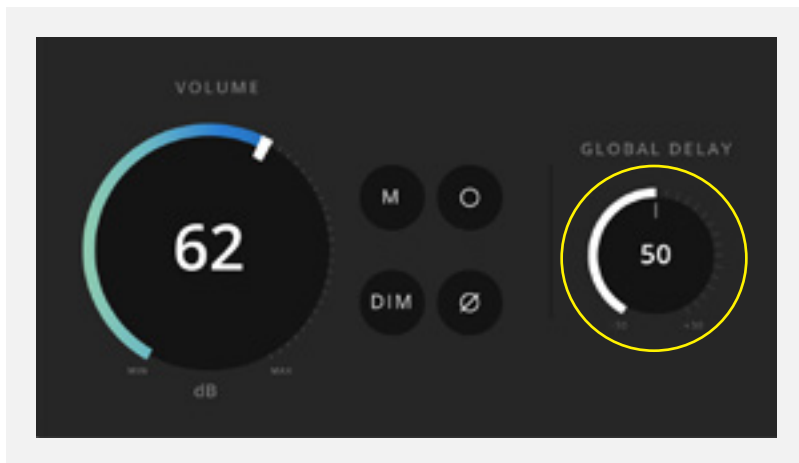
Mute all speakers outputs.

## DIM

Reduce the overall volume by a chosen level. The level of reduction can be changed in the System Panel of the ORIA Control Application.

## Global Delay

Introduce up to 100ms of delay to all speakers, helping align the audio playback with video sources for lip sync.



## Mono

Sums the Left and right channels together for mono compatibility checking.

## Polarity

Flips the Phase of the Left channel and sums the outputs to MONO.

## Return To Reference

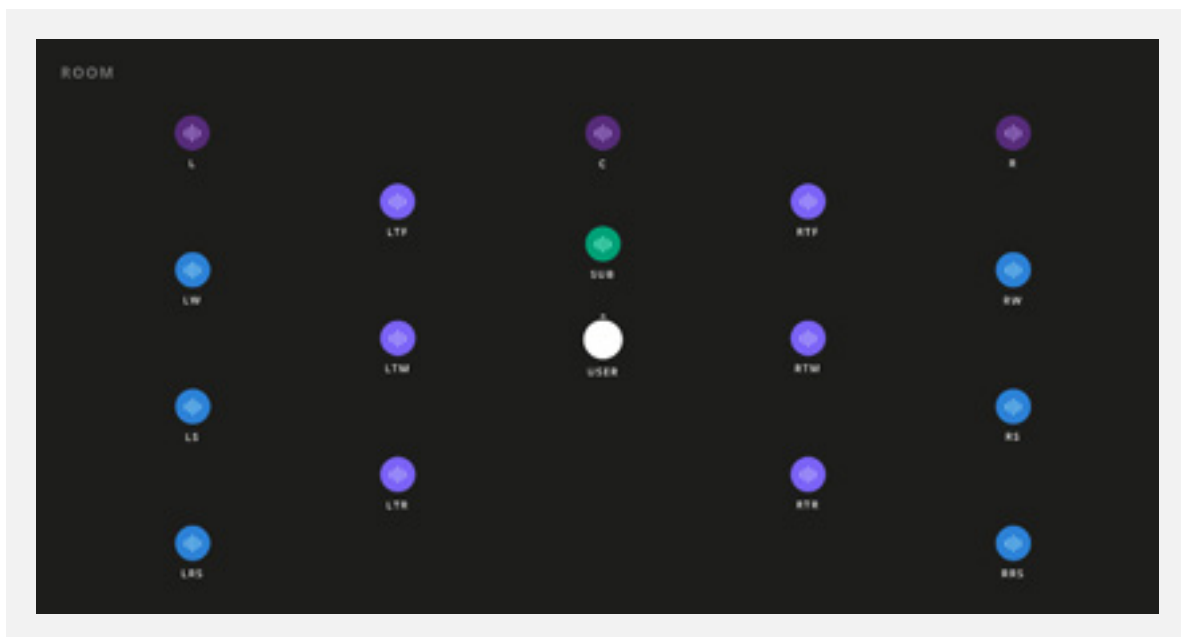
Returns the Output level of ORIA to the Active Profiles saved Output Level.



# Room

This section provides a visual display of your speaker configuration. The white USER icon indicates the direction that the listener would face. The colours of the units indicate which of the speaker Groups they belong to:

- **HEIGHTS** = Light Purple
- **SIDES** = Blue
- **FRONTS** = Dark Purple
- **SUBS** = Green



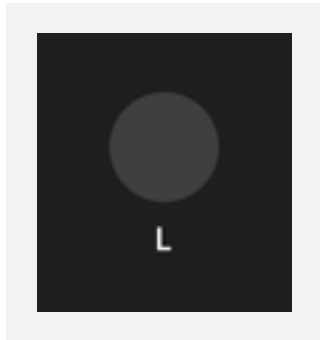
When a speaker is receiving audio, you will see a small waveform icon appear on it. This is helpful when trying to identify which speaker output is playing audio during setup and installation.



# Solo /Mute

Speakers in the Room may be Solo'd or Muted using the following keyboard shortcuts:

- Mute - Left Click



- Solo - Shift + Left Click



Whilst a speaker is Solo'd, the Mute function will become unavailable for all other speakers and groups. Users will be able to continue to Solo other speakers in the Room. Solo'd speakers will have their corresponding meters active in the 'Post' metering window.

Clearing Solo/Mute states is possible by using the following shortcut:

- **Option (MacOS) / Alt (Windows) + Left Click**

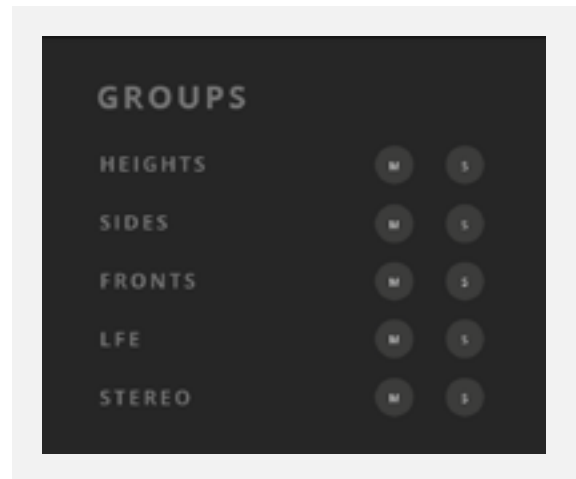
Clicking on a Solo'd speaker will clear all active Solos, and if clicked on a Muted Speaker it will clear all active Mutes.



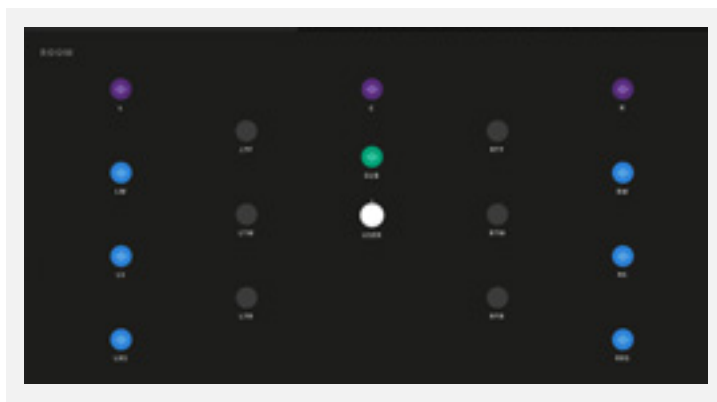
# Groups

This monitoring function allows you to Mute or Solo predetermined groups of speakers:

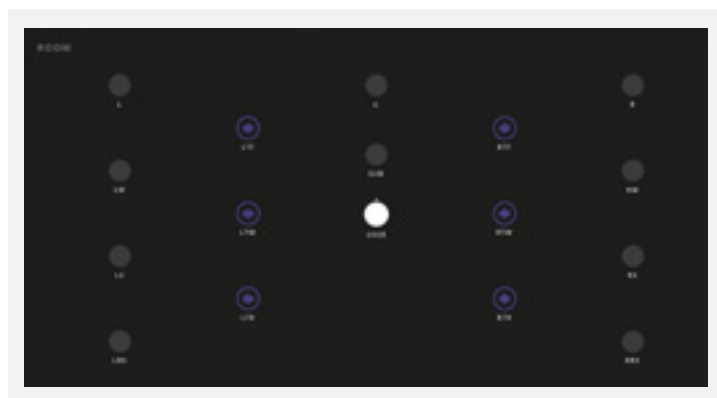
- **HEIGHTS** (Ltf, Rtf, Ltm, Rtm, Ltr & Rtr)
- **SIDES** (Lw, Rw, Ls, Rs, Lrs & Rrs)
- **FRONTS** (L, R & C)
- **SUBS** (LFE/SUB)
- **STEREO** (L & R)



When individual speakers, or speaker Groups, are muted they will be greyed out in the Room window.



Similarly, if a Speaker Group or Groups have been Solo'd then all other Groups will be greyed out in the Room window.





# Metering

The ORIA Control Application provides a straightforward metering solution to allow you to quickly check your levels, output routing and the impact of ORIA's digital signal processing (DSP). Meter settings are entirely independent of your Profiles, so will not change when moving between Profiles.

## PRE

This shows the signals entering the ORIA Control Application from your DAW outputs. PRE is selected as the default.

## POST

This shows the signals leaving the ORIA Control Application after the output DSP and going to your speakers. POST Metering mode will take the volume control into account.

## LFE/SUB

When in PRE metering mode, the Meter for the LFE channel will only show the audio being sent to it from your DAW on the LFE channel. When in POST Metering mode however, the meter will also show the audio that is being assigned to the SUB channel from the crossovers you have applied on each speaker channel in the ORIA Control Application.

The labelling of this channel will change from 'LFE' when in PRE mode to 'SUB' when in POST mode to indicate this difference.



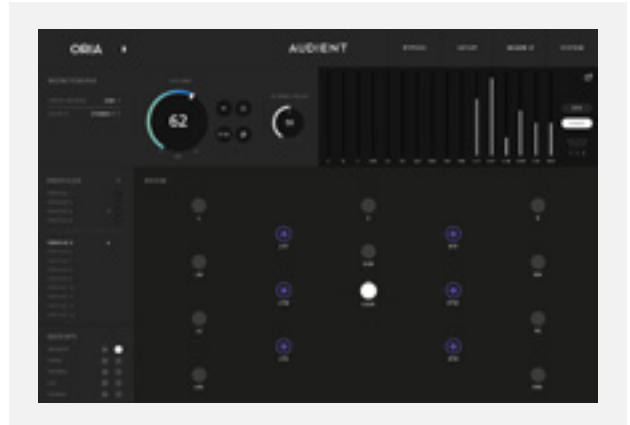
## Muting/Soloing Channels

If a speaker channel is muted, then the meter for this channel will also be greyed out. If a channel or channels are Solo'd, all other channels will be blacked out.

### Muting Channels

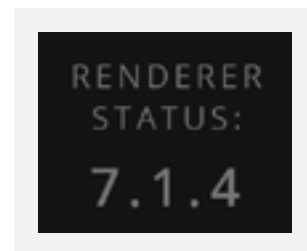


### Soloing Channels



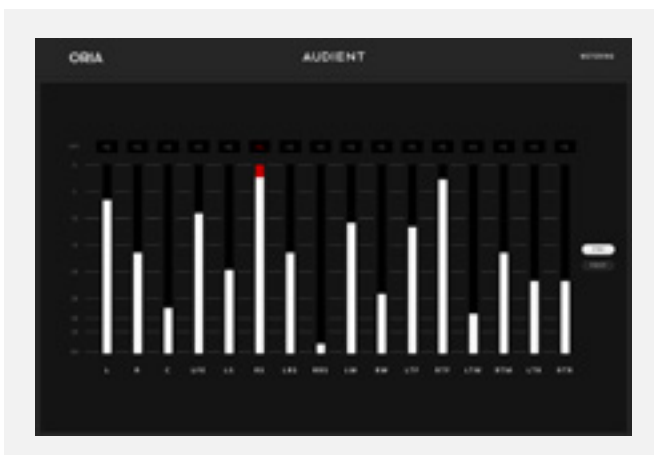
## Down Mix Status

If you have configured a renderer in the System Panel then you can quickly check the current Down Mix Status in the bottom right of the meters. If no renderer has been selected then this will not appear.



## Expanded Metering Window

The Metering Panel can be expanded to its own window, allowing you to keep your meters in the foreground whilst mixing. The Expanded Metering Window show more details such as a dBFS scale and peak values.





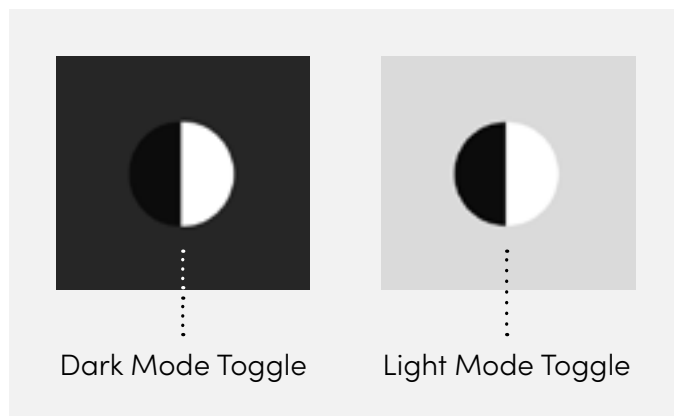
# Menu Bar

## Mixer

This button allows you to quickly launch the Low-Latency Software Mixer Window which allows you to directly monitor your inputs with almost zero latency and create artist cue mixes, More Information regarding the mixer window can be found later in this manual.

## Light/Dark Mode

The ORIA Control Application can be viewed in Light or Dark mode, depending on your preference and your studio environment.

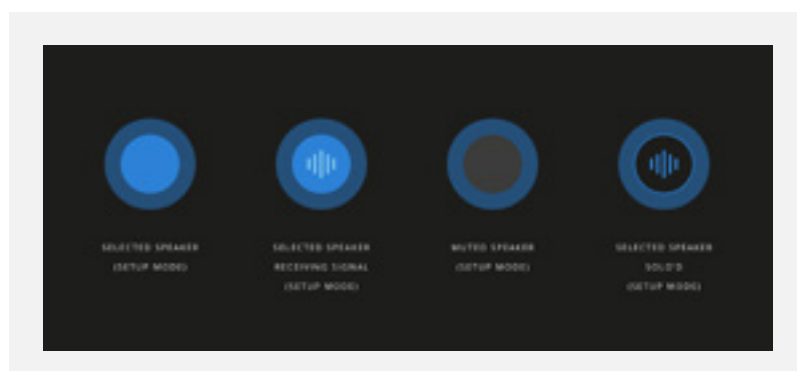


## Master Bypass

This allows you to bypass all DSP settings on the ORIA Control Application.

## Setup Mode

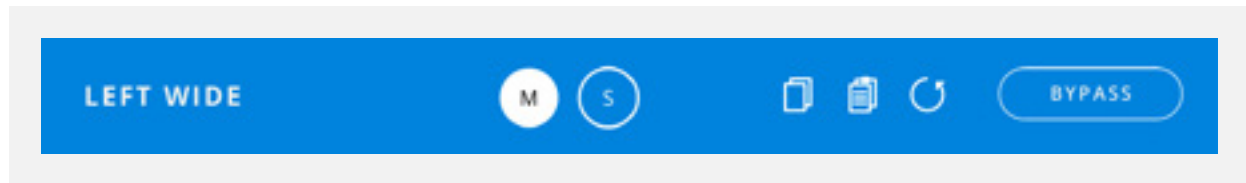
This section allows you to manually edit the calibration settings for each individual output. Click on a Speaker Icon in the Room section to see a range of options for that speaker's output. A halo will appear around that speaker to indicate it is currently being edited.





## Speaker Channel

Shows the name of the Channel currently being adjusted.



## Mute (M)

You can Mute the individual speaker selected.

You can Mute a channel by pressing the 'M' key on your keyboard whilst in Setup Mode.

## Solo (S)

You can Solo the individual speaker selected.

You can Solo a channel by pressing the 'S' key on your keyboard whilst in Setup Mode.

## Copy/Paste

If you wish to use the same settings on other speakers then you can click the Copy Button. You can then select another channel and click the Paste Button to apply the copied settings to that channel.

You can also paste the DSP settings to a Speaker Group if you wish to use the same settings for all speakers in that group.

Simply 'Right Click' on a Speaker Group within the Groups Panel and click Paste to copy.

Please note that only the EQ and Cross-over DSP settings will be pasted to groups. Trim and Delay values should always be set on a per-speaker basis to ensure correct time alignment of your speaker setup.

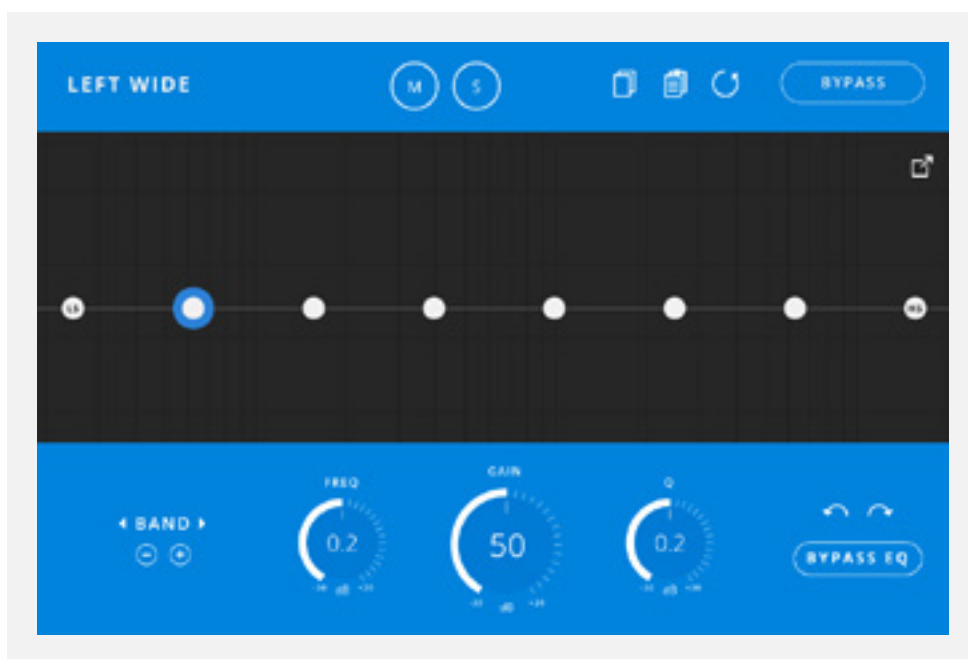


## Reset

The Reset Button sets the channel back to its default settings. A Dialogue Box will appear to confirm you wish to reset the settings to ensure settings are not reset by accident.

## EQ

By default, 8 EQ points will be available per channel to adjust the calibration of that speaker output. However, it is possible to remove bands to make for a clearer graph so you are not using all 8 EQ points, or you can add up to 16 EQ channels.



EQ bands are added using the + and - icons in the Channel setup window. Pressing the + button will add a new EQ point at 1kHz on the graph. You can then enter your frequency, Q and  $\pm$ dB values for the new band, or manually drag the eq point on the graph.

Pressing the - button will remove the currently selected EQ point on the graph.

The left and right Band arrows allow you to navigate through the EQ bands shown on the graph to choose which is the currently selected EQ band. You can also use the left and right arrow keys on your keyboard to navigate between bands.

Undo and Redo Buttons are provided should you make a mistake with your settings. The Bypass EQ Button allows you to disable the EQ on this particular channel.



## Output Controls

In this section you can control various options for each individual output:



At the bottom of the Setup Panel, there are three further controls for speaker calibration.

### Trim

The first control is Trim, which raises or lowers the level of this speaker by up to 12 decibels, in increments of 0.1 decibels. Click and drag this control to either add or remove Trim from this speaker, alternatively double click on the control to input a numeric value manually.

### Delay

The second control is Delay, which delays the signal from this speaker by the defined amount of time. This is useful in time aligning speaker signals to arrive at the listener from each speaker at the same time for optimal immersive imaging.

The Delay control has a range from 0 milliseconds to 75 milliseconds, in increments of 0.01 millisecond. Click and drag this control to add Delay to this speaker signal, alternatively double click the control to manually enter a numeric value. The Delay control also has a separate 'On' button to toggle the delay on and off.

### Bass Management/Crossover

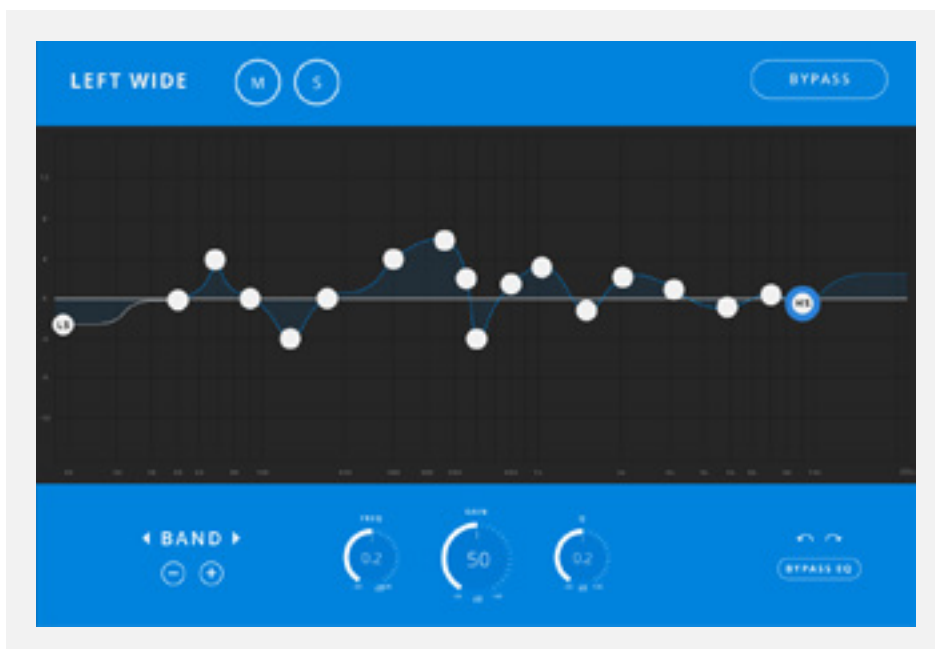
The third control is Crossover, and this is for configuring Bass Management. When engaged by clicking the 'On/Off' button, Bass Management is now enabled for this speaker. This means that audio frequencies that had been sent to this speaker channel below the defined frequency value seen in the control will be removed from this signal path, and instead redirected to the subwoofer channel.



This is important in audio systems where the individual speakers may not be able to faithfully recreate lower bass frequencies, and so redirecting these lower frequencies to the subwoofer may provide a more optimal experience. Click and drag this control to define the crossover frequency, below which audio will be sent to the subwoofer and above which the audio will be sent to the defined speaker channel. Alternatively, double click on the control to manually enter a frequency value.

## Expanded EQ Window

To allow for more accuracy when adjusting EQ settings, you can click the Expand button which will open the EQ settings in a larger pop up window.



The Expanded EQ window is entirely resizable to suit your screen setup. You can resize the window by hovering the mouse pointer over the edge of the window until the resize icons appear. You then can drag the window smaller or larger as required.

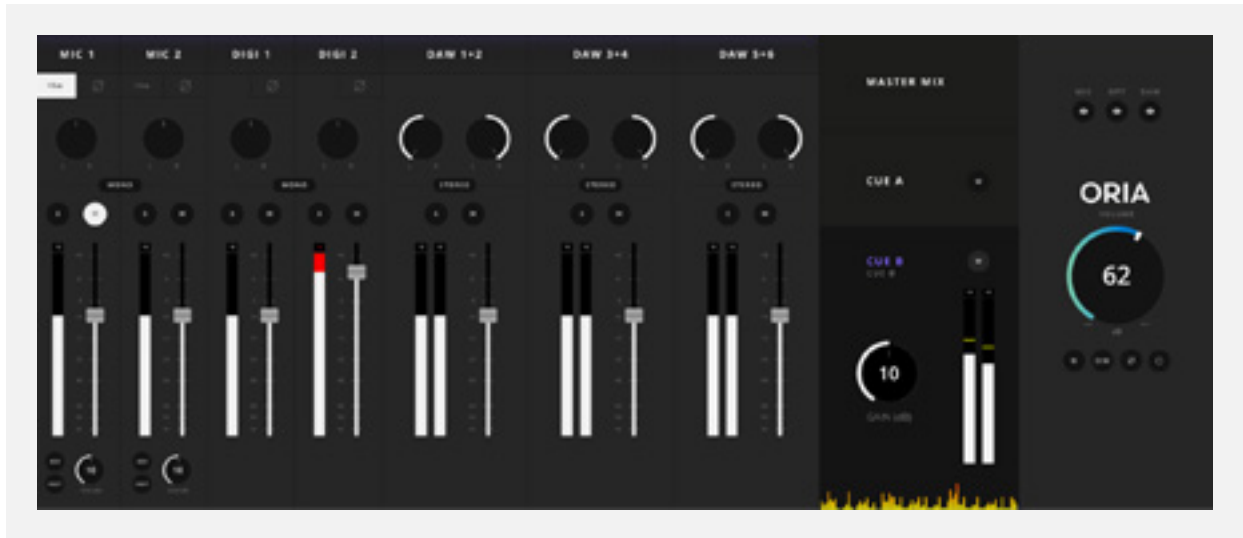
The Expanded EQ Window provides a more detailed graph that includes frequency values on the X-axis and dB boost/cut values on the Y-axis.

In the top left-hand corner of the Expanded EQ window, you'll find a drop-down menu that allows you to select which Speaker channel you are currently editing.



# Low Latency Software Mixer

The ORIA Control Application includes a software mixer, providing the ability to directly monitor your inputs with almost zero latency. This is ideal when using the Microphone and Digital inputs for tracking.



The Software Mixer allows you to make up to three stereo mixes. There is a Master Mix which is designed to feed the studio monitor for monitoring by the engineer while tracking. There are also two CUE mixes which are typically used to feed the headphone outputs to allow for artist foldback.

The Software Mixer can be accessed by clicking the 'Mixer' button in the menu bar of the ORIA Control Application. Alternatively, the mixer can be accessed by navigating to **Window > Show Mixer Window** in the macOS or Windows Menu Bar. For mouse-free control, you can also use the following keyboard shortcuts to open and close the software mixer:

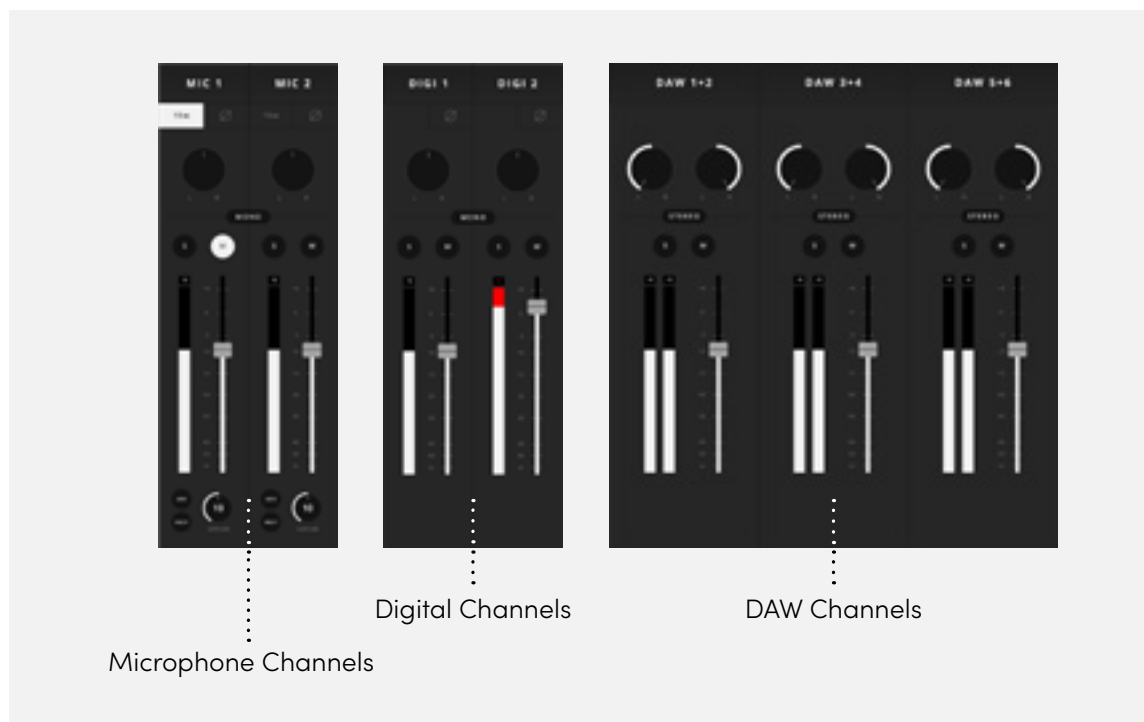
**macOS** - Command + Shift + X

**Windows** - CTRL + Shift + X



## Channel Types

The mixer is made up of three channel types:



### Microphone Channels

These are the channels where you will see the signal from ORIA's two analogue inputs.

### Digital Channels

These are the channels where you can see the signal from the 16 digital channels provided via the two ADAT inputs on ORIA. Please note that the number of digital channels will reduce to 8 when using 88.2kHz or 96kHz sample rates due to the ADAT ports operating in SMUX mode with a reduced channel count (4 channels per port).

### DAW Channels

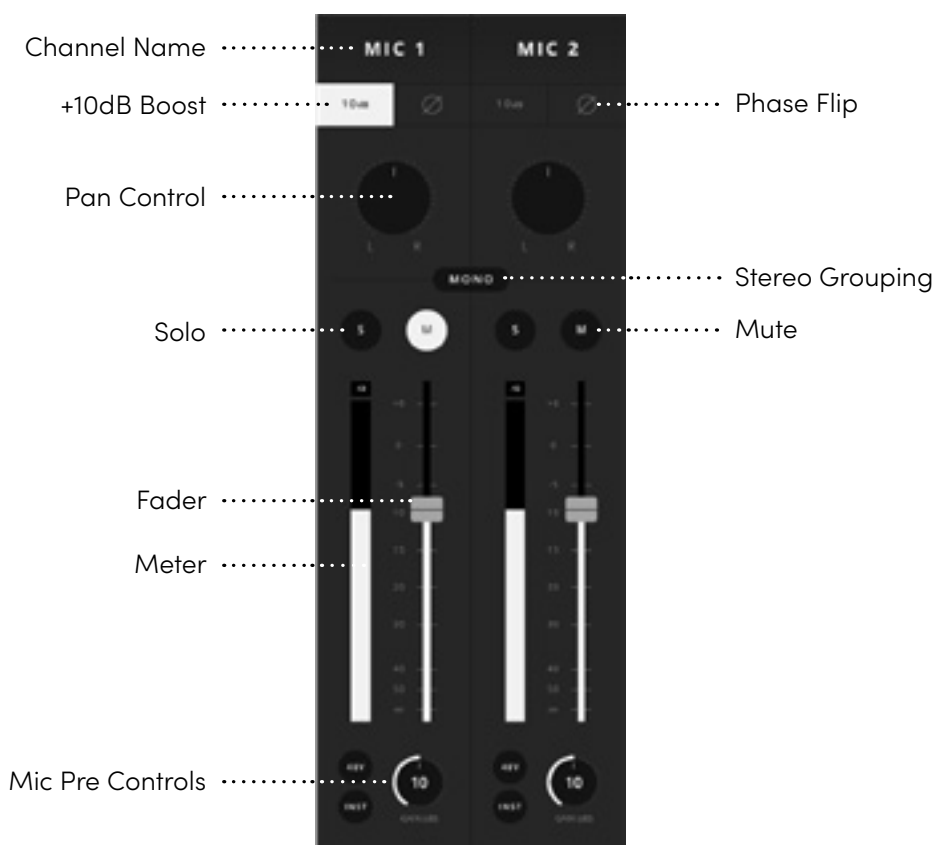
These are the signals being played back from your DAW. The ORIA has 8 DAW Return Channels meaning you can have multiple outputs from your DAW for more complex foldback mixes. The DAW channels are fed from output channels 1-6 in your DAW.

Using these three channel types, you can build up your main monitor mix and up to two cue mixes. It's important to note that the faders in the ORIA Software Mixer only control the monitoring of ORIA. Changes made to the position of the faders in the ORIA Software Mixer will not affect the level present in your DAW or audio software.



## Channel Features

Each channel has a number of controls to help you create your monitoring and CUE mixes. Please note that some features are not available on all channel types.



### Channel Name

By double-clicking on the name of the channel you can rename it to help you organise your ORIA software mixer. You could name a channel 'Kick' or 'Snare' for example.

### Phase Flip

Inverts the polarity of the signal by 180° to stop phase cancellation. This is useful if you are micing the rear of a guitar amplifier or the underside of a snare drum. This feature is only present on the Microphone and Digital channels.

### +10dB Boost

Selecting this will boost the incoming signal by +10dB for recording quiet sources. This will also affect the audio being fed into your DAW. This feature is only present on the Microphone channels



### **Pan Control**

Allows you to send the audio to the left, to the right or anywhere between on your Main Monitor Mix or Cue Mixes.

### **Stereo Grouping**

Allows you to group two adjacent channels together into a stereo channel with a single fader controlling the level of both channels. When a channel is stereo-grouped, the pans will automatically be set to far left and far right.

### **Solo**

The Solo button mutes all other channels other than the one that is currently solo'd. Multiple channels can be solo'd at one time.

### **Mute**

The Mute button stops this channel from outputting audio whilst it is engaged.

### **Fader**

The fader controls the amount of signal that is sent to the currently selected mix. This can be set to anywhere between -inf dB to +6dB.

### **Meter**

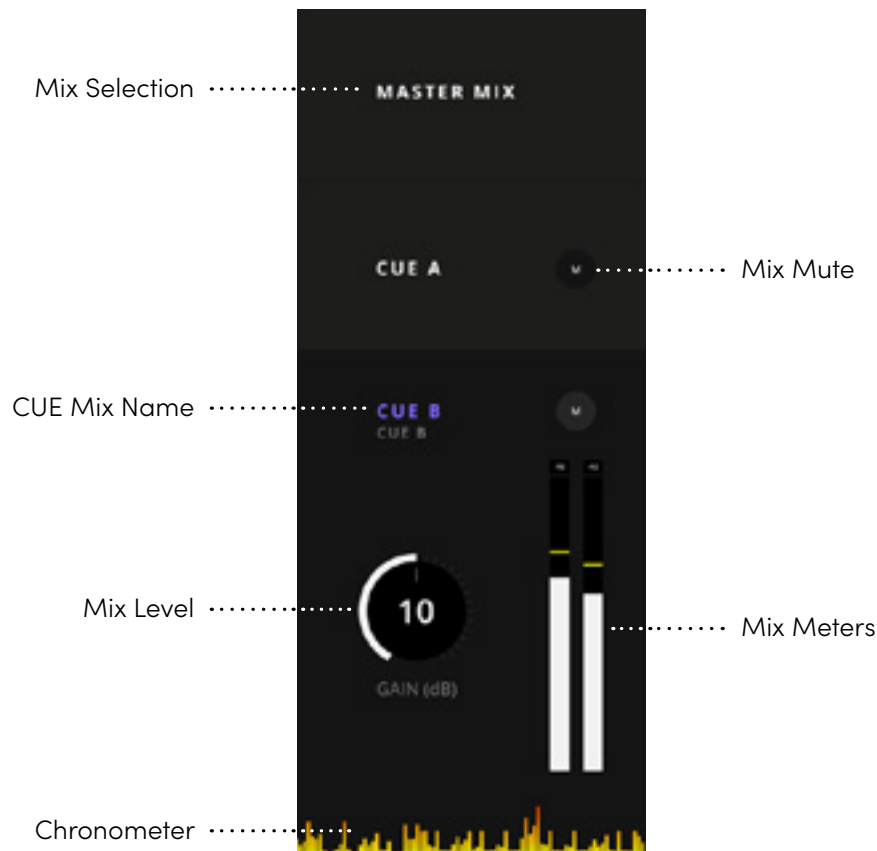
The meter shows the current signal level in dBFS. Should the signal level exceed 0dBFS then the peak indicators will illuminate red to indicate a peak. The peak indicators can be turned off by clicking in them. You can also turn off all peak indicators using Alt + Click.

### **Mic Preamp Controls**

These controls give you the ability to adjust the mic preamp's gain, as well as toggling the +48V phantom power and instrument mode for that channel. This feature is only available on the Microphone channels.



## Mix Settings



### Mix Selection

Clicking on one of the mixes allows you to make changes to that mix. When a mix is selected, it expands to reveal additional controls for that mix.

### Cue Mix Name

Double-clicking on a Cue Mixes name allows you to rename the Cue Mix. If for example, you were creating mixes for two separate band members, you could name them 'Guitarist', 'Bassist'... etc.

### Mix Mute

The Mute button for each CUE Mix will stop any audio passing out of that CUE mix.

### Mix Level

The Mix level allows you to control the overall level of the Cue mix that is sent to the outputs.



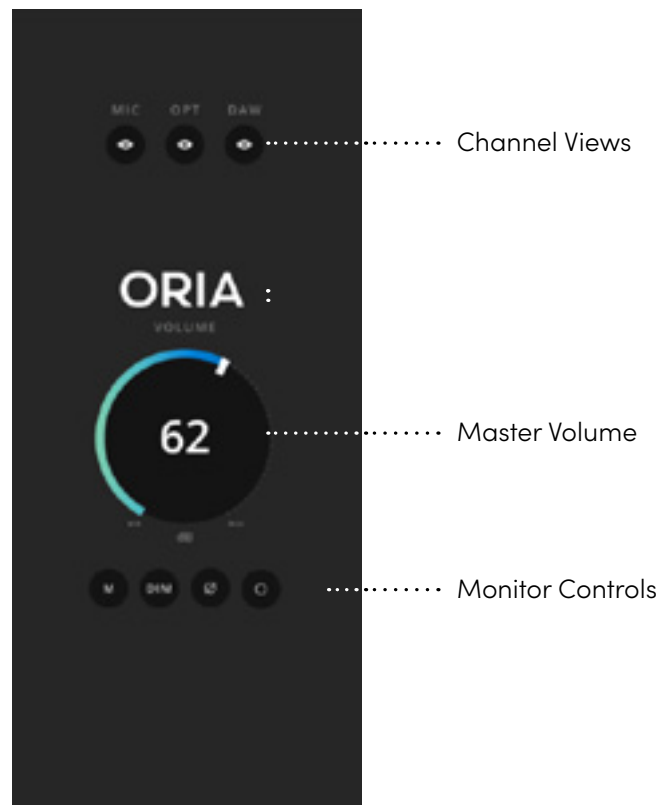
## Mix Meters

The Mix meters show the master signal level of the selected mix.

## Chronometer

The Chronometer allows you to see not only the current signal level of the mix but also the signal level from a few seconds previously. This can be great to track down a sudden loud transient on a particular cue mix or to monitor the change in level over time as you make changes to a mix.

## Master Section



### Channel Views

These three buttons allow you to control which of the three channel types are shown in the mixer. If for example, you weren't using the digital inputs for a particular project, you can simply hide the optical channels by clicking on the OPT control.

### Master Volume

The master volume control of the Mixer app allows you to control the ORIA's overall level without having to move back to the main Control window or use the volume control on the ORIA unit itself.



## Monitor Controls

These six buttons control various aspects of the ORIA's monitor controller capability without you needing to return to the Main Control Window. The function of each control can be found below:

- Mute – applies a global mute to the outputs of ORIA.
- DIM – reduces the output level of ORIA by a user definable amount set in the system panel of the ORIA Control Application.
- Phase – Will flip the phase of the left channel of the stereo output and sum the signals to mono. This causes phase cancellation of any centrally panned audio to allow for the monitoring of audio panned to the left or right, sometimes called the “Sides”. This function will only affect the Left and right channels, even if used when playing back audio in Surround or Immersive Formats.
- Mono – Sums the Left and Right output channels of ORIA to Mono. This is useful for checking mono compatibility of a stereo mix.

## Examples of how the Mixer can be used

Whilst ORIA's main functionality is to provide powerful monitoring control for Immersive and multi-channel audio formats, its two mic pre-amps and ADAT inputs mean it can also be used for small tracking sessions. This is exceptionally useful if a section needs to be quickly recorded or added during the mix stage.

The Low Latency Software Mixer makes it possible to monitor signals from the Mic inputs or ADAT inputs with almost zero latency so that the engineer can monitor the audio or an artist can hear themselves in headphones whilst playing.

In this example, we can imagine a vocalist recording a vocal line via a microphone connected to Microphone input 1.

Firstly, we would want to setup the monitoring for the Engineer. For this, we would use the Master Mix by clicking on this mix on the right-hand side of the mixer. In the ORIA Control Application, you would want to set your Input Source as “Master Mix”.



The Engineer will need to hear the audio from the vocalist so to send this to the Master Mix we would pull up the fader for the Mic 1 channel. The engineer would also need to hear the rest of the mix from the DAW so would pull up the DAW 1+2 channel. The balance between these two sources can then be adjusted using the channel faders.

The vocalist will also need to hear the microphone audio and the backing track which we'll do using the CUE A mix. This can be assigned to a headphone output In the System Panel of the ORIA app.

In the software mixer, select the CUE A mix by clicking on it on the right-hand side of the mixer. You may wish to re-name the mix to the vocalist's name at this point by double-clicking the CUE A title in the Mix settings.

With CUE selected we can then pull up the faders for the Mic 1 and DAW 1+2 channels. The vocalist may like to hear a click track which is being outputted from the DAW on a separate channel such as DAW 3+4. We can therefore pull up the DAW 3+4 fader to send the click the the CUE mix, again using the faders to adjust the balance between the various channels to the artist's liking.

A set of headphones can then be plugged into the selected headphone output and given to the artist.

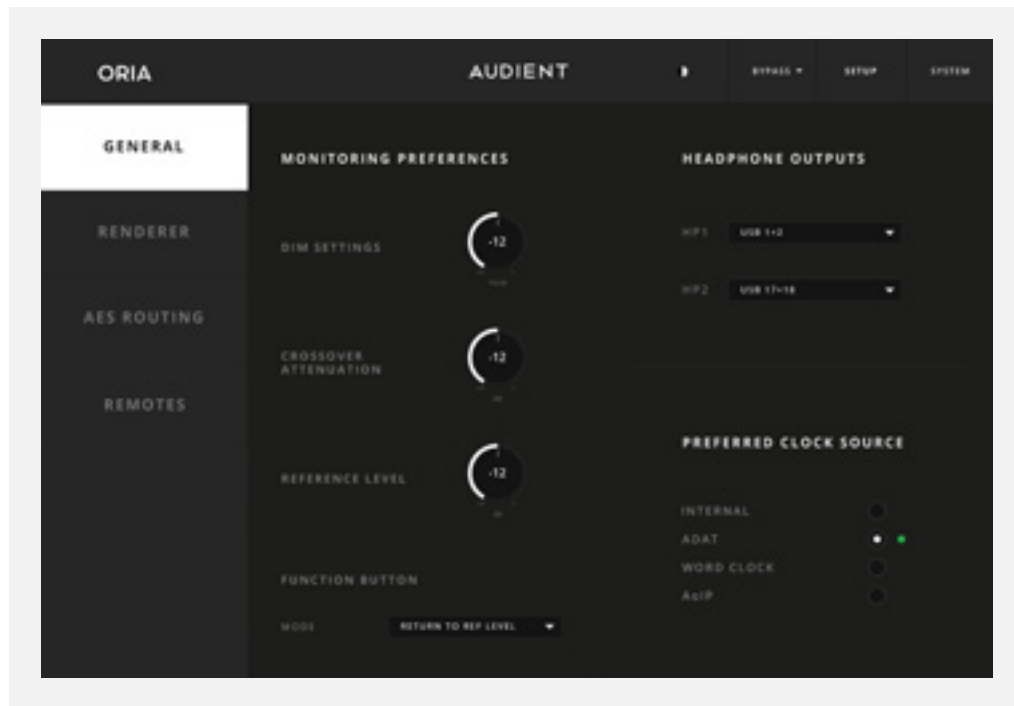
If a second artist was also included in the session we can simply follow the sample process as above to create another mix via CUE B.



# System Panel

The System Panel at the top of the ORIA Control Application lets us look under the hood at the more advanced settings for connectivity and control. The System Panel is split into 3 different Pages which are selectable using the tabs on the left-hand side

## General



## DIM Trim

Here you adjust how much the level is reduced by when the DIM function is enabled.

## Crossover Attenuation

This control allows you to apply a global attenuation to any signals being sent to the Sub channel via the crossovers. This is required as some Immersive and Surround formats will stipulate the amount of attenuation applied to the Sub crossover to ensure a correct balance between the LFE channel audio and the audio routed to the Sub channel via the crossover.

An attenuation between 0dB and -10dB can be applied.



## Reference Volume

This control will set the reference volume that ORIA's main output level will be set to when the "Return to Reference Level" function is used.

## Function Button

Select what the 'F' Button on the front panel of ORIA does from the following options:

- DIM (default)
- Return to Reference Level
- Mono
- Polarity Reverse

**NOTE:** Monitoring functions assigned to the hardware Function Button are not stored as part of a profile. They are system wide.

## Preferred Clock Source

This setting lets you choose what source is used as the Clock Source. By default, this will be set to Internal but you can choose from Internal, ADAT, Word Clock or AoIP.

When you select an external clock source, a clock indicator will appear to the right of the clock source. The colour of this provides the clock status.

- **Red:** No Valid Clock Detected
- **Amber:** Clock Detected at Wrong Sample Rate
- **Green:** Clock Detected at Correct Sample Rate

If the indicator is red, please double-check your physical connections to the unit and ensure you have selected the correct source.

If the indicator is amber, you will need to adjust either ORIA's sample rate or the sample rate of your external device so that the two devices are operating on the same sample rate.

If the clock indicator is green, then that means everything is set up correctly.



## Headphone Setup

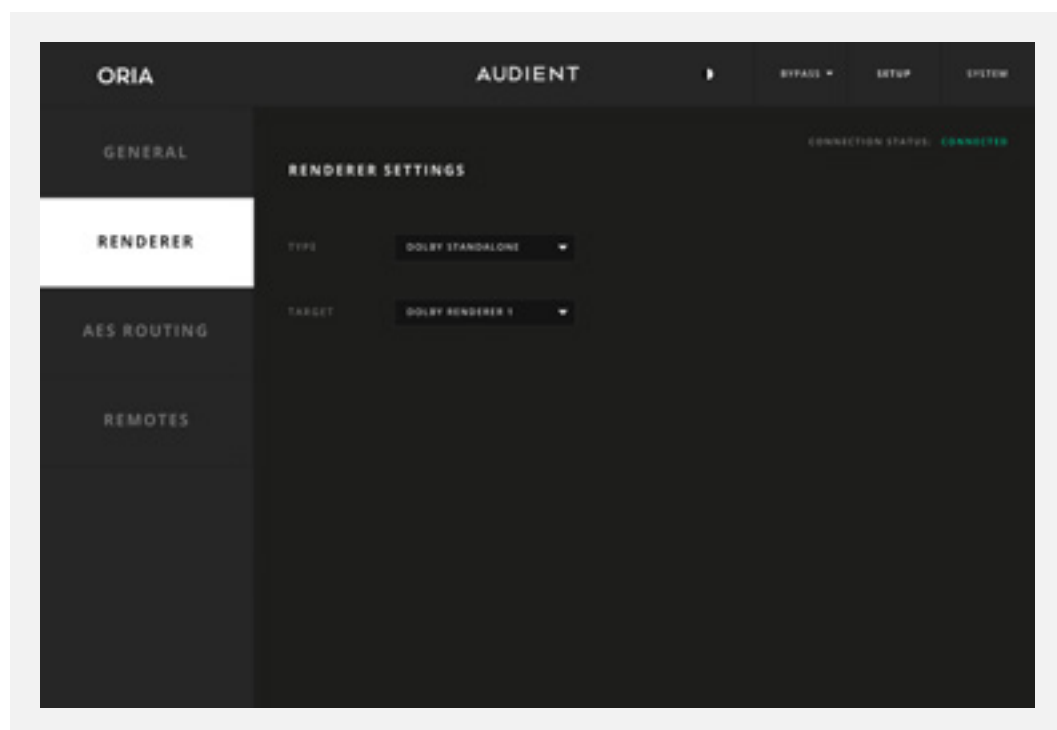
You can select which output channel of ORIA feeds Headphone Outputs 1+2 from the following options:

- USB L + R
- USB 17 + 18
- USB 19 + 20
- Software Mixer – Master Mix
- Software Mixer – CUE A
- Software Mixer – CUE B

Most Renderers will allow you to send a separate Binaural Mix to a headphone output. In this case you would need to select either Output 17+18 or Output 19+20 as your Binaural output channels in your renderer and then select the chosen channel as your headphone source.

## Renderer

The Renderer Page is for connecting ORIA directly to the Dolby Atmos Renderer, both to use the Down Mix Button on the ORIA hardware to cycle through different down mixing format options, but also so that the Dolby Atmos Renderer can feed back information to ORIA about which Down Mix format is in use.



## Type

Make sure the Dolby Renderer is open on your system then Select the Dolby Atmos Renderer.



## Target

Choose from the list of renderers available on your system under the type selected.

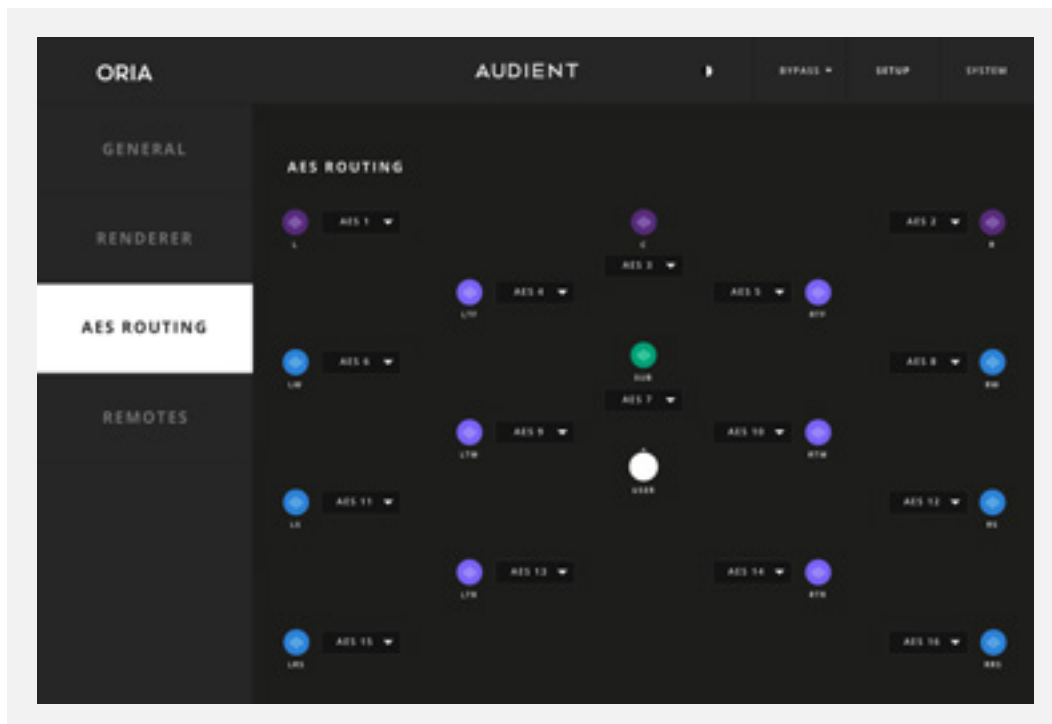
If the Dolby Atmos Renderer is open and running on the same computer, the computer's name will appear in the Target drop down list. Select the local target and the Connection Status at the top right of the panel should change from 'Unavailable' to 'Connected'.

## Manual Address

If you have selected 'Manual Address' from the 'Target' list here you can enter the IP address of a specific renderer if you wish to control a renderer on a network, rather than the local machine.

## AES Routing

If using the AES outputs to feed your monitors, you may wish to re-assign the speaker channels to make cable installation easier.



The AES Routing Page is where we can change the order of the AES Outputs, to make cable routing in the studio easier. AES digital audio is provided in two-channel digital streams over a single cable, and in a stereo setup it is expected by default to connect one speaker to another in a chain. In an immersive setup, if we were to do this with left and right pairs across 16 channels this could result in complex and untidy cable routing.



To alleviate this issue, we have implemented a solution in the ORIA hardware where you can connect any speaker output to any AES channel, enabling much neater cable routing than would otherwise be possible, where one AES stream can provide audio to two adjacent speakers rather than using the default routing configuration.

For an example, it may be desirable to connect the Front Left and Left Wide speakers together in a chain. To do this, we could designate AES 1 to be the Front Left speaker and AES 2 to be the Left Wide Speaker, as each digital AES stream is provided as an odd and even pair on a single cable.

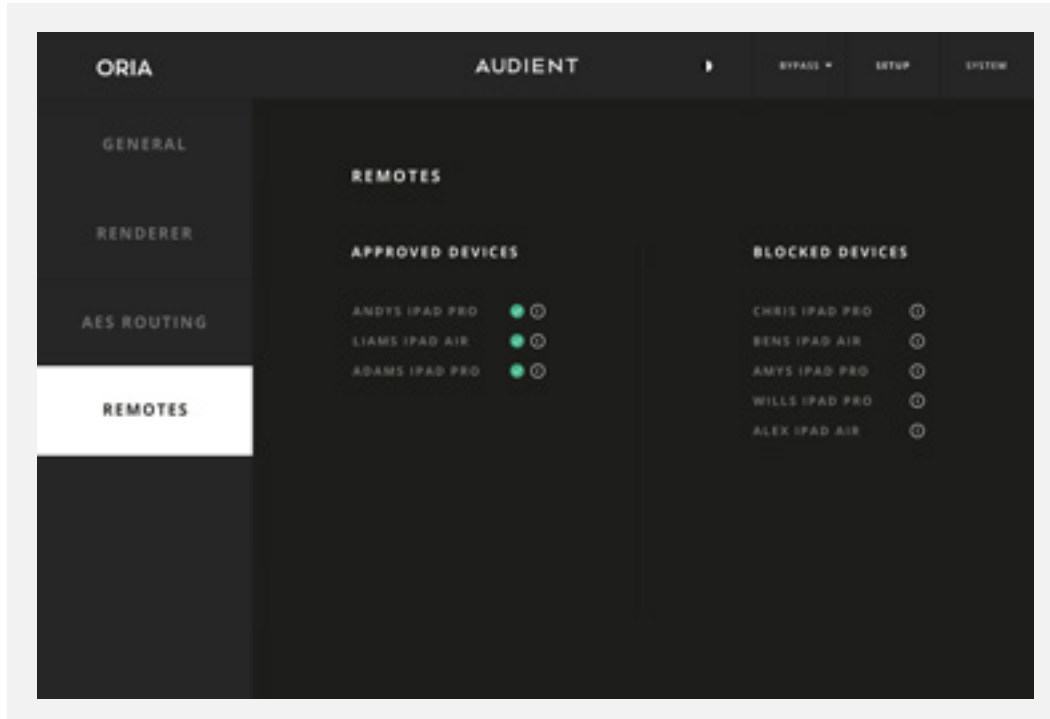
The Front Left speaker is already set to AES 1 in this instance, but we would need to change the routing of the Left Wide speaker, which is set to use AES 9 by default. Click the dropdown menu next to the Left Wide speaker, and here we can choose to change the routing to AES 2. As a result of this routing, we can also see that the Front Right channel, which was previously assigned to AES 2, has now deselected its output because only a single speaker can use an AES assignment at one time. ORIA handles routing the calibration and volume features internally. Make sure to test channel routing assignments after changing these settings.

Use the drop-down menus to select which channel is assigned to a particular speaker output. Please note that each output can only be assigned to one speaker channel. If a speaker channel is not being used then 'NONE' should be selected.



## Remote

The remote page allows you to control what devices have remote control over ORIA.



When a device, such as an iPad running the ORIA iPad app, tries to connect to ORIA, you are given the option to either Accept, Deny, or Block the device.

If you accept the request, the device will be added to the Approved Devices list found in the Remote page of the System Panel. Any device that is approved will automatically connect to ORIA when used on the same network. A green tick icon is shown next to the device when a device is connected to ORIA

If the request is denied, the device will not be connected to ORIA. However, the device will still be able to make connection requests again in the future.

Otherwise, if the request is blocked, the device will not be connected to ORIA and will also be blocked from making further connection requests. This is useful if you are in a facility that has multiple ORIA units or an educational facility where you wish to restrict remote access except for approved devices.

When a device is blocked, it is added to the Blocked Device list so you can easily see which devices you have blocked.

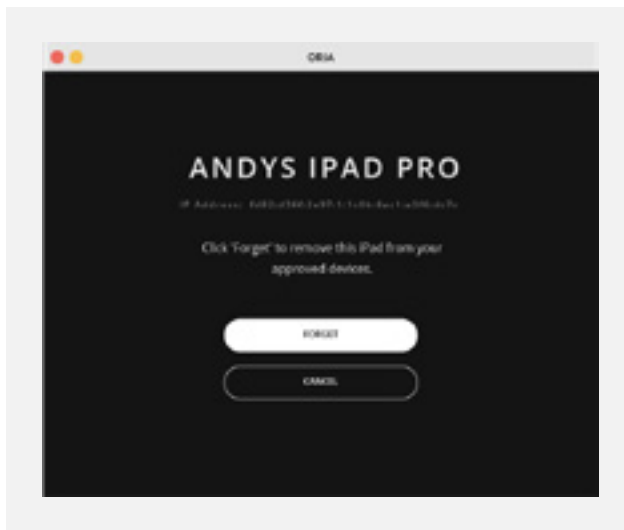


## Forgetting Approved Devices

If you wish to remove a device from the Approved Devices list, click the 'i' icon next to the device. A pop-up notification will ask you to confirm that you'd like to 'forget' this device.

## Unblocking Blocked Devices

Similarly, if you wish to remove a device from the Blocked Devices list, click the 'i' icon next to the device. A pop-up notification will ask you to confirm that you'd like to unblock this device.



Once unblocked, this device is again able to make connection requests.



# Output Calibration

As you add more speakers into your studio space, their placement and positioning become increasingly important. You will also have to think about the way your whole room is acoustically treated now that there are speakers behind and above your listening position.

The ORIA's DSP and Sonarworks(™) room calibration tools enable you to get the best from your speakers but we recommend refining your speaker positions and improving the sonic absorption and/or diffusion solutions in your room to get the best surround sweet-spot possible and before attempting a calibration.

If you are unsure about speaker placement or acoustic treatment then we strongly recommend acquiring advice from a qualified acoustician to ensure you are getting the most from your setup.

## Automatic Calibration – Sonarworks

When you purchase an ORIA you can take advantage of a 60 day free trial version\* of the industry-leading measurement and calibration software SoundID Reference for Multichannel by Sonarworks(™). This comprehensive tool measures and calibrates a multichannel setup in less than an hour so you can get up and running (almost) immediately.

\*Once your trial period has expired you will need to purchase a perpetual licence directly from Sonarworks(™) and re-import your measurements into the ORIA Control Application, or calibrate your speaker outputs manually via the Setup Mode. Profiles made during the free trial period will no longer function once the trial period has ended.

Inside the ORIA box, you'll find a Sonarworks Reference Microphone and a small card with details on how to create an account with Sonarworks and download SoundID Reference for Multichannel.

[Click here](#) to watch the Sonarworks calibration video.

Once you've installed SoundID Reference for Multichannel, you can simply follow the on screen instructions that will walk you through the measurement process. A full 9.1.6 measurement process will take around 40 mins to an hour to complete.



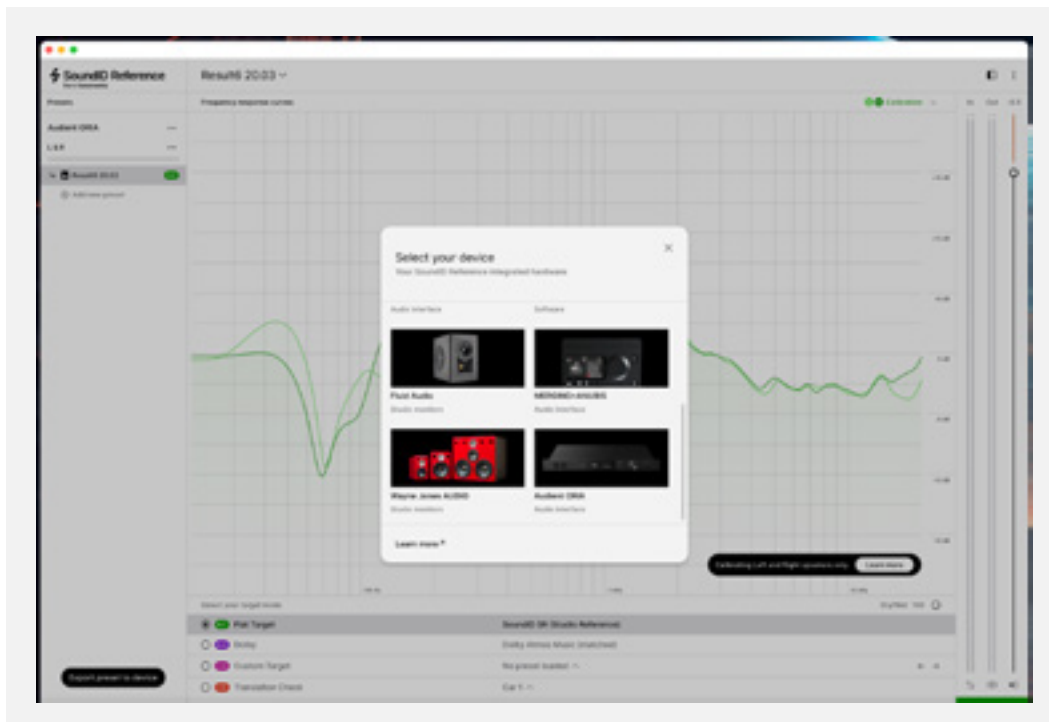
# Importing a Sonarworks (™) SoundID Reference for Multichannel Profile

## macOS

Once you have completed the measurement process using SoundID Measure, import your measurement results into SoundID Reference for Multichannel software. Here you can create a SoundID Reference Profile with your desired Target Mode. For more information on this process please consult Sonarworks product documentation.

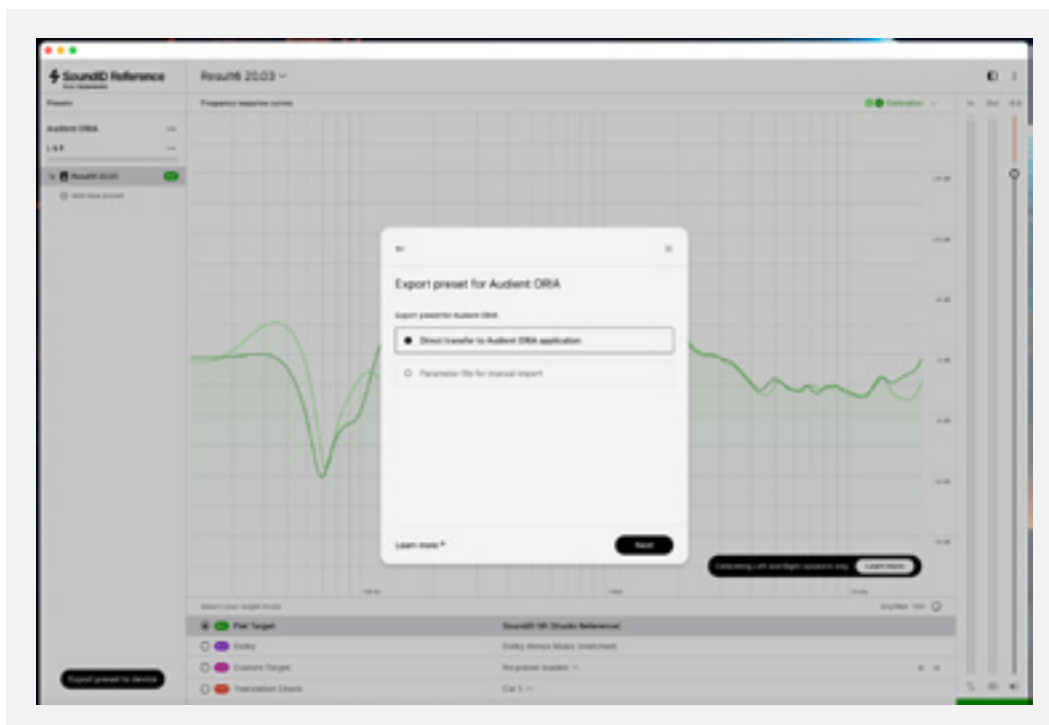
Once complete, you'll be given the option to 'Export Preset to Device'.

Select ORIA from the list of devices.

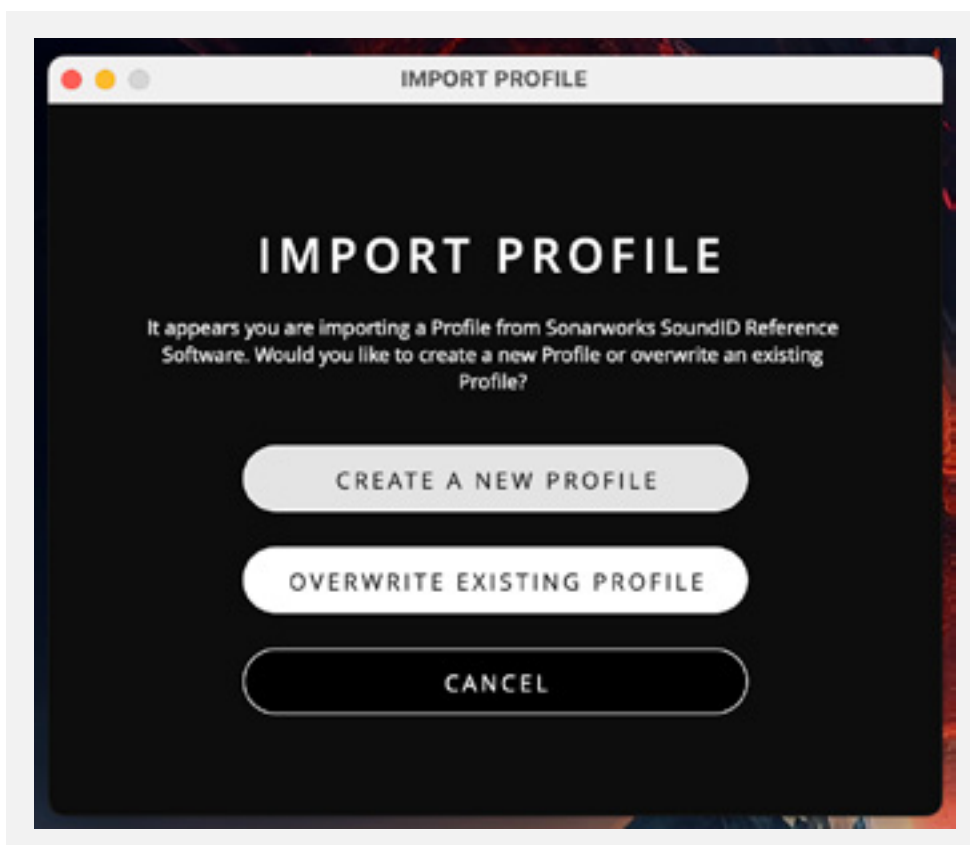




Now, select 'Direct transfer to Audient ORIA Control Application' and click 'Next'.

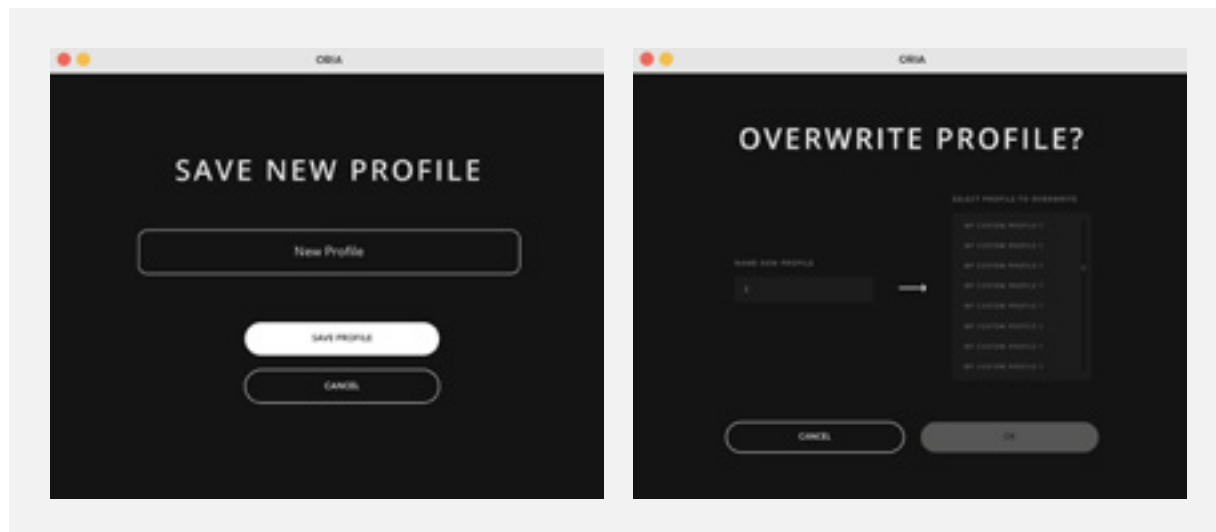


This will automatically open the ORIA Control Application and present you with a dialogue box asking you to choose whether you overwrite an existing Profile in the ORIA Control Application or create a new one:

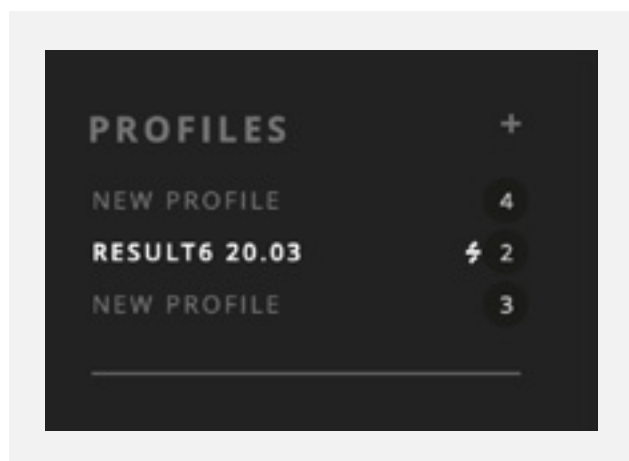




If you create a new Profile, you'll be prompted to give it a name. If you choose to overwrite an existing Profile, you'll be given an option of which Profiles are available to overwrite.



The new Profile will now appear in the Profile Panel. Please note Profiles created with SoundID Reference will be denoted by a Sonarworks 'S' appearing next to the Profile name.





## Windows

Due to software limitations, at this moment in time, Sonarworks Sound ID Reference Profiles cannot be loaded into the ORIA Control Application on Windows. This functionality will be added via a driver/firmware update imminently.

## Adjusting a Sonarworks Profile

Please note that if you are using a Profile based on Sonarworks(™) measurements, the EQ in the Setup Mode section will automatically be locked to prevent alterations.

The Trim, Delay and Crossover controls are also locked by default, but it is possible to make adjustments to these. Click the 'Locked' button to unlock these settings, you can now make adjustments.



Please note that if you are using a Profile based on Sonarworks(™) measurements then the EQ in the Setup Mode section will automatically be locked to prevent alterations.

The Trim, Delay and Crossover controls are also locked by default but it is possible to make adjustments to these. Click the 'Locked' button to unlock these settings, you can now make adjustments.





# Manual Calibration

If you prefer not to use Sonarworks, then third-party measurement software can be used instead. The included Sonarworks Reference Microphone can be used for this, or you can use your reference mic if preferred.

If using a third party software, it is not possible to directly import your settings into ORIA, the speaker calibration settings must be entered manually.

The third party software should give you an EQ curve you can apply to each channel, as well as Trim and Delay settings. These settings can then be entered manually for each channel as explained in the Setup Menu section earlier in this manual.

When manually calibrating, you can adjust the following for each speaker channel:

- EQ (8 bands,  $\pm 12$ db, 20Hz - 20kHz + Hi-shelf and Lo-shelf)
- Output Trim ( $\pm 6$ db)
- Delay Time (0-75ms)
- Crossover Point (30Hz - 500Hz)

This allows you to balance your speaker configuration and get the best surround sweet-spot possible.



# Controllers



# Controllers

The ORIA Control Application can be remotely controlled via a number of external devices to help ORIA fully integrate into your setup and provide maximum flexibility for your monitoring. ORIA can currently be controlled using the ORIA Remote iPad app, the ORIA Control Stream Deck Plug-in and via Avid's EUCON Protocol.

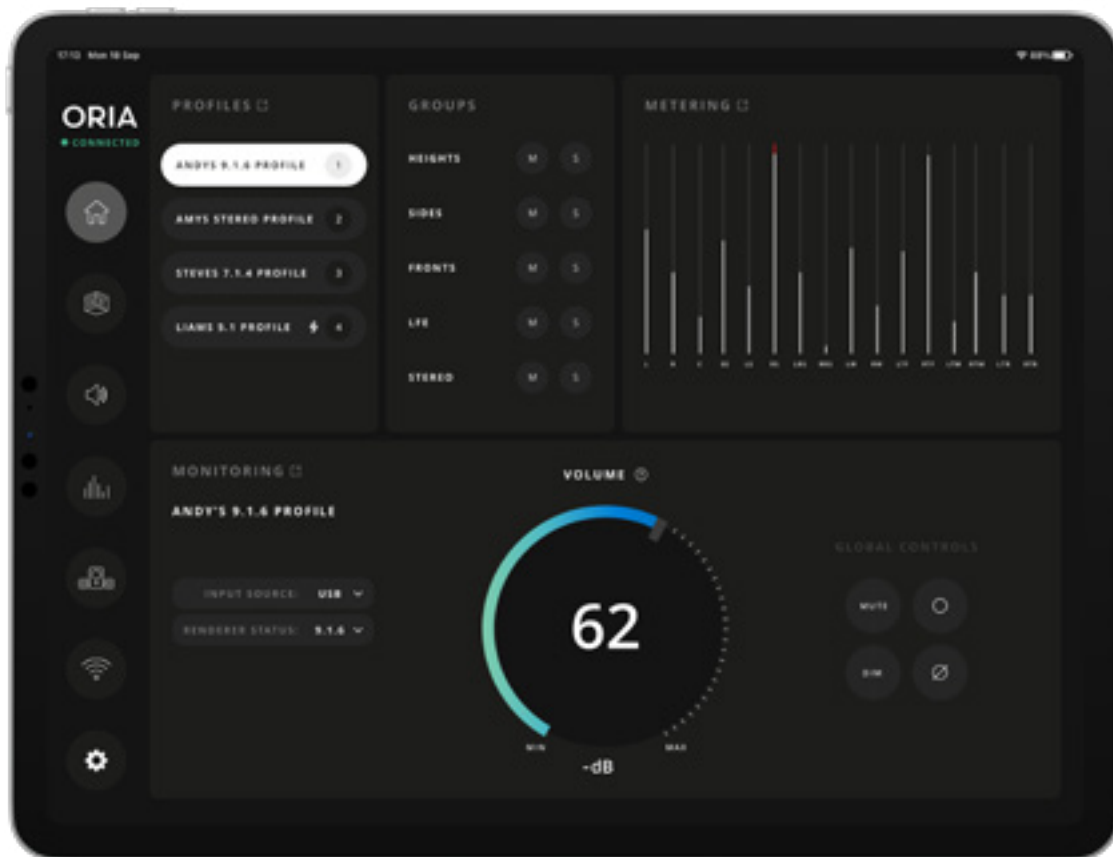
More information and setup guides for these controllers can be found below.





# ORIA iPad App

Never miss a beat with ORIA's iPad App. The power of touch grants you remote access to all of ORIA's control features from one centralised control hub. Adjust levels, audition speakers, switch profiles and monitor your metering - all directly from your desktop. **Precise control without the complexity.**



Available to download for free on the Apple [App Store](#)



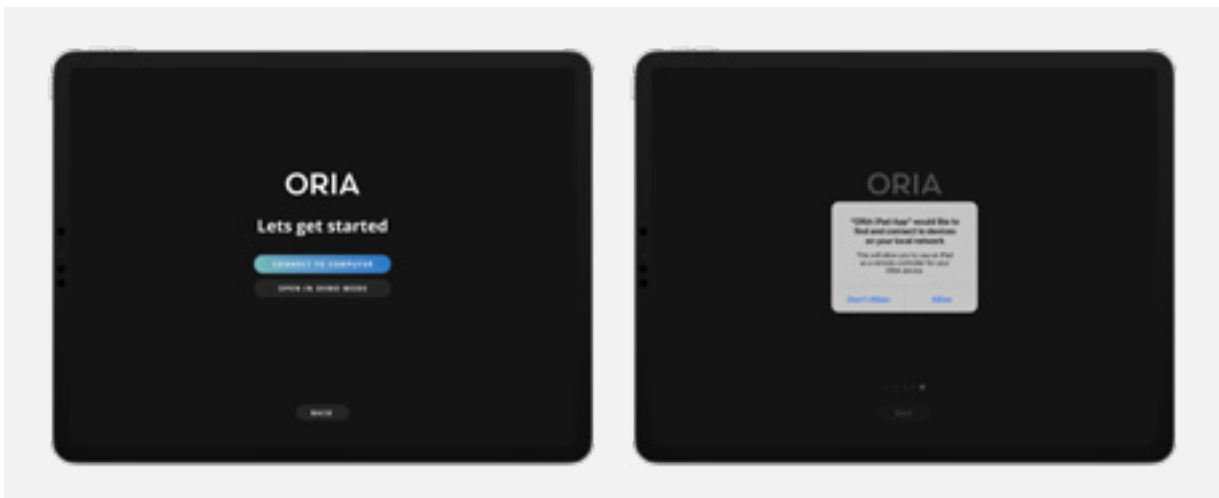
Download on the  
App Store



## Initial Setup

With ORIA connected to your computer via USB and the ORIA Desktop Software App running, you are ready to connect to the ORIA iPad Remote App for complete touch control of ORIA. Firstly open the Apple App Store, search for the ORIA iPad Remote and install it onto your device.

Upon first opening the iPad app, you will be presented with a short tutorial, followed by a notification requesting to allow the application to connect to devices on your local network.



Click 'OK', and on the next screen, you should see your main host PC or Mac in the 'Available Devices' menu, so long as it is connected to the same network as the iPad.

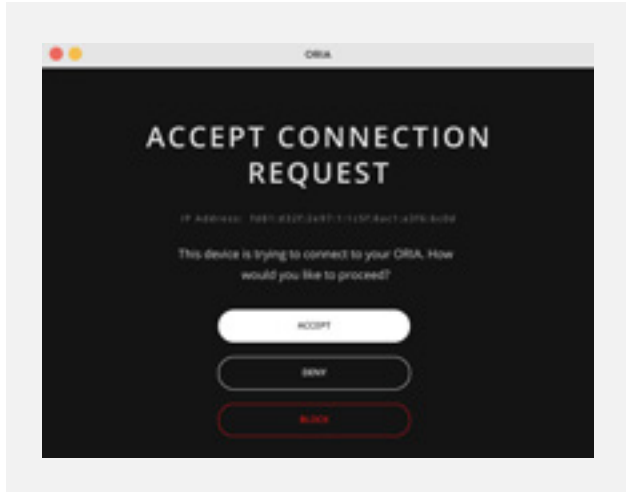


Please note that the ORIA iPad Remote will still connect to your ORIA host computer even if it is connected via Ethernet instead of Wi-fi. This is, however, provided all devices are still connected via the same network.

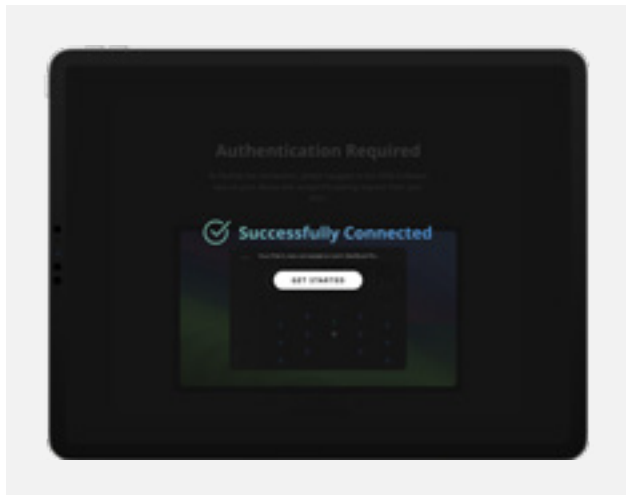


Select your host computer from the list to complete the connection setup. You will now be asked to open the ORIA Control Application on your Mac or PC and accept the connection to the iPad.

On the ORIA Control Application, you will now see a pop-up notification asking whether you wish to Accept, Deny or Block Connection.



Click 'Accept' and the iPad will be added to the list of Approved Remotes. The ORIA iPad App will now show that you are successfully connected. You can now use The ORIA iPad App to control your ORIA.



If you receive a connection request from a device you do not wish to allow control over ORIA, you can either Deny or Block the request. More information about Remote Device Management can be found in the System Panel Remote Page, later in this manual.

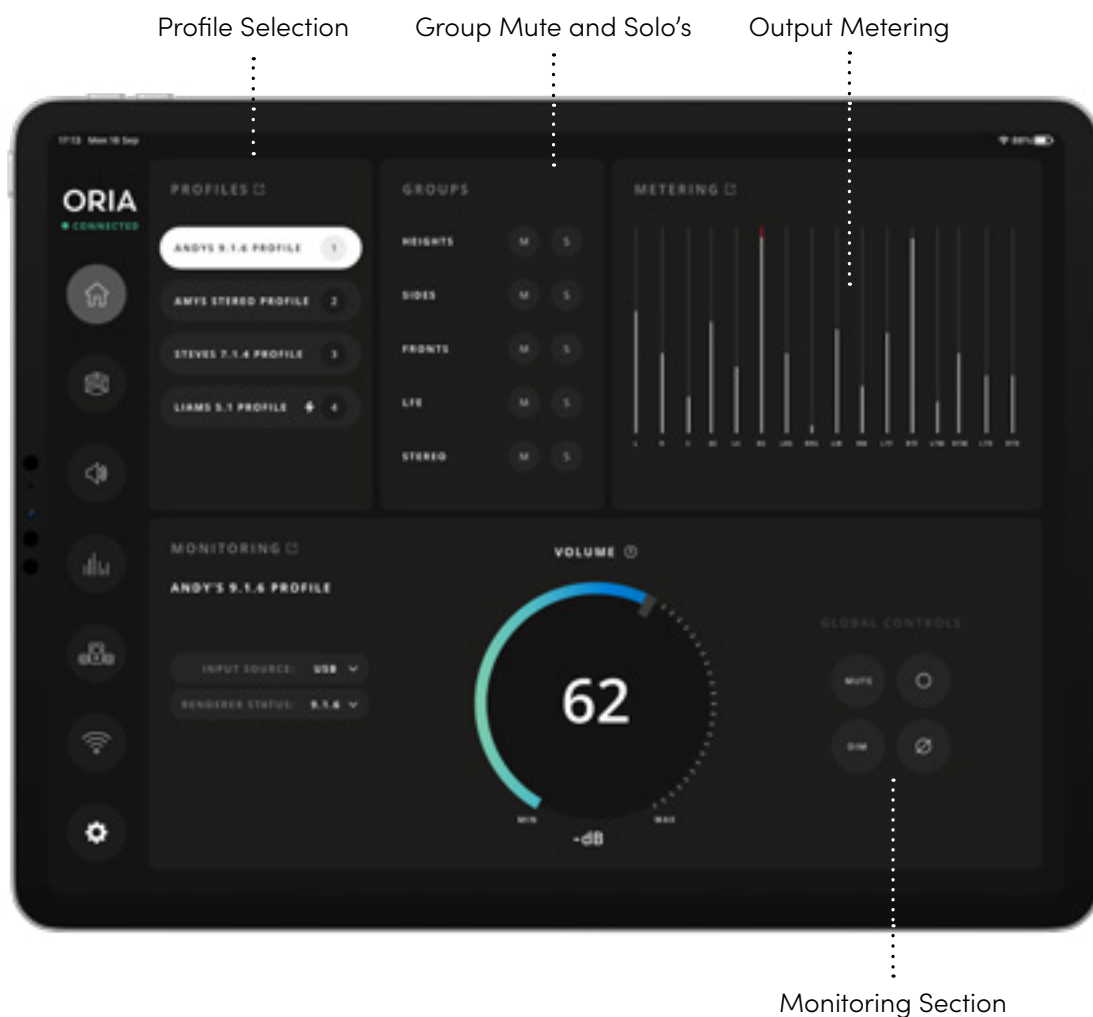


# ORIA iPad Application Overview

Once connected, the ORIA iPad Remote has a number of pages which you can switch between to control various aspects of ORIA's hardware. You can switch between these pages using the icons on the left-hand Sidebar Menu. Below you can see a brief overview of each of these pages:

## Home –

The Home Page is the main page of the ORIA iPad Remote and gives you an overview of all the main controls of ORIA. A quick overview of these functions can be found on the following page.





## Profile Selection

Here you can select from the various profiles that you have created in the ORIA Control Application, including four favourite Profile slots. Simply tap a Profile to make it your currently 'Active Profile'.

## Group Mute and Solo

These controls let you either mute or solo a particular speaker group. You can choose from the Heights, Sides, Fronts, Subs and Stereo speakers.

## Output Metering

The meters show the current signal level on the outputs of ORIA. These meters will also show the signal level PRE the Speaker Calibration processing. You can also expand the meters by pressing the expand icon next to the title to view the meters with more resolution.

## Monitoring

The Monitoring section has three main controls; Input source and Render Status, the Main Volume Control and the Global Monitoring Controls.

### Input source and Render Status

Here you can adjust the input from which the ORIA takes its audio from; either the physical USB, ADAT or AoIP inputs, or one of the mixes from the Low Latency Software Mixer included in the ORIA Control Application.

Below this, you can also view the renderer status to allow you to check the current downmix format if ORIA is connected the Standalone Dolby Renderer.

### Main Volume Control

This controls the overall output level of ORIA to the speakers.

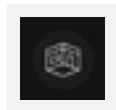
To stop the volume from being accidentally adjusted, this control is locked by default. It can be unlocked by tapping the control which allows you to adjust the level. Once you tap anywhere else on the screen, the volume control will be automatically locked again. This Auto Locking behaviour can be toggled on and off in the settings menu.

### Global Controls

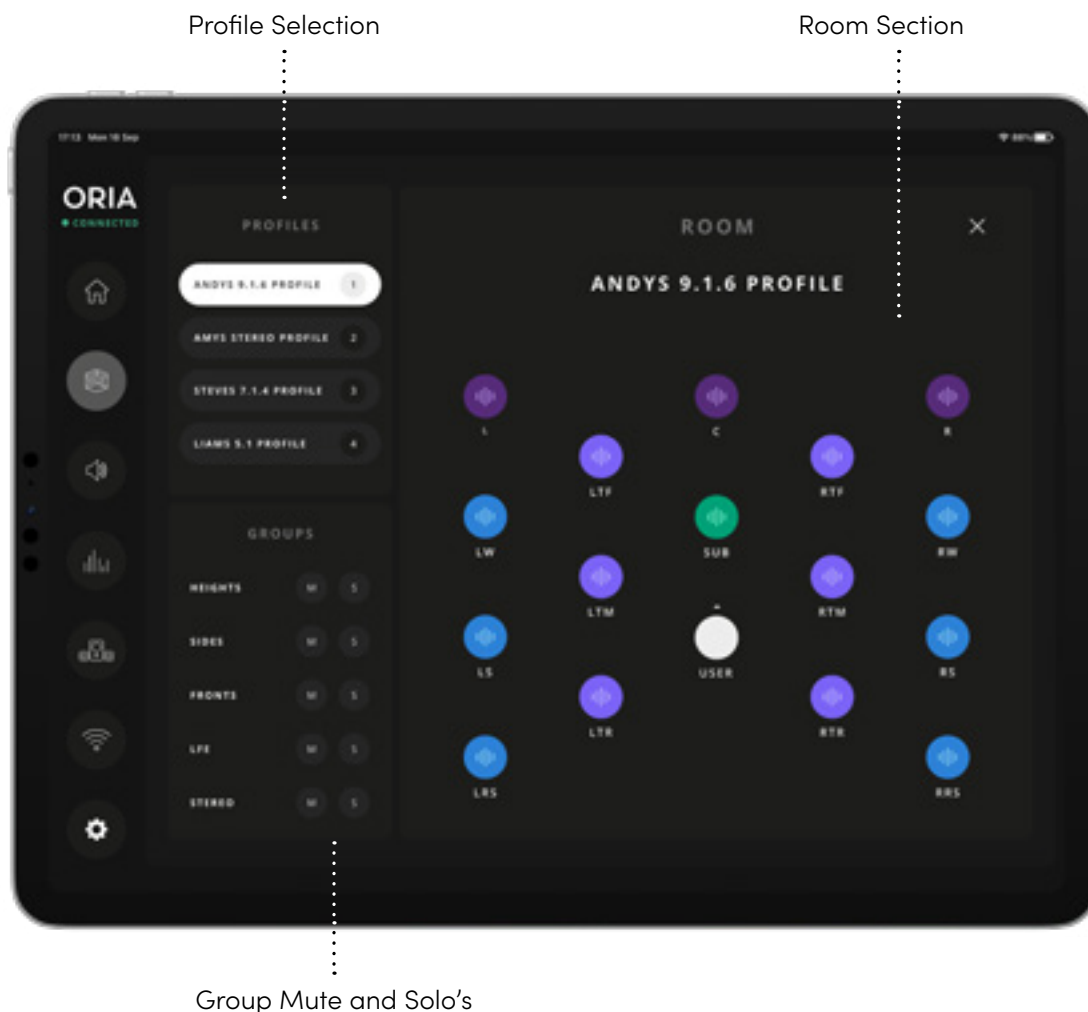
Here you can use the global monitor controls available on ORIA. These controls are Mute, Mono, DIM and Phase. More information about these controls can be found in the ORIA Control Application monitoring section of this manual.



# Room -



The Room Page gives you per-speaker control of your setup with a visual representation of your speaker setup. A quick overview of these functions can be found on the following page of this manual.



## Profile Selection

This section is a repeat of the Profile Selection section found in the Home Page.

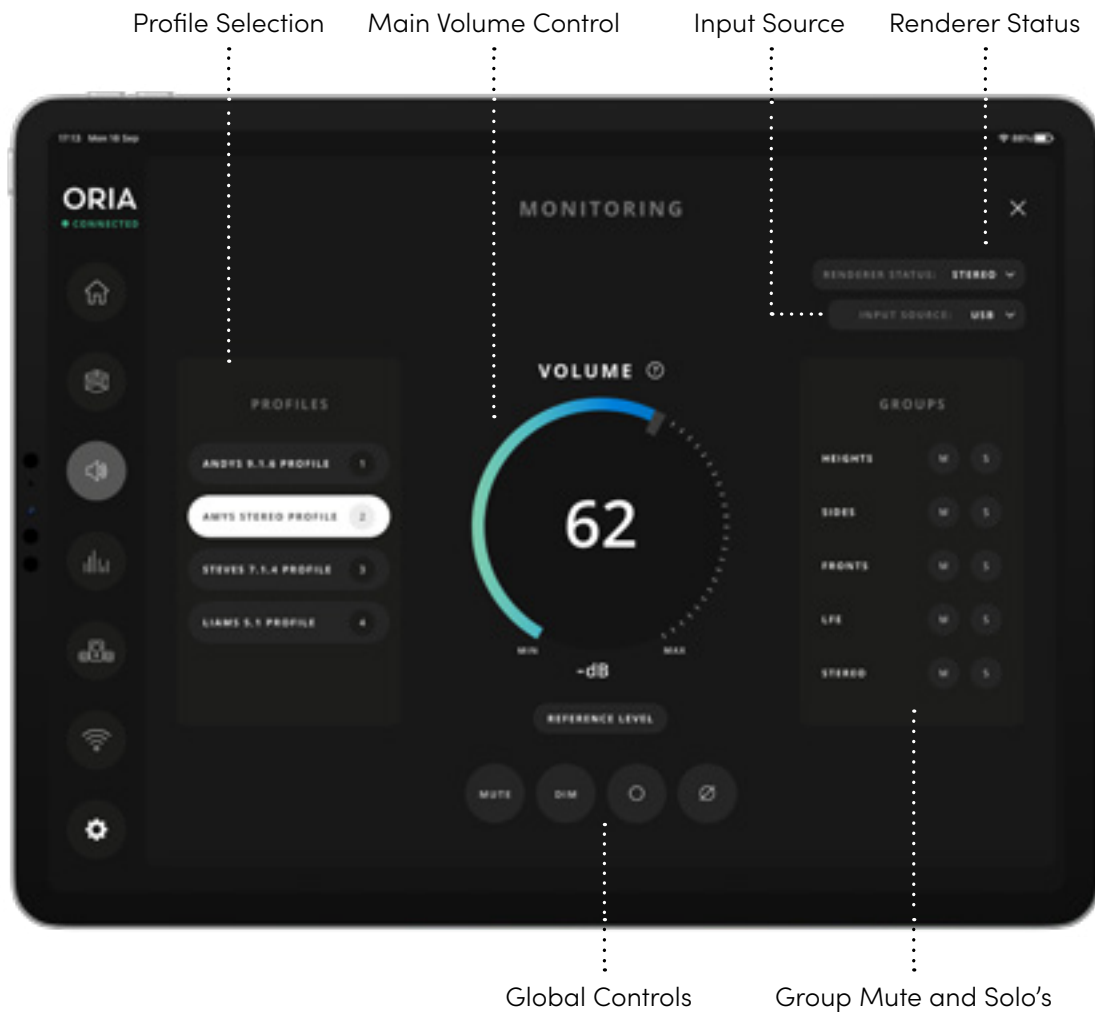
## Group Mute and Solo

Similarly, this section is a repeat of the Group Mute and Solos section found in the Home Page.



# Monitoring –

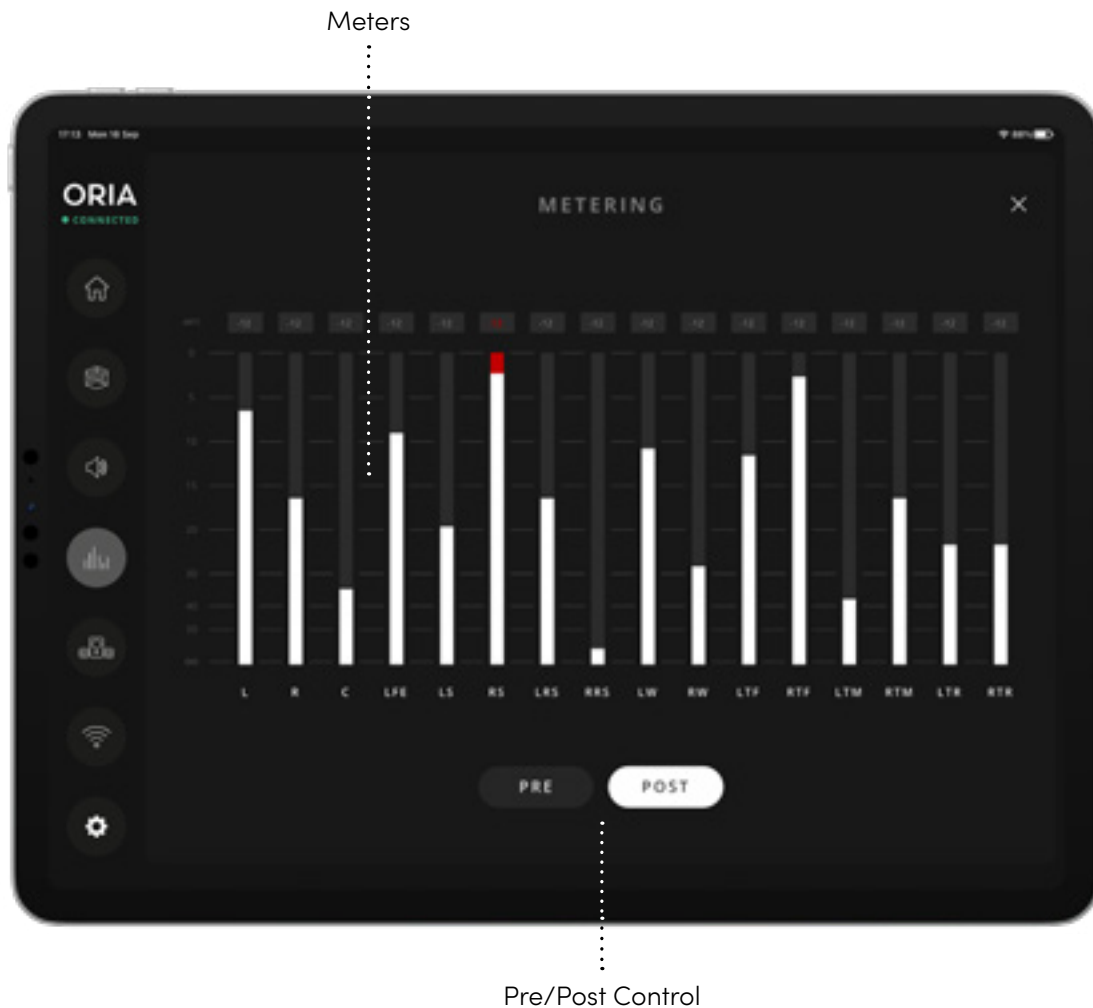
The Monitor Page displays an expanded view of the Monitor section found in the Home Page. Please see the Home Page section above for an overview of these controls





# Metering

The metering page provides high-resolution monitoring of all output levels on ORIA.

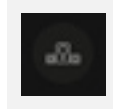


## Pre/Post Control

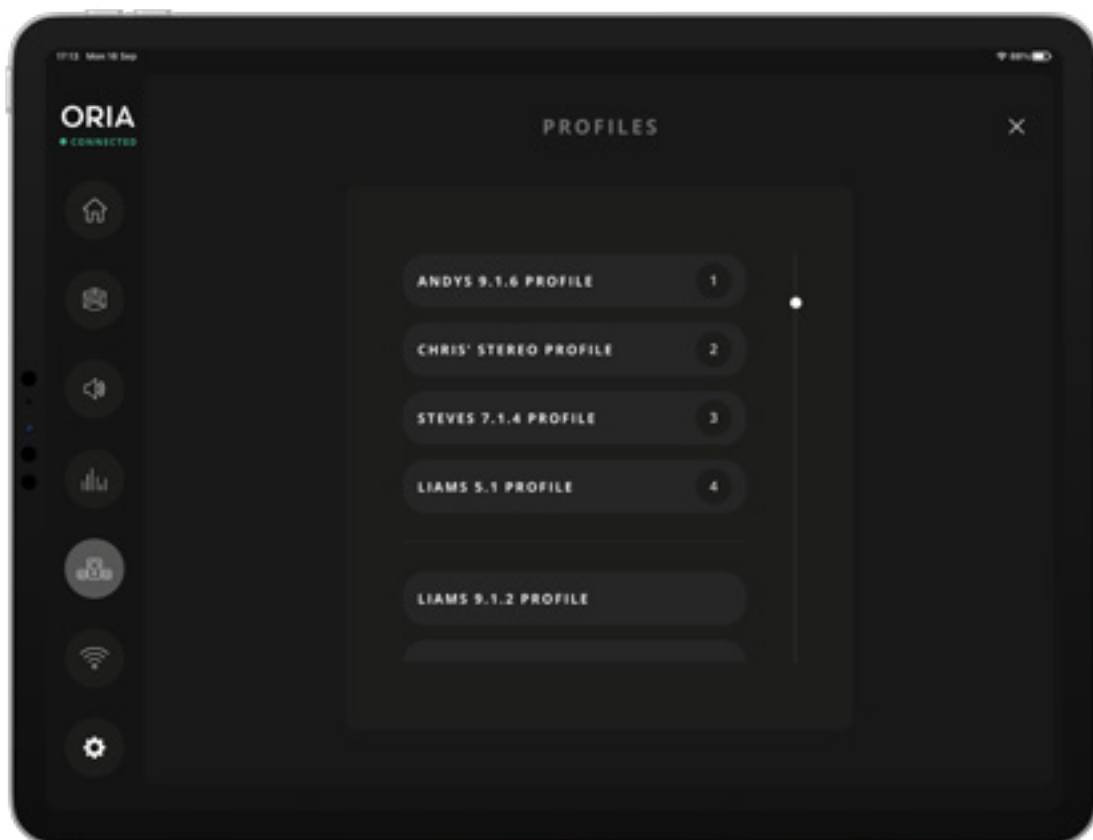
‘PRE’ is selected as the default, and shows the signals entering the ORIA Desktop Software App from your DAW outputs. ‘POST’ shows the signals leaving the ORIA after speaker calibration processing. POST metering mode will also take the volume control into account.



# Profile Selection -



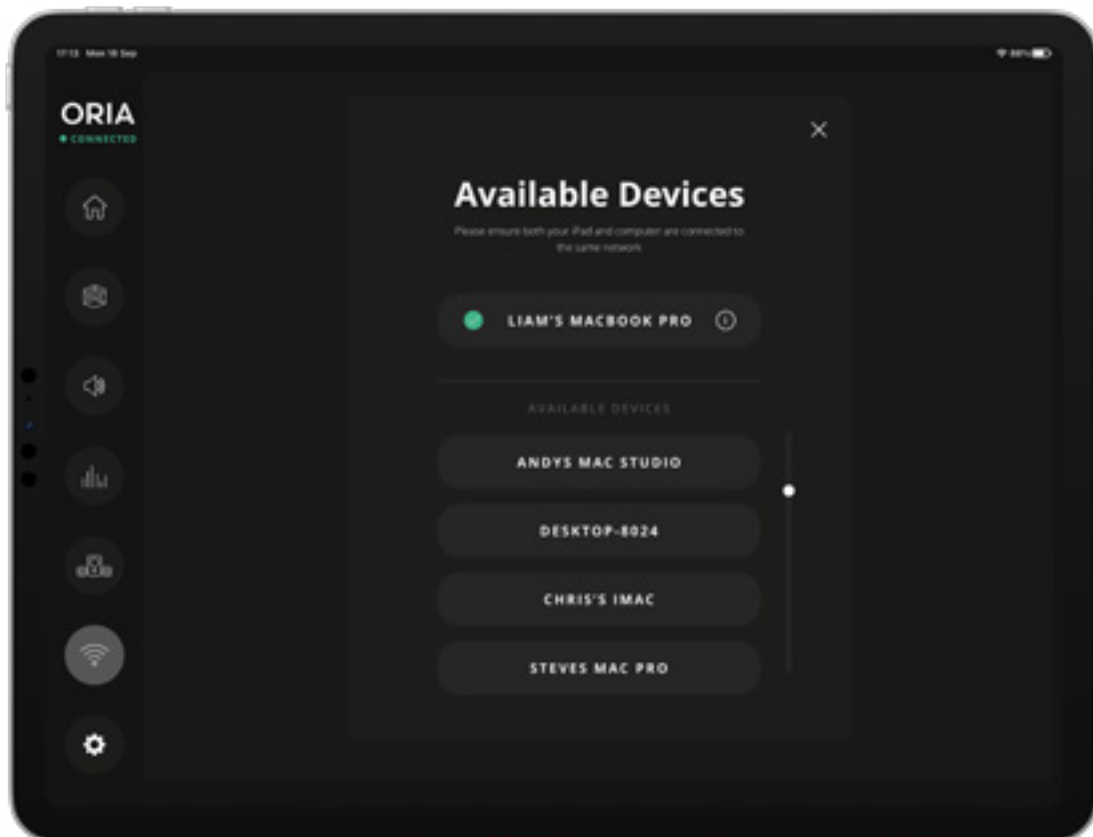
The Profile Selection Page is simply an expanded version of the Profile Selection section found on other tabs, allowing you to select which one of your Profiles is currently active as well as any other Profiles you have outside of the Profiles assigned to the four favourite slots.





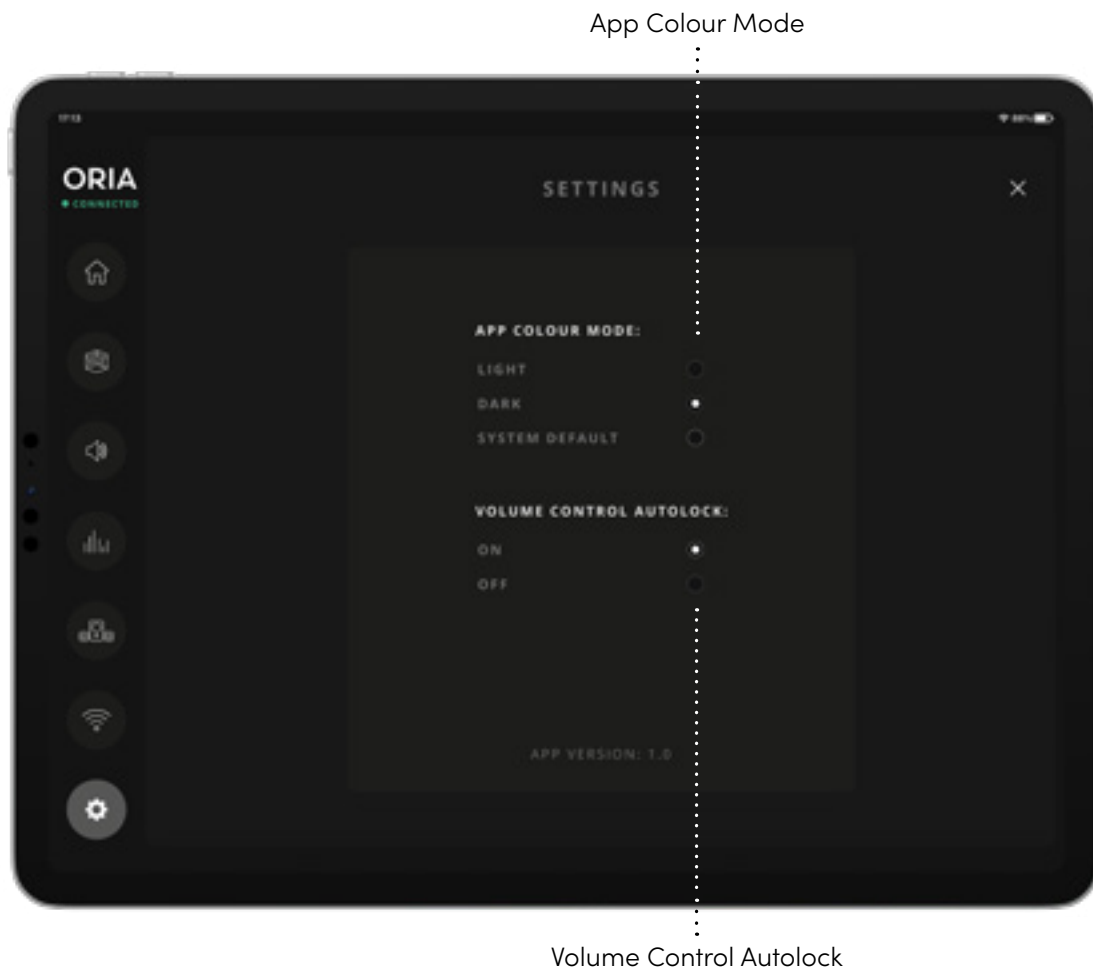
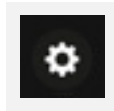
# Connection -

The Connection Page is used should you need to re-connect the ORIA iPad app to the ORIA or wish to change the currently connected device.





# Settings –



## App Colour Mode

Here you can set the ORIA iPad Remote to display in either Dark mode or Light mode to best suit your studio environment.

You can also set this to System Default so the ORIA iPad app will automatically adjust to the global iPad settings. This is useful if your iPad is set up to automatically adjust between light and dark mode based on the time of day.

## Volume Control Autolock

This control changes how the locking behaviour of the Main Volume control functions.

With Autolock enabled, tapping anywhere outside of the volume slider will automatically re-lock the volume level setting after it has been adjusted.

With Autolock disabled, the volume control will remain unlocked after a volume adjustment until the volume control is tapped again to lock it.







# Stream Deck

ORIA's Stream Deck integration allows you to control a majority of ORIA's functions remotely using any device from the Stream Deck family. This means you can keep ORIA installed in a rack, but still have complete control over your monitoring whilst remaining in the sweet spot of your speakers.



Available to download for free on the Elgato [Marketplace](#)





## Installation

Provided that you are using ORIA Control V1.2 or later, the ORIA Control Stream Deck Plugin is included in the ORIA Software installer. If the ORIA software detects the Elgato Stream Deck software installed on your system it will prompt you to install the ORIA Control Plug-in.

Otherwise, the ORIA Control plug-in can be found on the Elgato Stream Deck Marketplace. To install, simply ensure you are logged into your Elgato Account, click '**Get**' and the ORIA Control Plug-in will be added to the Elgato Stream Deck Software control panel.

## Profiles

To allow for a quick setup, the ORIA Control Plug-in includes Profiles for all of the common Stream Deck Devices. This automatically loads all the required controls onto your Stream Deck device so you can immediately begin using your Stream Deck with ORIA.

You can, of course, create your own custom profiles if preferred, and this is explained further in the '**Actions**' section below.

### Important Note:

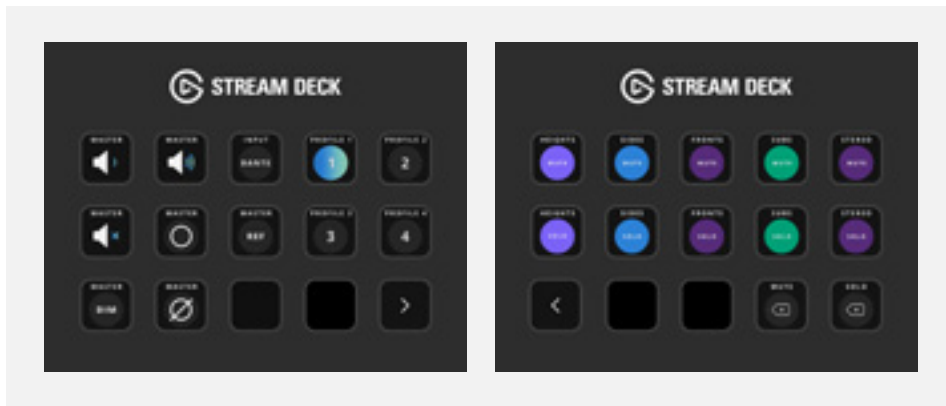
Due to how the Stream Deck software works, when the ORIA Control Plug-in is installed, only the Profile for the Stream device currently open will be installed. If you wish to use multiple Stream Deck devices, then you can easily download the required Profiles from the Elgato Marketplace: <https://marketplace.elgato.com/stream-deck/profiles>

Here is an overview of the various profiles installed with the ORIA Control App:



# Stream Deck MKII

The Stream Deck MKII Profile is made up of two pages. Page One includes the Volume Controls, Monitor Controls, Input Selection and Profile Selection. Page two includes the Mute and Solo Controls for the Speaker groups.

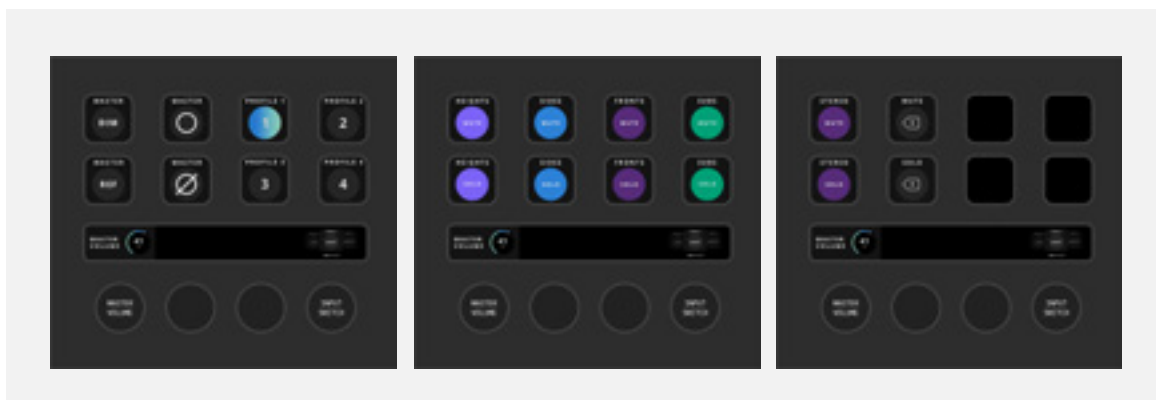


# Stream Deck +

The Stream Deck + Profile is made up of three pages. Page One includes The Monitor Controls and Profile selection. Page Two contains the Solo and Mute controls for the Heights, Sides, Fronts and Subs and Page Three contains the Stereo Solo/Mute and the Solo/Mute Clear. On Stream Deck +, you can move between pages by swiping on the screen.

The Left-most Dial is assigned to the Master Volume. Pressing the Volume Dial down will mute/unmute the Main Outputs.

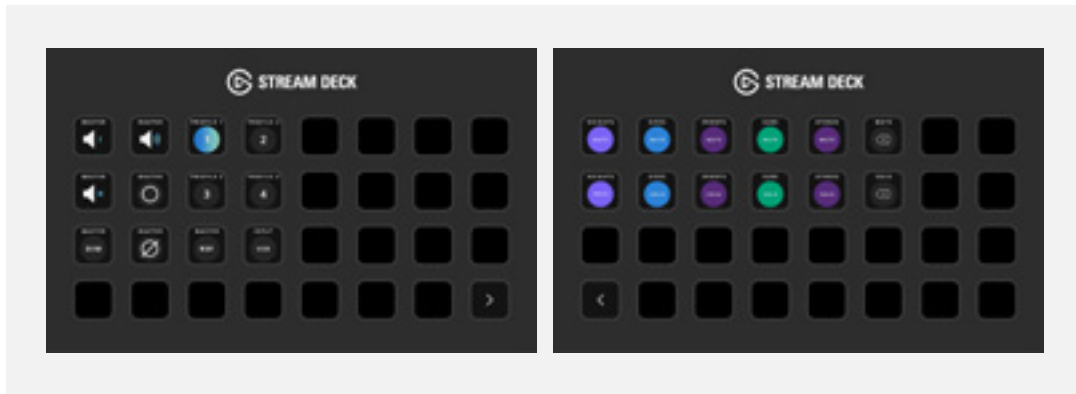
The Right-most Dial is used to select your input source. To select a source, scroll through the sources and press the dial down to select the source. This is accomplished using the 'Action Wheel' action from the Default Stream Deck Actions.





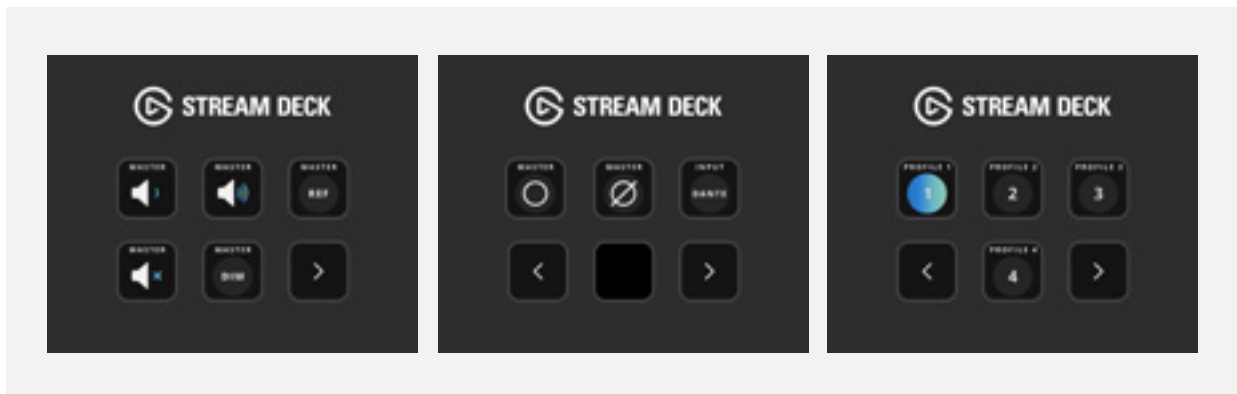
# Stream Deck XL

The Stream Deck XL Profile is made up of two pages. Page One includes the Volume Controls, Monitor Controls, Input Selection and Profile Selection. Page Two includes the Mute and Solo Controls for the Speaker groups.



# Stream Deck Mini

The Stream Deck Mini is made up of three pages. Page One contains the Volume, Master Reference and Master Dim controls. Page Two contains the Master Mono, Master Phase and Input Selection and Page Three contains the Profile Selection.





# Stream Deck Neo

The Stream Deck Neo Profile is made up of four pages. Page One contains the Volume and Monitor controls and your Input selection. Page Two contains the Profile Selection. Page Three contains the Heights, Sides, Fronts and Subs Solo/Mute Controls and Page Four contains the Stereo Solo/Mute and Solo/Mute Clear.





# Stream Deck Mobile

Stream Deck's Mobile App allows you to specify your grid size. The ORIA Control Plug-in provides Profiles for all the available grid sizes but for brevity, this manual will not list them all here.

**Please note that a Stream Deck Mobile Pro Subscription is required for any Grid Layouts larger than 3x2 on the Mobile App.**

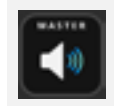


## Actions

If you wish to create your own custom Profile containing ORIA controls, then you can do so using the various ORIA Control Actions included in the ORIA Control Plug-in. Below is a brief description of each action and how they can be used:



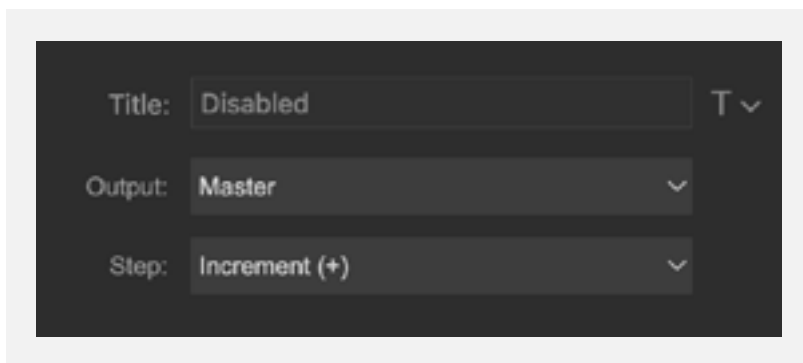
# Volume -



Volume allows you to adjust the output volume of ORIA. On Stream Decks without Dial controls you will typically have two volume buttons, one to increment upwards and another to decrement downwards. The button can either be pressed once to increment/decrement the volume, or pressed and held to make larger volume adjustments

On Stream Deck +, the Volume action can also be assigned to one of the 4 dials. The dial will simply operate as a standard rotary volume control, however, it is also possible to press the Dial down to mute/unmute the Outputs of ORIA.

## Controls:

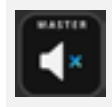


**Output** - Sets which output the Volume Action is adjusting (Please note in ORIA Control V1.2, only the Master output is available).

**Step** - Adjusts if the button increases the volume or decreases it. (This option is not available when used with a Dial on Stream Deck +).

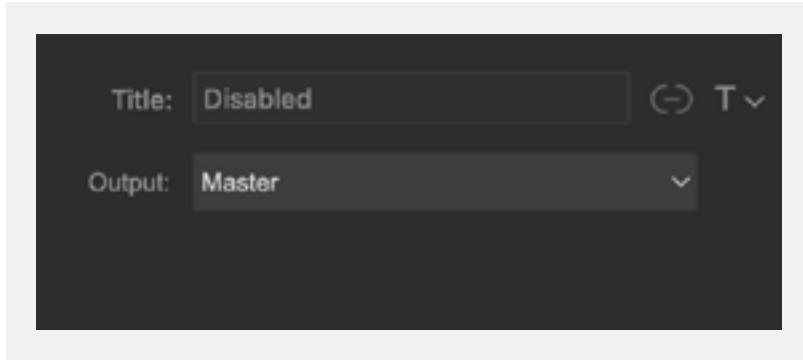


# Mute -



Mute disables/enables the Output on ORIA.

## Controls:



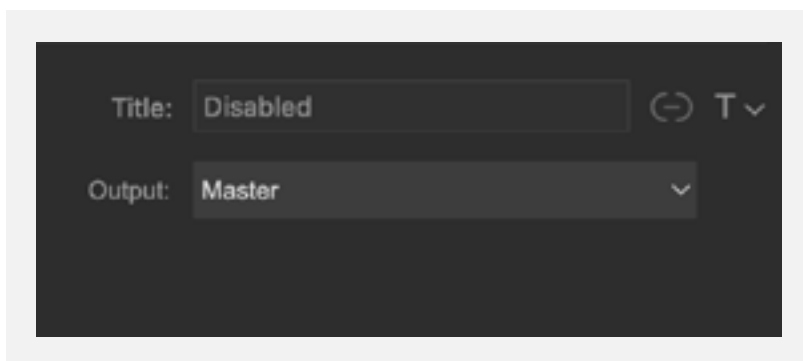
**Output** - Sets which output the Mute Action is affecting (Please note in ORIA Control V1.2, only the Master output is available).

# Dim -



The DIM action reduces the ORIA output by a predetermined amount, perfect for quickly talking to an artist without needing to pause or mute playback.

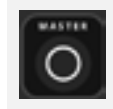
## Controls:



**Output** - Sets which output the Mute Action is affecting (Please note in ORIA Control V1.2, only the Master output is available).



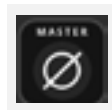
# Mono -



Mono will sum the stereo output of ORIA to a single Mono signal, allowing you to check the mono compatibility of your mix.

There are no additional controls for the Mono action.

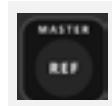
# Polarity -



Polarity will inverse the phase of the left stereo channel and then sum the left and right channels together. This cancels out anything panned centrally and allows you to hear the 'Sides' portion of your mix.

There are no additional controls for the Polarity action.

# Reference Level -



Reference Level sets the ORIA output volume to a predefined Reference Level for calibrated listening.

There are no additional controls for the Reference Level action.

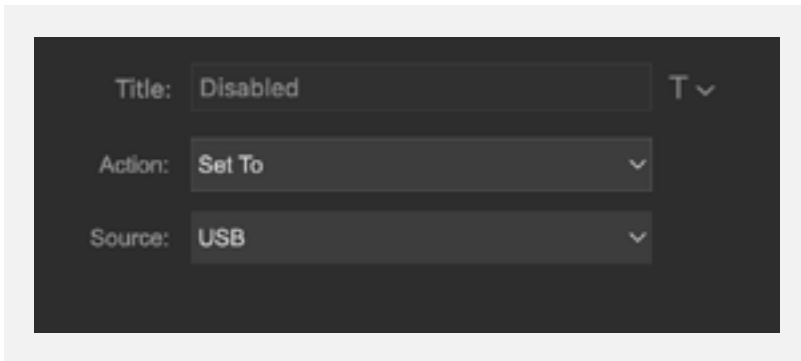


# Input Source -



Input Source allows you to select which of the various input sources (USB, ADAT, Dante... etc) is currently being used by ORIA.

## Controls:



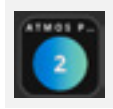
**Action** - This control provides two options; “Step Through” or “Set To”. “Step Through” lets you cycle through the various input options. “Set To” lets you specify which input source should be selected when this button is pressed.

**Step** - When “Step Through” is selected as the Action, this lets you choose whether the control steps forward or backward through the input sources.

**Source** - When “Set To” is selected as the Action, this allows you to set which source is selected when this button is pressed.

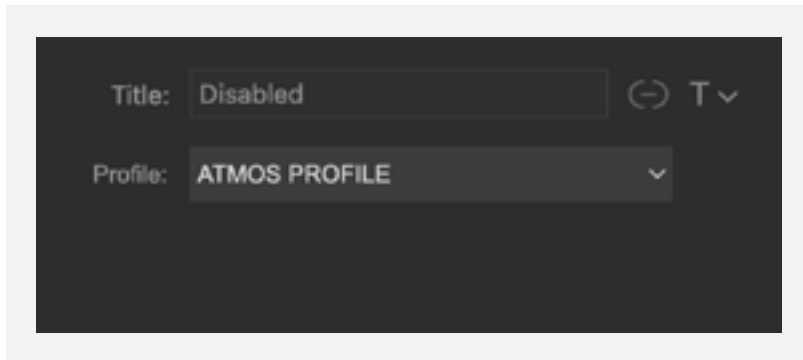


# Profile -



The Profile button allows you to select which Profile is currently active on ORIA. Please note that only the top 4 'Favourite' Profiles are available in the ORIA Control Stream Deck plug-in. When a Profile is active the button will display a blue gradient.

## Controls:



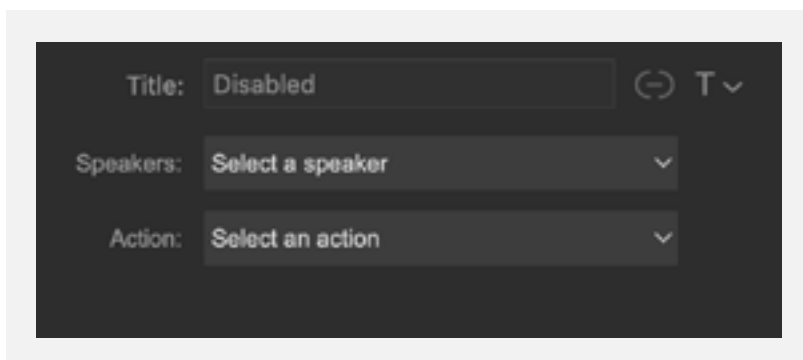
**Profile** - Here you can select which Profile is assigned to this button from the 4 favourite profiles.

# Speaker -



The Group action allows you to either Solo or Mute a specific speaker output (L, R, C..etc) on ORIA.

## Controls:

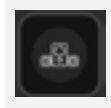


**Speakers** - Here you can select which speaker output is being controlled by this button.

**Action** - Either Cut or Solo can be selected as the speaker action.

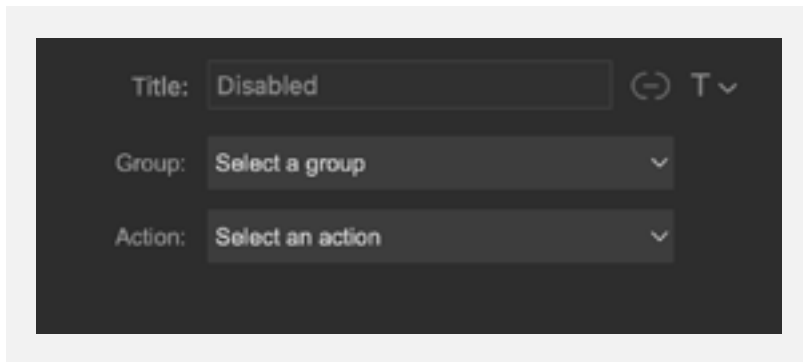


# Group -



The Group action allows you to either Solo or Mute a specific Speaker Group (Fronts, Sides.. etc) on ORIA.

## Controls:



**Group** - Here you can select which Speaker Group is being controlled by this button.

**Action** - Either Cut or Solo can be selected as the Group action.



# Troubleshooting

## **Yellow Warning Appears on Action When Pressed**

If a warning sign appears on the button when pressed, this indicates that Stream Deck cannot communicate with the ORIA Control Application.

Firstly, check that the ORIA Control application is open. If it isn't, open it from your Applications folder or Start Menu. If the ORIA Control Application is open, please quit the application and re-open it so that the Stream Deck Control software can re-establish its communication with ORIA.

## **The Profile for my Stream Deck Device was not installed.**

The Stream Deck Control software will only install the Profile for the Stream Deck device that is connected and in focus at the time of installation. For example, if you have a Stream Deck + connected and open in the Stream Deck Control app, then when you install the ORIA Control Plug-in, it will only install the Stream Deck + Profile for ORIA Control

If you change your Stream Deck or wish to use multiple Stream Deck devices, then you can install other ORIA Control Profiles for all Stream Deck Models, directly from the Elgato Marketplace: <https://marketplace.elgato.com/stream-deck/profiles>.



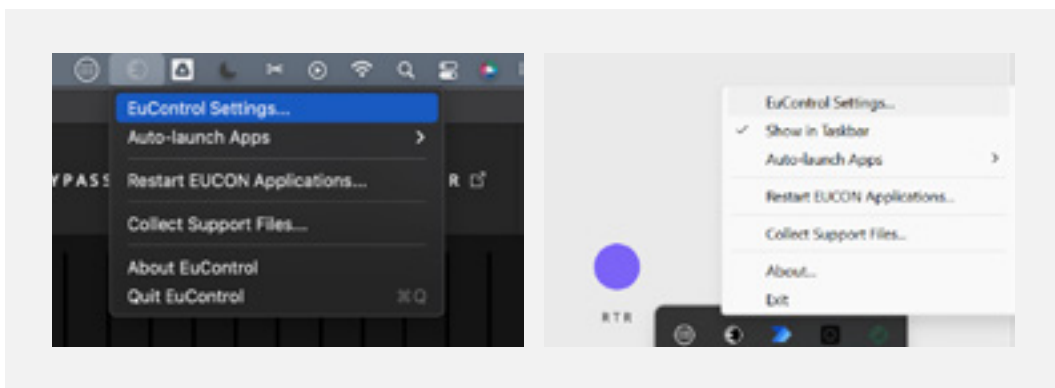
# EUCON

## Installation

To get started with EUCON, download EuControl from Avid's website here:  
[www.avid.com/resource-center/latest-eucon-updates-avid-control-surfaces](http://www.avid.com/resource-center/latest-eucon-updates-avid-control-surfaces).

It is also important to ensure that you are using the latest version of the ORIA Control from the Audient Website.

Once installed and launched, open the EuControl Settings Panel from the Status Menu (MacOS) or System Tray (Windows).



In this window, you can connect Surfaces, connect and lock specific Applications and customise your Soft Keys / AppSet layout.



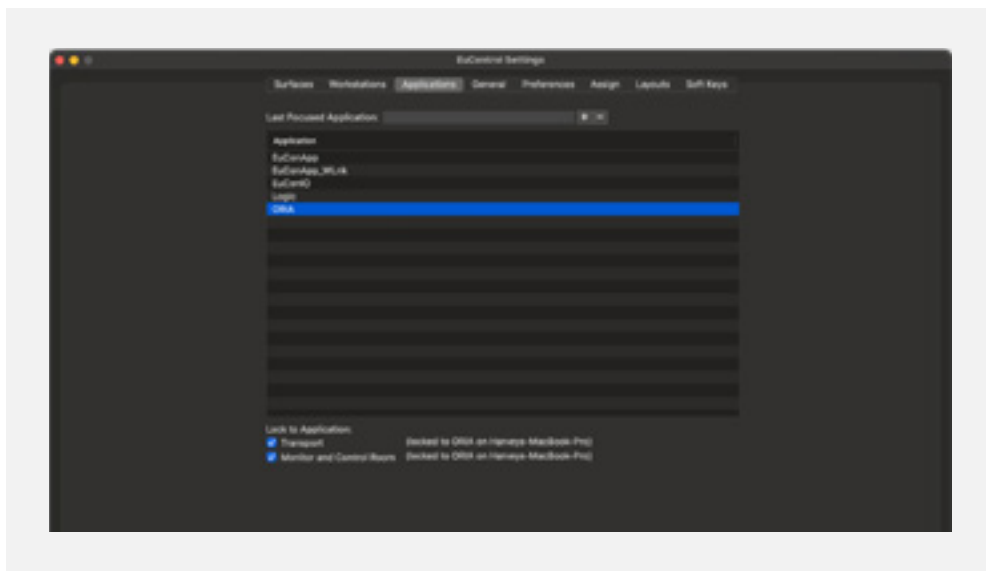


## Setup

In the Surfaces Tab of the EuControl Settings, ensure that you have added all of your Surfaces required. Additional details on how to do this can be found in the documentation for your Controller or Surface.

To add the “ORIA” application to EuControl, go to the Applications Tab. Open the ORIA Control App from your Applications folder. Now, click back to the EuControl Settings panel and ORIA should appear above the Application list as the ‘Last Focused Application’; click the ‘+’ button to add ORIA to your list of Applications.

Click on ORIA to highlight it. At the bottom where it says ‘Lock to Application’, select the ‘Monitor and Control Room’ checkbox. This allows you to adjust the monitor level using the Monitor Control dial on the Avid Dock, S4 and S6, even if the ORIA app is not in focus.



With the ORIA app in Focus, the Softkeys on your Control Surface should now be configured to Audient’s preconfigured layouts.

## Audient Preconfigured Layout

Although EuControl gives users flexibility to map out their keys however they wish, using the ‘Official Audient Layout’ provides users with a streamlined, ready-to-use setup that provides complete control of ORIA.



An outline of Audient's Preconfigured Layouts can be found below. These Layouts can be customised by removing or adding Softkeys and Actions as required using the EuControl Settings Panel.

Click on ORIA to highlight it. At the bottom where it says 'Lock to Application', select the 'Monitor and Control Room' checkbox. This allows you to adjust the monitor level using the Monitor Control dial on the Avid Dock, S4 and S6, even if the ORIA app is not in focus.

### **Important Note:**

**It's important to note that the Preconfigured Layouts will only be available when the ORIA Control app is the focused Application. If you open a DAW which is being controlled by your EUCON Device, then you will no longer be able to access the Audient Preconfigured layout as the DAW controls will take priority. This is simply due to the limitations of the EUCON Protocol.**

## **Soft Keys Screen**

Soft Keys make up the main control of ORIA via EUCON and are shown on the Tablet connected to the EUCON Controller. This is split between two Regions: Control Centre and Control Lower



# Control - Centre

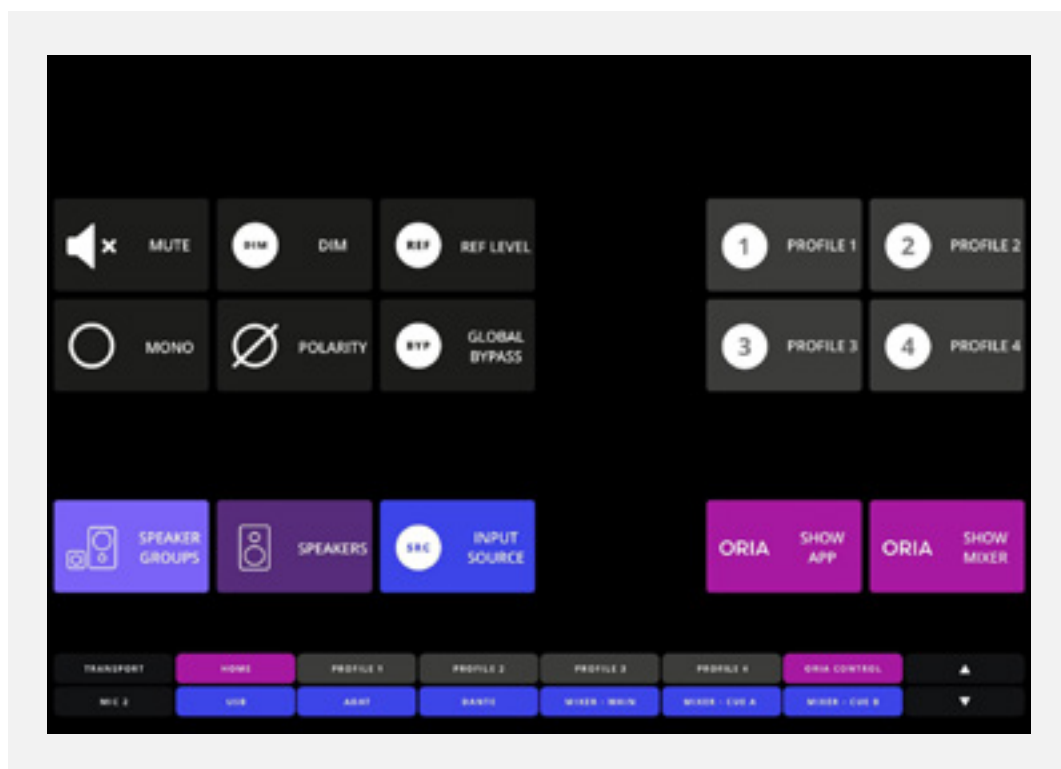
The Control Centre section contains the main controls of the Preconfigured layouts and is made up of various pages.

## Home Page

The upper half of the Home Screen provides the keys for the Main Monitor controls: Mute, Dim, Reference Level, Mono and Polarity. On the upper right-hand side, you can choose from the four 'Favourite' profiles on ORIA.

At the bottom left-hand of the Page, there are three keys that open the Speaker Group, Speaker and Input Source Pages, which are explained below.

Finally, In the bottom right-hand corner of the Page, there are two keys that allow you to open the ORIA Control App, or the ORIA Control App Mixer Window.

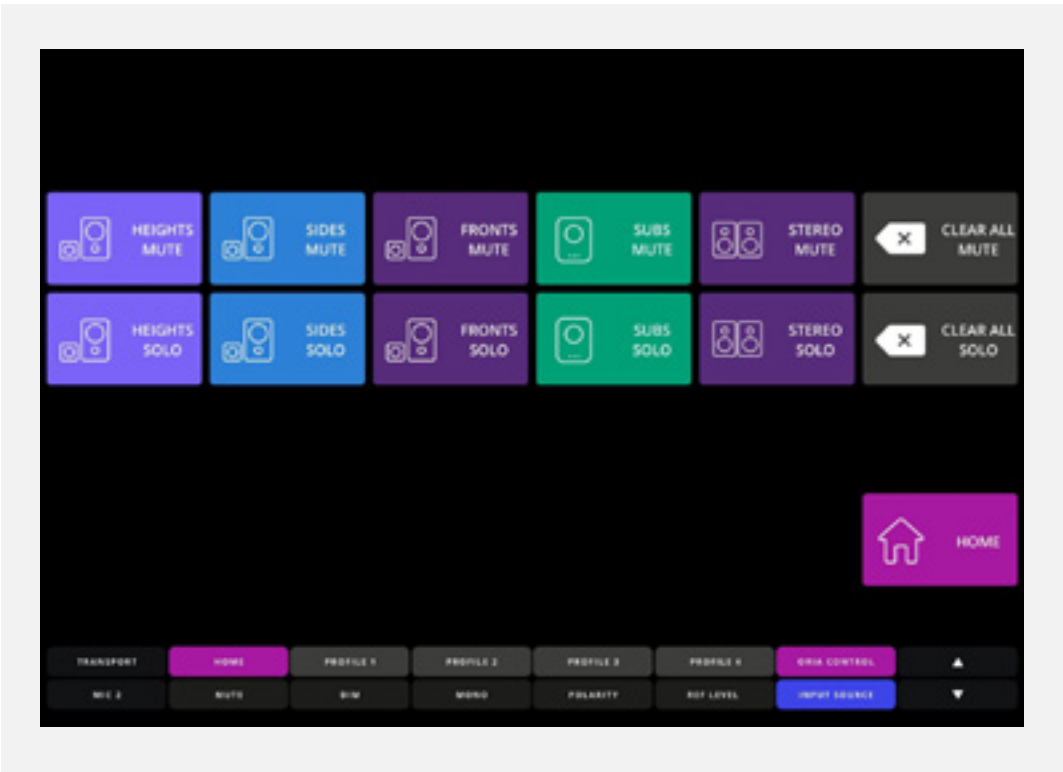




# Speaker Groups Page

The Speaker Groups page provides keys for Muting and Solo'ing the five Speaker Groups available on ORIA. There are also keys to clear all Mutes and Solos.

The Home Key in the bottom right-hand corner returns you to the Home Page.

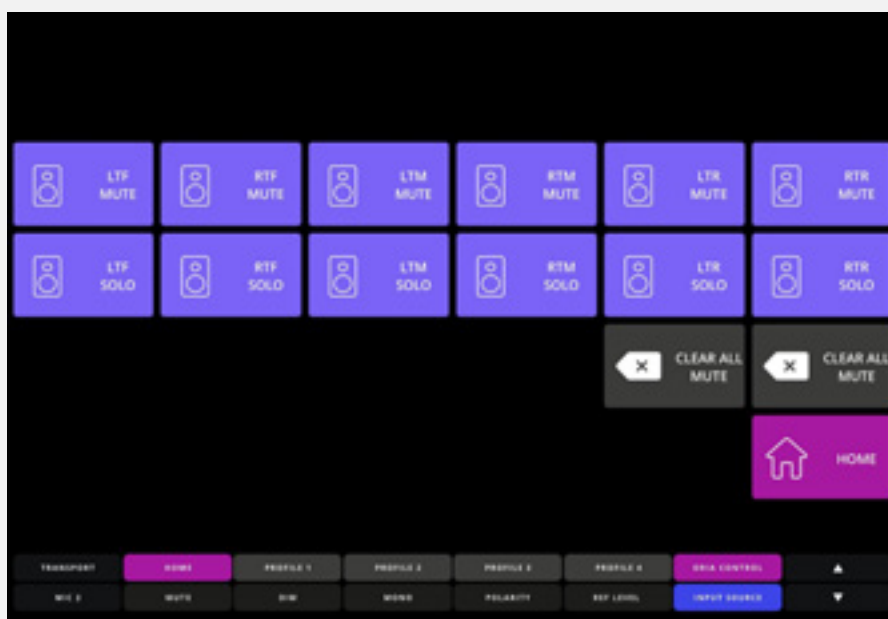
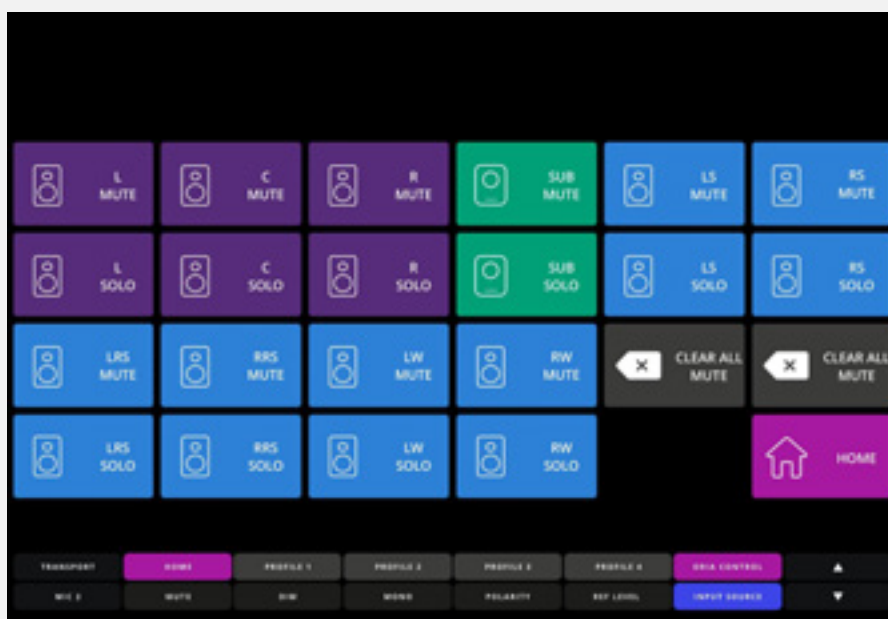




## Speaker Groups Page

The Speaker page is similar to the Speaker Groups page but allows you to Mute and Solo individual speaker outputs on ORIA. There are also keys to clear any Mutes or Solos currently active.

To cover all 16 speaker outputs, the speaker page is split over two pages. You can move between pages by swiping across the screen. Both pages contain a Home key to return to the Home page.

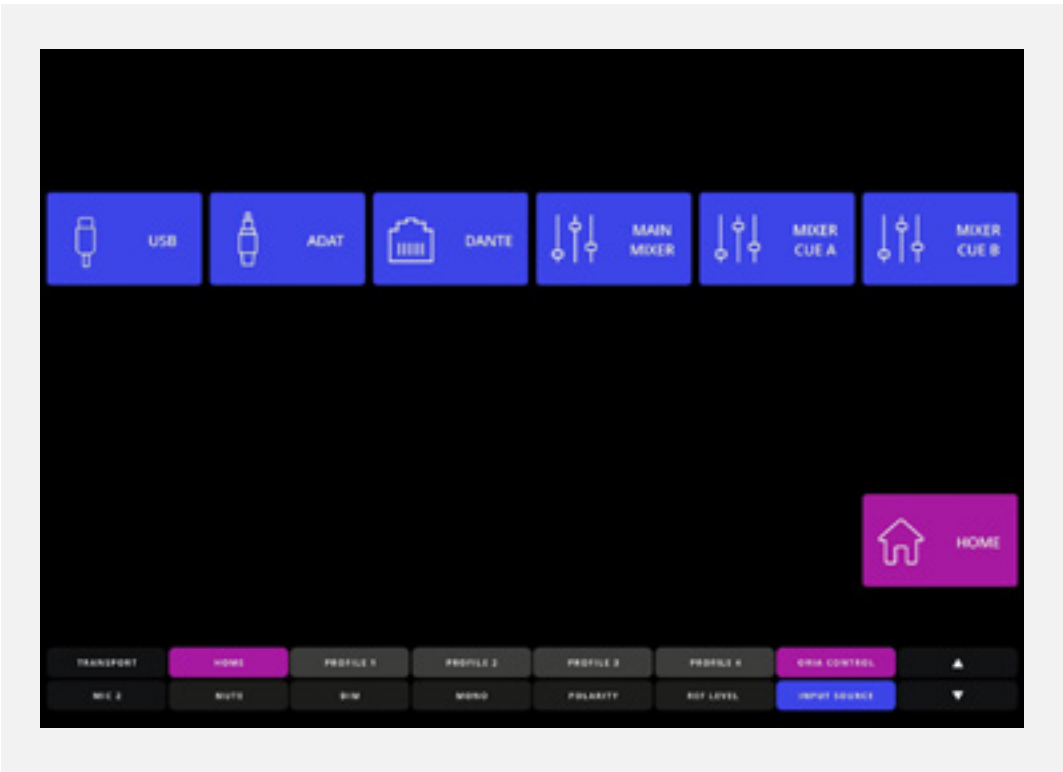




# Input Sources Page

The Input Sources Page provides six Keys allowing you to select the Input Source being used by ORIA.

As with the other pages, a Home Key is provided to return you to the Home page.





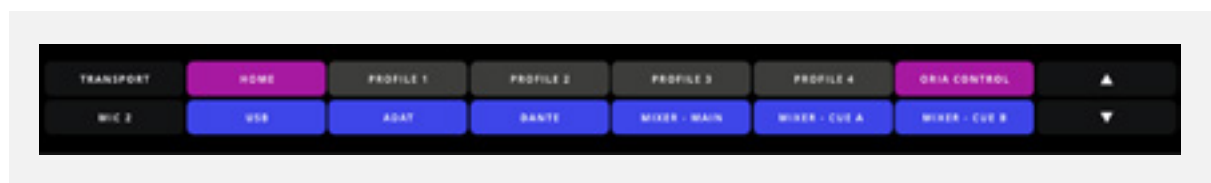
# Control - Lower

The Control Lower Section of the Layout contains supplementary controls that can also be accessed using the control buttons on an Avid Dock, if being used. The Control Lower section has two pages, which you can move between using the arrow keys on the right-hand side. The two Pages are as follows:

## Input Source Control

The upper row of the Input Source Control Page provides a Home Key allowing you to return to the Home page on the Control Centre Section. There are 4 Selection keys to select from the 4 'Favourite' Profiles and a key to launch the ORIA Control Application.

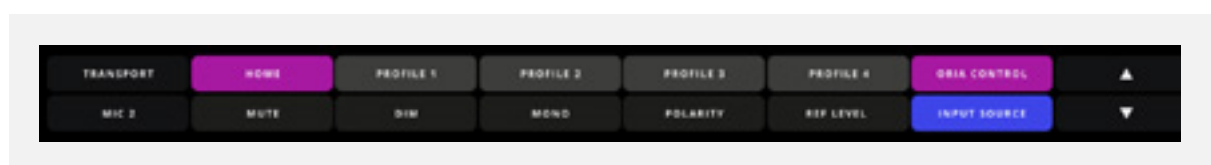
The Lower Row provides 6 keys, allowing you to select from the six input sources.



## Monitor Control

The Monitor Control Page retains the same keys on the upper row as Page one.

The lower row, however, provides the Keys for all the ORIA Monitor Control functions. There is also an Input Source Key that opens the 'Input Source' page on the Control Centre section.

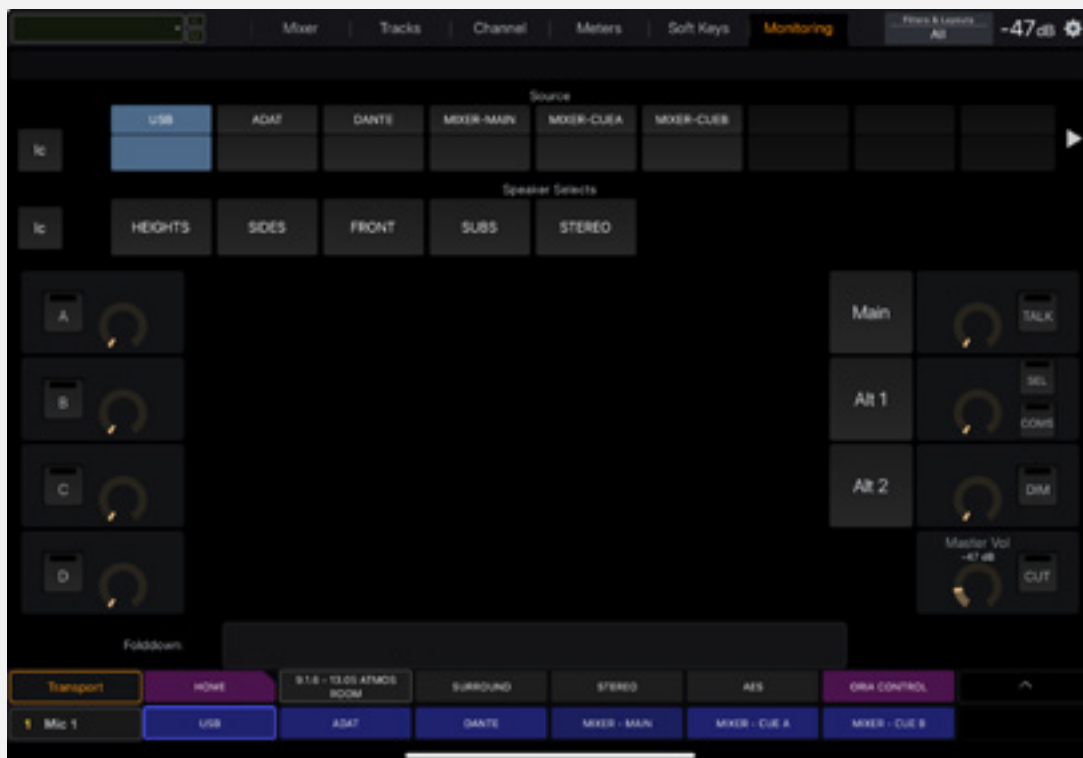




# Monitoring Screen

The Monitoring Screen provides Keys to select from the six Input Sources and a Mute key for the five Speaker groups.

The other controls on this screen are not mapped.

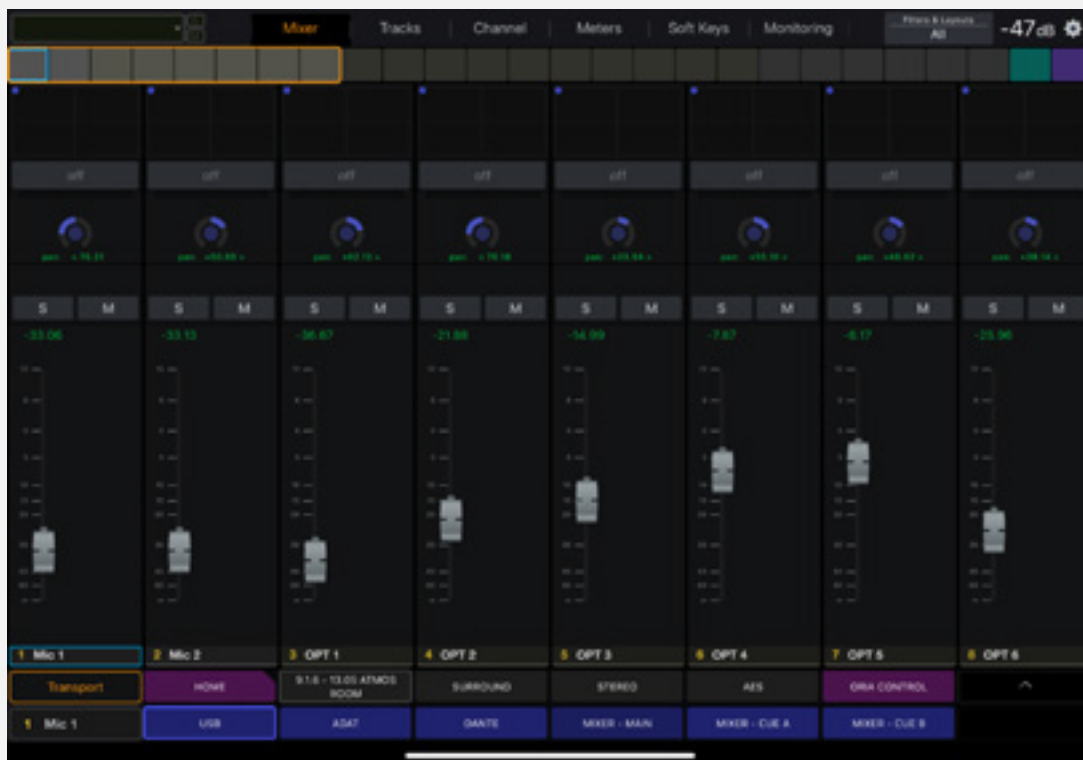




# Mixer Screen

The Mixer Screen provides control of the various faders found in the ORIA Control Application's Software Mixer. Here you can adjust the level of each channel fader and also adjust the panning of each channel.

If being used with a EUCON Controller with Faders, such as the S1, then the mixer window will be mapped to the hardware faders whilst the ORIA Control Application is in focus to allow for hardware control of the ORIA Control Application's Software mixer.





# Channel and Meter Pages

These pages are currently not implemented in the ORIA preconfigured Layout.

## Actions

Whilst the preconfigured layout for ORIA provides all the control you could need. You may wish to customise your Softkey Layout by adding additional Softkeys. Below is an overview of the various Softkey options available.

### Home

The Home key returns the Softkey Page back to the “Home Page” shown in the Softkeys section above.

### Master Mute

The master Mute Key allows you to toggle the Master Mute function on and off.

### Master DIM

The master Mute Key allows you to toggle Master Dim On and Off, which reduces the overall volume by a chosen level. The level of reduction can be changed in the ORIA Control Applications System Menu.

### Master Mono

The Master Mono key toggles Master Mono ON or OFF. This sums the Left and right channels together for mono compatibility checking.

### Master Polarity

The Master Polarity key toggles Master Polarity ON or OFF. This flips the Phase of the Left channel and sums the outputs to MONO.

### Reference Volume

The Reference Volume Key instantly returns the Output level of ORIA to the reference level defined by the user in ORIA's System Menu.

### Profile Selection

The Profile Selection Key allows you to switch between your 4 favourite profiles. Only one profile can be selected at a time, and if another profile is already selected, the previously active profile's state will be deselected.



### **Speaker Group Mute**

The Group Mute keys will toggle the Mute ON and OFF for the selected Speaker Group.

### **Group Solo**

The Group Solo keys will toggle the Solo ON and OFF for the selected Speaker Group.

### **Input Source**

The Input Source Key will open the Input Source Selection Page as shown in the Softkeys section of this manual.

### **Clear all Mute**

The Clear All Mute key will disable any currently active mutes on the Speaker Groups or Speaker Output.

### **Clear all Solo**

The Clear All Solo key will disable any currently active Solos on the Speaker Groups or Speaker Output.

### **Speaker Mute**

The Speaker Mute keys will toggle the mute ON and OFF for the selected Speaker Output.

### **Speaker Solo**

The Speaker Mute keys will toggle the mute ON and OFF for the selected Speaker Output.

### **Show ORIA Control App**

The Show ORIA Control App Key will bring the ORIA Control app into focus and to the forefront of the Operating system's view.

### **Show ORIA Control Mixer**

The Show ORIA Control Mixer Key will bring the ORIA Control Mixer into focus and at the forefront of the Operating system's view.



# Troubleshooting

## **I cannot access the ORIA Preconfigured Layout whilst using EUCON with my DAW.**

The ORIA Control Application must be in focus in order to have full access to the ORIA Preconfigured Layout. For example, if you instead have a DAW in focus, then the DAW's preconfigured layout will be shown instead.

You can add ORIA Control actions to other Softkey layouts to allow control of ORIA whilst using other applications if required. This is done using the EuControl Settings Panel.

## **The ORIA Control actions are not showing in EuControl's settings panel**

This may indicate that EuControl has lost connection to the ORIA software. In this instance, please quit the EuControl Software and re-open it, and the connection should be remade.



# Keyboard Shortcuts

## Mac

Room Panel Buttons:

Toggle Solo - Shift + Click on speaker button

Clear all mutes - Option + Click on a muted speaker

Clear all solos - Option + Click or Option + Shift + Click on a solo'd speaker

Keyboard Shortcuts:

Show/Bring up the Meter Window - Command + Shift + M

Navigate EQ Bands\* - Command + Left/Right arrows

\*Only available if the setup panel is visible

## Windows

Room Panel buttons:

Toggle Solo - Shift + Click on speaker button

Clear all mutes - Alt + Click on a muted speaker

Clear all solos - Alt + Click or Alt + Shift + Click on a solo'd speaker

Keyboard Shortcuts:

Show/Bring up the Meter Window - Alt + Shift + M

Navigate EQ Bands\* - Alt + Left/Right arrows

\*Only available if the setup panel is visible





# Safety Information

**Tel: 0044 1256 381944**

## **IMPORTANT SAFETY INSTRUCTIONS**

- **Read instructions** – All the safety and operating instructions should be read before the product is operated.
- **Retain instructions** – The safety and operating instructions should be retained for future reference.
- **Heed Warnings** – All warnings on the product and in the operating instructions should be adhered to.
- **Follow Instructions** – All operating and use instructions should be followed.
- **Cleaning** – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a dry cloth for cleaning.
- **Attachments** – Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- **Water and Moisture** – Do not use this product near water—for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
- **Accessories** – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult and serious damage to the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
- **Flame Sources** – No naked flame sources, such as lighted candles, should be placed on the product.



# Rack Mounting

ORIA requires 1U of vertical rackspace and a minimum of 400mm rack depth, allowing for cables. It weighs 3.5kg and for fixed installations – such as a studio – the four front panel mounting screws will provide adequate support. The front panel depth is 8mm at the mounting positions.

ORIA does not generate significant heat, and is cooled by natural convection. We recommend that the unit should not be used in locations where the ambient temperature is greater than 35°C. Ventilation is via slots on either side of the enclosure, and these must be clear of obstruction.

**Do not** mount ORIA immediately above or below any other equipment which generates significant heat, for example, a power amplifier.



# Warranty Information

## Warranty Statement

Your ORIA comes with a manufacturer's warranty for three years (36 months) from the date of despatch to the end user.

The warranty covers faults due to defective materials used in manufacture and faulty workmanship only.

During the warranty period Audient will repair or at its discretion replace the faulty unit provided it is returned carriage paid to an authorised Audient service centre. We will not provide warranty repair if in our opinion the fault has resulted from unauthorised modification, misuse, negligence or accident.

We accept liability to repair or replace your ORIA as described above. We do not accept any additional liability. This warranty does not affect any legal rights you may have against the person who supplied this product - it is additional to those rights.

## Warranty Limitations

This warranty does not cover damage resulting from accident or misuse.

The warranty is void unless repairs are carried out by an authorised service centre.

The warranty is void if the unit has been modified other than at the manufacturer's instruction.

The warranty does not cover components which have a limited life, and which are expected to be periodically replaced for optimal performance.

We do not warrant that the unit shall operate in any other way than as described in this manual.



AUDIENT