

Atellio family  
Networked sound, easy

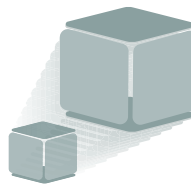






## Imagine...

Imagine a flexible and scalable sound system. What if you could set up such a solution and control it with your custom dashboard in just a few minutes? It is time for an innovative approach and to make configurations simpler by designing them smarter, so you can do more with fewer products and in less time.



## Flexible & scalable

That is why we have designed the Atellio product family with a flexible architecture. A brand-new range of networked audio solutions that is so flexible and easy to use that it can be adapted to any kind of project while its scalability ensures that it can easily meet the changing needs of any environment. Our solutions, which will consist of less hardware, will grow as functions and features are constantly added during the product's lifecycle.



## Evolving market

We are aware that with the convergence of AV and IT, there is a growing need for more flexible audio solutions without any programming skills needed for most AV setups. It is crucial that large numbers of devices can interact with these solutions simultaneously and that they are communicating safely thanks to encrypted keys.

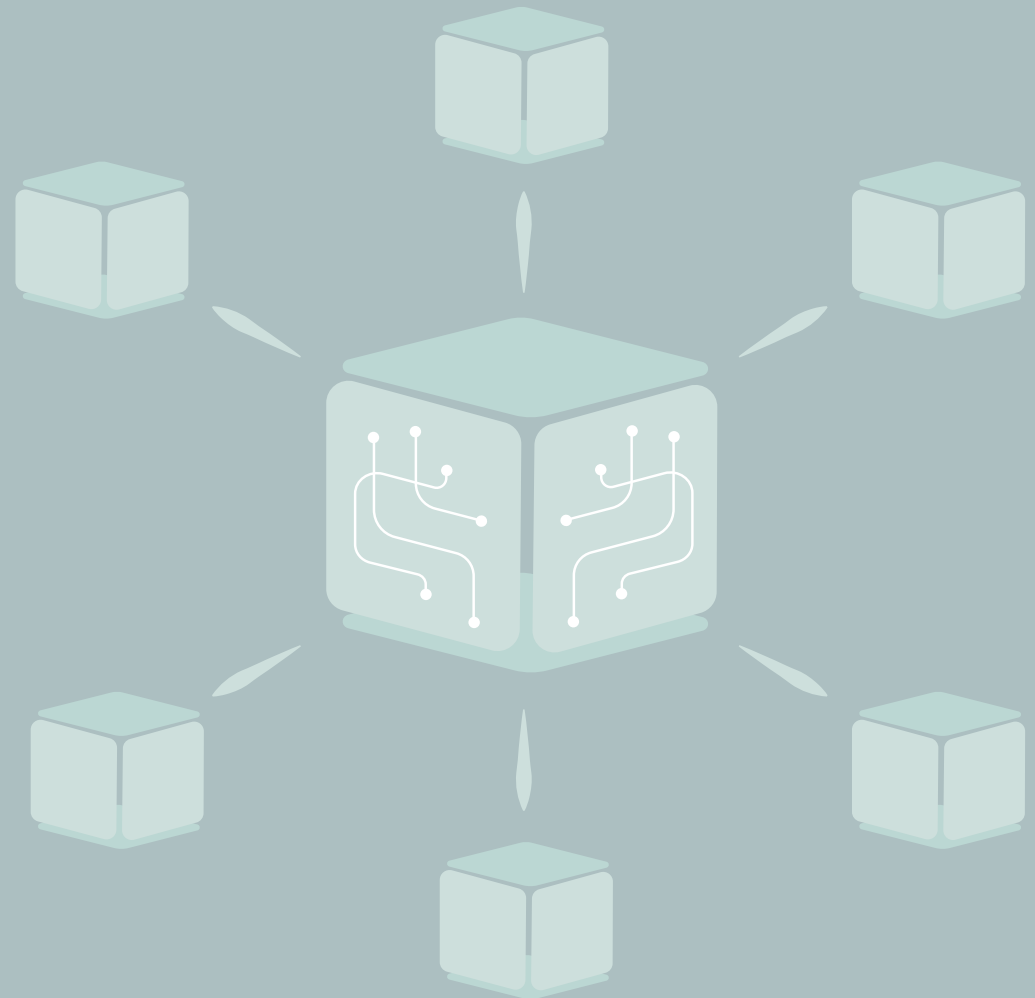


## A software based approach

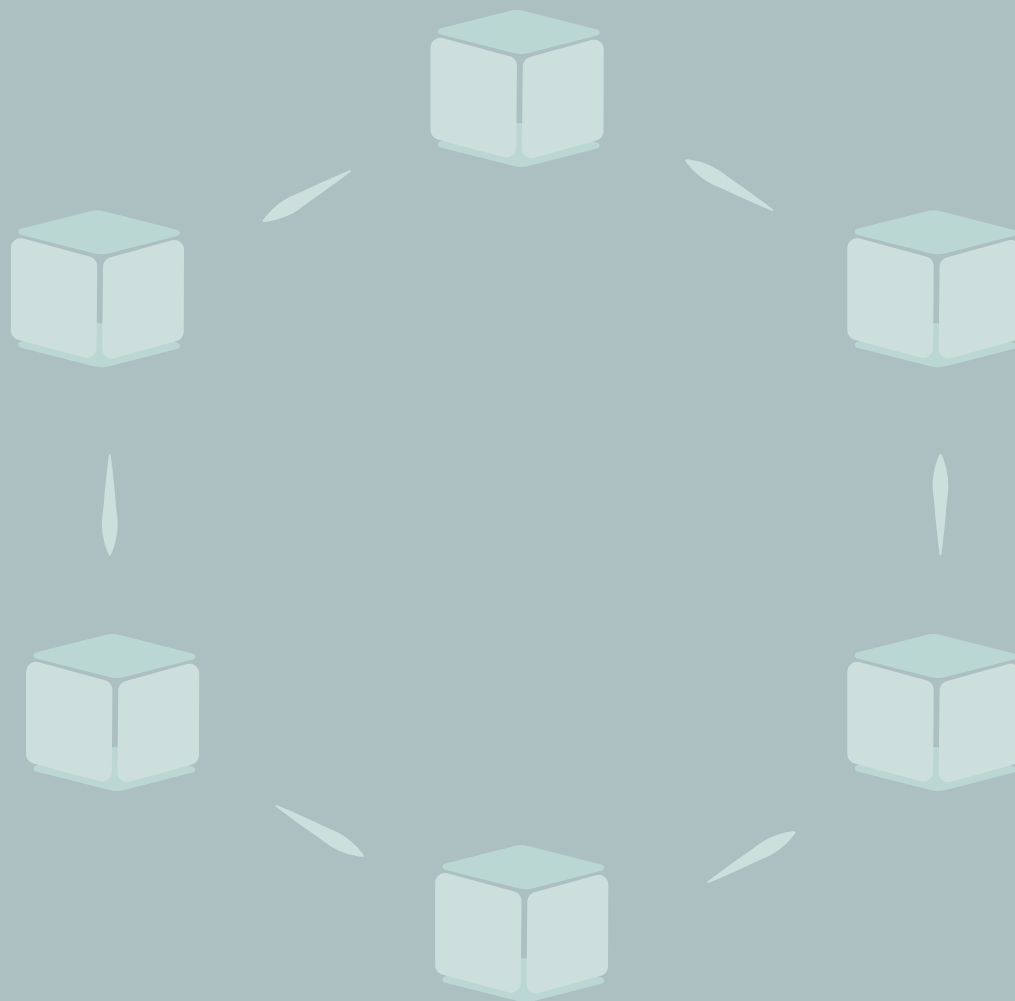
At the heart of it all, you can find AUDAC Touch™, our simplified design & system control platform. With AUDAC Touch™, we offer the easiest way to set up a system and create custom user dashboards without even needing a single line of code. By dragging and dropping widgets, a dashboard can be made in a flick of a wrist without complex configuration. However, if you want to create more comprehensive solutions, you can write tailor-made scripts using LUA scripting.

## Centralized processing

Modularity, flexibility, and sustainability were the main criteria when starting the design process and you can see this clearly when you take a closer look at the Atellio product family. You can design a project with a central processing approach by using one of our powerful matrix processors that stands out in terms of ease of installation and great flexibility during use.







## Decentralized processing

Yet you no longer must rely on a centralized approach for every solution, as every product is smarter and more powerful than before. As each member of the Atellio family has the necessary signal processing power and unique features, they are perfect for use as a stand-alone solution.

# Hello

## Atellio family



A complete family



Less individual products needed



Software based approach



No complex programming required



Ever expanding features



Compatibility across multiple AUDAC families



AUDAC technology partners

*Networked  
sound, easy.*



# The most powerful matrix system we have ever designed.

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**SHARC**  
main DSP

**2 x**  
DSP cores

**1 x**  
ARM core based on Linux

2 x separate  
**co-DSP's**

1 x separate monitor  
**MCU**

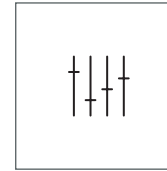
# LUNA-F

## Flexible networked audio matrix processor

The LUNA-F is our next milestone in audio matrix processing. The flexible architecture allows fully flexible mapping of the signal path to any of the 32 mono or 16 stereo zones, while the powerful DSP's (dual SHARC) combined with 32-bit ADC and DAC converters allow the most extensive signal processing with superb audio quality.

It includes 12 Mic/Line Inputs, 8 flex channels that can be switched between 8 Mic/Line Inputs or Line level output, and 8 Line level outputs. Additionally, up to 64x64 Dante™/AES67 I/O Channels are available with primary and secondary ethernet ports, allowing the integration of the system with any Dante™/AES67 compatible audio over IP I/O units with redundancy.

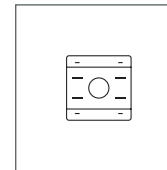
- ✓ A scalable mixture of analogue and network channels
- ✓ 8 Mic/line inputs, 8 flex inputs/outputs and 8 outputs
- ✓ 24 fully flexible GPIO in- or outputs
- ✓ 16 x 16 included Dante™/AES67 channels (optional expandable up to 64 x 64)
- ✓ Compatible with all Dante™/AES67 paging/in & output devices
- ✓ Works out of the box thanks to easy scalable architecture
- ✓ Single design and control platform - AUDAC Touch™
- ✓ AudioBridge for flexible audio transfer for all inputs & outputs
- ✓ Auto-update (OTA) feature
- ✓ Fully scalable from medium-sized to the largest enterprise solutions



16 stereo or up to 32 mono flexible zones  
(All combinations possible)



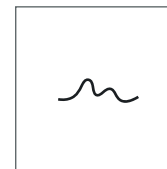
Intuitive LUA scripting  
☆ Premium feature



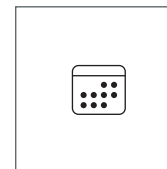
Compatible with all AUDAC network control devices  
Incl. 3<sup>rd</sup> party equipment



Acoustic Echo Cancellation (4 channels)  
☆ Premium feature



WaveTune™ & WavePreset™ processing



Event handler  
(Trigger and timed event scheduling)

# LUNA-F

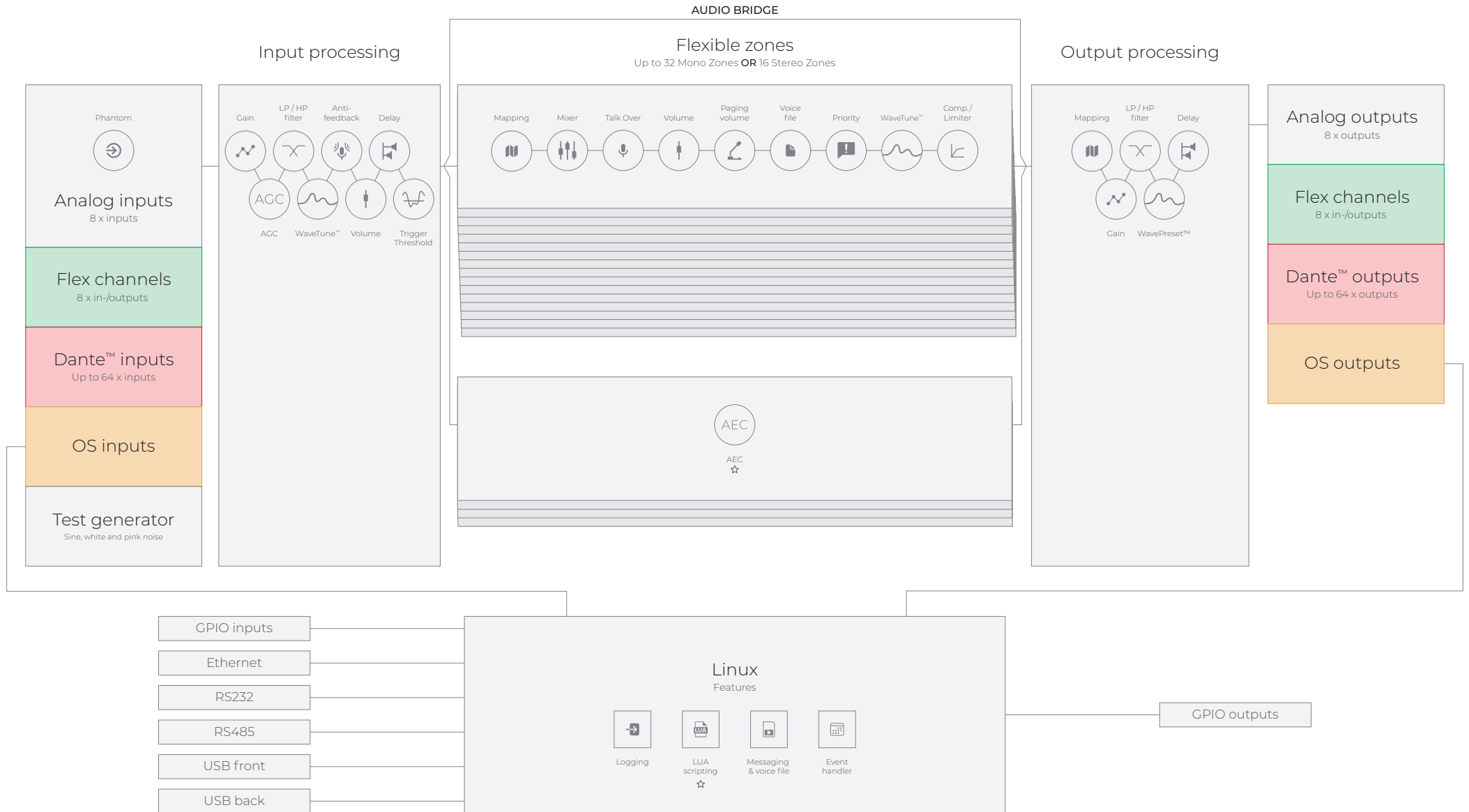
## Flexible network audio matrix processor



- ① 8 x balanced Mic/Line inputs
- ② 8 x flex in- & outputs
- ③ 8 x balanced line outputs
- ④ 24 x GPIO in-/output contacts
- ⑤ USB Type-C host - E.g. uploading files
- ⑥ RS232/RS485 control
- ⑦ External error contact
- ⑧ Network ethernet & primary Dante™ port
- ⑨ 24V DC connector



☆ Optional feature



\* Please note that this block diagram represents the functionality of LUNA-F, The LUNA-U is a variant of this block diagram. Subject to change.



# LUNA-U

## Unified audio matrix processor

USB | TCP/IP | **Dante™**  
Option available

- ① 12 x balanced Mic/Line inputs
- ② 8 x balanced line outputs
- ③ 12 in & 12 out GPIO contacts
- ④ USB Type-C host - E.g. uploading files
- ⑤ RS232/RS485 control
- ⑥ External error contact
- ⑦ Network ethernet port
- ⑧ 24V DC connector





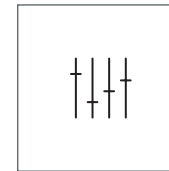
# LUNA-U

## Unified audio matrix processor

The LUNA-U is our next milestone in audio matrix processing. The flexible architecture allows fully flexible mapping of the signal path to any of the 32 mono or 16 stereo zones, while the powerful DSP's (dual SHARC) combined with 32-bit ADC and DAC converters allow the most extensive signal processing with superb audio quality.

It includes 12 Mic/Line Inputs and 8 Line level outputs. Additionally, up to 32 Dante™/AES67 I/O Channels are available with a single ethernet port, allowing the integration of the system with any Dante™/AES67 compatible audio over IP I/O unit.

- ✓ A scalable mixture of analogue and network channels
- ✓ 12 Mic/line inputs and 8 balanced outputs
- ✓ 12 GPIO inputs and 12 outputs
- ☆ ✓ Expandable up to 32 x 32 Dante™/AES67 channels (optional extension card)
- ☆ ✓ Compatible with all Dante™/AES67 paging/in & output devices
  - ✓ Works out of the box thanks to easy scalable architecture
  - ✓ Single design and control platform - AUDAC Touch™
  - ✓ AudioBridge for flexible audio transfer for all inputs & outputs
  - ✓ Auto-update (OTA) feature
- ☆ ✓ Fully scalable from medium-sized to the largest enterprise solutions

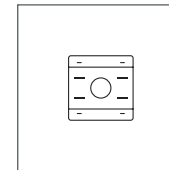


16 stereo or up to 32 mono flexible zones  
(All combinations possible)

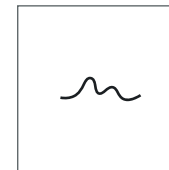


Intuitive LUA scripting

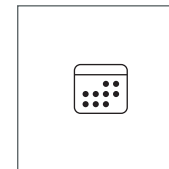
☆ Premium feature



Compatible with all AUDAC network control devices  
Incl. 3<sup>rd</sup> party equipment



WaveTune™ & WavePreset™ processing



Event handler  
(Trigger and timed event scheduling)

A brief overview

## Compare the LUNA series

	LUNA-F	LUNA-U
Mic / Line inputs	8	12
Flex inputs / outputs	8	-
Line outputs	8	8
GPIO	24 flex	12 in & 12 out
Dante™/AES67 Networked audio channels	Standard: 16 x 16 Software extension: 8 x 8 [ <a href="#">SL-NAC8</a> ] Max channel count: 64 x 64	Standard: None Hardware (w/ software) extension: 8 x 8 [ <a href="#">ANM88</a> ] Additional software extension: 8 x 8 [ <a href="#">SL-NAC8</a> ] Max. channel count: 32 x 32
AEC (Acoustic Echo Cancellation)	Optional license [ <a href="#">SL-AEC4</a> ]	-
Control interface ports	Ethernet (primary & secondary), RS-485 & RS-232	Ethernet (primary), RS-485 & RS-232


## Make your system even more complete

# Atellio family extensions

Our software-based thinking not only forces us to challenge ourselves to constantly improve our total system control platform, AUDAC Touch™, yet also results in offering software and hardware-related licenses.

This vision enables us to activate new and additional functions from the start or later in the project without having our partners pay for features they won't need or use.

Optional licenses		
8 x 8 networked Dante™/AES67 Audio channels expansion license  [ SL-NAC8 ]	LUA scripting engine activation license  [ SL-LUA1 ]	4 channels AEC activation license  [ SL-AEC4 ]

Additional extension cards
Dante™/AES67 networked module + 8 x 8 license for LUNA-U  [ ANM88 ]   Option available



# NCP105

## Universal network/PoE wall panel controller

The NCP105 is a universal network wall panel controller, with 4 programmable capacitive touch buttons and a programmable rotary encoder. Each button is provided with an RGB indicator LED, while the RGB LED ring gives the user feedback on the selected settings or audio level.

Besides the elegant design, the front panel of NCP105 is finished with high-quality fingerprint-resistant glass and a name tag window for each button that allows a custom name tag to be added behind the panel, offering a neat finish while having a clear overview of the configured functions. The configuration of the button functions and the rotary dial is entirely flexible, with full compatibility with all AUDAC Touch™ functionalities.

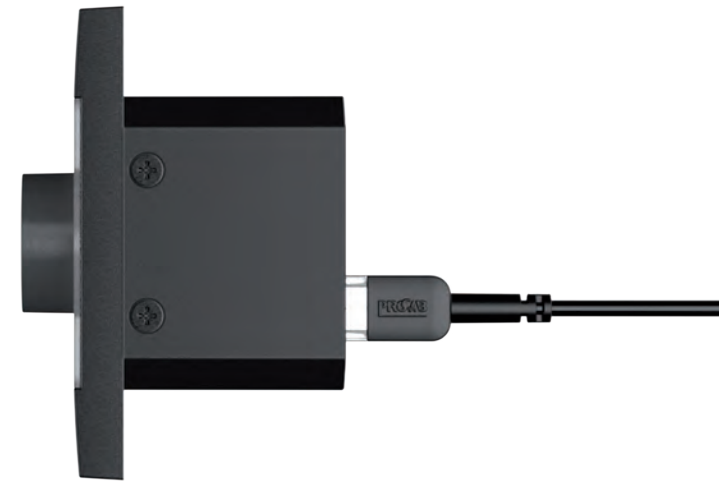


- ✓ Gateway to AUDAC Touch™
- ✓ Setup any command behind any button in seconds
- ✓ No programming required
- ✓ 4 adjustable buttons and push rotary with RGB LED ring indicator



## Plug-and-play installation

The IP-based communication makes it future-proof while also being backwards compatible with a lot of existing products, while the limited PoE power consumption makes it compatible with any PoE network-based installation.



## Suitable for most TCP-IP devices

The NCP105's design allows it to be used in many applications and with many different AUDAC or third-party AV equipment. From amplifiers to loudspeakers, the choice is yours.



### Compatible AUDAC devices

- ✓ LUNA series
- ✓ MTX series
- ✓ VEXO series (with ANI44XT)
- ✓ AMP203 & AMP523
- ✓ More to come
- ✓ M2
- ✓ MFA series
- ✓ SMQ, PMQ & SMA series (with ANI44XT)
- ✓ ARU series

# NWP series

## Network in- & output wall panels

Internal mixing & EQ | Bluetooth | USB | PoE | Dante

/B /W



### NWP222

- ✓ 2 x XLR inputs & outputs
- ✓ Bluetooth
- ✓ 4-channel Dante™
- ✓ Internal mixing & DSP processing

### NWP320

- ✓ 2 x XLR inputs
- ✓ 3.5 mm jack
- ✓ Bluetooth
- ✓ 4-channel Dante™
- ✓ Internal mixing & DSP processing



## NWP220

- ✓ 2 x XLR inputs
- ✓ Bluetooth
- ✓ 4-channel Dante™
- ✓ Internal mixing & DSP processing

## AUDAC Touch™

Set up and control the internal mixing & equalizer

## NWP400

- ✓ USB type-C
- ✓ Bluetooth
- ✓ 4-channel Dante™
- ✓ Internal mixing & DSP processing

## NWP300

- ✓ 3.5 mm jack
- ✓ Bluetooth
- ✓ 4-channel Dante™
- ✓ Internal mixing & DSP processing

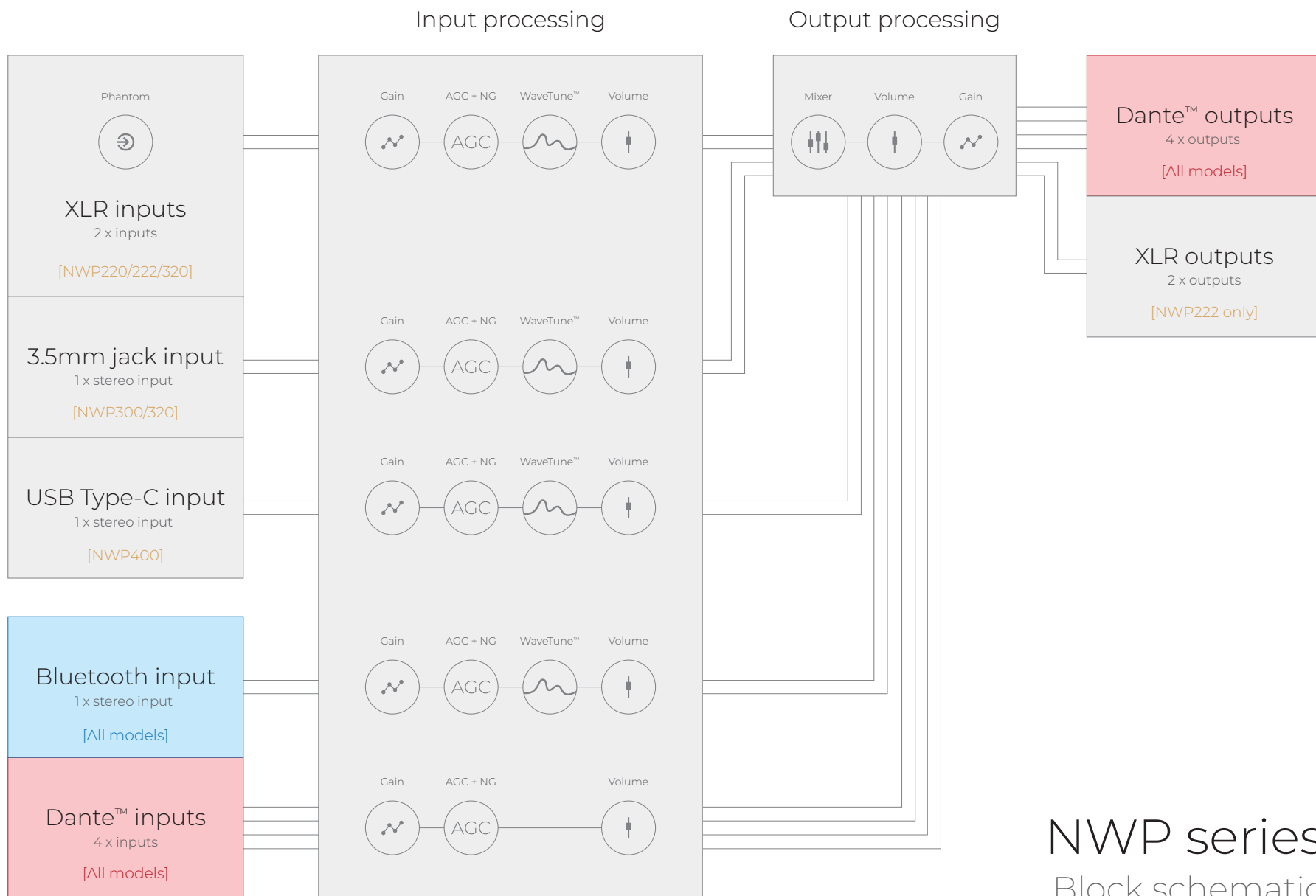


A brief overview


## Compare the NWP series

					
	NWP220	NWP222	NWP300	NWP320	NWP400
XLR Mic / Line inputs	2	2	-	2	-
Stereo 3.5 mm jack input	-	-	Yes	Yes	-
Bluetooth input	Yes	Yes	Yes	Yes	Yes
USB Type-C input	-	-	-	-	Yes
XLR Line outputs	-	2	-	-	-
Dante inputs	4 (mixing)	4 (mixing)	4 (mixing)	4 (mixing)	4 (mixing)
WaveTune™ input processing	Yes	Yes	Yes	Yes	Yes
Compatible with standard EU style wall boxes	Yes	Yes	Yes	Yes	Yes





NWP series  
Block schematic



# NPM200

## Dante™/AES67 paging console

The NPM200 is a Dante™/AES67-enabled PoE paging console that lets you make announcements and send commands over the network to trigger functions.

With Power over Ethernet (PoE) technology, this console can be easily connected to your network without the need for additional power cables, making it the perfect solution for busy offices and other professional environments.

Featuring a user-friendly interface and intuitive controls on a 3.5" touchscreen, the NPM200 allows you to easily manage audio paging and messaging. You can create and transmit pre-recorded messages or use the console's XLR input to make announcements in real-time.



PoE



Internal mixing & EQ



48V phantom power & XLR input (various microphones)

Audio transmission via Dante™/AES67

Fully flexible & configurable  
touchscreen (from AUDAC Touch™)

Visual user feedback (LED's)

Push to talk button

PoE powered



Integrated memory  
for recordings &  
announcements



Integrated filters  
and EQ



Support for 3rd  
party equipment  
commands



Custom  
dashboards with  
multiple panels

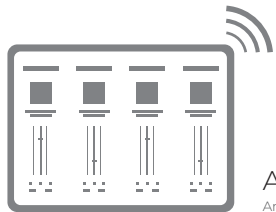


Control or trigger any  
functionality from  
AUDAC Touch™



Adidas Factory outlet | Berlin, Germany runs on AUDAC

# Decentralized TouchLink™ setup



**AUDAC Touch™**  
Amplify sound, simplify control

ZONE 1

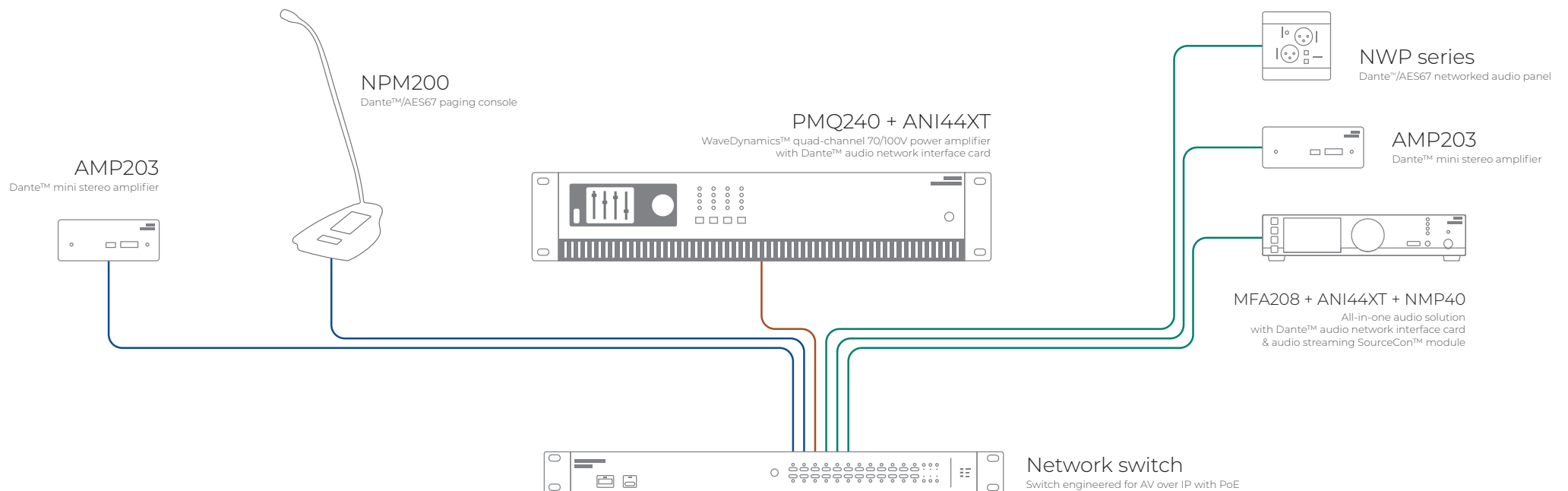
Counter

ZONE 2

Warehouse

ZONE 3

Storefront







# Centralized setup



**AUDAC Touch™**  
Amplify sound, simplify control

ZONE 1

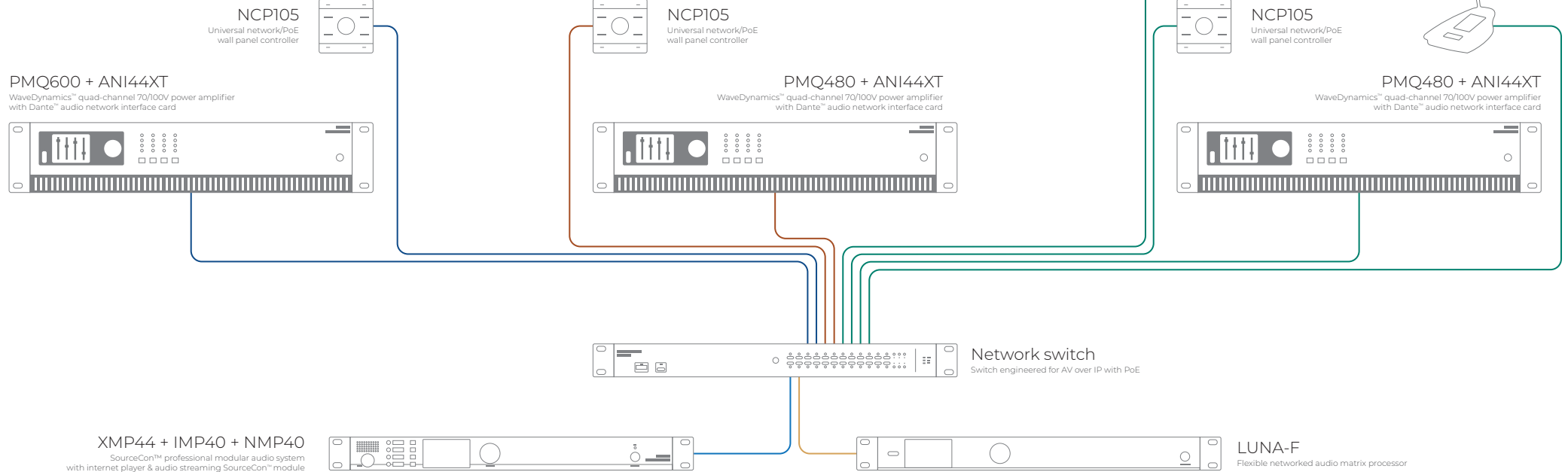
Production

ZONE 2

Warehouse

ZONE 3

Offices





# AUDAC Touch™

## Simplified design & system control platform

AUDAC strongly believes in out-of-your-pocket controllable audio solutions and further establishes its progressive position by developing the AUDAC Touch™ simplified design & system control platform. Using this freely available solution, application-specific dashboards can be created and customized, allowing the control of multiple devices from one single application.



Total system  
control



Automatic device  
discovery



Custom  
dashboards



Premium  
functionalities on  
demand



Freely  
downloadable

## Technology partners

At AUDAC, we are committed to providing our customers with the best possible products and services. To do this, we work with a variety of technology partners to access a wider range of expertise and capabilities.



**NETGEAR**

**audinate**

**SENNHEISER**

\* Note that your national legislation may be different for your territory, check the website for more information.



*Closed architecture*

*Open architecture*



## Empowering efficiency with intuitive control

# Flexible architecture

In today's fast-paced world, the ability to quickly and efficiently manage AV equipment is more important than ever before. Therefore, we want to evolve from a closed architecture, not to a completely open one, but to a flexible settings panel. Predefined settings & routing in a fully customisable and controllable view.



## User-friendly control dashboards For end users

Imagine full control over your AV system from the palm of your hand. A user-friendly interface allows you to quickly switch between audio sources and adjust the volume to create the perfect atmosphere for any occasion.

Whether you're in a restaurant, hotel, or conference center, AUDAC Touch™ makes it easy to manage not only your audio system, but also third-party devices like beamers, lights or every device that is controllable over the network.

- ✓ Intuitive full system overview
- ✓ Easy controllability of your entire installation
- ✓ Non-AUDAC products control (third-party support)
- ✓ Licensed streaming (Spotify™ and Soundtrack Your Brand©)





## Design, management & control For integrators

As an integrator, you know that the success of any audio installation depends on your ability to control and manage the system with ease and precision. That's where AUDAC Touch™ comes in, offering intuitive control over AUDAC solutions and third-party equipment.

Easily design, manage & control your entire AV installation, and fine-tune the equalizer settings to achieve the perfect sound reproduction in all kinds of applications. Set up dashboards in minutes, no complex programming skills needed!

Smart widgets ✓

Live audio control & processing technology ✓

Over-the-air updates ✓

No programming skills needed ✓

LUA scripting ✓

AUDAC Touch™ emulator ✓



# Premium licenses

## Enhance your AUDAC Touch™ experience

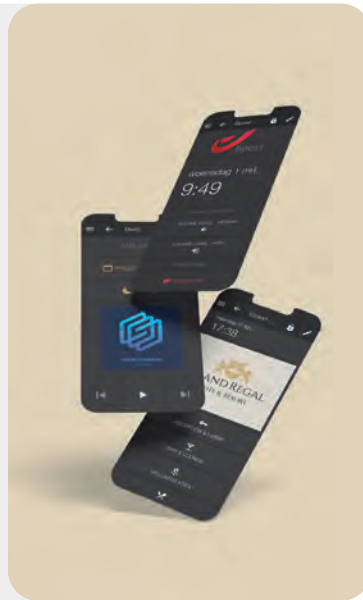
A variety of premium features that will enhance your experience and take your AUDAC Touch™ usage to the next level. While our free version provides a fantastic foundation, upgrading to premium gives you access to advanced features that will help you get the most out of our platform.

Find the expansion that is right for you

Enhance your Touch™ experience

### AUDAC Touch™ plus

- ✓ Ideal for end-users
- ✓ Additional functionalities
- ✓ More personalisation



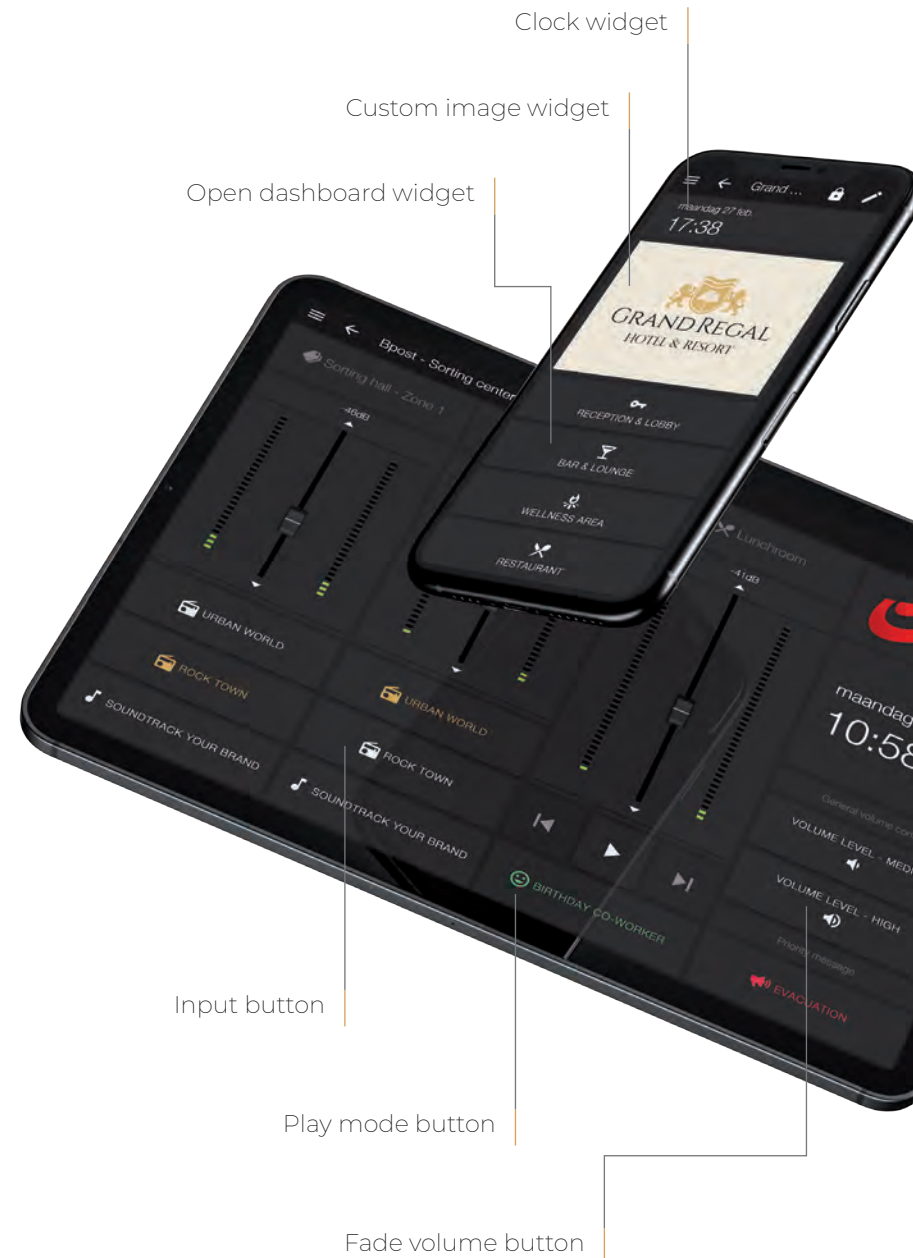
Integrate your PA system

### AUDAC Touch™ page

- ✓ Direct paging control
- ✓ Custom zone selection
- ✓ Trigger & choose voice files
- ✓ Custom paging widgets



	AUDAC Touch™ plus	AUDAC Plus™ page
Clock widget	✓	
Play mode button	✓	
Fade volume button	✓	
Custom image widget	✓	
Input button	✓	
Mute multiple outputs	✓	
Open dashboard widget	✓	
Play voice file	✓	
Advanced text	✓	
Dynamic voice file picker		✓
Paging widget		✓
Virtual APM targets toggle		✓



# AUDAC product families

An overview - Inspired by sound



## Innovative sound products



### Atellio family

Networked sound & control

- ✓ LUNA-F
- ✓ LUNA-U + ANM88
- ✓ NWP & NCP series
- ✓ AMP203
- ✓ SMA, SMQ & PMQ series + ANI44XT
- ✓ MFA series + ANI44XT
- ✓ XMP series + ANX44X
- ✓ VEXO series + ANI44XT
- ✓ More to come...



### Consenso family

Networked control

- ✓ MTX series
- ✓ ARU series
- ✓ MFA series
- ✓ M2
- ✓ XMP series
- ✓ AMP523
- ✓ APC100



### Sovenio family

Non-networked sound & control

- ✓ PRE series
- ✓ SCP, CEP & DPA series
- ✓ SMA, SMQ & PMQ series
- ✓ CAP series
- ✓ EPA & COM series
- ✓ ISP, MSP & TSP series
- ✓ AMP22
- ✓ AGP20, ATU44 & ALI20
- ✓ VEXO series
- ✓ ARESSA
- ✓ IMEO2
- ✓ NOBA8A

## Network control panels

- ✓ NCP series

### Network in- & output panels

- ✓ NWP series

### Network paging microphones

- ✓ NPM series

### Analogue wall inputs

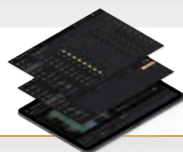
- ✓ WP2xx, WLI, WMI & MWX series

### Analogue wall inputs

- ✓ WP2xx series with 24V DC power supply (PSD241)

### Analogue wall controllers

- ✓ VC & MWX series



AUDAC Touch™





audac.eu

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