Inspired by sound

AUDAC

Index

1992	1993	1996	1998	1999	2001	2002	2003	2004	2005	2006	2007	2008	2010

launch of VC volume controllers

launch of MC microphone series

launch of BX and CX speakers

launch of CS ceiling speakers

launch of GIAN, AXEL, XENO and KYRA column speakers

launch of worlds first steerable line array of 8 meters in height

launch of APM and ARU series

launch of worlds' first web based multimedia matrix

launch of R1 web based zone matrix + WX speakers

launch of PX, RX and SX + KVDO, AXIR and GIAX speakers

launch of CPA and COM amplifiers + HS212 horn speakers

launch of PRE preamplifiers

launch of D, Q and T amplifiers

launch of CMX microphones

Inspired by sound

It is what we experience through our senses that makes life meaningful.

In fact, it can be said that through the qualities in speech and music we experience, we become familiar with the higher values of life.

This is just one of the reasons why at AUDAC you will find a passion for sound. Each speaker, audio matrix or amplifier solution we develop expresses that same inspiration and quality that exceeds users' expectations, making it no coincidence our success results from exploring new methods and ideas beyond conventional boundaries.

We design products that last. In the development process that takes place entirely in Belgium, we only choose high-quality components that guarantee a long product lifespan. The confidence we have in the quality of our solutions is reflected in our warranty policy.

3 YEARS WARRANTY
ON ELECTRONICS

5 YEARS WARRANTY
ON PASSIVE LOUDSPEAKERS

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021

launch of DPA and CAP amplifiers

launch of M2 multimedia digital audio mixer

launch of MTX multi-zone matrixes + XENO, ATEO and CELO speakers

launch of MPX paging series + SMA and SMQ power amplifiers

launch of modular music sources

launch of AUDAC Touch™

launch of COM104/108 amplifiers

launch of NOBA8 speakers

launch of CENA and CIRA ceiling speakers

launch of IMEO1 soundbar

launch of NMP40 network audioplayer AUDAC Touch™ 2, CELO8S ceiling subwoofer and AMP203 Dante™/POE amplifier

launch of MFA series amplifiers and ALTI pendant speakers

launch of ARESS4 speaker and launch of VEXO Dante™ speakers

3

AUDAC Experience Center

Education in combination with listening to feedback has led to the success of our partner network program and their references.

Together with our partners, we provide a unique service to all users, installers, engineering consultants and architects who come in contact with our innovative solutions.

Thanks to the AUDAC Experience Center that is located in Belgium, users and partners can experience our solutions in a very unique setting. Besides providing space for listening and demonstrations, it includes training areas to educate our partner network.

Want to find out more?

Visit audac.eu

AUDAC Touch™
## Amplify sound, simplify control

AUDAC Touch™ completely changes the way an environment can be operated. By offering a freely available out of your pocket total system solution not only the sound system can be operated very easily, but third party equipment such as projector screens/lights can be controlled effortlessly as well. Audiovisual users choose AUDAC Touch™ because they can fully personalize their own dashboard and add and control audio sources or streaming services such as Spotify.

With the needs of our users always in our minds, we have ensured that AUDAC Touch™ goes far beyond the functionalities of the automatically recognized products.

Visit audac.eu/touch for more information.

Total system control
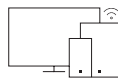
Automatic device discovery

Custom dashboards

Drag and drop any widget from any device onto your dashboard. It's that simple!
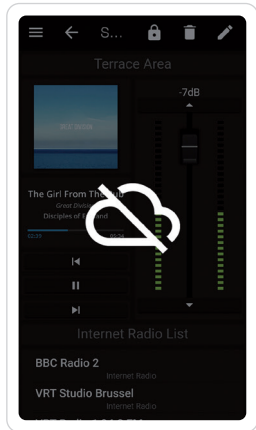
"AUDAC Touch™ is the connection between audio- lighting- video- and automation systems. The ease-of-use in control of audio sources and volume control makes the application suitable for every project."

Dominic van der Heiden, AudioBizz Benelux

Most unique features

*Discover what AUDAC Touch™ can do for your installation*

Direct mode

We have introduced an offline mode which enables you to control and configure AUDAC devices without authenticating to AUDAC Touch™ Cloud allowing you to:

✓ Control & configure installations without the need for an active internet connection

✓ Setting up quick and easy offline demos at customers

✓ Setting up installations at companies with strict IT requirements
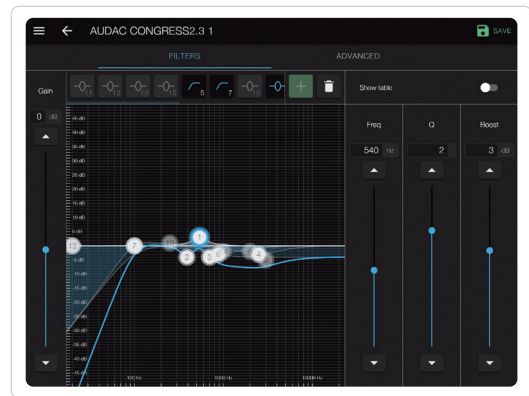
## Full WaveDynamics™ integration

The WaveDynamics™ configurator, our tool in the AUDAC system manager to quick and easy edit presets is now available in the application. Therefore, it's now possible to carry out the following actions directly in the application:

✓ Import & export SOL and SPF files as presets

✓ Access to AUDAC SOL files directly

✓ Edit and configure presets
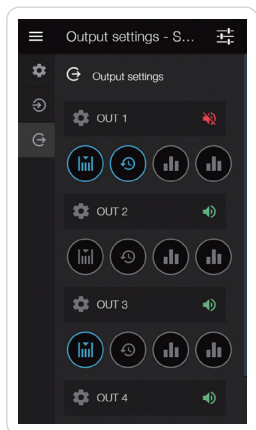
Total system control

By using AUDAC Touch, you can configure all your devices from one central location. The app automatically scans for all devices in your network after which you can easily adjust the necessary settings.
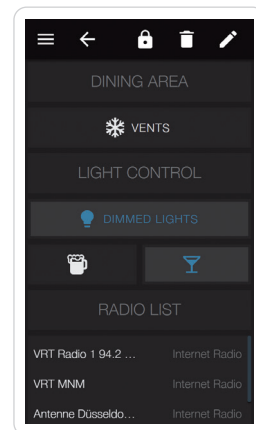
Commander control

3rd party equipment commands now can get implemented through TCP, offering countless possibilities for expansion of your AV system to become a total system control platform. If your devices don't have a TCP port but it does have an RS232/RS485 port you can use an APC100 as a bridge control.

100% customizable

Select your widgets

Output widget

Input selection and output volume adjustment is made possible through graphical slide faders combined with drop down menus.

Licensed streaming*

The NMP40, a professional audio streaming SourceCon™ module for Spotify™ and Soundtrack Your Brand© is now supported, allowing you to easily integrate and control both streaming services from within the application.

Control each zone

Control audio players and other serial communication supporting devices, such as WaveDynamics™ amplifiers.

Adaptive dashboard

Fully flexible positioning and scaling allows you to design and group your dashboard according to your own preferences. Custom naming offers an intuitive and user friendly interface according to project specific requirements.

Now playing

Currently playing media player information including album covers and additional carried information can be displayed on the main dashboard. Additional widgets for control can be separately selected.

Commander function

Relay unit controls can get implemented, offering countless possibilities for expansion of your AV system to become a total system control platform.

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

9
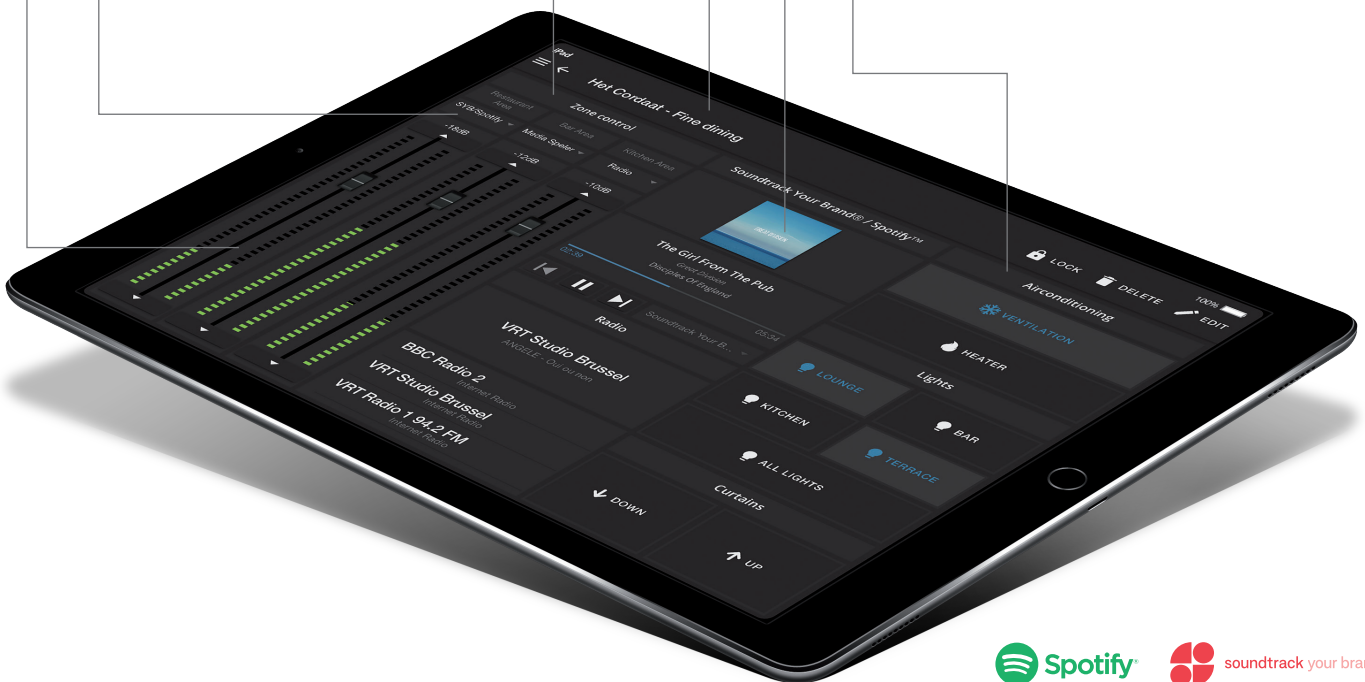
TouchLink™

Decentralize your audio solutions

TouchLink™ is an ingenious system that can be used for creating virtual zones by linking multiple compatible devices with each other. In AUDAC Touch™ or directly on the device you can select multiple amplifier channels that should react to the user as one zone.

Main functionalities

Setting up (virtual) zones by grouping devices

Share input, volume & mute settings across these devices

Priority settings

Setting up (virtual) zones

So how does it work? In AUDAC Touch™ or directly on the device you can select up multiple compatible devices or outputs that should react to the user as one zone by assigning it the same TouchLink™ zone ID (e.g. 1, 2, 3, …). All devices with the identical TouchLink™ ID will virtually work as one zone. Compatible devices are the AMP203, which has network functionality built in by default but also the following devices when equipped with the ANI44XT Network interface:

✓ MFA series   ✓ SMA series   ✓ SMQ series   ✓ PMQ series   ✓ VEXO series   ✓ More to come

MFA208
All-in-one audio solution

AMP203
Dante™ mini stereo amplifier

AMP203
Dante™ mini stereo amplifier
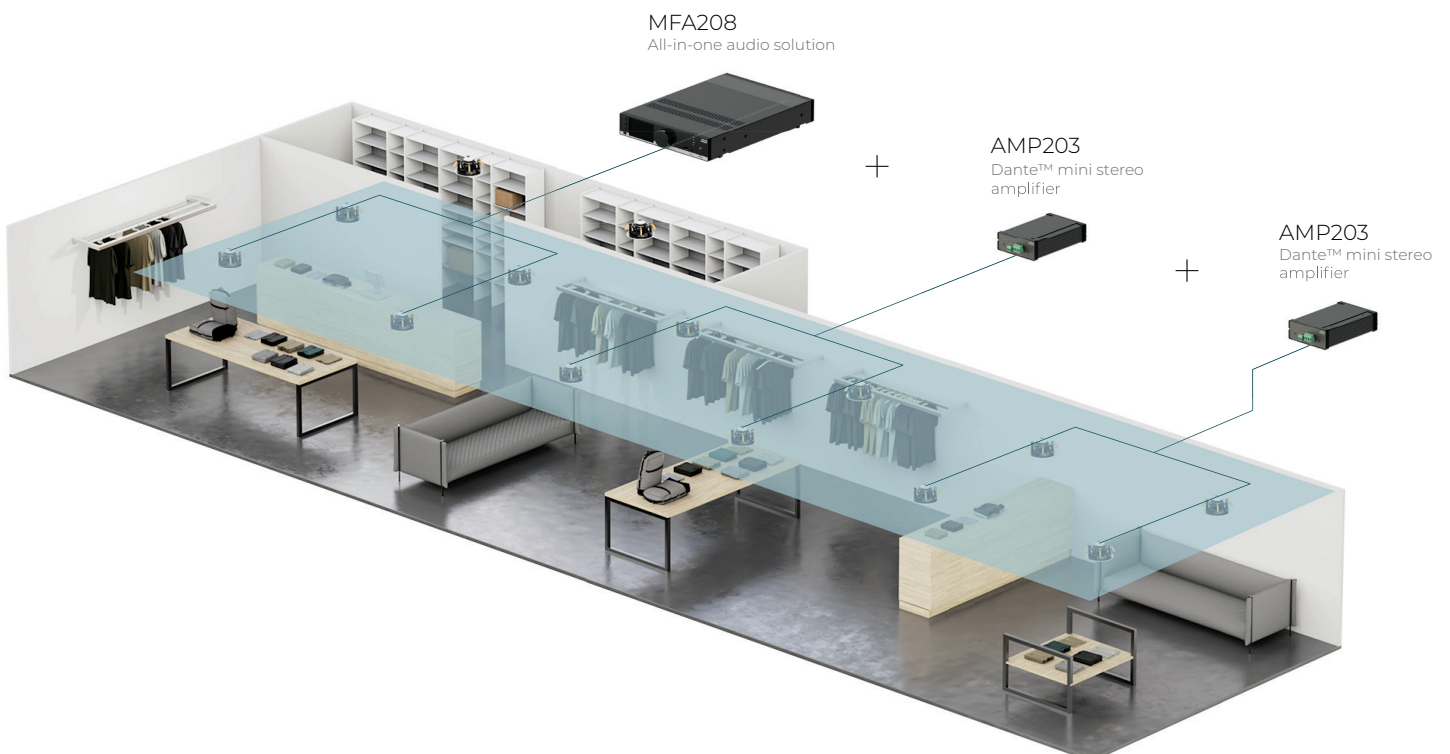
Share input, volume & mute settings

In these virtual zones, you can share the inputs, volume & mute settings between the different devices so that they actually act as one (physical) zone. To counteract the possible differences in amplifier power, you can set volume offsets for each unit. This will set a constant difference in volume that will be maintained even if the overall volume of the zone is changed.

As mentioned, all inputs can be shared with the devices in the Touchlink™ zone. Keep in mind that it is important that the input lists are the same: On all the devices you will have to map the same inputs but of course it is possible that local input 1 on one device is the same as Dante™ 1 on another device. Additionally, a wall panel that is physically connected to one of the linked devices will automatically control all the linked devices.

Priority settings

Last but not least, you can also send priority messages using the MFA to these Touchlink™ zones. Just set up the priority settings on the different devices within the zones after which they can be triggered by any input such as Dante™, SourceCon™ and more. When a priority is activated, the current input stops and the priority message starts playing on all the different devices. Additionally, you can set a different volume and/or offset of all the devices to ensure good intelligibility.

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

Zone 1 Zone 2 Zone 3 Zone 4 Zone 5 Zone 6 Zone 7 Zone 8 PFL AUDAC MTX88

VOLUME
INPUT
BASS
TREBLE

MATRIX SYSTEMS

Innovative, expandable and powerful, these comprehensive solutions are suited for practically all multi zone audio applications.

M2
Multimedia digital audio mixer

230 Volt | 24 Volt | SD card | USB | TCP-IP | RS232

M2 functions

Limiter | Feedback Reduction | input Mixing | Voice File | Audio Delay | 7 Band EQ

Limiter / automatic gain control

The M2's on-board processor is equipped with automatic gain control functionality allowing the sources level to be adjusted in different ways. One possibility configures a maximum input level and reduces it when exceeding the configured level. Another option is to configure a fixed level whereby the gain is dynamically controlled so a constant output volume is achieved. This is ideal for applications with various audio sources or when radio stations with different levels are connected. This function can also be configured as a noise gate reducing hum and feedback which cuts the signal when not in use.

Feedback reduction

Microphones connected to the M2 using one of its 8 balanced inputs can benefit from the

M2's signal processing to reduce or eliminate feedback. With a flexible system such as the M2, it is important that it can be used to its full potential without feedback. For example, when a microphone is connected for an unannounced speech, you no longer have to worry about unwanted feedback. The M2 makes sure that the speaker only has to focus on his speech.

Input mixing

The M2 allows any number of inputs to be mixed, letting you combine one or multiple microphones with other audio sources in a single zone. The talk over function even dynamically lowers the volume for a certain source when other selected sources are activated. For instance by having the music level lowered when a microphone is in use.

Built-in voice file interface

Prerecorded messages and signals can be played directly from the SD card slot on the front of the unit and recalled by either timed actions, triggered actions or control buttons such as those on an AUDAC APM paging console. This can be used for applications such as an automatically triggered doorbell or evacuation.

Audio delay

Playing intelligible audio messages in exceptionally large spaces calls for specialized measures and the M2 is up to the task. In large venues such as arenas or train stations, sound often takes over a second to reach its audience. By using a custom delay, the M2 can assure that each zone plays with a progressive delay, assuring that your message comes across, even to the people in the back.

M2 functions

Digital Audio Filters   Lockable   Timed Events

Timer scheduling

An internal real-time clock holds the actual time and date. This gives you the possibility to create specific time schedules. The actions that can be programmed are changing the routing of a signal, adjusting the volume of a zone, muting or editing the paging volume.

Single actions at a certain date and time or actions which repeat regularly (every day or week) can be programmed. A total of up to 256 timer presets can be made. For example, this can be useful when installed in a shop: the system turns on in the morning, turns off at night and remains off during the weekends.

Priority inputs

Two audio priority inputs and two priority contact inputs are provided. Depending on the configuration, 4 priority signals can be used. The actions that need to happen when a priority signal occurs can be freely programmed. It can switch automatically to the priority audio inputs when an audio signal is applied or the internal routing can be adapted when a signal is available on the contact inputs. Each of the normal inputs can also act as priority inputs.

Internal DSP signal generator

An internal DSP signal generator is provided which is able to produce sinusoidal signals with an adjustable frequency, white noise signals and pink noise signals.

Zone linking

Two or more zones can be linked so that they use the same source, volume, etc. This linking can be automatically activated using priority contacts so that multiple zones become linked when, for instance, a separating wall is removed.

Freely programmable DSP filters

It is possible to add a filter with freely selectable rollover frequency for up to 4 output channels. The rollover frequency is selectable between 10 Hz and 22 kHz and the filter response is selectable between a high pass filter, a low pass filter and a band pass filter. The filter settings can easily be made in the graphical user interface. When a subwoofer is connected, no more external crossover processor is needed.

① Remote control & RS232

The main remote control input is an RJ45 connector which should be connected to a LAN network. This makes it possible to control the M2 system using AUDAC Touch™.

The RS232 connector can be used to control the M2 with external controllers. This allows you to control the system using hardware from other manufacturers like home or industrial automation systems.

② Peripheral interfaces

10 RJ45 connectors are provided for expansion with additional wall control panels and in- and output modules. All these connectors contain RS485 control signals so they allow you to control the amplifier from multiple locations. 8 of these connectors are capable of carrying bi-directional digital audio transfer signals for expansion of the input channels and remote output duplication.

③ Link in- and outputs

An optional link in- and output allows connection of multiple matrix systems in cascade. This way, audio channels can be transmitted over fiber and installations can be extended over large distances (optional OPT2).

④ Priority & contact inputs

Two priority audio inputs are provided, as well as 2+8 input contacts which can be used for triggering a wide variety of actions such as playing voice file messages, recalling mixing presets or relays triggers. A new option allows that the 8 physical contacts are virtually doubled with the use of positive and negative flank triggering.

⑤ Input 1-8 / Output 1-8

The M2 offers 8 balanced stereo inputs that are all software selectable between line and microphone level. A 9th input can be selected from 4 stereo line inputs, useful for switching between multiple sources with a single application such as video or radio.

The M2 also offers a relay output with NO and NC contacts for each of the 8 output zones. These can be used for bypassing analog volume controllers and much more such as activating emergency lights when a message is played, powering up beamers or operating automated curtains.

When the optional power amplifier kit is installed, each zone has an amplified stereo audio output with a power of 2 x 60W at 4Ω.

| Inputs	Outputs	Controls	Height	Dimensions	Weight
8 line/micbalanced line 1 switchable line in 8 wall panel 2 priority	8 balanced line (optionally powered with POW2)	RS232, Ethernet, Wall panel, Display (M2DIS), Contacts	3 HE	482 x 132 x 350 mm	8.4 kg

M2
Peripheral devices

DW5066
Digital all-in-one wall panel

Whether it is for local audio source/volume control or for full installation/scene selection management, the DW5066 is a user-friendly interface peripheral for M2 matrix systems. In addition, built-in RCA line source inputs and an XLR microphone input (15V phantom power available) are locally mixable, the signal of which can be patched to any output zone. These inputs may also be configured as outputs.
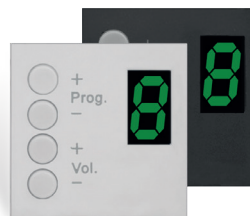

DW3020
Wall panel controller

The DW3020 is a flush mount wall panel controller for the M2. They can control standard functions of a specific output zone such as audio source selection and volume control.

It is designed for AUDAC cover plates or standard 45 x 45 mm installation materials.

For a variation of installation accessories, see

Internal expansion modules
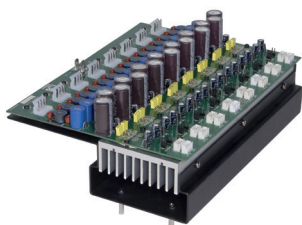
POW2
Power amplifier kit

This optional kit for M2 devices offers an integrated power amplifier solution with an output power of 16 x 60W (or 8 x 120W when bridged), powering your speakers without requiring any external amplifiers. Additional amplifier (external) expansion is still possible, if any zone / output requires a higher power handling.

OPT2
Optical fiber kit

This optional module allows signal exchange between various devices, allowing expansion of the number of outputs / zones, including the possibility for covering large distances in big scale projects. A total of 8 stereo channels can be transmitted over a distance up to 1.000 meters. Connections are made using duplex multi mode fiber fitted with ST/PC plugs.

AUDAC Touch™

Full system control is made possible using the Audac Touch™ application. This multi-platform compatible application allows integration of various product types including audio players, matrix systems or any other supported products with each other. A wide variety of controls can be merged together as widgets in one dashboard, including output volume controls, source selection, radio station or track control, relay unit & relay unit toggle control,... . Indicator widgets allow monitoring of currently playing tracks or complete playlists.

M2

Example residential configuration

The image below shows the digital multi zone audio mixing system being used in a residential environment but can also be quickly adjusted to work in a small shop or office area.

Two XMP44 devices are shown here, representing the possibility for adding any kind of audio source or media player to the system. Besides the available options, also computer, TV or even mobile devices can be connected as an audio source.

Adding a DW3020 to each zone makes it possible to adjust the audio input and volume without the need of a WiFi signal or network connection. Expansion is even possible by the use of a DW5066 which makes us add extra audio inputs to the system that can only be used local or by the entire home.

The M2 power amplifier kit, an optional extra to the system, provides each zone with its own 60W stereo output.

By combining the M2's voice file function with the contact triggers and the back of the unit we can make a doorbell that can have priority of any audio in any room of the home.
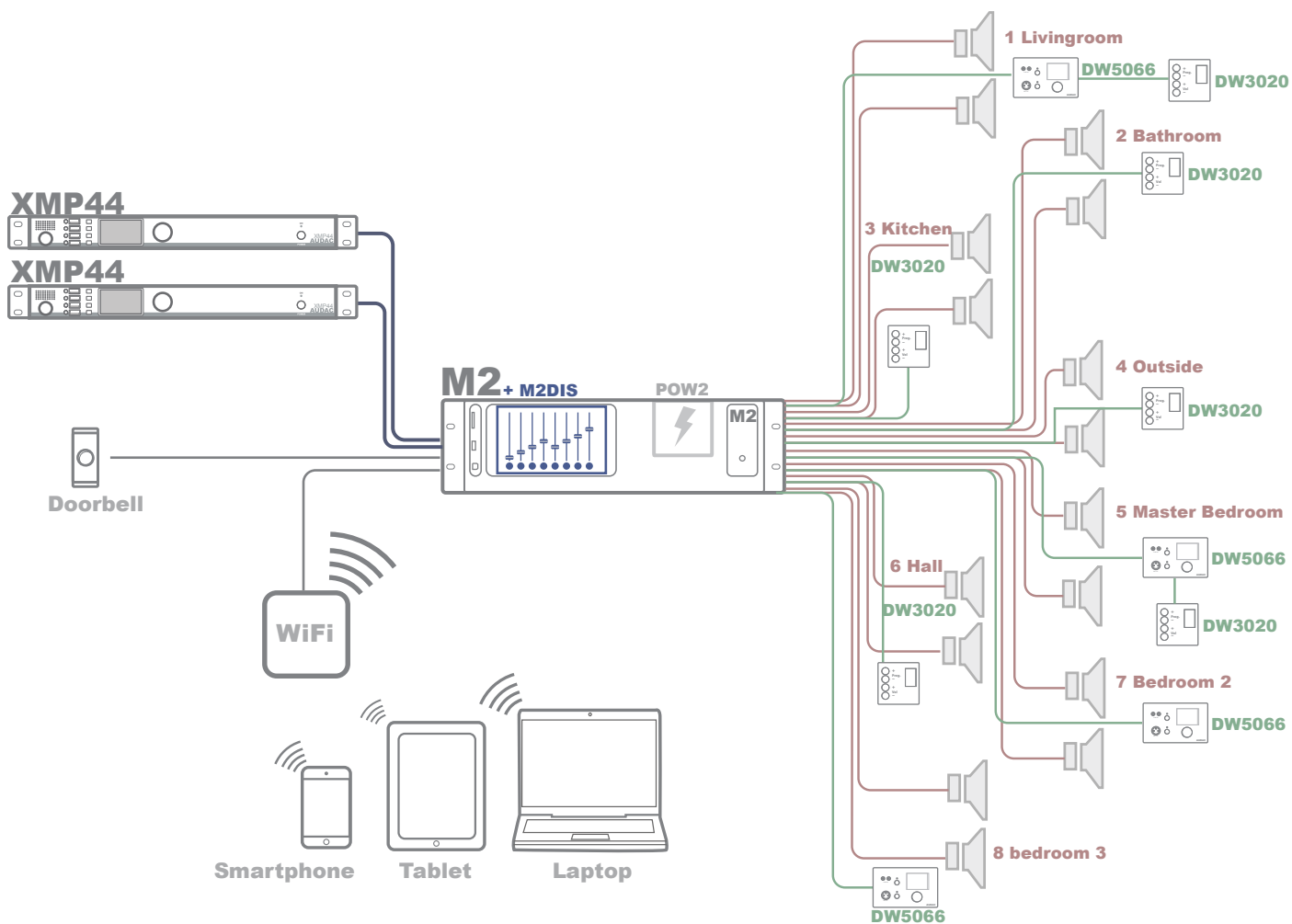
APM series
Digital paging microphones

The AUDAC APM paging system is designed to fulfill all your paging needs. It handles priority calls, dispatching and even evacuation messages.

Reliability, versatility and usability are the major goals during the development of the APM paging system.

The result is a system that is fully controllable and configurable through the AUDAC Touch™ user interface of the AUDAC M2 matrixes and APC100MK2 configuration & control unit. Because changes are easy to make and can be made from any ethernet-connected computer, the APM offers the ideal solution for a wide variation of paging systems.

The system has a fully modular structure which means that it can perfectly be extended or cascaded to create an infinite number of configuration possibilities while keeping further expansion and growth in mind.

There are also some additional features provided like "Multiple Ding-Dong" and a "Voice File Interface". The "Multiple Ding-Dong" means that the user can create custom chime tunes, which can be played before the spoken message is spread. The "Voice File Interface" allows the user to upload messages to the APM paging microphone. Up to 30 different voice files with a total length of 10 minutes can be stored. The voice files can be triggered by pushing one of the freely programmable buttons on the APM console or by pre-programmed event (configuration through APC100MK2).

The communication between the APM consoles is done by a databus, which also provides the necessary power supply. Indication leds are applied to tell the user if the databus is occupied.

The housing of the paging consoles is made of sturdy steel and is equipped with three colour illuminated LED push buttons which provide a clear overview of the functions.

The connections for the databus are made with a UTP CAT6 cable with RJ45 connection plugs. When using multiple paging microphones in one system, the additional ARJ03P junction box has to be used.

Typical application
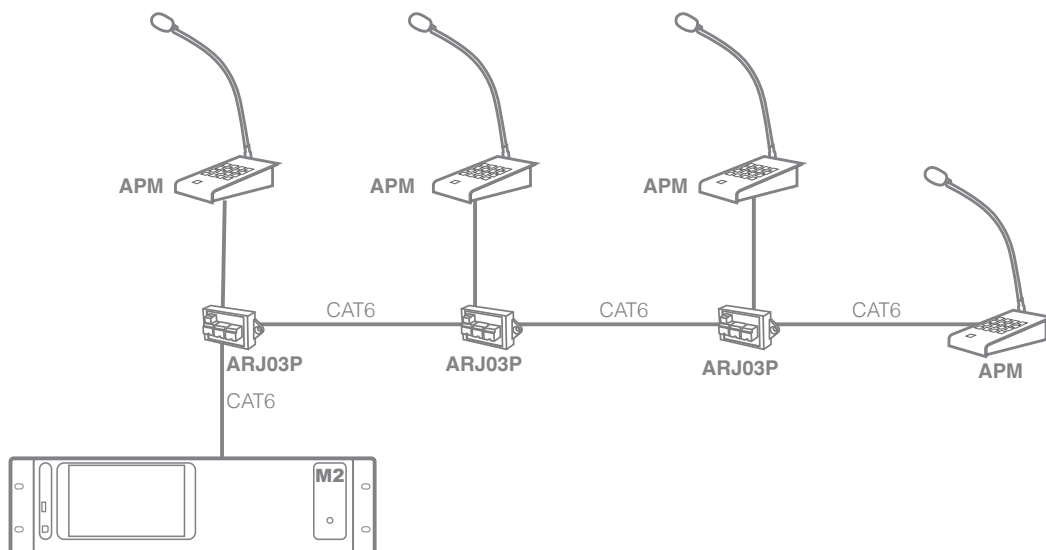
The APM1xx series consists of digital paging microphones with a variation of programmable function / zone selection buttons, from 1 up to 16. They can be used in combination with various types of audio equipment, including matrix systems (both analogue and digital) and relay units.

Programmation allows configuration of standard functions such as zone select, push-to-talk or relay activation, while advanced function such as voice-file playback are also possible. Using 3-layer programming, a maximum of 39 programmable zones / functions can be achieved (APM116MK2).

An internal memory allows storage of voice-file messages, while a compressor/limiter with automatic gain monitors the microphone level and controls the output level of the unit. The functioning of the device and communication is monitored and indicated on the front panel.

✓ Freely programmable configuration

✓ Internal memory for ding-dong / voice file

✓ Analogue & digital audio transfer

✓ Cardioid gooseneck microphone (35 cm)

✓ Solid metal base

APM101MK2

1 function button

APM104MK2

4 function buttons

APM108MK2

8 function buttons

APM116MK2

16 function buttons

High quality back electret condenser microphone with cardioid pickup pattern.
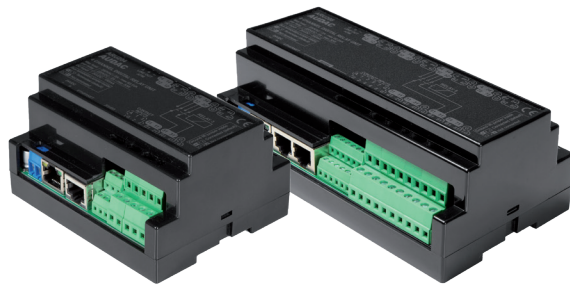
Labelable & illuminated buttons for clear monitoring

RJ45 connection for audio, data and power transfer over CAT6 cabling.

ARU2 series
Relay groups

ARU204
4 switching relays

ARU208
8 switching relays

AUDAC Touch™ compatible

The ARU20x is especially designed with flexibility and functionality in mind. Various ways of switching the 4, 8 or more relays are provided, these include the integrated web interface, optional paging consoles and analog contact triggering making the ARU20x AUDAC's smartest and most innovative relay modules.

With this ingenious device, switching between audio sources, signal routing, and even customized automation setups are obtainable. The bipolar relays allow switching of balanced mono signals as well as unbalanced stereo signals. Normal open and normal closed contacts are provided as well.

Thanks to its modular nature, the ARU20x is perfectly suitable for small home or retail applications as well as big installations. There is no limit to the amount of ARU's connected to one system. The TCP-IP allows controlling the ARU2xx over an existing ethernet network through an integrated HTML5 webserver, achieving full control via any connected PC, laptop or smart device. Two RJ45 connectors are provided allowing you to link multiple ARU modules.

The front of the black ABS housing provides a brief overview of its connection possibilities, while the back is equipped with a spring mount mechanism allowing easy mounting on widely available standard DIN rails. This way it's possible to easily integrate it in any electrical cabinet.

✓ RS485 & TCP/IP controllable

✓ Modular DIN-rail enclosure

✓ AUDAC Touch™ supported

✓ Pre-programmed relay tiggering

✓ Custom web interface

✓ On/Off/Pulse (ms) functionality

Web control (HTML5)

A progressive approach on the user friendly, accessible web interface in combinations with features such as timed events, delayed relay switching and more resulted in an all-round applicable solution for systems where quick and simple control is needed. Windows, Mac OS, Linux, Android and iOS is supported without any installed applications or web plugins.
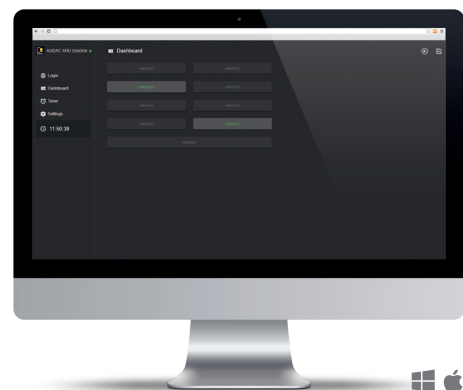
ARJ & ARP series
## Wall junction boxes

ARJ

The CP45xxARJ is an RJ45 wall connection plate which can be used as wall outlet for any communication bus transmitted over 4-pair (8-conductor) twisted pair cabling. Examples are TCP/IP networks or the connection of a digital paging microphone to an outlet socket.

The device can be connected to the front using standard patch cables, while the 8-pin terminal block connector on the rear allows connectivity to integrated wiring. The terminal block connector guarantees a stable connection with minimal required built-in depth and the possibility for linking through to a second device or junction box.

A 24V connection allows you to connect an external power supply in case the distributed voltage does not suffice for the chosen distance and two jumpers allow termination of the audio or databus at its characteristic impedance.

ARP

The CPxxARP wall junction boxes offer the same functionality as the CPxxARJ boxes, but also include a built-in repeater that increases the maximum transmission distance for digital audio transmissions from 300 meters up to 600 meters.
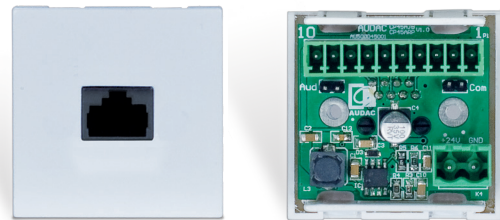
BTicino Livinglight

CP43ARJ/W	43 x 43 mm, white
CP43ARJ/B	43 x 43 mm, black
CP43ARP/W	43 x 43 mm with repeater, white
CP43ARP/B	43 x 43 mm with repeater, black

AUDAC, Niko

CP45ARJ/W	45 x 45 mm, white
CP45ARP/W	45 x 45 mm with repeater, white
CP45ARP/B	45 x 45 mm with repeater, black

ARJ03P
Junction boxes
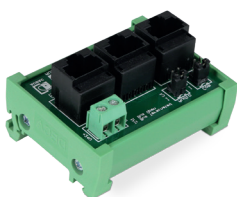
The ARJ03P junction boxes can be used for cascading multiple peripheral devices on a databus. It features an input, output and linkthrough RJ45 connector. Two jumpers allow easy termination at the characteristic impedance of the databus. A terminal block connector allows the connection of an additional 24V power supply. This can be required when the voltage at the end of the databus becomes insufficient due to the voltage drop across the cable (with long cable length).

Example setup in an industrial setting

Below we can see an example setup using three units in a medium-sized business.

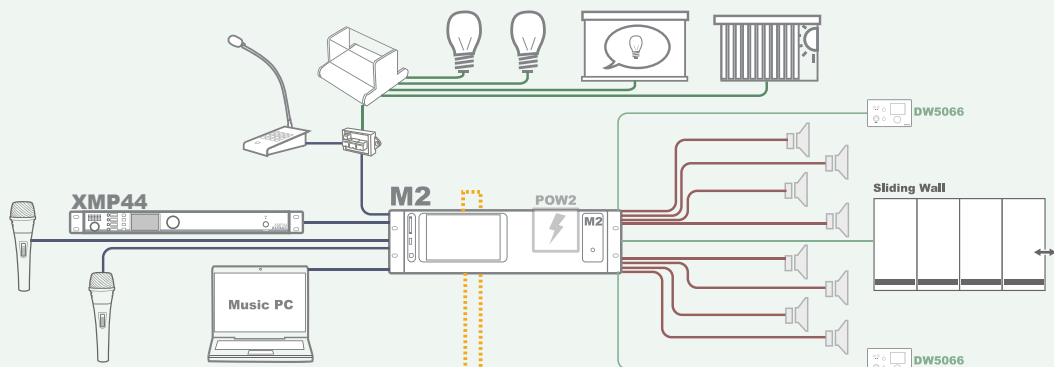The main building offices are equipped with one R2 unit where to four XMP44 devices are connected. This represents the possibility for adding any kind of audio source or media player to the system which can be distributed over the entire facility.

Each zone in the building has its own local DW5066 wall panel for adjusting local zone settings according to their own preference or adding music locally using the RCA and XLR inputs to the system. A paging console is positioned near the front desk. The warehouse has paging consoles set up across the building

for easy communication between various parts of the supply and processing chain. Paging calls can be made globally or to specific departments. Local music choice and volume can be edited using DW3020 wall panels.

Finally the meeting room and its surrounding offices have a more advanced setup. Not only does the room have a powered M2 connected with two wall panels, but a microphone and paging console is also setup to control lighting, projectors and window blinds using ARJ and ARU relay switching system. Computers throughout the building allow authorized personnel to access the matrix unit's advanced options.

Meeting Room

XMP44
M2
POW2
M2
DW5066
Sliding Wall
Music PC
DW5066

Main Building Offices

XMP44
XMP44
XMP44
XMP44
M2
M2
Laptop
CPA 12
CPA 12
CPA 12
CPA 12
CPA 12
CPA 12
DW5066
DW5066
DW5066
DW5066
DW5066
DW5066

Warehouse

M2
M2
CPA 12
CPA 12
DW3020
DW3020
DW3020
DW3020
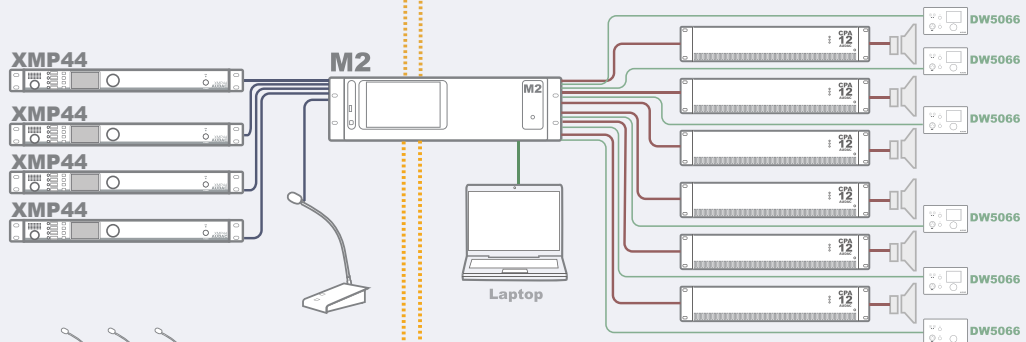
APC100MK2
Universal configuration & control unit

The APC100MK2 is a configuration and control unit which can be used in combination with a wide variation of 'smart' AUDAC devices, ranging from matrix systems and mixers to paging consoles and wall panels.

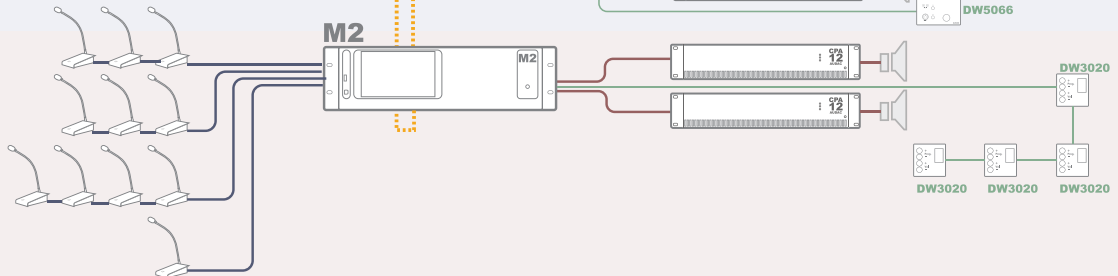It features different types of communication ports, such as TCP/IP, RS232 & RS485. This way, it can communicate with every 'smart' device connected in your installation and establish the missing link between them.

This makes the installers' life easier and time saving. Complex system configurations and updates can be made in a moment, as well as back-ups and duplicates. Specific files such as voice-file messages and screensavers can be uploaded without requiring no more than the APC100MK2 and a computer. An internal real-time clock allows synchronizations for time controlled events in external devices (when synchronized with internet time server).

The AUDAC system manager software application allows the user to manage and control APC100MK2's functions together with full configuration functionalities for any 'smart' connected devices (through TCP/IP, RS232 or RS485).

In addition, it can also be used as a standard gateway receiving serial communication and converting into TCP/IP format and reversed. This allows system integration for devices such as audio sources & power amplifiers without integrated network capabilities to be implemented into your automation system. The configurable baud-rate offers compatibility with a wide variation of different products and brands.

Example setups
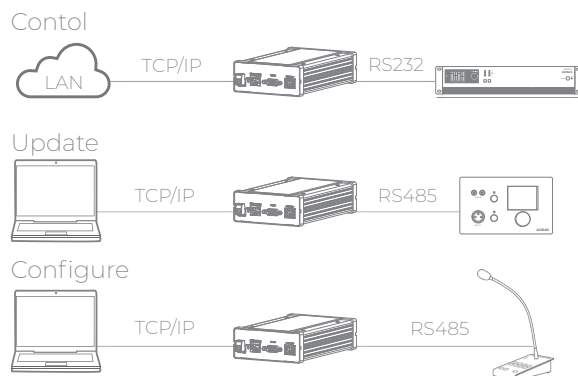
Contol

TCP/IP — RS232

Update

TCP/IP — RS485

Configure

TCP/IP — RS485

Optional mounting bracket

Compatible with a variation of MBS1xx series installation accessories, see page 179 of this catalogue for more details.

Total system control

Complete WaveDynamics™ integration in AUDAC Touch™

A new approach to configure your installation

We have integrated most of the functionalities of our products with a Flash web interface into AUDAC Touch™. So now you have the full flexibility to fully control our hardware from one location. This also means that we are prepared for the end of the support for Flash by Adobe.

Total system control

All Matrix systems, audio players and other serial communication supporting devices in combination with APC100 gateways are supported.

Complete WaveDynamics™ integration

The WaveDynamics™ configurator, our tool in the AUDAC system manager to quick and easy edit presets is now available in the application. Therefore, it's now possible to carry out the following actions directly in the application:

✓ Import and export SOL and SPF files as presets

✓ Access to AUDAC SOL files directly

✓ Edit and configure presets

MTX series
Multi zone audio matrix

| 230 Volt | 24 Volt | TCP-IP | RS232 |

The MTX series are cost effective multi zone audio matrix systems with advanced control possibilities, comprehensive configuration and multiple expansion capabilities. The availability of two different models with 4 or 8 output zones make them the ideal solution for a wide variety of applications.

System control is easily achieved on the front panel thanks to the ScrollPush™ control and PFL speaker, or by using the integrated web-server which can be connected to any LAN network, allowing full system control from any TCP/IP supporting device. The compatibility

with AUDAC Touch™ enables you to create a total system control platform, while RS232 allows interconnection with 3rd party automation systems.

Microphone or line level signals can be connected to both balanced Mic/Line inputs with priority, phantom power and 3-band tone control, while four RCA inputs allow connection of stereo line-level sources. Additional / local inputs for each zone can be connected using additional wall panels which also include remote control possibilities when required.

MTX48
4-zone audio matrix

1. RS232 & TCP/IP control port
2. Wall panel inputs & zone outputs
3. 4 stereo line inputs
4. 2 balanced microphone inputs

MTX88
8-zone audio matrix

✓ 24 Volt power connection

✓ Built-in PFL speaker

✓ Priority audio inputs with phantom power

✓ Priority mute contact input

	Inputs	Outputs	Controls	Height	Dimensions	Weight
MTX48	2 mic, 4 line 4 wall panel	4 balanced stereo line, 4 zones	RS232, Ethernet, Wall panel, front	2 HE	482 x 88 x 335 mm	4.75 kg
MTX88	2 mic, 4 line 8 wall panel	8 balanced stereo line, 8 zones	RS232, Ethernet, Wall panel, front	2 HE	482 x 88 x 335 mm	4.84 kg

Example setup

Below we have the multi zone audio matrix being used in an office area.

Two XMP44 devices are shown here, representing the possibility for adding any kind of audio source or media player to the system. Besides the available options, also computer, TV or even mobile devices can be connected as an audio source.

Computers throughout the building allow authorized personnel to access the matrix unit's advanced options or you can control the system by using your iPad or iPhone.

Two handheld microphones can be connected for e.g. presentations but you could replace these for a table top microphone or the MPX paging microphone.

All rooms inside the building have been given their own wall panel controls and extra audio inputs. This has been done in two ways, firstly by installing an MWX65 or by placing an MWX45 with line or microphone wall inputs.

Don't forget these wall panels can combine together as you can see in the meeting room and main office.
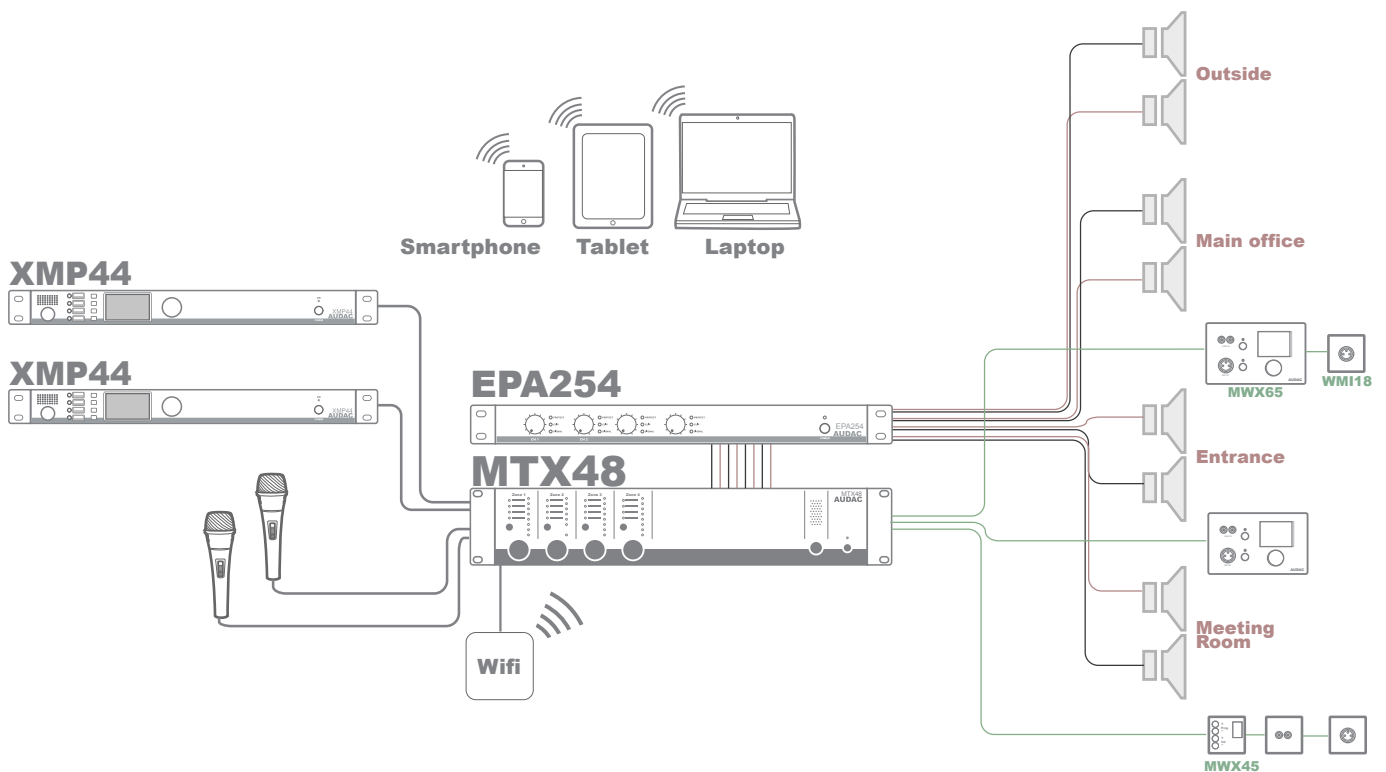
MTX series
Peripherals and controllers

Designed to be used in combination with the MTX multi zone audio matrixes, these peripherals provide the additional features necessary to locally expand your system.

MWX45   WMI18   WLI18

Wall panels

Whether additional connectivity or controllability is required, these wall panels are instantly installed and only require a minimum of configuration. Simply connect them to your system using standard CAT5E (or better) wiring (up to 300 meters).

MWX45 : zone selector and volume control
WMI18 : XLR microphone input
WLI18 : RCA Line input

Available sizes
45 x 45 mm : MWX45, WMI18, WLI18

MWX65

Connect and control your audio from any location you desire. This panel is both easy to install and configure. For added comfort, a built-in 2.5" display in combination with a ScrollPush™ control not only enables source selection and volume control but also opens other features of the MTX matrix. For local microphone and/or line level source applications, the panel is equipped with a mic and unbalanced stereo line input that can be locally mixed using the two volume dials. The MWX65 can also be linked through with a WMI and MWX45 wall panel and are available in black (/B) and white (/W).

AUDAC Touch™ 2

Full system control is made possible using the AUDAC Touch™ application. This multi-platform compatible application allows integration of various product types including audio players, matrix systems or any other supported products with each other. A wide variety of controls can be merged together as widgets in one dashboard, including output volume controls, source selection, radio station or track control, relay unit & relay unit toggle control, ... Indicator widgets allow monitoring of currently playing tracks or complete playlists.

MPX series
Paging units

These paging microphones are designed as a 'plug and play' paging solution to work in combination with the MTX multi zone audio matrixes.

This elegant and unobtrusive microphone will fit perfectly into any environment. Selecting zones is made comfortable and intuitive thanks to the SurfaceTouch™ capacitive touch buttons integrated below its glass surface. To ensure calls come through as intended, integrated status LEDs display selected zones as well as the databus status. To ensure perfect intelligibility, a tiltable pipeneck microphone with a cardioid pickup pattern is provided as well as an integrated chime tone that can be played before each announcement. Connecting the paging microphone to the matrix is achieved with a provided fixed CAT5 cable of 2 meters. This distance can be extended to maximum 300 meters using CAT5E (or better) twisted pair cabling. For slightly larger systems, cascading several stations is possible using the priority-based databus in combination with optional junction boxes.

✓ Capacitive touch buttons

✓ Integrated chime

✓ Priority-based paging

✓ Selection & status indication LEDs

MPX48
4-zone paging microphone
for MTX48

MPX88
8-zone paging microphone
for MTX88

M2
Multimedia digital audio mixer

Inputs	8 Balanced stereo line or mic inputs + 4 stereo unbalanced line (selectable)
Wall panel inputs	8
Priority inputs	2 Balanced priority audio inputs, 2 Priority contact inputs & 4 software configurable priorities (all inputs)
Outputs	8 balanced stereo line outputs
Phantom power	48 V
24V emergency power	✓
Multiple input mixing	✓
Automatic level control	✓ input
Built-in voice file interface	SD card
Preprogrammed events	256
Zone linking	✓
Mono/Stereo switching	✓
Digital audio filters	input / output
Talk over (ducking)	✓
DSP power	high
Input EQ	7-Band
Output EQ	7-Band & 2-Band
Audio delay	up to 2000 ms
Feedback reduction	✓
Output & global Scenes	8
Output names assignment	✓
Test signal generator	✓
RS232 control port	✓
RS485 peripheral ports	10
Integrated webserver (TCP/IP)	✓
Dry contact outputs	8 x NO & NC
Dry contact inputs	10
Front panel control	optional (M2DIS)
Peripheral expansion ports	10 (free configurable)
Paging console connectivity	✓
7" Touchscreen display kit	M2DIS (optional)
Power amplifier kit	POW2 (optional)
Optical fiber kit	OPT2 (optional)
Wall panels	DW5066 + DW3020/4020
AUDAC Touch™	✓

MTX88
8-zone audio matrix

MTX48
4-zone audio matrix

	MTX88	MTX48
Inputs	2 mic, 4 unbalanced stereo line wall panel	2 mic, 4 unbalanced stereo line wall panel
Wall panel inputs	8	4
Priority inputs	Mic 1 & 2 & priority mute contact	Mic 1 & 2 & priority mute contact
Outputs	8 balanced stereo line outputs, 8 zones	4 balanced stereo line outputs, 4 zones
Phantom power	18 V	18 V
24V emergency power	✓	✓
Multiple input mixing		
Automatic level control		
Built-in voice file interface		
Preprogrammed events		
Zone linking		
Mono/Stereo switching	✓	✓
Digital audio filters		
Talk over (ducking)		
DSP power		
Input EQ	3-Band (Mic 1+2)	3-Band (Mic 1+2)
Output EQ	2-Band	2-Band
Audio delay		
Feedback reduction		
Output & global Scenes		
Output names assignment	✓	✓
Test signal generator		
RS232 control port	✓	✓
RS485 peripheral ports	9	5
Integrated webserver (TCP/IP)	✓	✓
Dry contact outputs		
Dry contact inputs		
Front panel control	✓	✓
Peripheral expansion ports	8 (one for each zone)	4 (one for each zone)
Paging console connectivity	✓	✓
7" Touchscreen display kit		
Power amplifier kit		
Optical fiber kit		
Wall panels	WLI + WMI + MWX65 + 45	WLI + WMI + MWX65 + 45
AUDAC Touch™	✓	✓

PREAMPLIFIERS & MIXERS

Versatile audio signal preamplification and mixing solutions offering unmatched and intuitive controllability.

PRE1xx series
Stereo preamplifiers

Its simple but versatile design makes the PRE series a multifunctional solution for installations where multiple voice and music sources need to be mixed to one or two (only PRE126) output zones. The stereo design with six inputs allows connecting any type of audio source such as microphones, a Bluetooth signal and balanced or unbalanced line level sources.

Channels one and two are balanced inputs, allowing the connection microphone and line level sources. They feature 3-band tone control, phantom power and talk over for priority announcements. The other inputs are one balanced and three unbalanced stereo line inputs allowing connection of any line level audio sources.

An integrated Bluetooth receiver and a front panel 3.5mm jack offers convenient wired or wireless connection possibilities for mobile and portable devices including laptops, smartphones and tablets.

A master volume control for the output(s) including 2-band tone control and LED VU bar is located on the front panel, also accommodating each inputs mixing dial. On the back of the preamplifier is a priority mute contact that suppresses all (non-priority) music sources in case of contact closure, allowing linking autonomous alarm systems.

PRE116
6-channel stereo preamplifier

1 Balanced stereo line output(s)

2 3 unbalanced stereo line inputs

3 Balanced stereo line input

4 2 Balanced microphone inputs
   with Prio, talkover and 3-band tone control

PRE126
Two zone 6-channel stereo preamplifier

✓ 3.5 mm Jack input on front

✓ Integrated Bluetooth receiver

✓ Priority mute contact input

✓ Extension antenna available (see page 181)

	THD+N	Signal / Noise	Frequency Response	Dimensions	Weight
PRE116	< 0.05 dB (mic) < 0.01 dB (line)	> 80 dB (mic) > 100 dB (line)	20 Hz - 20 kHz	482 x 44 x 335 mm	3.75 kg
PRE126	< 0.05 dB (mic) < 0.01 dB (line)	> 80 dB (mic) > 100 dB (line)	20 Hz - 20 kHz	482 x 44 x 335 mm	3.80 kg

PRE2xx series
Stereo preamplifiers

Bluetooth

The PRE2xx series pre-amplifiers are solutions for applications where a large number (up to 8) of microphones (or other mono balanced audio inputs) need to be mixed to two (PRE220) or four (PRE240) output zones. The multifunctional stereo design with a total of 10 inputs allows connection for any type of audio source such as microphones, Bluetooth devices or line level audio sources.

Channels one up to eight are balanced inputs, allowing the connection of microphones or line level audio sources with the ability of enabling 48V phantom power to each input. They feature 3-band tone control and talk-over for priority announcements. The other two (9 and 10) inputs are unbalanced stereo line inputs allowing connection of any type of line level audio source.

An integrated Bluetooth receiver and a front panel 3.5mm jack offers convenient wired or wireless connection possibilities for mobile and portable devices including laptops, smartphones and tablets.

The front panel includes a master volume control with 2-band tone control and LED VU bar for each output. Each input section is accommodated with input mixing dials and output selection switches.

A priority mute for each zone output suppresses all (non-priority) music sources in case of contact closure, allowing linking autonomous alarm systems.

PRE220
Two zone 10-channel stereo pre-amplifier

(1) Balanced stereo line outputs (up to 4)

(2) 2 x Unbalanced stereo line input

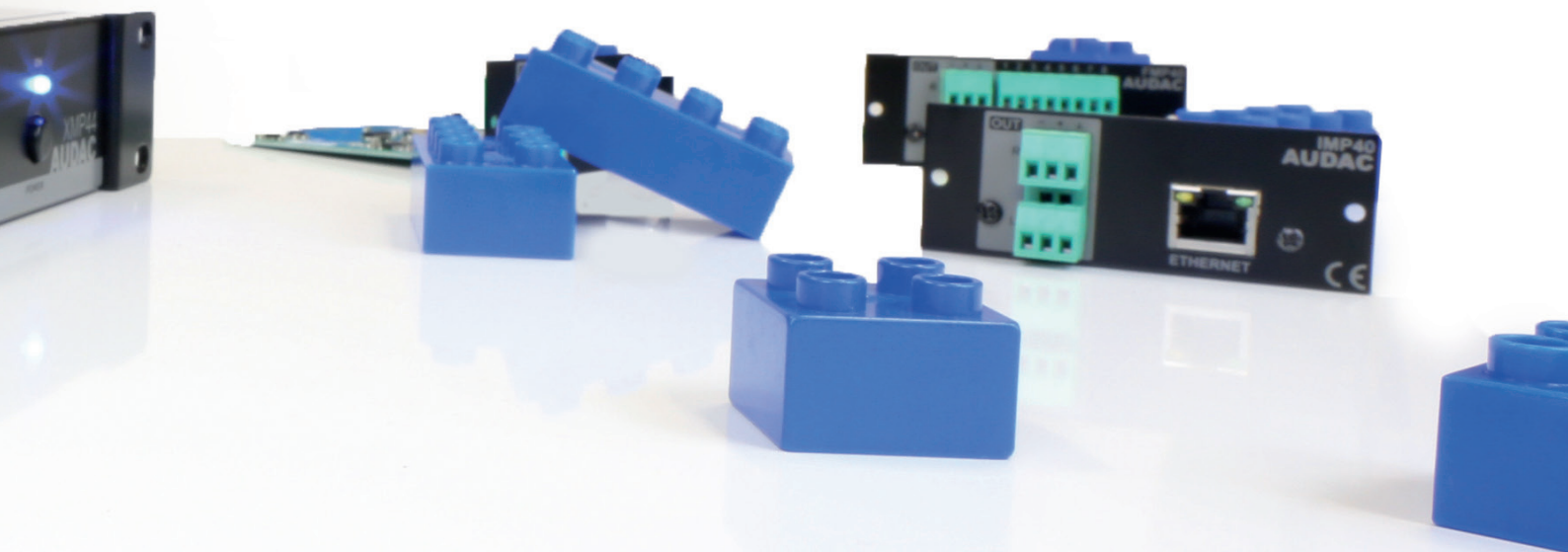(3) 8 x Balanced line / mic inputs with talkover, phantom (48V) & 3 band tone control

PRE240
Four zone 10-channel stereo pre-amplifier

✓ 3.5 mm jack input on front

✓ Integrated Bluetooth receiver

✓ Priority mute contact input

✓ Extension antenna available (see page 181)

	THD+N	Signal / Noise	Frequency Response	Dimensions	Weight
PRE220	< 0.05 dB (mic) < 0.01 dB (line)	> 80 dB (mic) > 100 dB (line)	20 Hz - 20 kHz	482 x 88 x 335 mm	4.25 kg
PRE240	< 0.05 dB (mic) < 0.01 dB (line)	> 80 dB (mic) > 100 dB (line)	20 Hz - 20 kHz	482 x 88 x 335 mm	4.40 kg

DAB/FM tuner

FM 94.00
Editors - An end has a start

FM/DAB

1 2 3 4 5 6 7 8

UPDATE

PFL

FUNCTION

OUT
- + ⊥
R

TMP40
AUDAC

ANTENNA

CE

MUSIC SOURCES

AUDAC pays great attention to their multimedia sources. The development of cutting edge digital audio technology has led to a complete range of sources that will inspire you.

Why not have it all?
Audio players reinvented

AUDAC Touch™

Full system control is made possible using the AUDAC Touch™ application. This multi-platform compatible application allows integration of various product types including audio players, matrix systems or any other supported products with each other. A wide variety of controls can be merged together as widgets in one dashboard, including output volume controls, source selection, radio station or track control, relay unit & relay unit toggle control, ... Indicator widgets allow monitoring of currently playing tracks or complete playlists.

Internet	Media	Voice File	Bluetooth	DAB

XMP44

Professional modular audio system

USB | TCP-IP | RS232 | Dante™ Option available

① ②

③ ④

An audio player fulfilling specific needs of any user sounds hard to achieve. With this modular audio system, a fully flexible structure with 4 slots is at your disposal. Each slot allows implementation of any available module, selectable between FM tuners, DAB&DAB+ tuners, contact & time triggered voice file interfaces as well as internet audio players and USB media players/recorders. This results in a solution that will live up to the needs of any user that takes high regard of crystal clear audio reproduction.

Thanks to the 2.8" TFT display and the push rotary dial on its front, an unmatched user experience is achieved. In combination with 4 tactile pushbuttons even unexperienced users can make adjustments and custom configurations with great ease. A USB interface for each module (4 in total) allows playback or storage of media & voice files, while pre-listening for each output is made possible through a built-in speaker.

The XMP44 is both RS232 and TCP/IP controllable allowing implementation with home & industrial automation systems. Using the freely available application AUDAC Touch™, control and configuring can be done from any portable device on any location and at any time.

① Built-in pre-listening speaker

② USB interface for each module slot (4x)

③ RS232 and TCP/IP remote control connections

④ SourceCon™ module slots (4x)

✓ Fully flexible modular structure

✓ Stores up to 4 SourceCon™ modules

✓ 2.8" TFT display with intuitive user interface

✓ Control through front panel & AUDAC Touch™

✓ Dante™ option available

SourceCon™ modules

SourceCon™ technology guarantees true plug and play implementation to any compatible device, allowing your media player to be tailored to fit any specific application. The wide variation of compatible modules and extensive configuration possibilities allows flexible combinations for any application.

Installation is done by sliding the modules into guide rails, while connections are made using board-edge connections. This allows simple and fast installation without requiring additional internal wiring or complex configuration. When inserted to a supporting slot, the module is instantly installed, discovered and ready for operation.
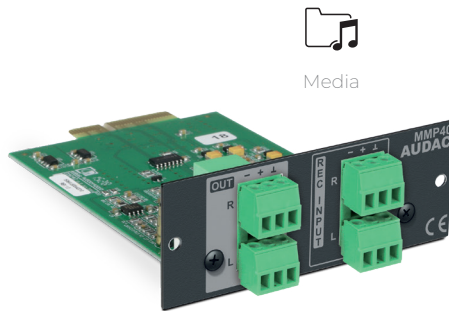

Media

Voice
File

MMP40
Media player & recorder module

✓ Audio playback & recording

✓ MP3, WMA, WAV, FLAC, OGG & AAC playback

✓ MP3, WAV & OGG recordings

✓ USB media support (storage & playback)

✓ Repeat & random, single & continuous play
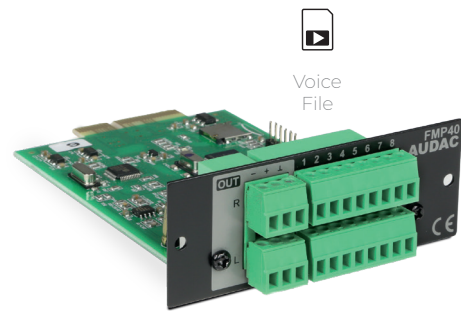
FMP40
Voice file media player module

✓ External (USB) & internal (Micro SD) media support

✓ MP3, WMA, WAV, FLAC, OGG & AAC playback

✓ 15 trigger contact inputs (NO/NC configurable)

✓ 50 programmable triggers (timer and/or contact)

✓ Momentary / continuous contact triggering

✓ Trigger voice files using the clever web interface

Bluetooth

DAB
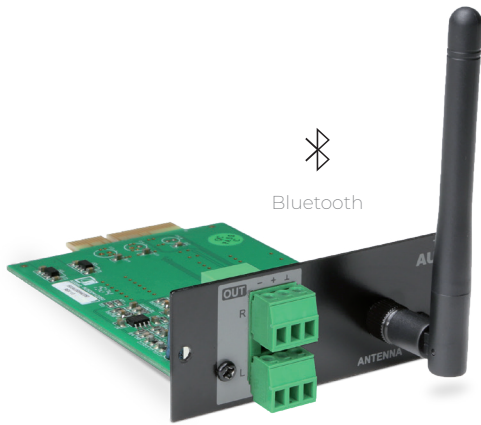
BMP42
Bluetooth module

- ✓ Long distance Bluetooth transmission
- ✓ Pairing protection
- ✓ External & removable antenna
- ✓ Bluetooth version 4.2
- ✓ Custom device ID naming
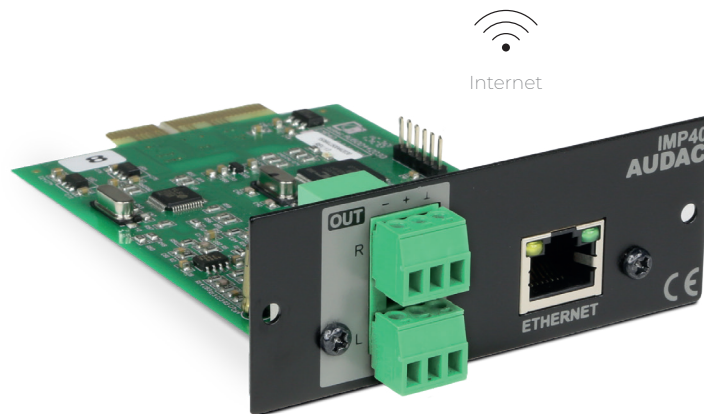- ✓ Extension antenna available (see page 181)
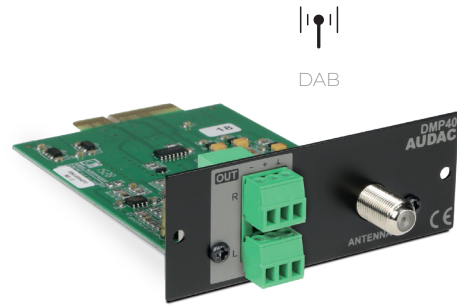
DMP42
DAB/DAB+/FM tuner module

- ✓ DAB/DAB+/FM support
- ✓ RDS / Radiotext station information
- ✓ Preferential station storage (10 entries)
- ✓ Signal strength indication
- ✓ Splitter ASK40S available (see page 181)

IMP40
Internet audio player module

Internet

The IMP40 is a professional internet audio player module featuring unique Linum™ technology. This eliminates any unwanted behaviour such as sudden channel hopping or music stops. If any connection interruption occurs, the music playback will automatically switch to the inserted media carrier (USB drive) which avoids unpleasant silences or timeouts in background music applications. When the connection is recovered, the audio stream will be automatically and seamlessly restored afterwards.

It synchronizes with the vTuner database which contains over 30.000 channels, allowing selection on different criteria such as genre, location, language, ... while preference lists with a maximum up to 100 entries can be made. Custom audio streams can be added, allowing implementation of typical internet radio stations or broadcast audio streams for commercial, retail or public announcements.

✓ Linum™ technology

✓ vTuner database sync (30.000+ Channels)

✓ MP3, WMA & AAC radio station support

✓ USB media player backup (connection interruption)

✓ Custom audio stream selection

NMP40

SourceCon™ Network audio player module

The NMP40 SourceCon™ Network audio player module enables the possibility to stream audio files from a personal computer or mobile device directly to a professional audio system while maintaining the best available sound quality.

Compatible with various streaming technologies like SoundTrack Your Brand© and Spotify™ Connect you can stream music straight to your professional sound system directly from the cloud while using only your computer or mobile device as a controller. This avoids any unwanted interruptions and maintains higher sample rates.

NMP40 also supports streaming services that cover your music royality*, so you can also set the right ambient in all types of public places.

AUDAC has started a collaboration with Soundtrack Your Brand®, a Spotify-backed music streaming company which focusses on the selection and streaming of licensed music in stores, companies and other public places.

With the NMP40 AUDAC will take the lead in the AV industry to provide you with a professional streaming solution that implements this new streaming technology.

- ✓ Licensed streaming for business*

- ✓ SourceCon™ technology

- ✓ Plug and play installation and setup

- ✓ AUDAC Touch™ compatible

- ✓ Maintain high sample rates

- ✓ Multi device compatibility

- ✓ Enjoy continuous music

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

ANX44X
Audio network interface 4 in / 4 out

The ANX44X is a Dante™ audio network interface for installation in the XMP44 professional modular audio system, featuring four input and four output channels. The installation of this optional module allows the XMP44 to be integrated into any Dante™ enabled AV network and flawlessly transfer digital audio with any compatible product on the market.

The bi-directional audio exchange with the 4 SourceCon™ interface card slots allows distribution of the audio stream from the installed modules, allowing any radio tuner, media player, internet radio or other audio source distribution throughout your Dante™ network.

A true plug and play solution is created when linking multiple Dante™ enabled devices with each other on a standard IP network. It offers self-configuring solutions by using DHCP configuration, while the connection can be made to any existing 100 Mbit or 1 Gbit network infrastructure.

Bi-directional signal transmissions with a sampling frequency of 48 kHz and a bit depth of 24 bit are simultaneously possible on all in- and output channels, while guaranteeing an incredibly low latency with a maximum up to 5 ms (depending on the network occupation).

The ANX44 comes delivered as an installation kit, including all required accessories for integration into the XMP44 chassis. Installation shall be performed by qualified technicians.
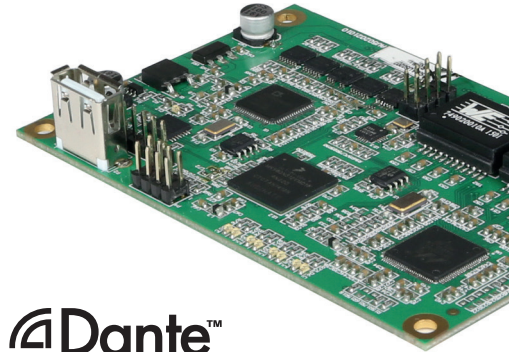
✓ Integration into XMP44 chassis

✓ 4 input & 4 output channels

✓ 48 kHz / 24 bit digital audio transfer

✓ Compatible to any Dante™ enabled device available on the market

✓ True plug & play solution

✓ Automatic device discovery & simple graphical routing

RMT40
RF Remote control
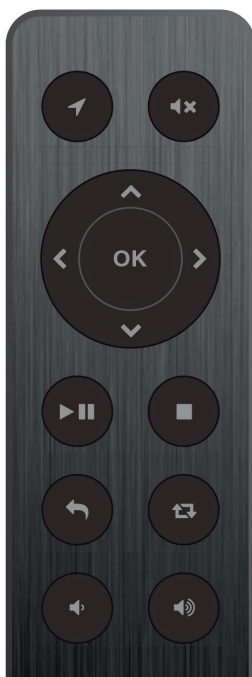
The RMT40 is a remote control allowing operation of various audio source devices. The 2.4 GHz wireless technology features a transmission distance of up to 10 meters, allowing out of sight operation with great advantage compared to regular IR systems. It includes a USB type receiver which shall be plugged into the supporting USB slot on the receiving device.

✓ 2.4 GHz wireless RF technology

✓ Multifunctional operation

✓ ~ 10 meter transmission range

✓ Out of sight operation

✓ Including USB receiver

MSP40
Media player / recorder

USB | RS232

The MSP40 is a professional media player/recorder supporting a wide variation of compressed and lossless audio formats. Playback of MP3, OGG, AAC, FLAC, WMA and WAV is possible in numerous bit rates, while recordings are possible in MP3, OGG and WAV file types.

Both the balanced stereo line output (playback) and the balanced stereo line input (recording) are implemented on its panel, using two 3-pin terminal block connections.

Thanks to the 2.8" TFT display and the push rotary dial on its front, an unmatched user experience is achieved. In combination with 4 tactile pushbuttons even unexperienced users can make adjustments and custom configurations with great ease. Implementation with home & industrial automation systems is made possible through an RS232 remote control port.

1. RS232 remote control and USB (update) connections

2. Balanced stereo line output (terminal block)

3. Balanced stereo line record input

✓ Audio playback & recording

✓ MP3, WMA, WAV, FLAC, OGG & AAC playback

✓ MP3, WAV & OGG recordings

✓ USB media support (storage & playback)

✓ Repeat & random, single & continuous play

Compatible with RMT40 remote control

ISP40
Internet audio player

TCP-IP | RS232

① ② ③

The ISP40 is a professional internet audio player featuring the unique Linum™ technology. This technology is setting new standards in the world of internet audio players eliminating any unwanted behaviours such as sudden channel hopping, while seamlessly restoring audio streams after power or connection interruptions. Selections on different criteria such as genre, location, language, ... can be made out of over 30.000 channels using the **vTuner** database, while custom streams can also be added to preference lists with up to 100 entries.

Thanks to the 2.8" TFT display and the push rotary dial on its front, an unmatched user experience is achieved. In combination with 4 tactile pushbuttons even unexperienced users can make adjustments and custom configurations with great ease. Implementation with home & industrial automation systems is made possible through an RS232 remote control port.

① RS232 remote control and USB (update) connections

② Balanced stereo line output (terminal block)

③ RJ45 Ethernet connector

✓ Linum™ Technology

✓ **vTuner** database sync (30.000+ Channels)

✓ MP3, WMA, radio station support

✓ Custom audio stream selection

✓ Preferences list up to 100 entries

Compatible with RMT40 remote control

TSP40
FM tuner

① ② ③

The TSP40 is a professional tuner with worldwide FM band support (64-108 MHz) featuring a great signal reception with high-quality audio reproduction. Radio stations can be selected through manual or auto tuning, while preferred channels can be internally stored and easily recalled. Radio station information carried by RDS is displayed on the front panel, while other functions as mono/stereo switching always guarantee the best possible audio clarity.

Thanks to the 2.8" TFT display and the push rotary dial on its front, an unmatched user experience is achieved. In combination with 4 tactile pushbuttons even unexperienced users can make adjustments and custom configurations with great ease. Implementation with home & industrial automation systems is made possible through an RS232 remote control port.

① RS232 remote control and USB (update) connections

② Balanced stereo line output (terminal block)

③ F-Type antenna connection

✓ Worldwide FM band support (64-108 MHz)

✓ RDS station information

✓ Manual and auto tuning

✓ Preference station storage

✓ Signal strength indication

✓ Individual traffic volume control

Compatible with RMT40 remote control

AMPLIFIERS

High efficient multi-channel amplifiers for low impedance and 70-100V applications where single or multi zone coverage is needed.

OUT 1 OUT 2 OUT 3 OUT 4
INPUT 1 INPUT 1 INPUT 1 INPUT 1
- 0dB - 0dB - 0dB - 0dB

FUNCTION

Prot
Clip
-20dB
Sig

CH1 CH2 CH3 CH4

OUT 1 OUT 2
INPUT 1 INPUT 1
- 0dB - 0dB

FUNCTION

Prot
Clip
-20dB
Sig

CH1 CH2

MFA series
Commercial all-in-one amplifiers

The MFA series are commercial all-in-one audio solutions, offering true all-in-one solutions for countless applications, ranging from small bars & restaurants to medium sized retail stores, corporate installations, sports facilities and many more. The integrated two-channel amplifier can be used in low impedance stereo systems while bridging merges the output power to be used in constant voltage 70V/100V distributed audio systems.

This combined with the integrated SourceCon™ module offers the most compact and versatile audio system including audio source, processing, matrix system and amplification in a single and compact housing.

AUDIO SOURCE

AUDIO PROCESSOR

AUDIO MATRIX

AUTOMATION SYSTEM

AMPLIFIER

USB

TCP-IP

This all-in-one solution is designed as a two-channel amplifier using class D amplifier technology. It can be used for powering low impedance stereo systems with a maximum power of 2 x 80 Watt, while bridging to a constant voltage (100V and 70V) is possible with a maximum output power of 160 Watt. A switch-mode power supply allows a wide variation of mains voltages for global compatibility.

The integrated SourceCon™ module slot allows the implementation of any available compatible module, offering a true all-in-one solution. Typical applications are the implementation of an audio streaming module or internet radio module.

Additionally, a stereo line input allows connection for any kind of external audio sources. A balanced mic/line input allows connection for an announcement microphone with compatibility for condenser microphones using the integrated phantom power supply (15V). A priority switch overrides the background music

when enabled and compatibility with line-level sources (e.g. voice file players) is guaranteed by wide gain adjustment (0 dB ~ +50 dB).

Thanks to the 2.8" TFT display and the push rotary dial on its front, an unmatched user experience is achieved.

The MFA series are both RS232, RS485 and TCP/IP controllable allowing implementation with home & industrial automation systems and peripheral devices. Using the freely available AUDAC Touch™ application, control and configuration can be done from any portable or non-portable device on any location and at any time.

Desktop installation or mounting in an equipment rack using the MBS1xx series (optionally available, see page 173) mounting adapters is possible. The half 19" rackspace enclosure allows single installation in a 10.5" equipment rack, or side-by-side (two devices) in a 19" equipment rack.

1. TCP/IP, RS232 & RS485 remote control/peripheral connections

2. 1 Stereo (4Ω) or Mono (70V/100) amplified output + line/pre-amp output (configurable)

3. SourceCon™ Module slot (optional)

4. Balanced microphone input with priority and phantom power and unbalanced line input

✓ TouchLink™ compatible

✓ Integrated SourceCon™ module slot

✓ Control through front panel & AUDAC Touch™

✓ Advanced DSP and speaker management

✓ WaveDynamics™ compatible

✓ TCP/IP, RS232, RS485 and Dante™ (optional) compatible

	Stereo @ 4 Ω	Stereo @ 8 Ω	Bridge @ 70V/100V	THD+N	Signal/Noise	Freq Response	Dimensions	Weight
MFA208	2 x 40W	2 x 20W	80W	< 0.05 %	> 90 dB	20 Hz - 20 kHz	217.5 x 43.7 x 300 mm	2.20 kg
MFA216	2 x 80W	2 x 40W	160W	< 0.05 %	> 90 dB	20 Hz - 20 kHz	217.5 x 43.7 x 300 mm	2.25 kg

SMA & SMQ series
WaveDynamics™ Class-D power amplifiers

The SMA & SMQ series are Class-D power amplifiers featuring WaveDynamics™ audio processing technology. They come in different output configurations with two or four channels and are available in output powers of 350W, 500W, 750W and 1250W. Their great flexibility and different configurations make it the solution for nearly every system, no matter if it's a fixed installation or a mobile application.

WaveDynamics™

A complete library of AUDAC speaker and set solution presets is available for your projects, making it easy as picking the right file, loading it & play! Besides the optimal acoustic configurations, this library also includes the speaker performance parameters providing a bulletproof protection for them.

The 7-Band fully parametric equalizer with adjustable frequency and Q-factor and Butterworth, Bessel and Linkwitz-Riley filters with selectable roll-off allow you to create custom configurations, tweak your setup to the finest detail and adapt to your room's acoustics. A delay function allows time-alignment of different speakers in your installation.

Configurations also allow you to bridge the outputs, double the output power of stereo channels to one mono channel or make a single three-channel amplifier driving a complete setup composed of stereo Mid/High frequency speakers and a bass cabinet.

Controllability

The operation and configuration of the device can be done in multiple ways. The most obvious way is by using the front panel controls, featuring a rotary selection dial and channel selection buttons with a clear and intuitive user interface on the 2.5" graphical LCD display.

Total system configurations for predefined set solutions can be loaded into the amplifier using the USB port.

Integration of the audio system into home and industrial automation systems is made easy through the RS232 connection & control port whereby functions such as input switching, volume adjustment, etc. can be controlled.

An optional Dante™ interface is available for the WaveDynamics™ amplifiers. The installation of this network interface allows receiving and sending of low latency, high quality audio over a standard Ethernet network.

WaveDynamics™ configurator - AUDAC Touch™

| Input Matrix | Time Alignment | Limiter | Digital Audio Filters | 7-Band EQ | Lockable | Speaker Protection | Dynamic Bass | Speaker Presets | Energy Efficiency |

Flexibility

Every system comes with different requirements and every customer has his own preferences. Because of this, the structure is made as flexible as possible. This is achieved by an input selection matrix.

Each of the input connections can be patched to any amplifier channel and contains software controllable gain. The different implementations of the in- and output connectors allow the easiest way of connection for every application, while allowing signal linkthrough to other amplifiers.

Protection

Optimal protection is not only required for the listeners' satisfaction, but can also be important for complying to the imposed regulations and guaranteeing the lifetime of the equipment. Because of this, protection precautions are implemented in different ways.

Firstly, user access is made possible on different levels. The device can be blocked or accessed in user or administrator level. Different levels allow different configuration and control functions, giving limited (Eg: only volume) control access to standard users and full configuration control to administrators. User restriction can be enabled and disabled and is given through password and/or USB-key.

Secondly, equipment protection is implemented by an output limiter which monitors the output power of every channel and will intervene when the output exceeds a certain level. The corresponding level can be software configured and is indicated in Watts. When the output limiter is configured at the maximum power of the speaker, you can rest assured that the speakers won't be blown during your absence.

Lastly, the maximum volume for every channel can be set independently. This prevents users (having volume access) going over the limit. This can help you to keep the system compliant with imposed regulations and maintain the good relationship with the neighbours.

Efficiency

The switching mode power supply and Class-D amplifier technology in combination with the auto-standby mode for each separate amplifier channel brings an end to the era of the power-hungry amplifiers. In addition, these features also result in a lightweight amplifier which benefits the customer when used in mobile applications.
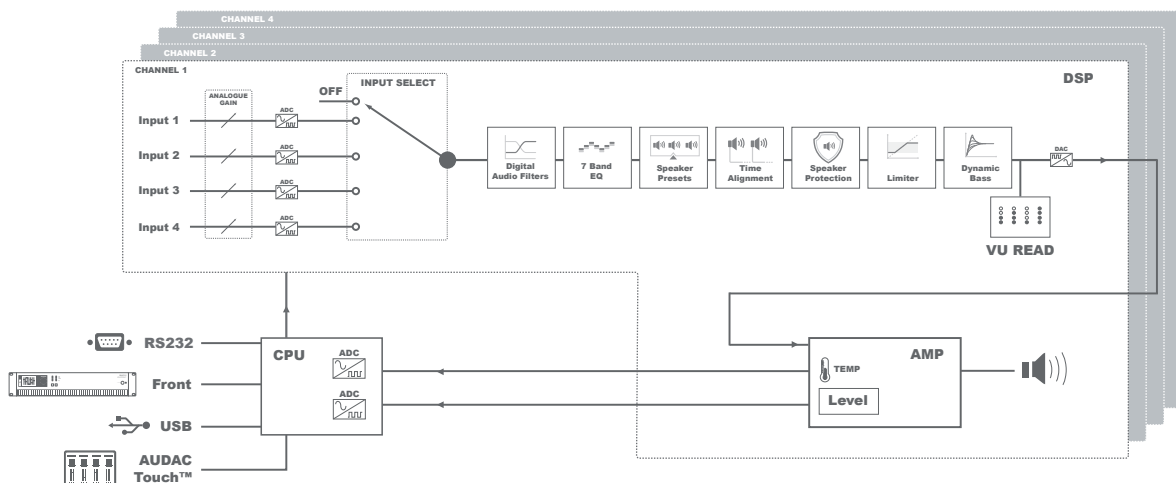
SMA series

WaveDynamics™ dual-channel power amplifiers

The features and availability in different output powers make this Class-D dual-channel power amplifier series ideal for both fixed and mobile applications. Whether accessing it on an administrator or a user level, configuration is made easy using a WaveDynamics™ DSP processor in combination with a front facing 2.5" LCD display and control buttons. Acoustic optimization can be achieved using available Butterworth, Bessel and Linkwitz-Riley filters with selectable roll-off which can be configured as Low / High & Band Pass, adjustable 7-Band equalization and Q-factor.

Other provided functions include delay, dynamic bass boost, output power limiting while the input selection matrix allows for great flexibility. For complete system integration, it has an RS232 control port. AUDAC provides a complete library of presets for its speakers ensuring the best acoustical performance with a bullet-proof speaker protection. These can be uploaded using the USB input that can also be used for making a backup of your work.

1. Speakon compatible & terminal block output connections

2. RS232 control and Dante™ expansion port

3. XLR & terminal block input & linkthrough connections

✓ TouchLink™ compatible

✓ Lightweight Class-D amplifier

✓ Advanced DSP and speaker management

✓ 2.5" LCD display with intuitive user interface

✓ WaveDynamics™ speaker & set configurations

✓ RS232 control and Dante™ compatibility (optional)

	Stereo @ 4 Ω	Stereo @ 8 Ω	Bridge @ 8 Ω	THD+N	Signal/Noise	Freq Response	Dimensions	Weight
SMA350	2 x 350W	2 x 220W	700W	< 0.05 %	> 90 dB	20 Hz - 20 kHz	482 x 88 x 420 mm	7.50 kg
SMA500	2 x 500W	2 x 300W	1000W	< 0.05 %	> 90 dB	20 Hz - 20 kHz	482 x 88 x 420 mm	7.75 kg
SMA750	2 x 750W	2 x 380W	1500W	< 0.05 %	> 90 dB	20 Hz - 20 kHz	482 x 88 x 420 mm	8.00 kg

SMQ series

WaveDynamics™ quad-channel power amplifiers

The features and availability in different output powers make this Class-D quad-channel power amplifier series ideal for both fixed and mobile applications. Whether accessing it on an administrator or a user level, configuration is made easy using a WaveDynamics™ DSP processor in combination with a front facing 2.5" LCD display and control buttons. Acoustic optimization can be achieved using available Butterworth, Bessel and Linkwitz-Riley filters with selectable roll-off which can be configured as Low / High & Band Pass, adjustable 7-Band equalization and Q-factor.

Other provided functions include delay, dynamic bass boost, output power limiting while the input selection matrix allows for great flexibility. For complete system integration, it has an RS232 control port. AUDAC provides a complete library of presets for its speakers ensuring the best acoustical performance with a bullet-proof speaker protection. These can be uploaded using the USB input that can also be used for making a backup of your work.

1. Speakon compatible & terminal block output connections
2. RS232 control and Dante™ expansion port
3. XLR & terminal block input & linkthrough connections

ⓘ Also available in 70-100V: see PMQ series

✓ TouchLink™ compatible

✓ Lightweight class-D amplifier

✓ Advanced DSP and speaker management

✓ 2.5" LCD display with intuitive user interface

✓ WaveDynamics™ speaker & set configurations

✓ RS232 control and Dante™ compatibility (optional)

	Stereo @ 4 Ω	Stereo @ 8 Ω	Bridge @ 8 Ω	THD+N	Signal/Noise	Freq Response	Dimensions	Weight
SMQ350	4 x 350W	4 x 220W	2 x 700W	< 0.05 %	> 95 dB	20 Hz - 20 kHz	482 x 88 x 420 mm	8.15 kg
SMQ500	4 x 500W	4 x 300W	2 x 1000W	< 0.05 %	> 95 dB	20 Hz - 20 kHz	482 x 88 x 420 mm	8.35 kg
SMQ750	4 x 750W	4 x 380W	2 x 1500W	< 0.05 %	> 95 dB	20 Hz - 20 kHz	482 x 88 x 420 mm	8.55 kg
SMQ1250	4 x 1250 W	4 x 630W	2 x 2500W	< 0.05 %	> 95 dB	20 Hz - 20 kHz	482 x 88 x 420 mm	9.76 kg

ANI44XT
WaveDynamics™ Dante™ network interfaces
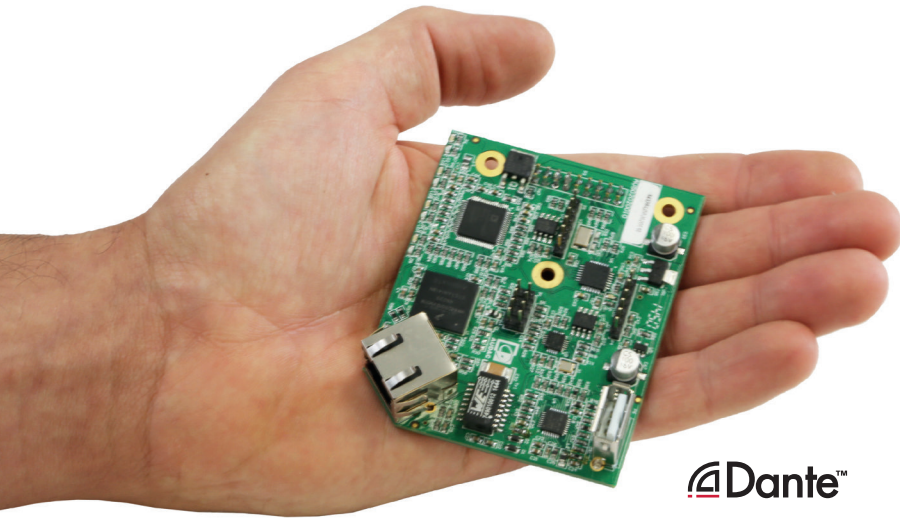
The WaveDynamics™ amplifier series including SMA & SMQ low impedance and PMQ 70-100V power amplifiers can be expanded with ANI network interface modules. This allows implementation and easy networking with any Dante™ enabled product available on the market.

The ANI interface module has 4x4 channels, providing connection to any Dante™-powered AV network. This allows 48 kHz – 24 bit audio transfer from any Dante™ source or mixer with incredibly low latency. The use of standard 100 Mbit or 1 Gbit network equipment in combination with other features such as automatic device discovery, simple graphical routing and flawless incorporation between hundreds of Dante™ enabled products available in the market, offers a no-hassle, self-configuring and true plug and play digital audio networking solution.

Music sources or mixers without any Dante™ interface can be connected to the analog inputs on the Dante™-equipped amplifier and broadcast the signal to other devices in the network.

- ✓ AES67 protocol
- ✓ AUDAC Touch™ & TouchLink™ compatible
- ✓ 48 kHz / 24 bit digital audio transfer
- ✓ Incredibly low latency (2 / 5 ms)
- ✓ Works with standard 100 Mbit or 1Gbit networking equipment
- ✓ Compatible with any Dante™-enabled device available on the market
- ✓ True plug and play solution (DHCP & automatic device discovery)
- ✓ Automatic device discovery & simple graphical routing
- ✓ Updated power supply -improving performance noise and interference

DPA616

Sixteen-channel Class-D amplifiers

Its size makes this dual rack space amplifier ideal for multi-zone audio distribution systems with up to 8 stereo or 16 mono zones. Its use of Class-D technology ensures excellent efficiency as well as outstanding sound quality. For added reliability, an advanced circuitry protects them against DC malfunctioning, short circuiting, overheating and overloading.

Sixteen 3-pole signal input Euro-terminal blocks are provided with, per channel pair, a mode switch for stereo or parallel & bridged operation. For added practicality, each individual channel is fitted with a separate gain control potentiometer.

① Terminal block input connections with gain control

② Terminal block output connections

✓ 16 Channel design (8 channel bridged)

✓ Lightweight class-D amplifier

✓ Compact size, high performance

✓ Advanced protection circuit

✓ Stereo, parallel & bridged mode

	Stereo @ 4 Ω	Stereo @ 8 Ω	Bridge @ 8 Ω	THD+N	Signal / Noise	Freq Response	Dimensions	Weight
DPA616	16 x 60W	16 x 30W	8 x 120W	< 0.1 %	> 100 dB	20 Hz - 20 kHz	482 x 88 x 322 mm	8.2 kg

EPAxx2 series

Dual channel Class-D power amplifiers

These energy efficient stereo (2 channel) amplifiers are combining an outstanding sound quality with other known advantages of Class-D amplifiers such as high energy efficiency. Automatic signal detection switches the amplifier to standby mode when no input signal is detected. This makes the amplifier comply to international energy and environmental requirement standards.

The compact size and lightweight design only requires a single 19" rack space, while making them suitable for both fixed rack and mobile applications. The convection cooled construction requires only a minimum maintenance while guaranteeing high reliability.

The outputs can be bridged merging their power to a single load, while advanced protection circuitry protects against DC malfunctioning, short circuit, overheating and overload.

Input connections are implemented using balanced XLR connectors with link output connectors, allowing link through to other amplifiers. Loudspeaker outputs are connected using both Speakon compatible and terminal block output connectors.

① Speakon compatible & terminal block output connections

② XLR input & linkthrough connections with operation mode switch

✓ Energy-star certified

✓ Standby energy saving mode

✓ Lightweight class-D amplifier

✓ Convection cooled

✓ Advanced protection circuitry

	Stereo @ 4 Ω	Stereo @ 8 Ω	Bridge @ 8 Ω	THD+N	Signal / Noise	Freq Response	Dimensions	Weight
EPA152	2 x 150W	2 x 80W	300W	< 0.1 %	> 90 dB	20 Hz - 20 kHz	482 x 44 x 330 mm	4.10 kg
EPA252	2 x 250W	2 x 130W	500W	< 0.1 %	> 90 dB	20 Hz - 20 kHz	482 x 44 x 330 mm	4.35 kg
EPA502	2 x 500W	2 x 250W	1000W	< 0.1 %	> 90 dB	20 Hz - 20 kHz	482 x 44 x 330 mm	4.60 kg

EPAxx4 series
Quad channel Class-D power amplifiers

These energy efficient quad channel amplifiers are combining an outstanding sound quality with other known advantages of Class-D amplifiers such as high energy efficiency. Automatic signal detection switches the amplifier to standby mode when no input signal is detected. This makes the amplifier comply to international energy and environmental requirement standards.

The compact size and lightweight design only requires a single 19" rack space, while making them suitable for both fixed rack and mobile applications. The convection cooled construction requires only a minimum maintenance while guaranteeing high reliability.

The outputs can be bridged merging their power to a single load while advanced protection circuitry protects against DC malfunctioning, short circuit, overheating and overload. An integrated active crossover network allows the possibility for applying high-pass and low-pass filters to the channels, creating a sub / top configuration for a stereo system with bass cabinet.

Input connections are implemented using balanced XLR connectors while loudspeaker outputs are connected using terminal block connectors.

① Terminal block output connections

② XLR input connections with crossover operation mode switch

✓ Energy-star certified

✓ Standby energy saving mode

✓ Internal crossover network (switchable)

✓ Lightweight class-D amplifier

✓ Convection cooled

	Stereo @ 4 Ω	Stereo @ 8 Ω	Bridge @ 8 Ω	THD+N	Signal / Noise	Freq Response	Dimensions	Weight
EPA104	4 x 100W	4 x 50W	2 x 200W	< 0.1 %	> 90 dB	20 Hz - 20 kHz	482 x 44 x 330 mm	4.50 kg
EPA254	4 x 250W	4 x 130W	2 x 500W	< 0.1 %	> 90 dB	20 Hz - 20 kHz	482 x 44 x 330 mm	4.70 kg

AMP series
Mini stereo amplifiers

Perfect for small installations where relatively low power is required, these compact sized power amplifiers offer multiple control and source connectivity possibilities.

Being extremely energy efficient thanks to the Class-D, standby mode and included switching power supply they use make them compliant with the highest energy efficiency and environmental requirements.

AMP22
Mini stereo amplifier

Ideal for applications requiring compact and economical audio solutions such as class rooms, offices and meeting rooms, ... The compact size and very high efficiency allows it to be hidden in a closet, on a false ceiling or mounted under a desk or table.

The combination of a stereo balanced line and microphone input makes it perfectly suited for applications where used in combination with projection screens and video sources while a microphone for presentations is connected.

A remote wall mixer (e.g. WP2xx series) can be connected for applications where local mixing for the inputs is desirable, while large distances can be covered between the source and amplifier using simple

CAT5E or higher twisted pair cabling. The volume controller input allows the connection of an additional wall controller for overall volume control.

- ✓ Compatible with WP2xx series
- ✓ Class-D amplifier technology
- ✓ Energy star compliant
- ✓ Integrated 2 x 15 Watt amplifier
- ✓ Compact size

Optional mounting bracket

Compatible with a variation of MBS1xx series installation accessories, see page 179 of this catalogue for more details.

	Stereo @ 4 Ω	Stereo @ 8 Ω	Bridge @ 8 Ω	Efficiency	Freq Response	Dimensions	Weight
AMP22	2 x 15W	2 x 7.5W	1 x 30W	87% @ Max	20 Hz - 20 kHz	108 x 44 x 165 mm	0.80 kg

ENERGY STAR | ☁ TCP-IP | ⬚⬚⬚ RS232
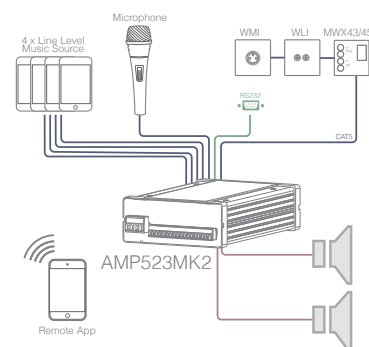
AUDAC Touch™ compatible

AMP523MK2
Web-based mini stereo amplifier

Ideal for applications requiring compact audio solutions with extended connectivity and controllability possibilities such as meeting and conference rooms. A variety of line level sources (up to 4) such as laptops or media players can get connected in combination with a microphone. The microphone input contains priority offering automatic switching from background music to speech when the presentation begins.

The AMP523MK2 is RS232, RS485 and TCP/IP controllable allowing implementation with home & industrial automation systems. Using the freely available application AUDAC Touch™ control and configuring can be done from any portable device on any location and at any time.

✓ 4 Unbalanced stereo line inputs

✓ Balanced mic input with phantom & priority

✓ TCP/IP, RS232 & RS485 control possibilities

✓ Integrated 2 x 15 Watt amplifier

✓ Compatible with VC3208 & WP2xx series

Optional mounting bracket

Compatible with a variation of MBS1xx series installation accessories, see page 179 of this catalogue for more details.

	Stereo @ 4 Ω	Stereo @ 8 Ω	Bridge @ 8 Ω	Efficiency	Freq Response	Dimensions	Weight
AMP523MK2	2 x 15W	2 x 7.5W	1 x 30W	87% @ Max	20 Hz - 20 kHz	108 x 44 x 165 mm	0.81 kg

AUDAC Touch™ compatible

AMP203
Web-based mini stereo amplifier

The AMP203 is a revolutionary small amplifier, featuring network input through Dante™ providing a complete media networking solution to distribute uncompressed audio via standard Ethernet networks with near-zero latency, while allowing all other data to be connected on the same network.

It features various DSP functionalities, including Low-pass, Band-pass and High-pass filters. All configurations can be made via RS485 and Ethernet.

The output connector has been implemented using a 4-pin terminal block connector, featuring an output power of 30W per channel and 60W when bridged. A variable line-out connector is also provided making it easy to connect an extra external amplifier.

Using PoE (Power over Ethernet) the amplifier receives both power and signal through a single networking cable, this way flexibility is maximized while needed cabling is kept at a minimum.

The compact convection cooled enclosure eliminates any humm or buzz otherwise caused by a fan. Various optional mounting brackets are available making it ideal for mounting under a desk, in a closet or on the wall, 19" rack mounting hardware is available as well.

Dante™ | *PoE*

✓ Line-out terminal block connector

✓ Dante™ & AES67 digital audio input

✓ Integrated DSP with advanced possibilities including EQ and filters

✓ PoE 802.3bt (and lower) compatible

✓ Ethernet & RS-485 control possibilities

Optional mounting bracket

Compatible with a variation of MBS1xx series installation accessories, see page 179 of this catalogue for more details.

	Stereo @ 4 Ω	Stereo @ 8 Ω	Bridge @ 2 Ω	Bridge @ 4 Ω	Bridge @ 8 Ω	THD+N	Dimensions
AMP203	2 x 30W	2 x 30W	1 x 60W	1 x 60W	2 x 30 W	< 0.015%	108 x 44 x 165 mm

Decentralize your system by creating virtual zones

The AMP203 provides the perfect solution to quickly add a new zone to your existing Dante™ matrix. This can easily be done by connecting it to the local network switch and connecting your loudspeakers. To make the installation even easier, a PoE injector can be used. This way the AMP203 is connected and powered using only one CAT cable. Through the Dante™ controller your music can now be routed to this zone.
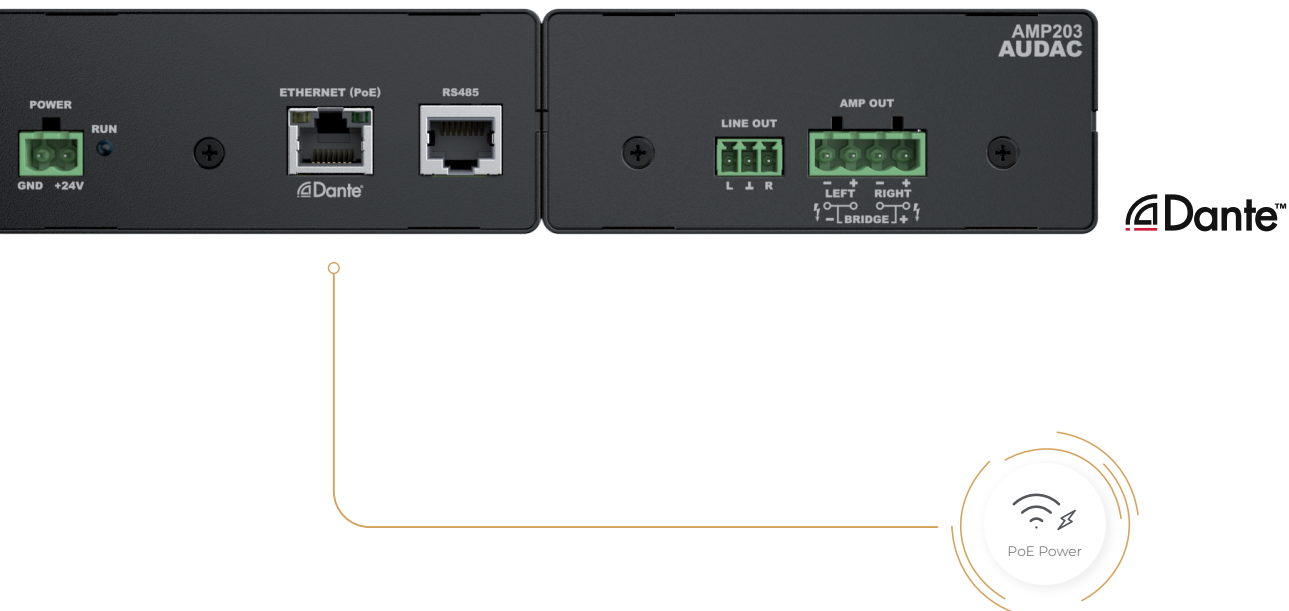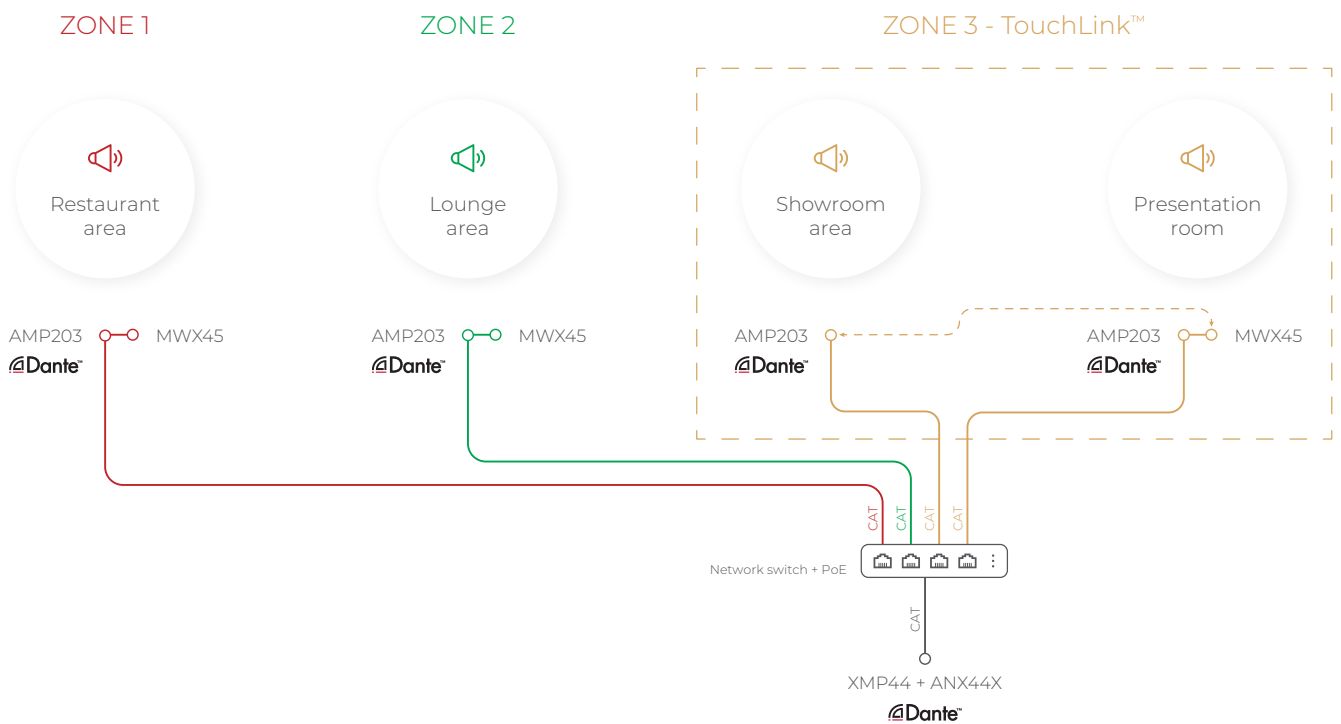
COM104 & COM108
Public address amplifiers

The COM104 and COM108 are compact but versatile public address mixing amplifiers, offering solutions for small to medium size audio systems in commercial installations. Typical applications are background music systems in retail stores, bars, restaurants and office buildings.

The compact and simple design allows installation in any location and operation by any possible user.

The amplifier is designed using Class-D amplifier technology and delivers an output power up to 80 Watt to constant voltage (100V and 70V) or low impedance (4 Ohm) audio systems. A switch mode power supply allows compatibility with a wide variation of mains voltages for global compatibility.

A stereo line input allows connection for a wide variation of audio sources such as media players, radio tuners, internet audio players and many more. A balanced mic / line input allows connection for an announcement microphone with compatibility for condenser microphones using the integrated phantom power supply (15V). A priority switch overrides the background music when enabled and compatibility with voice file players is guaranteed by the wide gain adjustment possibility (0 dB - +50 dB).

Desktop installation or mounting in an equipment rack using (optionally available) mounting adapters is possible. The half 19" rackspace enclosure allows single installation in a 10.5" equipment rack, or side-by-side (two devices) in a 19" equipment rack.

① Priority mute contact input

② Terminal block output connections (4Ω, 70V, 100V)

③ Balanced microphone input with priority and phantom power and unbalanced stereo line input.

✓ Compact design

✓ Low impedance & constant voltage output

✓ Variety of inputs (mic & line)
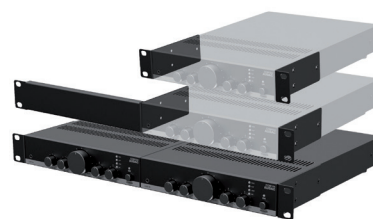
MBS310
Optional mounting bracket

	RMS power	THD+N	Signal / Noise	Freq Response	Output voltage / Impedance	Dimensions	Weight
COM104	40W	< 0.5%	> 90 dB	20 Hz - 20 kHz	100V / 70V / 4 Ω	217.5 x 43.7 x 300 mm	3.1 kg
COM108	80W	< 0.5%	> 90 dB	20 Hz - 20 kHz	100V / 70V / 4 Ω	217.5 x 43.7 x 300 mm	3.1 kg

COM12MK2 & COM24MK2

Public address amplifiers

The COM12MK2 and COM24MK2 public address amplifiers are offering solutions for small to medium size commercial sound systems. Designed with a wide variation of input possibilities, an enormous flexibility for numerous applications is offered.

Six input channels with individual level control allow connectivity and mixing to a wide variation of music sources. Four balanced microphone inputs (XLR) containing phantom power and priority (2x) allow connection for almost any microphone. Two inputs selectable between stereo unbalanced line (RCA) and microphone (6.3 mm Jack) allow connection for any source such as a CD-player, music computer or portable device, or enable to expand the total microphone count to 6.

The output level is controlled using a master volume control accompanied with 2-band tone regulation. The level is indicated with a 5-segment VU-bar while output selection is made possible using an integrated 5-zone speaker switcher.

Various specific functions and advanced circuitry guarantees an optimal protection against DC malfunctioning, short circuit, overheating and overload. Other present features are a link in- and output, an amp input and pre-amp output, an integrated chime module, a remote microphone input , the possibility to connect a telephone pager unit and a priority mute contact that allows coupling and muting via an external alarm system.

1. Terminal block output connections
2. Amplifier link in- & outputs
3. Remote inputs, chime & mute contacts
4. Mic / Line input connections
5. Microphone inputs with priority (2x) & phantom

✓ 5-Zone output selector
✓ Low impedance & constant voltage output
✓ Variety of line & microphone inputs
✓ Phantom power (4x) & priority (2x) on mic
✓ Table top or 19" rack installation

	RMS power	THD+N	Signal / Noise	Freq Response	Output voltage / Impedance	Dimensions	Weight
COM12MK2	120W	< 0.5 %	> 90 dB	20 Hz - 20 kHz	100V / 4 Ω	420 x 86 x 230 mm	9.7 kg
COM24MK2	240W	< 0.5 %	> 90 dB	20 Hz - 20 kHz	100V / 4 Ω	420 x 86 x 230 mm	11 kg

CEP series

Multi-channel 70/100V power-efficient amplifiers

The CEP series are professional 70/100V multi-channel power-efficient amplifiers. The one unit height device comes into two models. The CEP408 offers four channels and has an output power of 80 Watt. Both low impedance as 70/100V, deliver high-quality amplification distributed over multiple zones in various applications.

With its compact and lightweight design, the CEP series is designed with high efficiency and reliability by providing input linking through miniature switches at the back of the device in combination with Class-D amplifier technology. These switches allow daisy linking inputs from one channel to another by simply pressing the switch.

The highly efficient Class-D amplifier technology delivers an uncompromised sound experience in the most effective way. The input connections are performed with 3-Pin Terminal block connectors while the output connections are performed with a 4-pin Terminal block connector.

The multi-channel amplifier is Energy Star compliant yet can be enabled or disabled with a standby switch on the back of the device. This all is housed in a HE 19" Rack space housing. In order to reach maximum installer/maintenance convenience, the CEP is fully passively cooled.

① 4-Pin terminal block output connections

② 3-Pin terminal block input connection

✓ Energy-star certified

✓ Terminal block input connections

✓ Terminal block output connections

✓ Input linking through miniature switches

✓ Compact and lightweight design

✓ Class-D amplifier technology

	RMS Power	THD+N	Signal / Noise	Freq Response	Output voltage / Impedance	Dimensions	Weight
CEP408	4 x 80 W	< 0.1%	> 100 dB	20 Hz – 20 kHz	70V / 100V / 4Ω	482 x 44 x 330 mm	6.3 Kg
CEP803	8 x 30W	< 0.1%	> 100 dB	20 Hz – 20 kHz	70V / 100V / 4Ω	482 x 44 x 330 mm	6 Kg

PMQ series

WaveDynamics™ quad-channel 70-100V power amplifiers

USB | RS232 | Dante™ Option available

① ② ③

The PMQ series are professional 70-100V quad Channel Power Amplifiers, providing a new standard for premium sound 100v amplification in applications that require a high output. Their advanced features and availability in different output powers for 240 Watt, 480 Watt and 600 Watt provide an enormous flexibility for numerous applications.

The WaveDynamics™ DSP processor in combination with the 2.5" LCD display gives an unmatched user experience with intuitive functions overview for easy configuration. Acoustics can be optimized using filters with selectable roll off and a 7-Band equalizer which has adjustable frequencies and Q-factor. Other provided functions are delay and dynamic bass boost. Configuration is made simple with

loudspeaker presets which can be selected from a library and uploaded with an USB flash drive to ensure the best acoustical performance.

A great input flexibility and source compatibility is provided by the input selection matrix in combination with the XLR and terminal block signal connections. The outputs are made using Terminal block connections.

System integration is made easy using the RS-232 control port. An optional Dante™™ interface is available for the WaveDynamics™ amplifiers. The installation of this network interface allows receiving and sending of low latency, high quality audio over a standard Ethernet network.

① Terminal block output connections

② RS-232 control and Dante™ expansion port

③ XLR & terminal block input & linkthrough connections

✓ TouchLink™ compatible

✓ Lightweight class-D amplifier

✓ Advanced DSP and loudspeaker management

✓ 2.5" LCD display with intuitive user interface

✓ WaveDynamics™ loudspeaker configurations

✓ RS232 control and Dante™ compatibility (optional)

WaveDynamics™ configurator
AUDAC Touch™

	RMS power	THD+N (@ 1 kHz)	Signal / Noise	Crosstalk (@ 1 kHz)	Freq Response	Dimensions	Weight
PMQ240	4 x 240 Watt	< 0.05 %	> 95 dB	> 70 dB	50 Hz - 20 kHz	482 x 88 x 420 mm	8.2 kg
PMQ480	4 x 480 Watt	< 0.05 %	> 95 dB	> 70 dB	50 Hz - 20 kHz	482 x 88 x 420 mm	8.9 kg
PMQ600	4 x 600 Watt	< 0.05 %	> 95 dB	> 70 dB	50 Hz - 20 kHz	482 x 88 x 420 mm	8.6 kg

CAP2 series

Dual-channel 70-100V power amplifiers

These professional dual-channel power amplifiers are designed to be used in any 100V PA system. Their use of Class-D technology in combination with switching power supplies ensure excellent efficiency and reliability. To avoid overheating, a temperature controlled fan constantly keeps all parts within the right operation range, while avoiding an excessive buzz.

A built-in multipurpose protection circuit protects against DC malfunction, short circuit, overheating, overload and limits the signal when necessary. Both balanced XLR signal inputs and linkthroughs are provided with a selectable high-pass filter switch (400 Hz) and a gain adjustment potentiometer for each channel. The output connections are performed using terminal block connectors.

1. Terminal block output connections
2. XLR input & linkthrough connections with gain control & HPF switch

- ✓ High efficiency Class-D amplifier
- ✓ Compact size, high performance
- ✓ Advanced protection circuit
- ✓ High-pass filter switch

	RMS power	THD+N	Signal / Noise	Freq Response	Output voltage	Dimensions	Weight
CAP224	2 x 240W	< 0.3 %	> 100 dB	50 Hz - 22 kHz	70 / 100V	482 x 88 x 420 mm	7.2 kg
CAP248	2 x 480W	< 0.3 %	> 100 dB	50 Hz - 22 kHz	70 / 100V	482 x 88 x 420 mm	7.5 kg

CAP4 series
Quad-channel 70-100V power amplifiers

These professional quad-channel power amplifiers are designed to be used in any 100V PA system. Their use of Class-D technology in combination with switching power supplies ensure excellent efficiency and reliability. To avoid overheating, a temperature controlled fan constantly keeps all parts within the right operation range, while avoiding an excessive buzz.

A built-in multipurpose protection circuit protects against DC malfunction, short circuit, overheating, overload and limits the signal when necessary. Both balanced XLR signal inputs and linkthroughs are provided with a selectable high-pass filter switch (400 Hz) and a gain adjustment potentiometer for each channel. The output connections are performed using terminal block connectors.

① Terminal block output connections

② XLR input & linkthrough connections with gain control & HPF switch

✓ Lightweight Class-D amplifier

✓ Compact size, high performance

✓ Advanced protection circuit

✓ High-pass filter switch

	RMS power	THD+N	Signal / Noise	Freq Response	Output voltage / Impedance	Dimensions	Weight
CAP412	4 x 120W	< 0.3 %	> 100 dB	50 Hz - 22 kHz	70V / 100V / 4 Ω	482 x 88 x 420 mm	14.8 kg
CAP424	4 x 240W	< 0.3 %	> 100 dB	50 Hz - 22 kHz	70 / 100V	482 x 88 x 420 mm	8.35 kg
CAP448	4 x 480W	< 0.3 %	> 100 dB	50 Hz - 22 kHz	70 / 100V	482 x 88 x 420 mm	8.85 kg

CEILING SPEAKERS

Acoustically crafted high-quality speakers with a circular design for in-ceiling/in-wall mounting.

CELO series
High-end ceiling speakers

The CELO series is AUDAC's high-end slim ceiling speaker series, consisting of four models which guarantee an optimal experience for every situation and application. A white front SlimLine™ Grill is standard included. This slim grill allows your ears to spark your attention, not your eyes. Due to its very thin border of only 1 mm and a limited grill depth which emerges from the ceiling surface by only 3.2 mm, these speakers will become nearly invisible when mounted. Great ease and installers convenience is guaranteed using the QuickFix™ mechanism with GoldCon™ connectivities.

CELO2

The ultra-compact size enables the CELO2 to smoothly integrate into any interior like no other speaker. The 2" full range aluminum cone driver has an RMS power handling of 10W and is fitted in a ported enclosure with closed back can. This way, a clear and crisp sound is guaranteed with an improved response in the low frequencies.

(Also available in 16Ω version: CELO2D)

Ω 8 Ohm | Ω 16 Ohm

/B /W /P
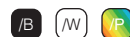
Optional front grills

- Black version (/B) - RAL9005
- Paintable version (/P)

CELO2 : GLC02
CELO5 : GLC05
CELO6 : GLC06
CELO8 : GLC08

CELO5

The uncompromised design of the CELO5 results in the ideal match between quality and size. It produces a stunning sound which is extremely detailed and clear. The two-way construction consisting of a 5" aluminum cone woofer and a complementary 1" dome tweeter are smoothly matched using a high-quality crossover network.

Ω 8 Ohm

/B /W /P

CELO6

The perfect match for a large number of applications is realized with the CELO6 speaker. This speaker consists of a 6" aluminum cone woofer with a complementary 1" dome tweeter. This combination guarantees the perfect harmony and balance of sound, allowing you to accurately distinguish each element of your favourite songs.

Ω 8 Ohm

/B /W /P

CELO8

The most powerful of its kind is the CELO8 speaker, which is constructed using a 8" aluminum cone woofer and a complementary 1" dome tweeter. This combination allows the speaker to reach lower frequencies which results in a high-fidelity sound with powerful and detailing low frequencies, unheard of in its class.

Ω 8 Ohm

/B /W /P

GFC06

Gypsum flush mount installation ring for CELO6

|	Max power	RMS power	Max SPL	Sensitivity 1W / 1 m	Drivers	Freq response +- 3 dB	Cut-out dimensions	Dimensions
CELO2 & CELO2D	20W	10W	93 dB	83 dB	2"	120 Hz - 20 kHz	Ø 100 mm	Ø 118 x 98 mm
CELO5	100W	50W	102 dB	85 dB	1" HF & 5" LF	70 Hz - 20 kHz	Ø 155 mm	Ø 175 x 98 mm
CELO6	120W	60W	106 dB	88 dB	1" HF & 6" LF	55 Hz - 20 kHz	Ø 210 mm	Ø 230 x 103 mm
CELO8	160W	80W	108 dB	89 dB	1" HF & 8" LF	46 Hz - 40 kHz	Ø 250 mm	Ø 270 x 118 mm

CALI series
SafeLatch™ ceiling speakers

Engineered for perfection. The CALI series range consists of full-range models constructed using premium materials and fitted with the patented SafeLatch™ mounting system. The TwistFix™ borderless grill design offers easy but solid assembly and a completely seamless transition from grill to ceiling. The construction with metal back-can guarantees premium performance under all circumstances, no matter what kind of ceiling or surface it is mounted to.

TwistFix™

Borderless Grill Design
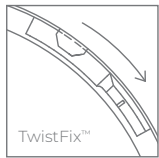
✓ Removable logos for most discrete use

✓ Ceiling speaker with rear dome
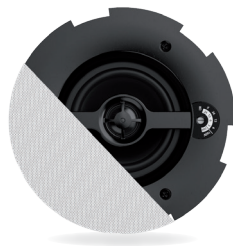
CALI424

The CALI424 is a 2-way ceiling speaker with rear dome, constructed using a 4" cone driver, combined with an coaxially mounted 1" soft dome tweeter which is fitted with a phase plug for excellent off axis performance.

The 2-way construction combination with metal rear-dome guarantees premium performance for demanding applications. A continuous power handling of 30 Watt (RMS) and maximum power handling of 60 watt is achieved, while fitted with a rotary switch for tapping of the 70/100V line transformer.

⚡ 70-100 Volt   Ω 8 Ohm

/B /W /P

CALI660

The CALI660 is a 2-way ceiling speaker with rear dome, constructed using a 6.5" cone driver, combined with an coaxially mounted 1" soft dome tweeter which is fitted with a phase plug for excellent off axis performance.

The 2-way construction combination with metal rear-dome guarantees premium performance for demanding applications. A continuous power handling of 64 Watt (RMS) and maximum power handling of 128 watt is achieved, while fitted with a rotary switch for tapping of the 70/100V line transformer.

⚡ 70-100 Volt   Ω 8 Ohm

/B /W /P

Outdoor front grills

The GLI series are optionally available front grills with TwistFix™ technology for the CALI loudspeaker series. The GLI grills are available in 3 versions: black (/B), white (/W) and paintable (/P)

for CALI4xx series speakers: GLI05
for CALI6xx series speakers: GLI06
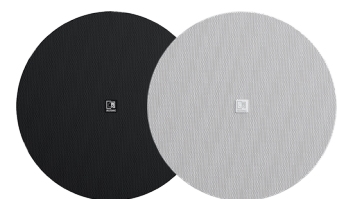
☂ Weatherproof

	Max power	RMS power	Sensitivity 1W / 1 m	Power taps @ 100V	Power taps @ 70V	Freq response +- 3 dB	Cut-out dimensions	Dimensions
CALI424	60 Watt	30 Watt	84 dB	24 / 12 / 6W	24 / 12 / 6 / 3W	105 Hz – 20 kHz	Ø 170 mm	Ø 192 mm x 110 mm
CALI660	120 Watt	60 Watt	88 dB	60 / 30 / 15W	60 / 30 / 15 / 7.5W	65 Hz – 20 kHz	Ø 220 mm	Ø 242 mm x 120 mm

Position 1

Connect and insert the speaker with SafeLatch™ through the installation hole.

The latching arms will automatically lock the speaker in place.

Position 2

Fix the speaker in position by tightening the screws of the SafeLatch™ mounting system.

Position 3

Release the screws of the SafeLatch™ system to maximum for bending the latching arms inwards, which allows removal of the speaker.

SafeLatch™

A patented SafeLatch™ mounting system guarantees the most convenient installation for the CALI series speakers. The latching arms automatically lock in place once inserted through the cutout hole. This gives the installer both hands available for directional placement and tightening of the fixation.

Tile bridge

The TBA series tile bridges are optional accessories for installing the CALI series speakers into 60 x 60 cm ceiling tiles in suspended ceiling applications. Designed to make mounting of the tile bridge possible through the speaker cutout.

for CALI4xx series speakers : TBA40
for CALI6xx series speakers : TBA60

TwistFix™ grill installation

CIRA series
QuickFit™ 2-way ceiling speakers

Designed to offer the best value for money ratio. The CIRA series are coaxial 2-way ceiling speakers featuring exceptional intelligibility and musical performance. The TwistFix™ borderless grill design offers easy but solid assembly and a completely seamless transition from grill to ceiling. This results in a perfect blend into its environment. The QuickFit™ installation system combined with FastCon™ connector offers lifetime stability and great installers convenience.

TwistFix™   FastCon™   Borderless Grill Design   QuickFit™ System
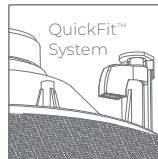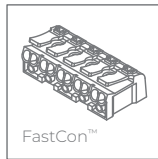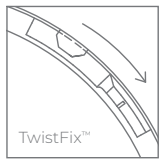
✓ Removable logos for most discrete use

✓ Optionally available outdoor resistant grills

Weatherproof

Outdoor front grills

The GLI series are optionally available front grills with TwistFix™ technology for the CIRA loudspeaker series. The GLI grills are available in 3 versions: black (/B), white (/W) and paintable (/P)

for CIRA5xx series speakers: GLI05
for CIRA7xx series speakers: GLI07
for CIRA8xx series speakers: GLI08

CIRA5

The CIRA5 features a 5 ¼" driver using polypropylene cone material, combined with a 1" Mylar tweeter fitted with a phase plug for excellent off axis performance. The selected materials guarantee a low distortion performance with smooth and flat frequency response. A continuous power handling of 30 Watt (RMS) and maximum power handling of 60 watt is achieved, while fitted with a multi-tapping 100V line transformer with tappings for 6W, 3W, 1.5W and an 8 Ohm or 16 Ohm bypass connection.

⚡ 100 Volt | Ω 8 Ohm | Ω 16 Ohm

/B /W /P

CIRA7

The CIRA7 features a 6.5" driver using polypropylene cone material, combined with a 1" Mylar tweeter fitted with a phase plug for excellent off axis performance. The selected materials guarantee a low distortion performance with smooth and flat frequency response. A continuous power handling of 30 Watt (RMS) and maximum power handling of 60 watt is achieved, while fitted with a multi-tapping 100V line transformer with tappings for 24W, 12W, 6W and an 8 Ohm or 16 Ohm bypass connection.

⚡ 100 Volt | Ω 8 Ohm | Ω 16 Ohm

/B /W /P

CIRA8

The CIRA8 features a 8" driver using polypropylene cone material, combined with a 1" Mylar tweeter fitted with a phase plug for excellent off axis performance. The selected materials guarantee a low distortion performance with smooth and flat frequency response. A continuous power handling of 40 Watt (RMS) and maximum power handling of 80 watt is achieved, while fitted with a multi-tapping 100V line transformer with tappings for 24W, 12W, 6W and an 8 Ohm & 16 Ohm bypass connection.

⚡ 100 Volt | Ω 8 Ohm | Ω 16 Ohm

/B /W /P

|	Max power	RMS power	Max SPL	Sensitivity 1W / 1 m	Power taps / impedance	Freq response +- 3 dB	Cut-out dimensions	Dimensions
CIRA506/W	60 Watt	30 Watt	102 dB	87 dB	6W / 3W / 1.5W / 8 Ω	60 Hz – 20 kHz	Ø 170 mm	Ø 193 mm x 79 mm
CIRA524/W	60 Watt	30 Watt	102 dB	87 dB	24W / 12W / 6W / 8 Ω	60 Hz – 20 kHz	Ø 170 mm	Ø 193 mm x 86 mm
CIRA530D/W	60 Watt	30 Watt	102 dB	87 dB	16 Ω	60 Hz – 20 kHz	Ø 170 mm	Ø 193 mm x 79 mm
CIRA724/W	60 Watt	30 Watt	103 dB	88 dB	24W / 12W / 6W / 8 Ω	55 Hz – 20 kHz	Ø 200 mm	Ø 224 mm x 81 mm
CIRA730D/W	60 Watt	30 Watt	103 dB	88 dB	16 Ω	55 Hz – 20 kHz	Ø 200 mm	Ø 224 mm x 78 mm
CIRA824/W	80 Watt	40 Watt	105 dB	89 dB	24W / 12W / 6W / 8 Ω	40 Hz – 20 kHz	Ø 243 mm	Ø 270 mm x 86 mm
CIRA840D/W	80 Watt	40 Watt	105 dB	89 dB	16 Ω	40 Hz – 20 kHz	Ø 243 mm	Ø 270 mm x 86 mm

CENA series
SpringFit™ ceiling speakers

The unbeatable one. The CENA series are full-range ceiling speakers, designed to offer an unmatched solution for large scale public address projects. The SpringFit™ fixation offers the fastest possible installation time of any speaker available on the market, while the borderless grill design is absolutely unseen for any ceiling speaker in this segment. The selection of high-quality cone materials guarantee an exceptional intelligibility and background music performance.

SpringFit™ System

Borderless Grill Design
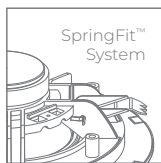
✓ Removable logos for most discrete use
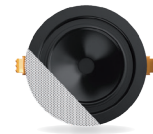
CENA3

The CENA3 features a 2,5" broadband driver with a continuous power handling of 10 Watt (RMS) and maximum power handling of 20 Watt. It is fitted with a multi-tapping 100V line transformer with tappings for 6W and 3W.

⚡ 100 Volt   Ω 8 Ohm

/B   /W
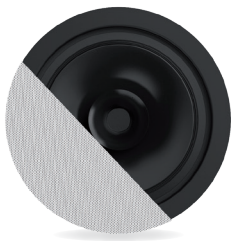
CENA5

The CENA5 features a 5" broadband driver with a continuous power handling of 10 Watt (RMS) and maximum power handling of 20 Watt. They are fitted by multi-tapping 100V line transformers with tappings for 6W, 3W.

⚡ 100 Volt | Ω 8 Ohm | Ω 16 Ohm

/B /W

CENA7

The CENA7 features a 6.5" broadband driver with a continuous power handling of 10 Watt (RMS) and maximum power handling of 20 Watt. It is fitted with a multi-tapping 100V line transformer with tappings for 6W and 3W.

⚡ 100 Volt | Ω 8 Ohm | Ω 16 Ohm

/B /W

CENA8

The CENA8 features an 8" broadband driver with a continuous power handling of 20 Watt (RMS) and maximum power handling of 40 Watt. It is fitted with a multi-tapping 100V line transformer with tappings for 12W and 6W.

⚡ 100 Volt | Ω 8 Ohm | Ω 16 Ohm

/B /W

SnapConnect™ splicing connector for plug and play installation.

	Max power	RMS power	Max SPL	Sensitivity 1W / 1 m	Power taps / impedance	Freq response +- 3 dB	Cut-out dimensions	Dimensions
CENA306	20 Watt	10 Watt	97 dB	87 dB	6W / 3W	120 Hz - 20 kHz	Ø 80 mm	Ø 95 mm x 68 mm
CENA506	20 Watt	10 Watt	103 dB	93 dB	6W / 3W	100 Hz – 15 kHz	Ø 150 mm	Ø 180 mm x 57 mm
CENA510D	20 Watt	10 Watt	103 dB	93 dB	16 Ω	100 Hz – 15 kHz	Ø 150 mm	Ø 180 mm x 52 mm
CENA706	20 Watt	10 Watt	106 dB	96 dB	6W / 3W	100 Hz – 15 kHz	Ø 167 mm	Ø 193 mm x 70 mm
CENA710D	20 Watt	10 Watt	106 dB	96 dB	16 Ω	100 Hz – 15 kHz	Ø 167 mm	Ø 193 mm x 70 mm
CENA812	40 Watt	20 Watt	112 dB	99 dB	12W / 6W	100 Hz – 15 kHz	Ø 207 mm	Ø 232 mm x 80 mm
CENA820D	40 Watt	20 Watt	112 dB	99 dB	16 Ω	100 Hz – 15 kHz	Ø 207 mm	Ø 232 mm x 80 mm

AWP & SSP series
Waterproof ceiling speakers

These high-quality in-ceiling speakers are especially designed for use in applications with high levels of humidity such as bathrooms, wellness, swimming pool areas or many more!

AWP06

The AWP06 in-ceiling speakers features a 4" dual cone driver with continuous power handling of 6 Watt and a maximum power handling of 10 Watt. The dual cone construction makes the AWP06 the perfect match for a wide variation of general purpose in- & outdoor applications in humid and damp environments, ranging from paging and announcement systems to background music systems. The full plastic enclosure with aluminum front grill and closed back makes the speaker comply to IP65 Ingress protection standards.

Instant fixation to the ceiling is made possible through the spring-fix mounting, offering a great installers convenience and lifetime stability.

A multi-tapping line transformer with fixed connection cable allows it to be connected to 100V public address systems with different power taps for 6W, 3W and 1.5W and/or low impedance (8Ω) systems.

⚡ 100 Volt | Ω 8 Ohm | 💧 IP65

SSP500

The SSP500 in-ceiling speakers features a 5 ¼" driver with a coaxially mounted 1" tweeter, having a continuous power handling of 20 Watt and a maximum power handling of 40 Watt. The 2-way construction makes the SSP500 the perfect match for a wide variation of highly demanding in- & outdoor applications in humid and damp environments, guaranteeing a high-quality and true to nature reproduction of music and speech. The enclosure constructed with heat resistant plastic materials and aluminum front grill makes the speaker comply to IP44 Ingress protection standards and allows it to be installed in environments with extreme levels of humidity and temperature (up to 100°C) such as saunas.

Instant fixation to the ceiling is made possible by a 4-screw mounting system, offering a lifetime stability while connections to low impedance (8Ω) systems are made by cable lug terminals.

Ω 8 Ohm | 💧 IP44

	Max power	RMS power	Max SPL	Sensitivity 1W/1m	Impedance	Power taps	Freq response +- 3 dB	Cut-out dimensions	Dimensions
AWP06	10W	6W	95 dB	87 dB	8 Ω	6 / 3 / 1.5W	100 Hz - 15 Khz	Ø 125 mm	Ø 140 x 130 mm
SSP500	40W	20W	99 dB	86 dB	8 Ω	-	75 Hz - 20 kHz	Ø 150 mm	Ø 165 x 74 mm

CSF series

Ceiling speaker with fire dome

⚡ 100 Volt

CSF506

The CSF506 in-ceiling speaker features a 5" full range driver with a continuous power handling of 6 Watt and a maximum power handling of 10 Watt making it suitable for a variation of general purpose indoor applications. Typical applications range from paging and announcement systems to background music systems. The full metal construction with back dome and flame retardant construction materials, a ceramic connection terminal and ceramic fuse allows the speaker for use in announcement and alarm systems compliant to EN60849 evacuation standards.

A multi-tapping line transformer allows it to be connected to 100V public address systems with different power taps for 6W and 3W, while assembly is done by a special ceiling-clamping mounting system.

	Max power	RMS power	Sensitivity 1W / 1 m	Power taps	Freq response +- 3 dB	Cut-out dimensions	Dimensions
CSF506	10W	6W	90 dB	6 / 3W	90 Hz - 18 kHz	Ø 160 mm	Ø 180 x 127 mm

NELO series
Surface-mount loudspeakers

NELO706 - Without volume controller

NELO706V - With volume controller

NELO706

The NELO706 surface-mount loudspeakers allow installation to any wall or ceiling where functional and cost-efficient reproduction for music & speech is required. It features a 6.5" broadband loudspeaker with a continuous power handling of 10 Watt (RMS) and is fitted with a line transformer for use in 70V/100V public address systems with power tappings for 6W and 3W.

The housing is minimalistic and elegant designed with a very narrow border and a finely perforated steel grill on the front. Connections are made through SnapConnect™ terminals, offering a faster, more reliable and safer choice for fixed installations.

The NELO706 are available in various models with (NELO706V) and without (NELO706) individual volume controller on its side while being available in two different colors (Black /B & White /W) to blend in with any residential, commercial or industrial environment.

⚡ 70-100 Volt

/B /W

Pendant mounting kit

CSK100

The CSK100 is an optional suspension kit, allowing the NELO series loudspeakers being used as a pendant loudspeaker solution. The triangular steel wire construction can be screwed into the threaded bushings on the rear side of the NELO series speakers, while a 3.5 meters long steel wire allows it to be fixed to any possible ceiling or surface. This offers a fast and easy solution for converting the NELO series into an entry-level pendant solution.

	Max power	RMS power	Sensitivity 1W / 1 m	Power taps @ 100V	Power taps @ 70V	Freq response +- 3 dB	Volume controller	Dimensions (Ø x D)
NELO706	20W	10W	96 dB	6 / 3W	6 / 3 / 1.5W	100 Hz - 15 kHz	No	206.5 x 95 mm
NELO706V	20W	10W	96 dB	6 / 3W	6 / 3 / 1.5W	100 Hz - 15 kHz	Yes	206.5 x 95 mm

CMM series
## Speaker built-in box for concrete casting
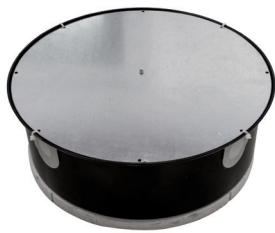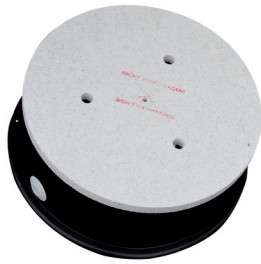
CMM306

The CMM306 is a built-in housing for flush mount installation of loudspeakers in concrete structures. The construction with mineral fiberboard plate allows customized cut-outs in various diameters or shapes for installation of loudspeakers (or lighting fixtures). Cast in-place or integration in precast factories is both possible.

The mineral fiberboard plate allows cutouts with diameters up to ~ 280 mm, while a maximum built-in depth of 110 mm guarantees compatibility with a large number of in-ceiling loudspeakers. The synthetic enclosure is made out of halogen free and fire (up to 650°C) resistant materials. Entries for both 2xM20 and 2xM25 cables are provided.

WMM series
Speaker back box
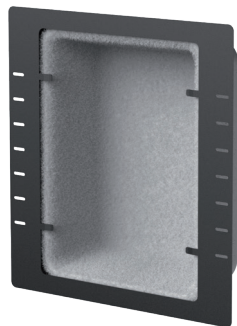
WMM450

The WMM450 is a fire-proof speaker back box for in-wall and in-ceiling installations in hollow structures. It is constructed out of power coated steel and allows installation for all kinds of flush mount speakers with a built-in depth up to ~ 115 mm. It provides an ideal environment for the installed speakers while preventing undesirable sound leaks into neighboring rooms. The dimensions of 446 x 455 x 127 mm allow it being placed in between a wide variation of wall studs or ceiling beams. It features an internal volume of 15 liters and comes pre-fitted with acoustic damping material for optimal acoustic performance.

WMM630

The WMM630 is a speaker back box made out of medium-density fibreboard (MDF) allowing installation for a wide variety of ceiling or in-wall loudspeakers. It provides an ideal environment for the installed speakers while reducing the radiation of sound to adjacent rooms. The dimensions of 345 x 545 x 150 mm allow it being placed in between a wide variation of wall studs or ceiling beams. It features an internal volume of 21 litres and comes with a pre-cut speaker cutout with a diameter of Ø 150 mm, and pre-marked circular cutouts up to Ø 250 mm. The corners are provided with L-brackets for easy assembly to any kind of stud or beam and it comes pre-fitted with acoustic damping material for optimal acoustic performance.

FLUSH MOUNT SUBWOOFERS

In-wall/ ceiling subwoofers with can be used as an extension for the low frequency range on any flush mount loudspeaker system, guaranteeing a true and deep low frequency response.

CELO8S

High-end 8" ceiling subwoofer

CELO8S

The CELO8S is the next step in our journey to provide an impeccable musical atmosphere. This 8" ceiling subwoofer is fitted with a stiff and light aluminum membrane, minimizing ceiling vibrations and resulting in energetic depths from above, while the open back design enables the CELO8S to reproduce low frequencies in the most natural way possible. Its integrated stereo crossover enables you to effortlessly connect your satellite speakers, resulting in the absolute finest full-range sound experience in the most efficient way possible.

Ω 8 Ohm

/B   /W   /P

Optional front grills

- Black version (/B) - RAL9005
- Paintable version (/P)

CELO8S : GLC08

	Max power	RMS power	Max SPL	Sensitivity 1W / 1 m	Impedance	Drivers	Freq response +- 3 dB	Cut-out dimensions	Dimensions
CELO8S	2 x 100W	2 x 50W	103 dB	83 dB	8Ω	8" Aluminum	45 Hz - 200 kHz	Ø 250 mm	Ø 275 x 120 mm

1 Phase switch

Depending on the acoustical properties of your room and placement of the subwoofer, the sub can be better integrated into your room when switched to either 0° or 180° by adjusting the phase switch. We recommend 0° when all speakers are mounted in a flat wall or ceiling.

2 Balance correction switch

When installed with accompanying satellite speakers, the volume of these satellites relative to the subwoofer can be increased and decreased by 3 dB, according to the installation setup and preferred sound.

SENSO series

SENSO82.4S
4 x CELO2, 1x CELO8S, 1 x EPA152

Available colours: /B /W

CELO2 with GLC02

CELO8S

CELO2 with GLC02

EPA152

The tiny and nearly invisible design of the CELO2 speakers makes the SENSO series set one of the most compact high-end in-ceiling audio solutions with subwoofer that will draw your attention only through its extraordinary sound.

Supported by the CELO8S 8" ceiling subwoofer that delivers detailed and punchy bass, while the open back design enables the CELO8S to reproduce low frequencies in the most natural way possible. It comes fitted with an integrated stereo crossover that enables you to effortlessly connect your satellite speakers, resulting in the absolute finest full-range musical atmosphere.

Powered by the EPA152 energy efficient Class-D stereo amplifier this system, using four CELO2 loudspeakers, can cover areas of around 100 m² with clear and powerful background music.

Bars & Restaurants | Hotels | Residential | Retail

| More CELO8S solutions	Products used
SENSO82.8S	8 x CELO2D + CELO8S + EPA152
CENTO2.5	MFA216 + 1 CELO8S + 4 x CELO2
CENTO5.3	MFA216 + CELO8S + 2 x CELO5
CENTO5.5	MFA216 + CELO8S + 4 x CELO5
CENTO6.3	MFA216 + 2 x CELO6 + NOBA8A
CENTO5.6Z	MFA216 + CELO8S + 4 x CELO5 + NOBA8A
CENTO5.8	MFA216 + CELO8S + 6 x CELO5 + NOBA8A

CS1000 series

Ceiling / In-wall subwoofers
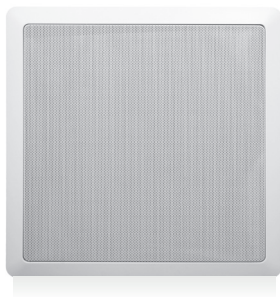
CS1000S

The CS1000S is an in-wall/ceiling subwoofer featuring a 10" low frequency driver with a continuous power handling of 100 Watt and a maximum power handling of 200 Watt. It can be used as an extension for the low frequency range on any flush mount speaker system, guaranteeing a true and deep low frequency response.

It is capable of producing sound pressure levels up to 108 dB, with a stunning frequency response over a range between 28 Hz and 300 Hz. An external crossover network (active or passive) is recommended for optimal performance.

The construction is made by a super slim ABS frame which limits the required built-in depth to a minimum of 95 mm and can be painted to blend in with any environment. The assembly system offers a quick and simple installation to any wall or ceiling.
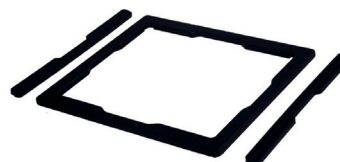
Ω 8 Ohm

	Max power	RMS power	Max SPL	Sensitivity 1W / 1m	Impedance	Frequency range -10 dB	Dimensions
CS1000S	200W	100W	108 dB	88 dB	8 Ω	28 Hz - 300 Hz	304 x 304 x 104 mm

RECTANGULAR FLUSH MOUNT SPEAKERS

Acoustically crafted high-quality speakers with a rectangular design for in-wall/in-ceiling mounting.

MERO series

In-wall speakers

The selection of high-grade materials in combination with accurate acoustics craftsmanship makes the MERO speakers superior in their class.

An elegant look with minimal visual impact is created by the included white SlimLine™ Grill with a very thin border, while great ease and installers convenience is guaranteed using the QuickFix™ mechanism with GoldCon™ connectivities. The grill is held in place using neodymium magnets, providing a quick and stable assembly. Installation can be done both vertically and horizontally, while the rotatable tweeter allows optimal orientation positioning. A white front grill is standard included.
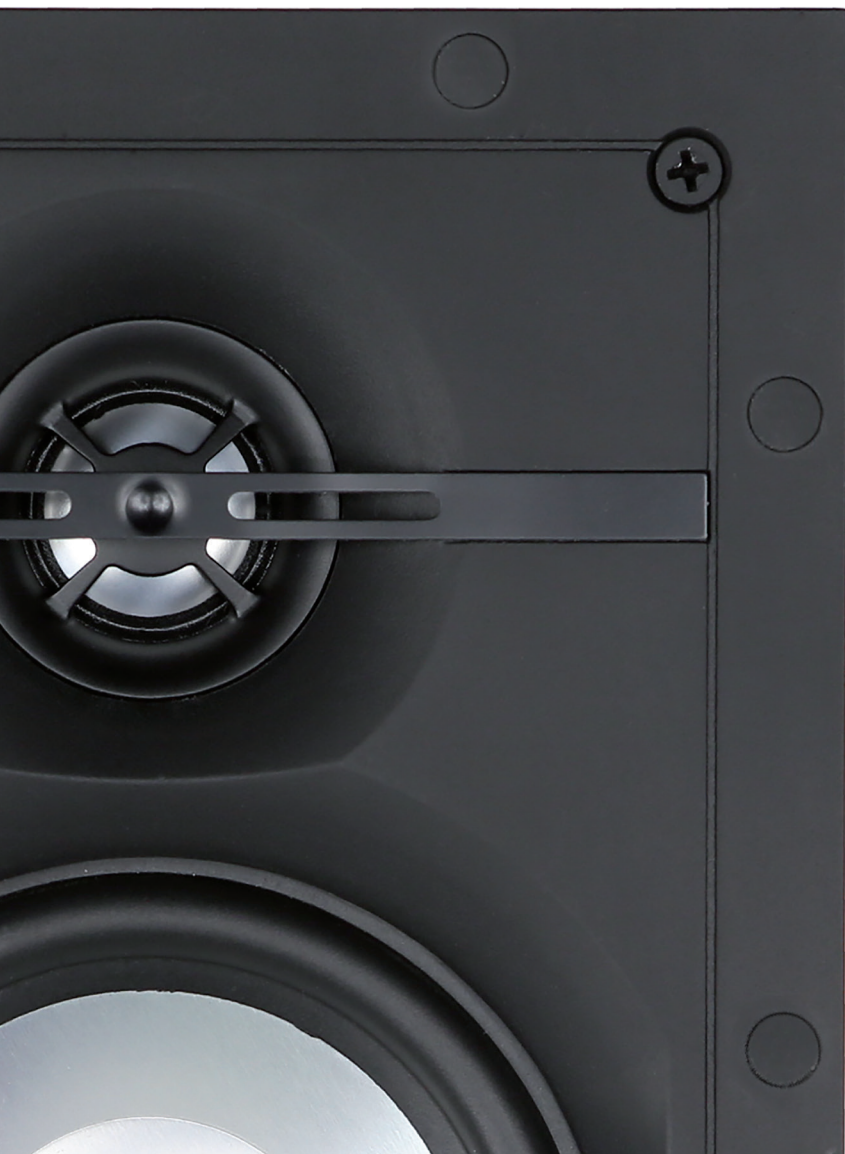
MERO2

Thanks to the 2" driver with aluminum cone and the ported design, this ultra-compact sized MERO2 not only sounds impressive but it also integrates smoothly into any interior. MERO2 comes available in both an 8Ω (MERO2) and 16Ω version (MERO2D).

Ω 8 Ohm | Ω 16 Ohm

MERO5

The medium sized MERO5 consists of a 5" aluminum cone woofer and a complementary 1" dome tweeter that are smoothly matched and optimized using a high-quality crossover network.

Ω 8 Ohm

MERO6

The largest MERO6 consists of a 6" aluminum cone woofer and a complementary 1" dome tweeter that are smoothly matched and optimized using a high-quality crossover network.

Ω 8 Ohm

Optional wall box
WMM20

The WMM20 is an optional accessory for the MERO2 speaker, allowing the speaker to be installed in any concrete or brick wall. The dimensions measure 96 mm x 144 mm, with a built-in depth of 83 mm.

Optional front grills

- black version (/B) - RAL9005
- paintable version (/P)

MERO2 : GLM02
MERO5 : GLM05
MERO6 : GLM06

	Max power	RMS power	Max SPL	Sensitivity 1W / 1 m	Impedance	Drivers	Freq response +- 3 dB	Cut-out dimensions	Dimensions
MERO2 & MERO2D	20W	10W	93 dB	83 dB	8 Ω 16 Ω (D)	2 "	120 Hz - 20 kHz	128 x 80 mm	106 x 152 x 70 mm
MERO5	100W	50W	102 dB	85 dB	8 Ω	1" HF & 5" LF	70 Hz - 20 kHz	139 x 214 mm	162 x 237 x 74 mm
MERO6	120W	60W	106 dB	88 dB	8 Ω	1" HF & 6" LF	55 Hz - 20 kHz	174 x 254 mm	197 x 277 x 82 mm

		Frequency range (-10 dB)	Max SPL	Max power handling	Closed back	Outdoor	70V
	CELO2	100 Hz - 20 kHz	93 dB	20W	✓		
	CELO5	55 Hz - 20 kHz	102 dB	100W			
	CELO6	44 Hz - 20 kHz	106 dB	120W			
	CELO8	32 Hz - 20 kHz	108 dB	160W			
	CELO8S		103 dB	2 x 100W			
	CENA3		97 dB	20W			1.5W / 3W
	CENA5	80 Hz - 18 kHz	103 dB	20W			1.5W / 3W
	CENA7	70 Hz - 18 kHz	106 dB	20W			1.5W / 3W
	CENA8	60 Hz - 18 kHz	112 dB	40W			3W / 6W
	CIRA5	45 Hz - 20 kHz	102 dB	60W		✓*	3W / 6W / 12W
	CIRA7	45 Hz - 20 kHz	103 dB	60W		✓*	3W / 6W / 12W
	CIRA8	33 Hz - 20 kHz	105 dB	80W		✓*	3W / 6W / 12W
	CALI424	70 Hz - 20 kHz	101 dB	60W	✓	✓*	3W / 6W / 12W / 24W
	CALI660	65 Hz - 20 kHz	106 dB	120W	✓	✓*	7.5W / 15W / 30W 60W
	AWP06	80 Hz - 18 kHz	95 dB	10W	✓	IP65	0.75W / 1.5W / 3W
	SSP500	55 Hz - 20 kHz	99 dB	40W		IP44	
	MERO2	100 Hz - 20 kHz	93 dB	20W	✓		
	MERO5	55 Hz - 20 kHz	102 dB	100W			
	MERO6	44 Hz - 20 kHz	106 dB	120W			

* CIRA and CALI optional GLI series grills are outdoor treated. This makes the speakers suitable for dry outdoor installation, the speakers are not splash nor waterproof.

100V	Impedance	Snap-Connect™	SpringFit™	QuickFit™	SafeLatch™	Cutout hole size | Built-in Depth	Dispersion
1,5W / 3W / 6W**	8 / 16 Ohm			✓		Ø 100 mm 95 mm	165°
6W / 12W / 24W **	8 Ohm			✓		Ø 155 mm 83 mm	255°
6W / 12W / 24W **	8 Ohm			✓		Ø 205 mm 100 mm	140°
6W / 12W / 24W **	8 Ohm			✓		Ø 245 mm 115 mm	135°
	8 Ohm			✓		Ø 250 mm 117 mm	
3W / 6W	8 Ohm	✓	✓			Ø 80 mm 72 mm	160°
3W / 6W	8 / 16 Ohm	✓	✓			Ø 150 mm 60 mm	155°
3W / 6W	8 / 16 Ohm	✓	✓			Ø 167 mm 70 mm	140°
6W / 12W	8 / 16 Ohm	✓	✓			Ø 207 mm 81 mm	130°
6W / 12W / 24W ***	8 / 16 Ohm			✓		Ø 170 mm 83 mm	145°
6W / 12W / 24W	8 / 16 Ohm			✓		Ø 200 mm 78 mm	150°
6W / 12W / 24W	8 / 16 Ohm			✓		Ø 243 mm 82 mm	140°
6W / 12W / 24W	8 Ohm				✓	Ø 170 mm 110 mm	155°
15W / 30W / 60W	8 Ohm				✓	Ø 220 mm 120 mm	145°
1,5W / 3W / 6W	8 Ohm		✓			Ø 125 mm 149 mm	
	8 Ohm					Ø 120 mm 60 mm	
1,5W / 3W / 6W **	8 / 16 Ohm					128 x 80 mm 70 mm	165°-165° (Hor.-Vert.)
6W / 12W / 24W **	8 Ohm					139 x 214 mm 71 mm	160°-140° (Hor.-Vert.)
6W / 12W / 24W **	8 Ohm					174 x 254 mm 79 mm	160°-140° (Hor.-Vert.)

** With addition of WTR06 (1,5W / 3W / 6W) or WTR24 (6W / 12W / 24W) Waterproof Transformer 100V.
*** Line Transformer Tappings CIRA506: 1,5W / 3W / 6W

WALL SPEAKERS

Design and performance orientated speakers for a wide variety of applications.

IMEO series

Professional 3-way soundbar

| | Bluetooth | | Lockable controls | | WavePresets™ | | Maximum volume level | | HDMI |

The IMEO2 Soundbar features a slim and elegant design and includes all required functions for expansion of any audiovisual system with an impressive sound, while having a minimal hassle for installation. It's perfectly suited for installations such as classrooms, presentation rooms or meeting rooms where it can be used and installed in combination with screens,smartboards or projectors.

The acoustics originate from a 3-way speaker construction, composed of two 1.5" high frequency drivers, two 2" mid frequency drivers and a low frequency section with two 2.5" low frequency drivers with an RMS rating. The power handling reaches an overall level of 60 Watt RMS. The Class-D amplifier with integrated WaveSelect DSP processing and transmission line configuration for the low-frequency drivers offers a crystalclear sound reproduction with stunning low-frequency response. Selectable

DSP presets offer optimization for applications such as presentations, music playback or video's.

Various input possibilities such as an unbalanced line input, HDMI (ARC) input or SPDIF (optical and coaxial) allow compatibility with a variation of input sources, while an integrated 4.2 Bluetooth receiver allows wireless connections with portable devices.

An included IR remote control allows input selection, volume control and EQ preset selection while the unique and clever wall mounting bracket allows convenient mounting to walls on any kind of surface or location with an optimal guiding andcoverage for the cables.

The auto standby function ensures that the IMEO is automatically put in energy-saving mode. This way, no unnecessary energy is lost, while the IMEO remains ready to play at any moment.

- ✓ 3-way soundbar design
- ✓ Integrated subwoofer
- ✓ Preset equalizer modes
- ✓ Bluetooth 4.2 wireless technology for streaming music
- ✓ Power source 100 ~ 240 V AC / 50 ~ 60 Hz

- ✓ USB playback (MP3, FLAC, WAV)
- ✓ HDMI (ARC with CEC) input
- ✓ Optical & coaxial inputs (SPDIF)
- ✓ Clever bracket system included
- ✓ Included remote control
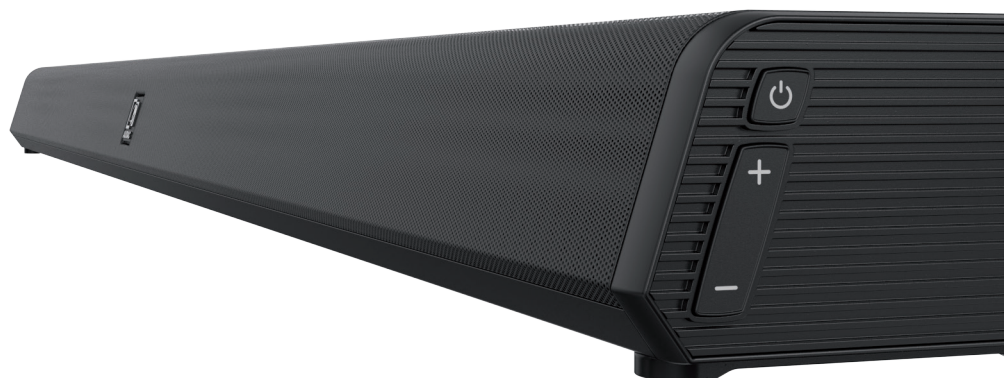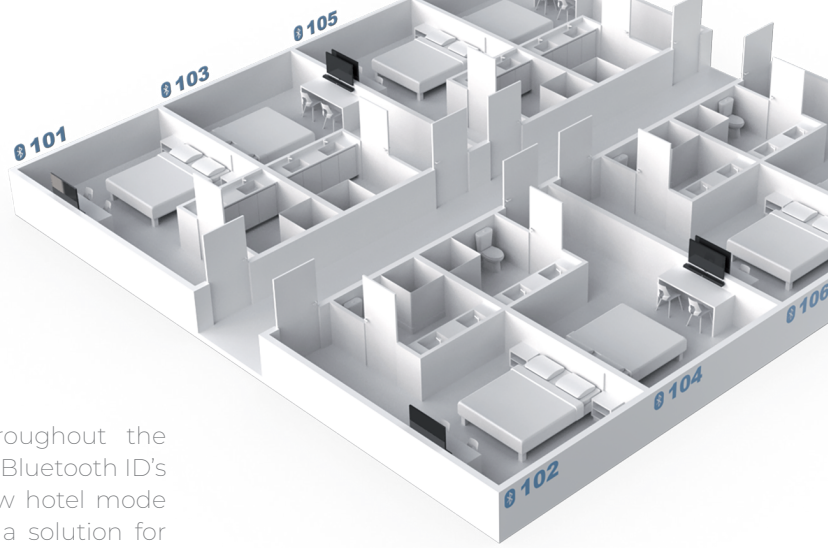
Hotel mode

For installations with multiple IMEO2's throughout the building, it can be very useful to assign custom Bluetooth ID's to distinguish them from each other. The new hotel mode we introduced in the recent firmware offers a solution for this! Using the hotel mode, the Bluetooth ID can be adjusted to 'AUDAC - IMEO2 + xxxx' where 'xxxx' is a 4-digit number, representing the room number, class number or meeting room number. In addition, the inputs and the volume of the IMEO2 are lockable. Like this is possible to prevent noise pollution between different rooms.

MBK440
Optional mounting bracket

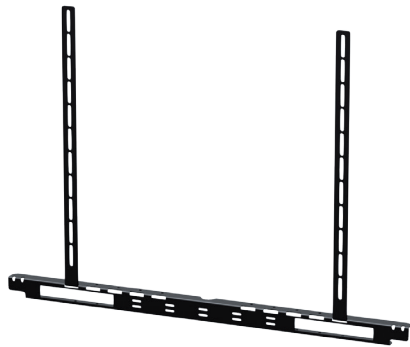The MBK440 is a mounting bracket system for fixation of the IMEO2 soundbar on any screen with mounting points compliant to the VESA200 up to VESA700 display mounting standards. It allows easy mounting of the IMEO series above and below the screen.

It is composed of two vertical and one horizontal bracket, the vertical brackets are attached to the screen while the horizontal bracket attaches to the included mounting bracket supplied with the IMEO series soundbar.

All IMEO series mounting options:

Top Wall Mount

Top Screen Mount

Table Standing

Bottom Wall Mount

Bottom Screen Mount

White version: IMEO1/W

	Output power	RMS power	Max SPL	Drivers	Freq response +- 3 dB	Dimensions (Incl. bracket)	Colours
IMEO1/W	2 x 15W 1 x 30W	60W	90 dB	2 x 2.5" MF/LF 2 x 1.75" HF	45 Hz - 20 kHz	1000 x 61 x 134 mm	White
IMEO2/B	2 x 15W 1 x 30W	60W	90 dB	2 x 2.5" LF 2 x 2" MF 2 x 1.5" HF	40 Hz - 20 kHz	1000 x 61 x 134 mm	Black

ATEO series
Wall speakers with CleverMount™

The ATEO is a series of extraordinary speakers especially designed for fixed install indoor applications, ranging from modern residential applications to the most demanding designer applications in environments such as retail stores, pubs, restaurants or even clubs thanks to its high power components and extremely wide spread angle.

ATEO speakers are available in black (/B) or white (/W).
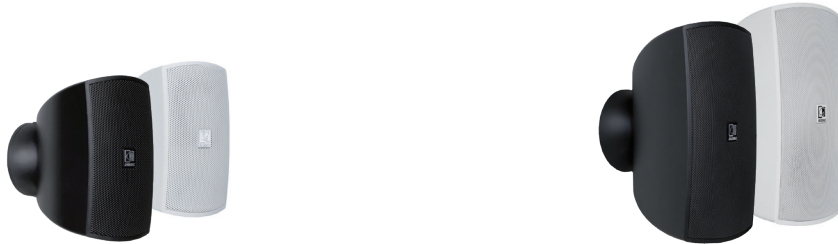
ATEO2

The ATEO2 is the 2" version, with a 2" full range aluminum cone speaker guaranteeing a clear and crisp sound with minimal visual impact. It features a stunningly designed and elegant looking ABS housing fitted with high-quality components. ATEO2 speakers are available in black (/B) or white (/W) and 16Ω version ATEO2D).

Ω 8 Ohm | Ω 16 Ohm

/B   /W

ATEO4

The ATEO4 is the 4" version, with a 1" dome tweeter and a 4" Mid / Low frequency driver, ensuring a true to nature, high-fidelity reproduction of music and speech. It features a stunningly designed and elegant looking ABS housing which is fitted with high-quality components. ATEO4 speakers are available in black (/B) or white (/W).

Ω 8 Ohm | Ω 16 Ohm | ⚡ 70-100 Volt

/B   /W

ATEO2S

A combination of your trusted ATEO2 speaker and a specially designed surface ceiling mount with Clickmount™ technology.

ATEO2S : ATEO2 with surface ceiling mount
ATEO2SD : ATEO2D with surface ceiling mount

All available in black (B) and white (/W).

RMA40A & RMA45A (For ATEO4)

The RMA40A & RMA45A are adapters for assembling ATEO4 loudspeakers on light rails which are commonly used in installations such as retail environments. It comes with an included WMA adapter, offering optimal possibilities for inclination in any direction. A mechanical connection is provided, without having any electrical connection between the loudspeaker and the light rail.

It is compatible with (smart) 3-phase lighting tracks from most major brands including Global trac and Eutrac.

ATEO6

The ATEO6 is the 6" version, with a 1" dome tweeter and a 6" Mid / Low frequency driver, ensuring a true to nature, high-fidelity reproduction of music and speech. It features a stunningly designed and elegant looking ABS housing which is fitted with high-quality components. ATEO6 speakers are available in black (/B) or white (/W).

Ω 8 Ohm | Ω 16 Ohm | ⚡ 70-100 Volt

/B   /W

CMA series

The CMA series mounting sets are designed for mounting ATEO series speaker clusters (two or four) to ceilings. This offers solutions for large open indoor spaces offering a uniform sound dispersion in all required directions. They can fit both ATEO4 or ATEO6 speakers and come delivered as a complete set including pole and ceiling mount.

CMA142 & CMA144
Cluster mounting set for 2 or 4 x ATEO4 speakers
Available in black (/B) and white (/W)

CMA162 & CMA164
Cluster mounting set for 2 or 4 x ATEO6 speakers
Available in black (/B) and white (/W).

Improved features MK2:

✓ Improved crossover

✓ Ultra-flat frequency response

WMA series
Optional incline bracket

WMA20 : incline bracket for ATEO2
WMA40 : incline bracket for ATEO4
WMA60 : incline bracket for ATEO6

	Max power	RMS power	Max SPL	Sensitivity 1W / 1 m	Impedance	Power taps @ 100V	Power taps @ 70V	Freq response +- 3 dB	Dimensions
ATEO2	20W	10W	93 dB	83 dB	8 Ω	-	-	120 Hz – 20 kHz	80 x 136 x 111.5 mm
ATEO2D	20W	10W	93 dB	83 dB	16 Ω	-	-	120 Hz – 20 kHz	80 x 136 x 111.5 mm
ATEO4MK2	70W	35W	101 dB	86 dB	8 Ω	24 / 12 / 6W	24 / 12 / 6 / 3W	100 Hz - 20 kHz	137 x 224 x 154 mm
ATEO4D	70W	35W	101 dB	86 dB	16 Ω	-	-	100 Hz - 20 kHz	137 x 224 x 154 mm
ATEO6	120W	60W	106 dB	89 dB	8 Ω	50 / 25 / 12.5W	50 / 25 / 12.5 / 6.25 W	65 Hz - 20 kHz	194 x 350 x 220 mm
ATEO6D	120W	60W	101 dB	86 dB	16 Ω	-	-	65 Hz - 20 kHz	194 x 350 x 220 mm

WX series MK2
Universal wall speakers

The WX series MK2 comprises of both indoor and outdoor 2-way performance speakers suited for a wide variety of applications, delivering true to nature, high fidelity reproductions of music and speech. For optimal orientation, an included mounting bracket allows for horizontal or vertical mounting as well as focusing of the speaker in the desired direction. Thanks to a built-in line transformer, they can be used in both 70/100V or low impedance applications

This new series retains all its strengths but has also been upgraded in a few specific areas with installer convenience and durability in mind. The connection of the indoor speakers has been changed to a terminal block, which makes it easier to install a single WXMK2 wall speaker. In addition it can also be easily looped through with several speakers.

Both indoor and outdoor versions are now equipped with an elegant rotatable AUDAC logo.

WX302MK2

The WX302 is the smallest speaker of the WX family, fitted with a 1" dome tweeter and a 3" low frequency speaker. It delivers a power of 30W in standard 8Ω systems, but can also be used in 70/100V PA systems. This speaker is available in two colours: white (/W) and black (/B).

Horizontal Coverage: 100°
Vertical coverage: 100°

Ω 8 Ohm | ⚡ 70-100 Volt

/B /W

WX502MK2

The WX502 is the medium speaker of the WX family, fitted with a 1" dome tweeter and a 5 ¼" low frequency speaker. It delivers a power of 50W in standard 8Ω systems, but can also be used in 70/100V PA systems. This speaker is available in two colours: white (/W) and black (/B).

Horizontal coverage: 110°
Vertical coverage: 110°

Ω 8 Ohm | ⚡ 70-100 Volt

/B /W

WX802MK2

The WX802 is the largest speaker of the WX family, fitted with a 1" dome tweeter and a 8" low frequency speaker. It delivers a power of 70W in standard 16Ω systems, but can also be used in 70/100V PA systems. TThis speaker is available in two colours: white (/W) and black (/B).

Horizontal coverage: 110°
Vertical coverage: 110°

Ω 16 Ohm | ⚡ 70-100 Volt

/B /W
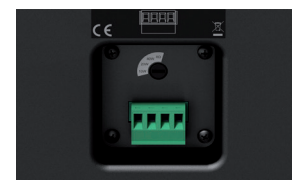
Terminal block connection

	Max power	RMS power	Max SPL	Sensitivity 1W / 1 m	Impedance	Power taps @ 100V	Power taps @ 70V	Freq range -10 dB	Dimensions
WX302MK2	60W	30W	100 dB	85 dB	8 Ω	20 / 10 / 5W	20 / 10 / 5 / 2.5W	60 Hz - 20 kHz	199 x 129 x 120 mm
WX502MK2	100W	50W	102 dB	87 dB	8 Ω	40 / 20 / 10W	40 / 20 / 10 / 5W	55 Hz - 20 kHz	212 x 147 x 136 mm
WX802MK2	140W	70W	108 dB	89 dB	16 Ω	60 / 30 / 15W	60 / 30 / 15 / 7.5W	50 Hz - 20 kHz	270 x 360 x 215 mm

Outdoor wall speakers

The additional features of the WXMK2 outdoor series really make the difference. A drain hole makes sure the moisture can flow out freely when condensation occurs. The special designed waterproof AWX5™ connector lets you set the power for the speakers in three adjustable steps for 70/100V and one step for low impedance applications.

The enclosure is made of durable weatherproof ABS, while the material used for the mounting bracket on the outdoor versions has been improved by using aluminum, making the WX series MK2 even more resistant to extreme weather conditions.

WX302MK2/O

The WX302/O is a compact 2-way 3" speaker specifically designed for outdoor use and lends itself to a variety of applications, ensuring true to nature, high-fidelity reproduction of music and speech. This outdoor speaker is available in black (/OB) and white (/OW).

Horizontal coverage: 100°
Vertical coverage: 100°

Ω 8 Ohm   70-100 Volt
IP55   Weatherproof

/B /W

WX502MK2/O

The WX502/O is a powerful 2-way 5" speaker which is especially designed for outdoor use, ensuring true to nature, high fidelity reproduction of music and speech. This outdoor speaker is available in black (/OB) and white (/OW).

Horizontal coverage: 110°
Vertical coverage: 110°

Ω 8 Ohm   70-100 Volt
IP55   Weatherproof

/B /W

WX802MK2/O

The WX802/O is a powerful 2-way, 8" speaker which is specifically designed for outdoor use. It lends itself to a wide variety of outdoor applications, ensuring a clear and powerful sound reproduction. This outdoor speaker is available in black (/OB) and white (/OW).

Horizontal coverage: 110°
Vertical coverage: 110°

Ω 16 Ohm   70-100 Volt
IP55   Weatherproof

/B /W

MBK556*

A slim and durable bi-directional mounting solution designed specifically for the WX series outdoor loudspeakers

*Only compatible with the WX302MK2/O and WX502MK2/O.

	Max power	RMS power	Max SPL	Sensitivity 1W / 1 m	Impedance	Power taps @ 100V	Power taps @ 70V	Freq range -10 dB	Dimensions
WX302MK2/O	60W	30W	100 dB	85 dB	8 Ω	20 / 10W	20 / 10 / 5W	60 Hz - 20 kHz	199 x 129 x 120 mm
WX502MK2/O	100W	50W	102 dB	87 dB	8 Ω	40 / 20W	40 / 20 / 10W	55 Hz - 20 kHz	212 x 147 x 136 mm
WX802MK2/O	140W	70W	108 dB	89 dB	16 Ω	60 / 30W	60 / 30 / 15W	50 Hz - 20 kHz	270 x 360 x 215 mm

ARES series

2-Way Stereo active speaker system

- ✓ Standby energy saving mode
- ✓ Vertical and horizontal mounting
- ✓ Stereo active speaker system (one active & one passive model)
- ✓ Recessed mounting bracket
- ✓ Remote wall panel input connection

The ARES5A is a 2-way active speaker system consisting of an active and passive unit to be linked with each other. It offers an easy and flexible solution for a wide variety of applications.The 2-way loudspeaker is carefully constructed out of high quality components resulting in a 5 ¼" woofer and a ½" high frequency tweeter. This craftmanship in combination with an integrated DSP is creating an extremely clear and powerful sound experience for a wide range of applications.

A complete audio solution

A remote input connection implemented through an RJ45 connector allows wall panel connections, allowing expansion of the system through remote input modules. Control up to 4 ARES5A sets (8 speakers) with the WP2xx series remote wall mixers (find out more on page 170).

Bluetooth
(Option available)

Optional WP205

Multi-functional mounting bracket

A specially designed bracket system allows close to wall installation of the speakers.. An inclination up to 45° on both sides is guaranteed. Due to the fact that the bracket itself consists of 2 x 45° corners, installation in corners or even ceiling can easily be achieved.

The optional MBK455 angled mounting bracket set allows for an extra inclination of 90° when needed.

Optional MBK455

Clear and powerful sound experience

The 2-way loudspeaker uses a high-quality 5 ¼" woofer and a ½" high-frequency tweeter. In combination with an integrated DSP it creates an extremely clear and powerful sound experience for a wide range of applications.

Energy eficient solution

This intelligent speaker reduces power consumption to less than 0.5 watts by automatically switching the active monitor to standby when no audio signal has been detected for some time. When it receives an audio signal again, the loudspeaker turns back on.

	RMS power	Dynamic power	Sensitivity (1W/1m)	Frequency response +- 3 dB	Dimensions (Incl. bracket)	Weight (pair)
ARES5A	2 x 20W	2 x 40W	89 dB	80 Hz - 20 kHz	150 x 240 x 194 mm	3.5 kg

VIRO series
Compact performance loudspeaker

The VIRO5 is a 2-way coaxial loudspeaker that comes in both black & white that will blow you away with its powerful punch delivered in a compact package.

The VIRO5 incorporates a soft, silk-domed tweeter for smooth tonality and a 5" 2-way coaxial speaker driver to achieve an impressive coverage range and high excursion. This unique acoustical composition delivers an uncompromised clarity and surprisingly low frequency response.

| Ω 8 Ohm | Ω 16 Ohm | ⚡ 70-100 Volt* | ○○ IP55 | ☂ Weatherproof |

*Optional transformer

/B /W

Weather-resistant

With an IP55 rating, VIRO5 stands up to humidity, rain, snow, limited dust, UV rays and extreme heat and cold.

VIRO5 with MBK523/G

A sound that lasts

VIRO5 incorporates a soft, silk-domed tweeter for smooth tonality and a 5" 2-way coaxial speaker driver to give the ideal size-to-sound ratio for a wide range of applications.

Remarkable build quality

Crafted in high-grade aluminium with incredible attention to detail. The material choice goes well beyond aesthetics. It also provides superior acoustic properties thanks to its material stiffness and seamless surfaces that eliminate any distortion of your sound.
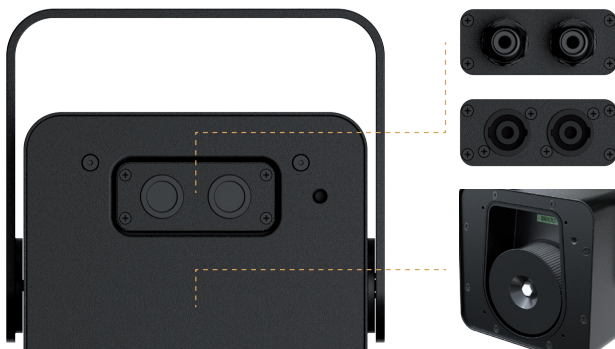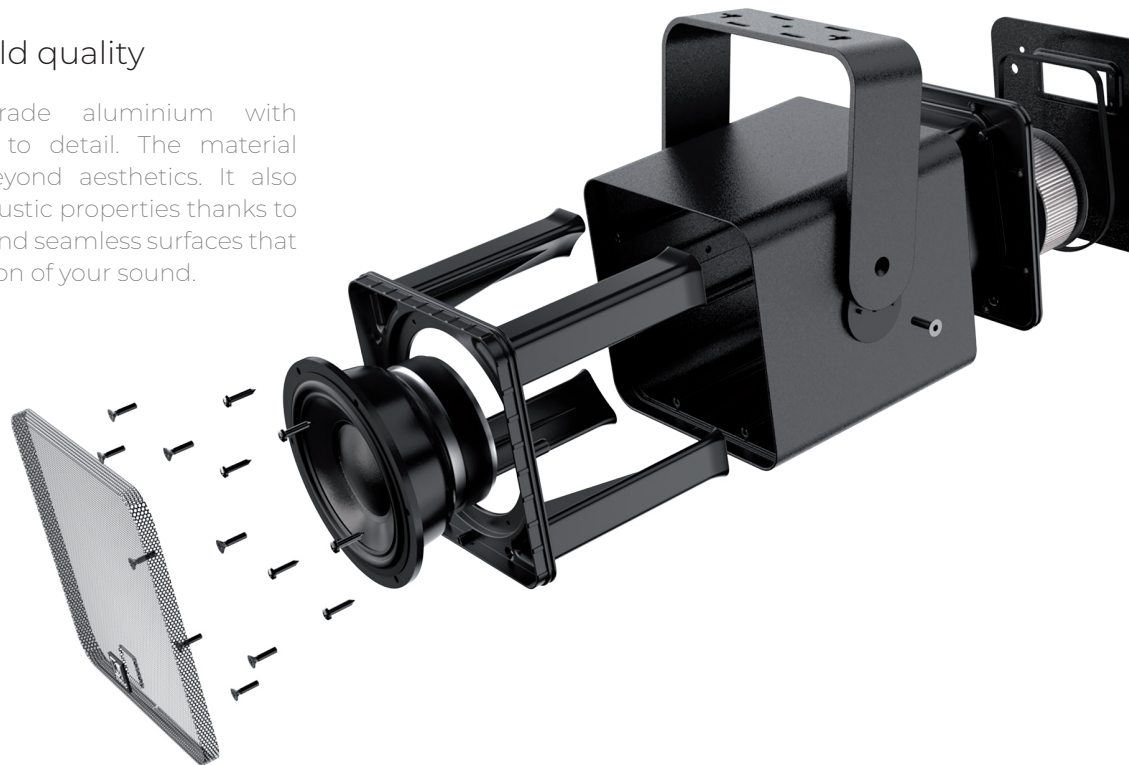
Always the right connection

Exchange your connections easily. From cable glands with rubber grommets to optional XLR connections and even an optional 70/100V transformer (TRV106).

TRV106

	RMS power	Program power handling	Impedance	Freq response +- 3 dB	Dimensions (Excl. bracket)	Weight
VIRO5	60W	120W	8 Ω	60 Hz – 20 kHz	180 x 180 x 191 mm	4.75 kg
VIRO5D	60W	120W	16 Ω	60 Hz – 20 kHz	180 x 180 x 191 mm	4.75 kg

ALTIxM series
Design surface loudspeakers

The ALTI6M is a variant of the ALTI pendant speakers, featuring a die-cast mounting bracket for wall & ceiling mount purposes. This allows the same audio system design and identity throughout the entire installation in case some areas are not allowing pendant solutions being used due to the ceiling heights or structures. Acoustics and construction are identically crafted, while connections are made through weatherproof AWX5™ connectors, this construction has an IP65 rating.

ALTIxM series speakers are available in black (/B) or white (/W).

ALTI4M

The ALTI4M features a 2-way 4" driver with a coaxially mounted 1" soft dome tweeter and is fitted with a phase plug for excellent off-axis performance.

Ω 16 Ohm | ⚡ 70-100 Volt | 💧 IP65

/B /W

ALTI6M

The ALTI6M features a 2-way 6,5" driver with a coaxially mounted 1" soft dome tweeter and is fitted with a phase plug for excellent off-axis performance.

Ω 16 Ohm | ⚡ 70-100 Volt | 💧 IP65

/B /W

Unique mounting possibilities

A die-cast mounting bracket makes wall & ceiling mounting possible in any desired angle. This swivelling bracket allows the same audio system design and identity throughout the entire installation.

Wide opening angle

The wide opening angle of the speaker guarantees an exceptional dispersion in all different kinds of applications and locations with high ceilings and large open spaces.

Outdoor rated construction

Thanks to a special coating applied to the drivers, the AWX5™ connection and an IP65 rating, the ALTI series are also suitable for use in applications with high levels of humidity.

Optional accessories

MBK523/G

A galvanized ground pin that makes it possible to provide all kinds of gardens with the premium sound experience.

/G

MBK530

This pole mount adapter allows the ALTIM versions to be used in parking lots or mounted to light poles of up to 140mm diameter.

/B /W

	Max power	RMS power	Max SPL @16Ω	Sensitivity 1W / 1 m	Power taps @ 100V	Power taps @ 70V	Voltage	Freq response +- 3 dB	Dimensions
ALTI4M	60W	30W	95 dB	80 dB	24 / 12W	24 / 12 / 6 W	70 - 100V	85 Hz - 20 kHz	205 x 170 x 285 mm
ALTI6M	20W	10W	93 dB	83 dB	60 / 30 / 15 W	60 / 30 / 15 / 7.5 W	70 - 100V	75 Hz - 17 kHz	235 x 230 x 336 mm

XENO series
Full range speakers

The XENO series is a speaker range specifically designed for fixed audio installations in modern environments, offering two different sizes of contemporary and elegantly designed products. What makes them so unique is their full range audio design, allowing them to be used without additional bass cabinet.

All XENO series speakers are available in black (/B) or white (/W).

XENO6

The XENO6 is the 6" version, featuring a 1" dome tweeter and a 6" Mid / Low frequency driver, ensuring a high-fidelity sound. This wooden cabinet is fitted with a slim and elegant front grill.

Horizontal coverage: 100°
Vertical coverage: 100°

Ω 8 Ohm

XENO8

The XENO8 is the 8" version, with a 1" dome tweeter and a 8" Mid / Low frequency driver, ensuring a true to nature, high-fidelity reproduction of music and speech. This wooden cabinet is fitted with a slim and elegant front grill.

Horizontal coverage: 100°
Vertical coverage: 100°

Optionally available : Cover bag (PROMO5501)

Ω 8 Ohm
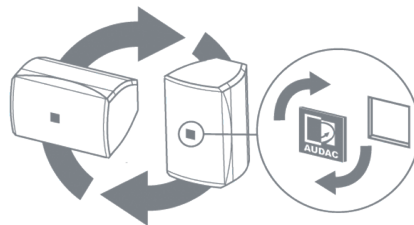
Rotatable logo design
for horizontal and vertical mounting

	Max power	RMS power	Max SPL	Sensitivity 1W / 1 m	Freq response +- 3 dB	Dimensions	Weight
XENO6	160W	80W	110 dB	88 dB	65 Hz - 18 kHz	210 x 345 x 220 mm	5.6kg
XENO8	240W	120W	110 dB	89 dB	60 Hz - 18 kHz	250 x 380 x 262 mm	7.8 kg
VEXO8	350W	175W	115 dB	92 dB	65 Hz - 20 kHz	250 x 380 x 262 mm	9.7 kg

VEXO8
Compact high-power speaker

The exceptional accuracy and clarity coming from the VEXO8 is recommended to be extended with a complementary bass cabinet adding the punchy & deep bass, resulting in a stunning sound over the entire frequency range.
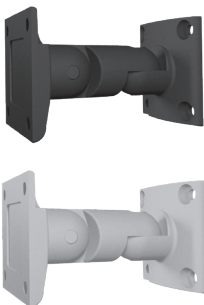
VEXO8

The VEXO8 is a high-output speaker cabinet, featuring a 8" high efficiency Mid / Low range driver and 1" compression driver fitted with a rotatable horn, providing a powerful and detailed sound in a compact cabinet.

Horizontal coverage: 100°
Vertical coverage: 80°

Optionally available : Cover bag (PROMO5501)

Ω   8 Ohm

Mounting Bracket
(Included)

WBP100
(Optional)

VEXO series
High performance 2-way loudspeakers

The VEXO series are compact high performance 2-way loudspeakers and come in 3 different (active or passive) models, each of them have a different size and performance to meet the requirements of every possible application.

The low-frequency transducer, which is made out of high-quality materials, is combined with a 1.7" voice coil compression driver, enabling high sound pressure levels and a tight driver response with a rotatable 90° x 70° coverage pattern for a wide range of applications.

VEXO110(A)

10" high performance 2-way (active) loudspeaker

Ω 8 Ohm | ⚡ 70-100 Volt

/B /W

VEXO112(A)

12" high performance 2-way (active) loudspeaker

Ω 8 Ohm | ⚡ 70-100 Volt

/B /W

VEXO115(A)

15" high performance 2-way (active) loudspeaker

Ω 8 Ohm | ⚡ 70-100 Volt

/B /W

Mounting made easy

A possible inclination of -90° to +35° ensures optimal positioning of the speakers. It is even possible to mount the VEXO series to the ceiling which allows installing the loudspeaker cleanly in any environment. The cabinet is also fitted with a 35 mm pole adapter and ample rigging points.

Optional MBK11xV
Clever U-bracket

Empowering clarity

This aspiration has inspired us to design a high performance 2-way loudspeaker that provides exceptional accuracy and clarity coming from this refined enclosure.

Convenient connection

Two slanted XLR speaker connectors provide reliable connections with easy link-through to cabinets. Install your speaker cables at an angle to avoid any interuptions or unwanted disconnections.

Optional 100V transformer

By removing the backplate and replace it with a 70/100V backplate on which the module is integrated, the high-performance loudspeaker is able to be inplemented in 70/100V systems.

TRM124	70/100V transformer module VEXO110 - 240 & 120W
TRM224	70/100V transformer module VEXO110 & VEXO115 - 240 & 120W
TRM248	70/100V transformer module VEXO110 & VEXO115 - 240 & 120W

	Peak power handling	Program power handling	RMS/AES power handling	Max SPL @16Ω	Sensitivity 1W / 1 m	Dispersion	Impedance / Transformer (Optionally 70-100V)	Freq response +- 3 dB	Dimensions	Weight
VEXO110	1200W	600W	300W	121 dB	96 dB	90° x 70°	8 Ω / Yes	65 Hz - 20 kHz	329 x 540 x 345 mm	16.8 kg
VEXO110A	1200W	450W	300W	121 dB	96 dB	90° x 70°	8 Ω / No	65 Hz - 20 kHz	329 x 540 x 345 mm	18 kg
VEXO112	1600W	800W	400W	125 dB	99 dB	90° x 70°	8 Ω / Yes	58 Hz - 20 kHz	369 x 610 x 390 mm	22.4 kg
VEXO112A	1600W	600W	400W	125 dB	99 dB	90° x 70°	8 Ω / No	58 Hz - 20 kHz	369 x 610 x 390 mm	23.5 kg
VEXO115	2000W	1000W	500W	127 dB	100 dB	90° x 70°	8 Ω / Yes	50 Hz - 20 kHz	429 x 690 x 450 mm	28.1 kg
VEXO115A	2000W	750W	500W	127 dB	100 dB	90° x 70°	8 Ω / No	50 Hz - 20 kHz	429 x 690 x 450 mm	28.3 kg

VEXO active series

*Discover what this solution can do for your installation*

Optional ANI44XT

Unlock a world of possibilities

By installing the optional ANI44XT Dante™ audio network interface in the active version, you will be able to integrate the new VEXO series into any Dante™ enabled AV network and transfer digital audio with any compatible solution on the market.

TouchLink™ compatible

Used for creating virtual zones by linking multiple compatible devices with each other. In AUDAC Touch™ or directly on the device you can select multiple amplifier channels that should react to the user as one zone. By installing the ANI44XT the VEXO series will be compatible with AUDAC Touch™ and TouchLink™.

ZONE 1

ZONE 2

TouchLink™ zone
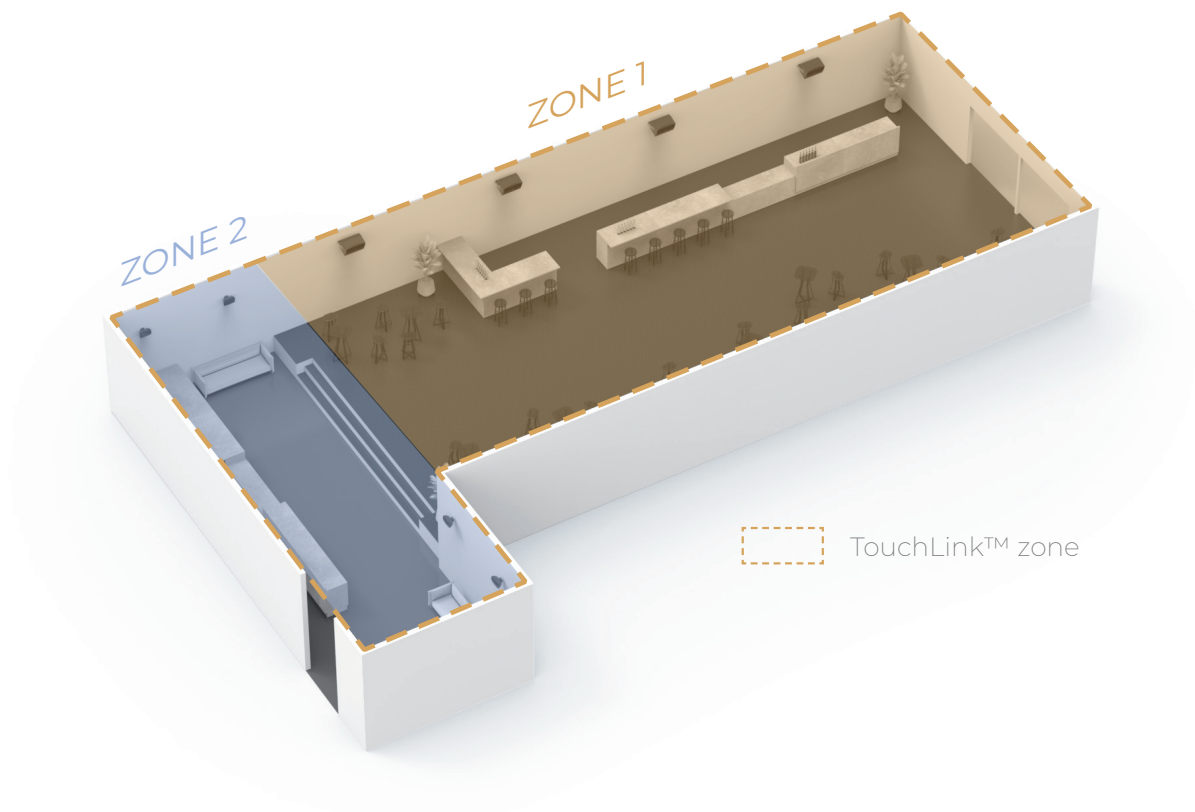
Controllability at your fingertips

A complete library of speaker presets is available for your projects, making it as easy as picking the right file, loading it & play! Besides the optimal acoustic configurations, this library also includes the loudspeaker performance parameters providing a bulletproof protection for your audio system.

AUDAC Touch™

Limiter   Digital Audio Filters   Speaker Protection   Dynamic Bass   Speaker Presets   Energy Efficiency
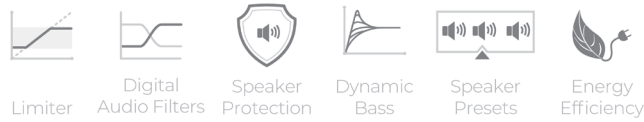
WaveDynamics™ and integrated DSP processor

Thanks to it's WaveDynamics™ compatibility and DSP processor, the audio control and processing technology enable any user to effortless control the most advanced acoustic configurations. The integrated DSP allows pre-sets for full-range, satellite and custom configurations and can be loaded via the USB slot on the back of the device. When not in use, the active versions of the VEXO series devices automatically go into an energy-saving standby mode.

Energy-saving standby mode

FX series
High-output speaker systems

The FX series is a unique and versatile speaker system series. When you combine the FX1.18 bass cabinet with the FX3.15 3-way active speaker cabinet, this truly modular system can be scaled and adapted for every application where a powerful system with a high clarity and sound quality is required. The compact enclosures are provided with weatherproof and scratch resistant DuraCoat™ textured paintwork and are fitted with eight carry handles allowing easy carriage and handling of the system. The integrated metal rigging frame allows easy and secure rigging, allowing multiple cabinets to be rigged together.

FX3.15

The FX3.15 is a 3-way high-output, active driven compact High / Mid / Mid-Bass speaker cabinet which is a part of the unique and versatile FX series system.

This 3-way cabinet includes a 15" horn-loaded Mid-Bass driver, 6" loaded mid speaker and 1.75" PEEK (Polyether ether ketone) compression driver. The entire system has a power handling of 750 Watt RMS with a maximum power of 1500 Watt. The Mid-Bass section takes part for 500 Watt RMS while the Mid section takes part for 200 Watt RMS and the High section represents 50 Watt RMS. The horn with a coverage pattern of 90° x 40° incorporates both High and Mid frequency drivers which can be rotated allowing complete flexibility in selection of horizontal & vertical as well as left & right positioning.

This system shall be active processed and powered by separate amplifiers for each section. The connections for each sections are performed using two 8-pin speakon compatible connectors, allowing linkthrough when multiple identical speakers are used in the same system.

Ω 8 Ohm | IPx5 | ☂ Weatherproof

FX1.18

The FX1.18 is a high-output, horn-loaded single 18" bass cabinet which is designed as a part of the unique and versatile FX series system.

This horn loaded subwoofer cabinet includes an 18" woofer, achieving an RMS power handling of 800 Watt with a maximum power of 1600 Watt. The sensitivity of 102 dB and maximum sound pressure level of 131 dB in combination with the flat frequency response from 37 Hz to 130 Hz ensures a tight, up-front, low frequency reinforcement with attack and definition.

The connections are performed using two 4-pin speaker connectors, allowing linkthrough when multiple identical speakers are used in the same system.

Ω 8 Ohm | IPx5 | ☂ Weatherproof

	Max power	RMS power	Impedance	Sensitivity 1W/1m	Max SPL	Frequency range -10 dB	Dimensions	Weight
FX1.18	1600W	800W	8 Ω	102 dB	131 dB	33 Hz - 130 Hz	714 x 600 x 800 mm	63.3 kg
FX3.15	1500W	750W	8 Ω	105 dB	134 dB	85 Hz - 20 kHz	714 x 456 x 580 mm	47.5 kg

MBK302S

The MBK302S is a flying system for the FX series speaker cabinets, providing safe and secure mounting for one FX1.18 and FX3.15 to any type of ceiling or other supporting structure.

The set contains all sideboards, the connection plate and all required accessories such as bolts and safety wires for mounting and securing the speakers onto the base of the frame. Using the connection plate, the incline angle between the upper and lower cabinet can be set in a range of 30° to 50° in steps of 5°.

The construction of all parts is made out of corrosion resistant zinc-plated steel with a thickness of 4 mm. Additionally, a black powder coating provides further resistance to the elements.

Rainbow Stadium | Zulte Waregem, Belgium runs on AUDAC

		Frequency range (-10 dB)	Max SPL	Max power handling	Woofer size	Outdoor version available
	ATEO2(S)	100 Hz - 20 kHz	93 dB	20W	2"	
	ATEO4	65 Hz - 20 kHz	101 dB	70W	4" (MF/LF) 1" (Tweeter)	
	ATEO6	55 Hz - 20 kHz	106 dB	120W	6" (MF/LF) 1" (Tweeter)	
	ALTI4(M)	65 Hz - 20 kHz	95 dB	60W	4"	✓
	ALTI6(M)	61.5 Hz - 20 kHz	101 dB	120W	6"	✓
	NELO706	70 Hz - 18 kHz	96 dB	20W	6.5"	
	WX302(O)	60 Hz - 20 kHz	100 dB	60W	3"	✓
	WX502(O)	33 Hz - 20 kHz	104 dB	100W	5"	✓
	WX802(O)	70 Hz - 20 kHz	108 dB	140W	8"	✓
	VIRO5(D)			60W	5"	✓
	XENO6	65 Hz - 20 kHz	110 dB	160W	6"	
	XENO8	80 Hz - 18 kHz	110 dB	240W	8"	
	VEXO8	55 Hz - 20 kHz	115 dB	350W	8" (MF & LF) 1" (Comp)	
	VEXO110(A)	65 Hz - 20 kHz	121 dB	1200W	10" (LF) 1.7" VC and 1" throat (Comp.)	
	VEXO112(A)	58 Hz - 20 kHz	125 dB	1600W	12" (LF) 1.7" VC and 1" throat (Comp.)	
	VEXO115(A)	50 Hz - 20 kHz	127 dB	2000W	15" (LF) 1.7" VC and 1" throat (Comp.)	

* By installing the optional ANI44XT Dante™ audio network interface, the VEXO series can be integrated into any Dante enabled AV network and transfer digital audio with any compatible solution on the market.

This speaker matrix only shows the AUDAC wall loudspeaker range , of course there are more speaker solutions available. Discover all of them on our website or in this catalogue.

70V	100V	Impedance	Clever-Mount™	Duracoat™	TouchLink™ compatible
		8 / 16 Ohm	✓		
3W / 6W / 12W / 24W	6W / 12W / 24W	8 / 16 Ohm	✓		
6.25W / 12.5W / 25W / 50W	12.5W / 25W / 50W	8 / 16 Ohm	✓		
3W / 6W / 12W / 24W	6W / 12W / 24W	16 Ohm			
7.5W / 15W / 30W / 60W	15W / 30W / 60W	16 Ohm			
1.5W / 3W / 6W	3W / 6W	8 Ohm			
2.5W / 5W / 10W / 20W	5W / 10W / 20W	8 Ohm			
5W / 10W / 20W / 40W	10W / 20W / 40W	8 Ohm			
7.5W / 15W / 30W / 60W	15W / 30W / 60W	16 Ohm			
		8 / 16 Ohm			
		8 Ohm		✓	
		8 Ohm		✓	
		8 Ohm		✓	
		8 Ohm		✓	✓[*]
		8 Ohm		✓	✓[*]
		8 Ohm		✓	✓[*]

VOLUME

GREEN
ORANGE
RED

SIGNAL / INP. CLIP
STANDBY / OUTP. CLIP
ERROR / OUTP. CLIP

NOBA8A
AUDAC

AUDAC

BASS CABINETS

The perfect balance between power and size, these bass cabinets offer the best performance for any application.

NOBA8 & NOBA8A
8" compact bass cabinet

ENERGY STAR | USB

NOBA is characterized by an innovative & unique design. With its curved shape, made of 4 mm thick aircraft graded aluminum and its extremely powerful 8" woofer of 200 Watts, the NOBA is able to deliver an unheard low frequency response for its small woofer size.

The perfect acoustic experience is guaranteed when the entire audio frequency spectrum is equally distributed. The slick look of the NOBA allows it to be placed against a wall, on the ceiling or even underneath furniture, yet due to the unique composition of its parts, NOBA ensures a much better spreading of sound waves than other similar cabinets. NOBA's integrated class-D

amplifier provides an impressive clarity of 150 Watts for both of the top speaker outputs to ensure impeccable sound division.

The brand new bass cabinet uses AUDAC's WaveDynamics™ technology, which allows the user to easily set up the optimal acoustic configuration. The user can simply load its preferred audio settings through NOBA's integrated USB input.

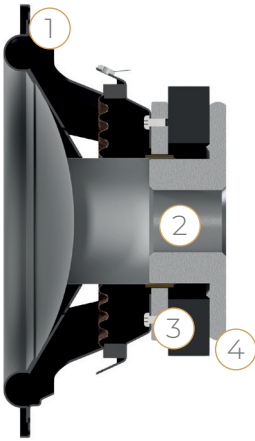A wall mount bracket is included.

WaveDynamics™

A complete library of set solution presets is available for your projects, making it as easy as picking the right file, loading it & play! Besides the optimal acoustic configurations, this library also includes the loudspeaker performance parameters providing a bulletproof protection for your audio system.

| Limiter | Digital Audio Filters | Speaker Protection | Dynamic Bass | Speaker Presets | Energy Efficiency |

WaveDynamics™ configurator
AUDAC Touch™

① Low loss & low temperature dependency suspension

② 2.4" voice coil for high power handling

③ Impressive motor strength and accurate displacements due to large magnet size

④ High excursion capability

WaveDynamics™ DSP and loudspeaker management ①

600 Watts Class-D Power amplifier ②

USB connection for preset loading & control ③

Satellite amplifier for set solutions (2.1) ④

Software configurable standby function (energy-star) ⑤

Wide operation range switch mode power supply with power factor correction ⑥

① Mute switch

② Audio balance control

③ Volume control

RMT40

	Speaker type	Max power	RMS power	Sensitivity	Max SPL	Dimensions	Weight	Input
NOBA8 PASSIVE	8" bass reflex cabinet	200W	100W	92 dB	114 dB	558 x 383 x 149 mm	8,75 kg	Terminal block
	Speaker type	Max power	Satellite RMS power	Sensitivity	Max SPL	Dimensions	Weight	Input / Output
NOBA8A ACTIVE	8" bass reflex cabinet	200W	2x 150W @ 4Ω	92 dB	114 dB	558 x 383 x 149 mm	9,75 kg	Terminal block

Wall mount

Ceiling mount

Hidden floor setup

127
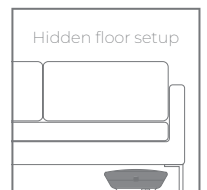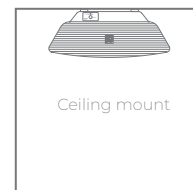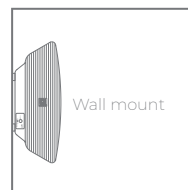
SONA series
On-wall / On-ceiling solutions

The SONA series provides a stunning and elegant design whilst delivering a sound experience that will leave its listeners stunned. Thanks to the combination of the extremely compact ATEO loudspeakers and the powerful NOBA bass cabinet of only 149mm thick, a perfect balance between sound clarity and power can be attained. A perfect acoustical match is accomplished by the WaveDynamics™ technology which also provides a bulletproof protection for your audio system.

Bars & Restaurants | Corporate | Education | Government Facilities
Hotels | Residential | Retail

Het Cordaat | Hasselt, Belgium runs on AUDAC

SONA2.3
2 x ATEO2, 1 x NOBA8A

Available colours: /B /W

ATEO2

NOBA8

🎙 Speech level 1 | 🎵 Music level 3 | ⬚ ± 50 m²

Optional ceiling mount brackets

MBK410C

- black version : MBK410C/B
- white version : MBK410C/W

ATEO2S

The ATEO2S features a combination of your trusted ATEO2 speaker and a specially designed surface ceiling mount with Clickmount™ technology.

ATEO2S : ATEO2 with surface ceiling mount
ATEO2SD : ATEO2D with surface ceiling mount

More SONA solutions :

· **SONA2.5**
  4 x ATEO2 8Ω, 1 x NOBA8A

· **SONA2.9**
  8 x ATEO2D 16Ω, 1 x NOBA8A

· **SONA4.3**
  2 x ATEO4, 1 x NOBA8A

· **SONA4.5**
  4 x ATEO4, 1 x NOBA8A

CONGRESS series
Solutions with column speakers

Having a high speech intelligibility is crucial in an educational environment. But nowadays playback of high quality media has also become a necessity in order to have your students experience the entire essence of your message. An excellent audibility of speech in acoustically difficult environments can easily be achieved with the KYRA column loudspeakers. When combined with the warm low frequencies the NOBA bass cabinet delivers, a true-to-nature reproduction of music and speech is acquired. A perfect acoustical match is accomplished by the WaveDynamics™ technology which also provides a bulletproof protection for your audio system.
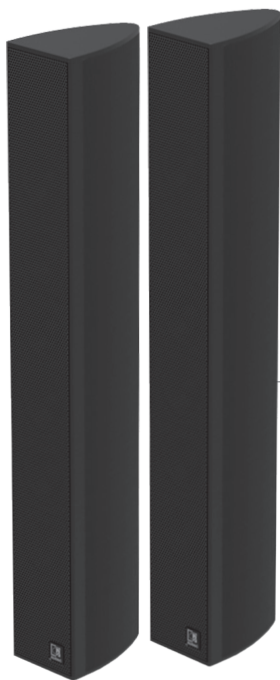
Corporate | Education | Houses of Worship | Residential

KYRA6

NOBA8

CONGRESS1.3A
2 x KYRA6, 1 x NOBA8A

Available colours: /B /W

🎙 Speech level 3 | 🎵 Music level 3 | ⧉ ± 50 m²

More CONGRESS solutions :

· CONGRESS4.3A
2 x KYRA12, 1 x NOBA8A

BASO series
Bass reflex cabinets

The BASO cabinets are universally usable passive bass cabinets. Their bass reflex design is engineered to be as compact as possible while giving the maximum performance in terms of sound quality and pressure. Their enclosures are crafted out of sturdy high-quality plywood with a black DuraWeather™ coating while their elegant design enables them to be placed in any environment.

BASO10

The BASO10 is loaded with a 10" high performance woofer with an RMS power rating of 225W and maximum power of 450W. The strength of this speaker originates from a four layer wounded 1.5" voice coil in combination with an over-sized ferrite type magnet which provides an unusual high force factor. In combination with the low-loss suspension, this results in a linear behavior with high efficiency and extremely wide frequency range.

Ω   8 Ohm

BASO12

The BASO12 is loaded with a 12" high performance woofer with an RMS power rating of 500W and maximum power of 1000W. The strength of this speaker originates from a 4" voice coil which is allowed to perform extra long excursions. Displacements are precisely controlled by the dual low-loss suspension resulting in a superior linear behavior.

Ω   8 Ohm

	Max power	RMS power	Max SPL	Sensitivity 1W / 1 m	Freq range - 10 dB	Dimensions	Weight
BASO10	450W	225W	120 dB	96 dB	38 Hz - 2 kHz	320 x 380 x 380 mm	12 kg
BASO12	1000W	500W	125 dB	98 dB	35 Hz - 600 Hz	380 x 449 x 460 mm	22 kg
BASO15	1400W	700W	127 dB	99 dB	34 Hz - 1 kHz	450 x 534 x 525 mm	31 kg
BASO18	1800W	900W	129 dB	96 dB	30 Hz - 1 kHz	520 x 619 x 615 mm	41 kg

BASO15

The BASO15 is loaded with a 15" high performance woofer with an RMS power rating of 700W and maximum power of 1400W. The strength of this speaker originates from a 4" voice coil which is allowed to perform extra long excursions. Displacements are precisely controlled by the dual low-loss suspension resulting in a superior linear behavior. The integrated SolidGrip™ carry handles and the possibility to add an optional 35 mm pole adapter improve its mobility.

Optionally available : Cover bag (PROMO5110)

Ω 8 Ohm

BASO18

The big brother BASO18 utilizes an 18" very stiff and lightweight woven carbon fiber speaker cone. The exceptional strength and light weight of the carbon cone results in drastically reducing the break-up, thus ensuring a high level of efficiency and excellent transient response. Similar to the little brothers in the BASO series, this 18" version is also made out of carefully selected high-quality plywood material, finished with a structured coating.

Ω 8 Ohm

Convenient carry handle
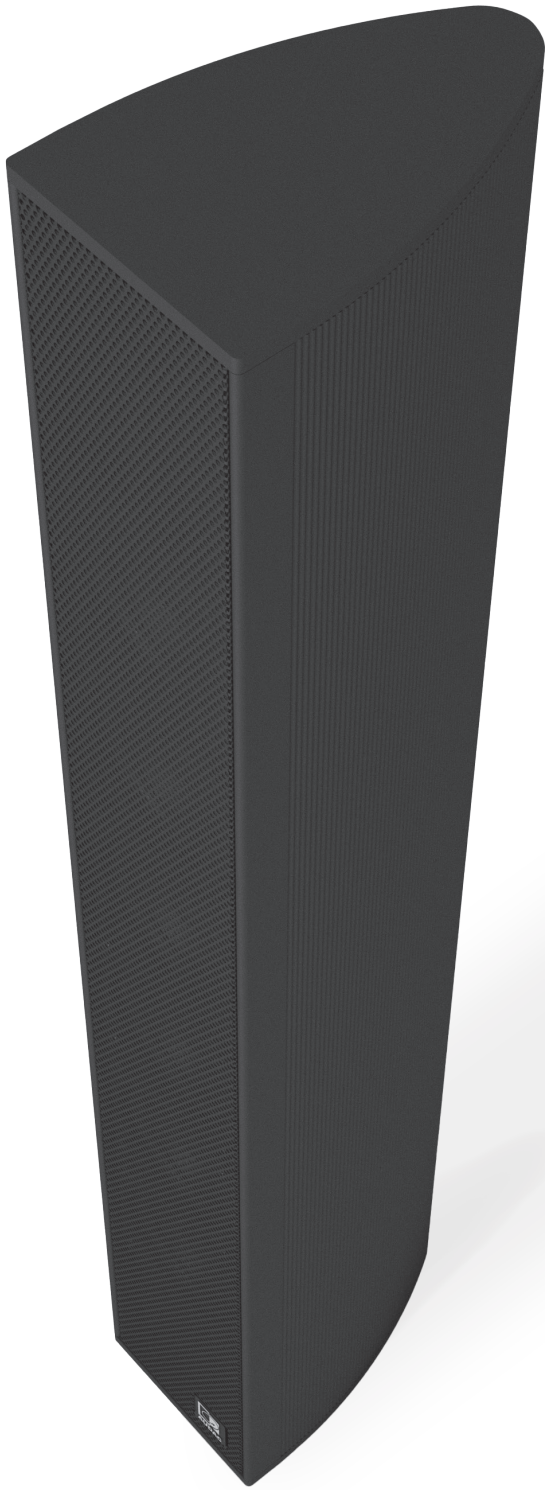
COLUMN SPEAKERS

Elegantly designed column speakers for high-quality dispersion of speech and music in large reverberant environments.

COLUMN speakers

The problem

A common challenge the AUDAC audio system designers often had to cope with, was to allow the amplification of intelligible speech and music in large reverberant spaces.

Besides intelligible speech and true to nature music reproduction, there are often several other requirements for such a system :

✓ Slim and unobtrusive design

✓ Being safe and reliable

✓ Cover long distances

✓ Easy to install, configure and maintain

✓ Free from distortion

✓ High sound directivity

AUDAC has been developing column speakers for specific purposes for over a decade, and with their experience and knowledge they developed a range of column speakers that is suitable to form a solution for every situation.

While many other major manufacturers are involved in the development of DSP-driven applications for such situations, AUDAC succeeded to develop solutions with passive column speakers that give excellent results and have proven their dignity in many applications.

The solution

When a sound system has to be designed for a highly reverberant space (such as airport terminals, railway stations, cathedrals, auditoriums, ...) we must take the direct to reverberant sound ratio into account.

We should try to maximize the sound that is projected directly from the speaker to the listeners ear, while the sound that reaches the listeners' ear trough reflection on walls, ceilings and other acoustically reflective surfaces has to be reduced as much as possible.

The solution for this problem is focusing the sound directly to the listeners' ears and away from acoustically reflective surfaces.

The focusing of the sound can be done with column speakers. These give the listener the effect of listening to only one single line source, with the same dimensions as the total unit and the performance of the individual components combined with each other.

Reflected sound
(Reverberation)

Direct sound

Reflected sound
(Reverberation)

Direct sound
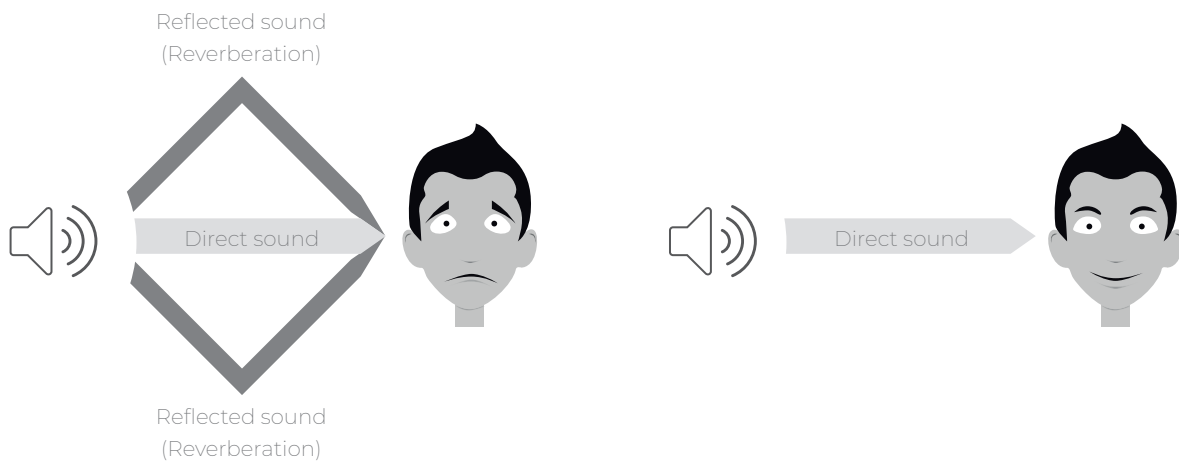
How they work

A column speaker is a speaker with several drivers stacked above each other and feeds all speakers with the same source signal. Therefore, they produce the same sound at the same time. The advantage of this technology compared to other speakers is a remarkably tightly defined vertical dispersion. This technique is called *Phased Array*.

It's a known fact that the directivity of a speaker varies with the frequency: at low frequencies the speakers radiate in an omnidirectional manner. When the frequency increases, the radiation becomes more and more directional, eventually producing a narrow beam of sound directly on axis.

*Directivity of a single speaker*   *Directivity of a column speaker*
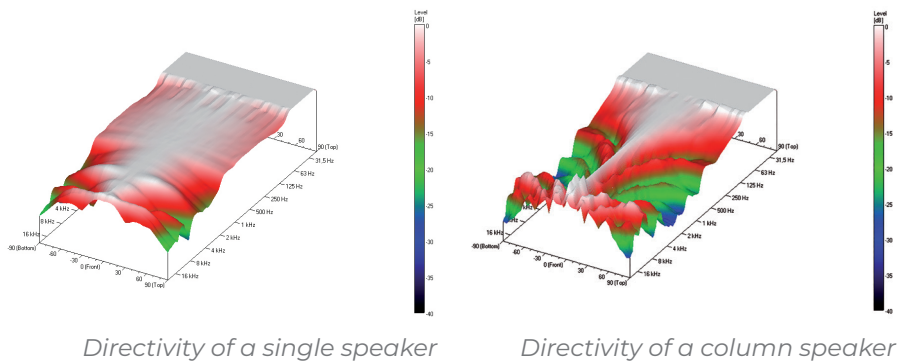
When a second identical signal source is placed alongside the first, producing an identical signal with identical timing (phase), the two identical waveforms will interact with each other where their paths meet. They will 'interfere' with each other. On the central axis between the two sources, the distance from each source is identical, so each waveform will arrive at exactly the same time and in exactly the same phase. There will be a constructive interference between the speakers, doubling the amplitude along that axis compared to what it would have been for a single source.

At the off-axis points, the relative distances between the two drivers is changed, and their waveforms will meet at slightly different times with slight phase shifts. This results in a partial (or even complete) cancellation of the sound. This is called destructive interference. When more identical signal sources are added at exactly the same distance, the interference patterns will be stronger clustered, with a more focused beam and a larger amplitude on the central axis.

This effect is reflected in the image below where the carriage length of column speakers is shown. When the length (and the number of drivers) of a column speaker doubles, the sound beam will be more focused and the carriage length will be doubled.

It is recommended to keep the listening area within the speakers' carriage range, to maintain the best speech intelligibility and sound quality.
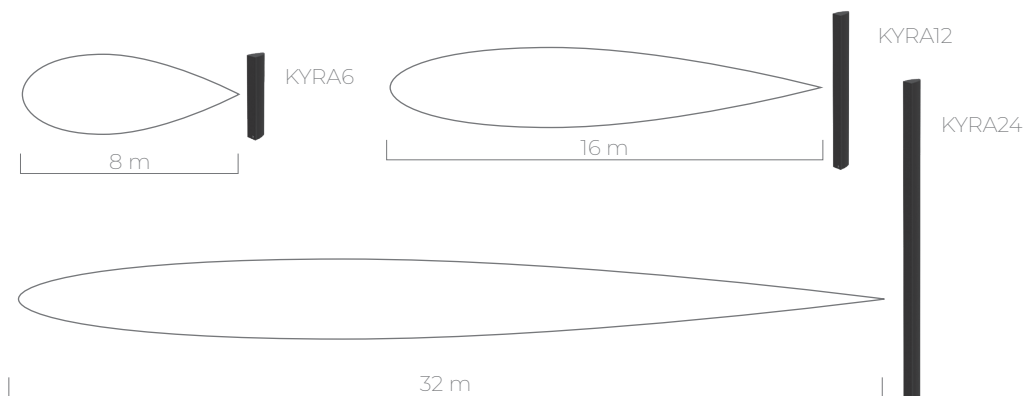
KYRA series
Design column speakers

The KYRA column speakers range is the elegant result of research in the field of phased array acoustics. The selection of the highest quality materials including aluminum cone 2" drivers guarantee an extraordinary detail and clarity for music and speech, which is uncommon for any kind of column speaker available from the market. It makes them perfectly lend themselves to a wide variety of applications in acoustic difficult environments such as churches, auditoria, presentation and meeting rooms where audibility and intelligibility of music and speech have the highest importance.

They are housed in slim and elegant constructed enclosures made out of aluminum materials and finished with finely perforated grilles. An included mounting bracket with minimum distance to the wall allows swivelling and down-tilting for perfect directional placement.

KYRA6

The KYRA6 design column speaker consists of 6 x 2" high-quality full-range drivers, delivering extraordinary clarity and detailed sound. The overall continuous power handling reaches 60 Watt and the beamwidth of 174° x 28° (-6 dB avg 1 kHz - 4 kHz) makes it the perfect match for acoustically difficult venues, reducing echo and microphone feedback which optimizes the speech intelligibility in reverberant venues.

A multi-tapping line transformer allows it to be connected to 70V/100V public address systems with different power taps for 20W, 10W and 5W and/or low impedance (12Ω) systems.

Ω 12 Ohm | ⚡ 70-100 Volt

/B /W

Optional accessory

MBK260

Thanks to this 35mm adapter piece you can place KYRA series column speaker effortlessly on any speaker stand. It can be assembled on different heights depending on the mounting possibilities and required installation height.

KYRA12

The KYRA12 design column speaker consists of 12 x 2" high-quality full-range drivers, delivering extraordinary clarity and detailed sound. The overall continuous power handling reaches 120 Watt and the beamwidth of 174° x 9° (-6 dB avg 1 kHz - 4 kHz) makes it the perfect match for acoustically difficult venues, reducing echo and microphone feedback which optimizes the speech intelligibility in reverberant venues.

A multi-tapping line transformer allows it to be connected to 70V/100V public address systems with different power taps for 40W, 20W and 10W and/or low impedance (10Ω) systems.

Also available in outdoor version: KYRA12/O

Ω 12 Ohm   ⚡ 70-100 Volt   IP55

/B   /W

KYRA24

The KYRA24 design column speaker consists of 24 x 2" high-quality full range drivers, delivering an extraordinary clarity and detailed sound. The overall continuous power handling reaches 120 Watt and the beamwidth of 174° x 7° (-6 dB avg 1 kHz - 4 kHz) makes it the perfect match for acoustically difficult venues, reducing echo and microphone feedback which optimizes the speech intelligibility in reverberant venues.

The overall impedance of the speaker measures 4Ω, allowing it to be implemented in any low impedance audio system.

Ω 4 Ohm   ⚡ 70-100 Volt

/B   /W

	Max power	RMS power	Max SPL	Sensitivity 1W / 1 m	Impedance	Power taps @ 100V	Power taps @ 70V	Freq range -10 dB	Dimensions
KYRA6	120W	60W	106 dB	90 dB	12 Ω	20 / 10 / 5W	10 / 5 / 2.5W	120 Hz - 20 kHz	70 x 546 x 101 mm
KYRA12	240W	120W	113 dB	92 dB	10 Ω	40 / 20 / 10W	20 / 10 / 5W	120 Hz - 20 kHz	70 x 1006 x 101 mm
KYRA12/O	240W	120W	113 db	92 dB	10 Ω	40 / 20W	20 / 10W	120 Hz - 20 kHz	70 x 1006 x 101 mm
KYRA24	480W	240W	114 dB	92 dB	4 Ω	-	-	120 Hz - 20 kHz	70 x 2006 x 101 mm

LINO series
Column speakers

The LINO series are column speaker series designed for a wide variation of general purpose applications in acoustic difficult environments, ranging from speech and announcement applications to background music systems. Typical applications are houses of worship, auditoria, presentation rooms, public transportation hubs, ... and many more.

They are solid constructed using solid aluminum materials and finished through a rigid finely perforated front grill. Mounting is done through an L-shaped bracket on top and bottom, offering optimal flexibility for fixation and directional placement. Connections are made through terminal block connections.

LINO4

The LINO4 column speaker consists of 4 x 2" low/mid frequency drives with an 1" central positioned tweeter for the high frequencies. It reaches a power handling of 20 Watt, while a multi-tapping line transformer allows it to be connected in 70V/100V public address systems with power taps for 20W, 10W and 5W.

Ω 8 Ohm ⚡ 70-100 Volt

/B /W

LINO10

The LINO10 column speaker consists of 10 x 2" low/mid frequency drives with an 1" central positioned tweeter for the high frequencies. It reaches a power handling of 40 Watt, while a multi-tapping line transformer allows it to be connected in 70V/100V public address systems with power taps for 40W, 20W and 10W.

Ω 20 Ohm ⚡ 70-100 Volt

/B /W

	Max power	RMS power	Sensitivity 1W / 1 m	Impedance	Power taps @ 100V	Power taps @ 70V	Frequency response +- 3 dB	Dimensions
LINO4	40W	20W	91 dB	8 Ω	20 / 10 / 5 W	20 / 10 / 5 / 2.5W	170 Hz - 15 kHz	414 x 72 x 68 mm
LINO10	80W	40W	92 dB	20 Ω	40 / 20 / 10W	40 / 20 / 10 / 5W	170 Hz - 15 kHz	796 x 72 x 68 mm

PENDANT SPEAKERS

Specially designed for hanging purposes and perfectly suited to be used in large 100V broadcast systems, these speakers can be mounted with two integrated steel cores for suspending with an additional drop safety.

ALTI series
2-way pendant speakers

The ALTI series are two-way pendant loudspeakers, designed for background and foreground music applications with open architectures and high ceilings. Typical applications are big scale retail environments, warehouses and other large open spaces.

The elegant construction is finished using high grade materials and fitted with premium acoustic components. This guarantees clear speech intelligence and a warm and detailed sound reproduction.

Mounting the speaker is done through a connection cable with two integrated steel cores for suspending with an additional drop safety. Fixation is made through two snap-hooks on one end and a dual Gripple™ fixation on the other end. The included cable length of 3.5 meters offers possibilities for a wide variety of ceiling heights. An innovatively designed rear cover of the speaker can be placed after installation and hides the connection and suspension on the speaker end. The ceiling end connections are covered through a cable cover.
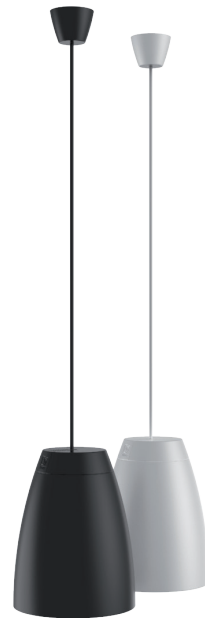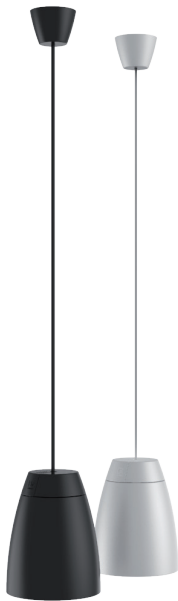
Optional accessories

/B /W

DSC series

A Gripple™ fixation connection cable with conductors and a steel suspension and safety wire in a single outer jacket.

Available in 3.5, 7 and 10 meters.

ALTI4

The ALTI4 is a 2-way pendant loudspeaker featuring a 4" driver combination with an coaxially mounted 1" soft dome tweeter and is fitted with a phase plug for excellent off axis performance.

Ω 16 Ohm   70-100 Volt

/B   /W

ALTI6

The ALTI6 is a 2-way pendant loudspeaker featuring a 6.5" driver combination with an coaxially mounted 1" soft dome tweeter and is fitted with a phase plug for excellent off axis performance.

✓ Moisture resistant driver

✓ Innovative rear cover

✓ Suspension cable with dual steel core

✓ Ceiling cable cover

✓ Rotary selector switch

Dual Gripple™ fixation

Wide opening angle

Plug-and-play multi-tapping

	Max power	RMS power	Power taps @ 100V	Power taps @ 70V	Speaker type	Driver size	Dispersion Conical	Dimensions (Ø x speaker height)
ALTI4	60W	30W	24 / 12 / 6W	24 / 12 / 6 / 3W	2-way coaxial	4"	165°	Ø 170 mm x 223 mm
ALTI6	120W	60W	60 / 30 / 15W	60 / 30 / 15 / 7.5 W	2-way coaxial	6.5"	115°	Ø 230 mm x 302 mm

ASP series
Spherical hanging sound projector

ASP20

The ASP20 is a spherical hanging speaker featuring an 8" full range driver with a continuous power handling of 20 Watt, making it suitable for a wide variation of general purpose indoor applications, ranging from paging and announcement systems to background music systems. The spherical construction creates a 360° distribution field making it perfectly suited for use in large open spaces such as factory halls, warehouses, parking lots or many more.

A multi-tapping line transformer with fixed connection cable allows it to be connected to 70/100V public address systems with different power taps.

Suspension is done by a steel integrated wire of the multi-core connection cable. Delivery includes all accessories for fixing and securing the speaker to the ceiling.

⚡ 70-100 Volt

/B /W

	Max power	RMS power	Max SPL	Sensitivity 1W / 1 m	Power taps @ 100V	Power taps @ 70V	Freq response +- 3 dB	Dimensions
ASP20	40W	20W	103 dB	92 dB	20 / 10 / 5 W	20 / 10 / 5 / 2.5 W	80 Hz - 18 kHz	Ø 254 mm

SP series
Sound projectors

This range of sound projectors is designed for a variation of both in- & outdoor applications, ranging from paging and announcements to background music systems. The projector construction makes them perfectly suited for use in large open spaces such as factory halls, warehouses, parking lots or many more. The enclosures are constructed of high quality materials, while compliance to Ingress Protection requirements allows them being used in permanent outdoor installations.

SP20

The SP20 sound projector features a 5 ¼" full range driver with a continuous power handling of 20 Watt, making it suitable for a wide variation of general purpose in- & outdoor applications, ranging from paging and announcement systems to background music systems.

The sealed enclosure constructed of weatherproof ABS materials and aluminum front grill makes the speaker comply to IP56 Ingress protection standards. An included aluminum mounting bracket allows down-tilting for perfect directional placement.

IP56   100 Volt

SP22

The SP22 sound projector features a 5 ¼" full range driver with a continuous power handling of 20 Watt, making it suitable for a wide variation of general purpose in- & outdoor applications, ranging from paging and announcement systems to background music systems.

The sealed enclosure constructed of rugged aluminum materials with strong aluminum front grill guarantees an impact resistant and vandal proof solution while making the speaker comply to IP56 Ingress protection standards. An included aluminum mounting bracket allows down-tilting for perfect directional placement.

IP56   100 Volt

SP202

The SP202 is a bi-directional sound projector featuring two 5 ¼" full range drivers with a continuous power handling of 20 Watt (2 x 10 Watt), making it suitable for a wide variation of general purpose in- & outdoor applications, ranging from paging and announcement systems to background music systems.

The sealed enclosure constructed of rugged aluminum materials with strong aluminum front grill guarantees an impact resistant and vandal proof solution while making the speaker comply to IP56 Ingress protection standards. An included aluminum mounting bracket allows down-tilting for perfect directional placement.

IP56   100 Volt

	Max power	RMS power	Max SPL	Sensitivity 1W / 1 m	Power taps	Freq response +- 3 dB	Dimensions
SP20	40W	20W	104 dB	92 dB	20 / 10 / 5 / 2.5W	110 Hz - 18 kHz	Ø 138 x 205 mm
SP22	40W	20W	105 dB	93 dB	20 / 10 / 5 / 2.5W	110 Hz - 18 kHz	Ø 138 x 205 mm
SP202	2 x 20W	2 x 10W	101 dB	91 dB	20 / 10 / 5 / 2.5W	110 Hz - 18 kHz	Ø 138 x 205 mm

HORN SPEAKERS

Powerful horn speakers designed for projecting speech and music over long distances while maintaining maximum intelligibility.

HS series
Horn speakers

This range of 2-way horn loaded speakers is engineered to provide a long-throw, full range sound projection in a wide variation of in- and outdoor applications. The selection of carefully matched high-quality components guarantee an extraordinary clarity of speech and extended frequency response for music. The enclosures are constructed of multi-layer glass composite materials, while compliance to Ingress Protection requirements allows them being used in permanent outdoor installations.

HS208MK2 & HS208TMK2

The HS208TMK2 features an 8" high output woofer and compression driver with 1.3" voice coil. The compression driver is equipped with an overload protection and is fitted with a 40° x 40° coverage horn which is coaxially constructed as one entity with the speaker's enclosure.

HS208MK2: 8Ω version / IP54 / SpeakON
HS208TMK2: 100V version / IP65 / Waterproof

Ω 8 Ohm | 100 Volt | IP54 | IP65

HS212MK2 & HS212TMK2

The HS212TMK2 features a 12" high output woofer and a neodymium compression driver with 1.8" voice coil. The compression driver is equipped with an overload protection and is fitted with a 40° x 40° coverage horn which is coaxially constructed as one entity with the speaker's enclosure.

HS212MK2: 8Ω version / IP54 / SpeakON
HS212TMK2: 100V version / IP65 / Waterproof

Ω 8 Ohm | 100 Volt | IP54 | IP65

Optional mounting brackets

MBK208MK2 - MBK212MK2
Mounting brackets for mounting HS208(T)MK2 and HS212(T)MK2 horn speakers.

MBK200PM
Pole mount adapter set for MBK208MK2 and MBK212MK2 horn speakers.

	Max power	RMS power	Max SPL	Sensitivity 1W / 1 m	Power taps / impedance	Freq range - 10 dB	Dimensions	Weight
HS208MK2	300W	150W	123 dB	97 dB	8 Ω	70 Hz - 20 kHz	360 x 360 x 482 mm	11.6 kg
HS208TMK2	300W	150W	123 dB	97 dB	120 / 60 / 30W / 8 Ω	70 Hz - 20 kHz	360 x 360 x 482 mm	15.6 kg
HS212MK2	700W	350W	125 dB	95 dB	8 Ω	65 Hz - 20 kHz	508 x 508 x 732 mm	30.8 kg
HS212TMK2	700W	350W	125 dB	95 dB	240 / 120 / 60W / 8 Ω	65 Hz - 20 kHz	505 x 505 x 735 mm	34.4 kg

HS121

The HS121 horn speaker features a 4" full range driver with a continuous power handling of 20 Watt, making it suitable for a wide variation of general purpose in- & outdoor applications, ranging from paging and announcement systems to background music systems. The horn construction makes it perfectly suited for medium to long-throw use in large open spaces such as factory halls, warehouses, parking lots or many more. The enclosures are constructed of high quality materials, while compliance to Ingress Protection requirements allows them being used in permanent outdoor installations.

The sealed enclosure constructed of weatherproof and flame retardant materials with aluminum front grill makes the speaker comply to IP65 Ingress protection standards. The special designed waterproof AWX5™ connector lets you set the power for the speakers in three adjustable steps for 100V and one step for low impedance applications. An included aluminum mounting bracket allows down-tilting for perfect directional placement.

Ω 8 Ohm | 100 Volt | IP65

	Max power	RMS power	Max SPL	Sensitivity 1W / 1 m	Power taps / impedance	Freq range - 10 dB	Dimensions	Weight
HS121	40W	20W	109 dB	96 dB	20 / 10 / 5W / 8 Ω	150 Hz - 15 kHz	220 x 160 x 250 mm	2.0 kg

CHA series
Compression horn speakers

The CHA series consists of 2-way horn loaded loudspeakers which are designed for long-throw, full range reproduction of music and speech in a wide variety of indoor and outdoor applications.

The enclosure is constructed using high quality UV and impact resistant ABS materials and an included stainless steel mounting bracket allows secure mounting and tilting for perfect directional placement. This makes it comply with IP66 ingress protection requirements, resulting in a weatherproof solution for permanent outdoor installation.
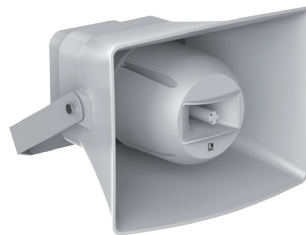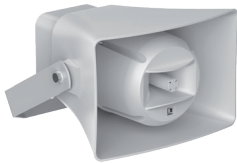
CHA530

The CHA530 is constructed of an 1" high frequency compression driver and a 5" mid/low frequency driver. The selection of high-quality components and acoustic engineering craftmanship makes the CHA530 significantly better performing than other traditional horn speakers. A smooth frequency response and high efficiency ensures an extraordinary clarity of speech and extended frequency response for music.

⚡ 70-100 Volt | 💧 IP65

CHA660

The CHA660 is constructed of an 1" high frequency compression driver and a 6.5" mid/low frequency driver. The selection of high-quality components and acoustic engineering craftmanship makes the CHA660 significantly better performing than other traditional horn speakers. A smooth frequency response and high efficiency ensures an extraordinary clarity of speech and extended frequency response for music.

⚡ 70-100 Volt | 💧 IP65

AWX5™ weatherproof connector

	Max power	RMS power	Max SPL	Sensitivity 1W / 1 m	Power taps @ 100V	Power taps @ 70V	Freq response +- 3 dB	Dimensions	Weight
CHA530	60W	30W	113 dB	98 dB	30 / 15 / 7.5W	30 / 15 / 7.5 / 3.75W	110 Hz - 16 kHz	310 x 215 x 330 mm	4.7 kg
CHA660	120W	60W	116 dB	99 dB	60 / 30 / 15W	60 / 30 / 15 / 7.5W	100 Hz - 16 kHz	420 x 335 x 400 mm	6.7 kg

MICROPHONES

From the most robust hand-held or headset microphones to advanced paging systems, AUDAC provides you with the extension for your voice.

# CMX215 & CMX230 series
Pipeneck condenser & shotgun microphones

CMX215

The CMX215 is a pipeneck condenser microphone fitted on a slim gooseneck with XLR base. It is particularly designed for speech reinforcement systems in a wide variation of applications, such as conference rooms, houses of worship, auditoria, ... or any other kind of speech announcement systems.

The back-electret condenser capsule with unidirectional (cardioid) characteristic reduces pickup of sound from the sides and rear, improving the speech intelligibility and eliminating unwanted noise and feedback. The high max. input SPL guarantees a high quality sound reproduction, even when exposed to vigorous sound.
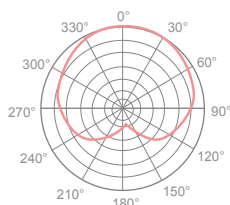
CMX230

The CMX230 is a professional shotgun microphone existing of a back-electret condenser capsule which is fitted on a flexing gooseneck with an XLR base. The compact size, high directivity and pointability makes them suitable for a range of applications such as conference, public address, announcements, ...

The wide frequency response and low noise level guarantee an excellent sound quality, while the directive characteristics discriminates unwanted noise.
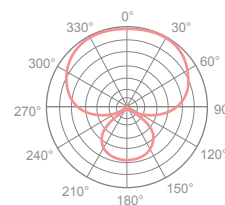
	Type	Polar pattern	Impedance	Dynamic range	Sensitivity	Dimensions	Weight
CMX215/45	Back electret Condenser	Cardioid	200 Ω	-	45 dB +- 3 dB	Ø 19 x 538 mm	60 g
CMX215/55	Back electret Condenser	Cardioid	200 Ω	-	45 dB +- 3 dB	Ø 19 x 638 mm	65 g
CMX230	Back electret condenser	Supercardioid	250 Ω	113 dB	42 dB +- 3 dB	Ø 19 x 280 mm	250 g

APM
Microphone base

The APM is a microphone base, designed to be used with the CMX series gooseneck microphones (or any other gooseneck microphone with XLR connector) on any amplifier with microphone inputs.

There's a female XLR connector on top to mount the gooseneck microphone and a male XLR connector at the back to connect the microphone cable.

The APM microphone base is very stable and features the same design as the APM paging microphones to blend fully with the other equipment.

CMX382
Hanging condenser microphone

The CMX382 is a hanging condenser microphone with a slim and miniature design. It is designed to offer versatile solutions for sound reinforcement or recording systems in a wide variation of applications. Typical applications range from speech in meeting or conference rooms to music in houses of worship, orchestra's, choirs and many others.
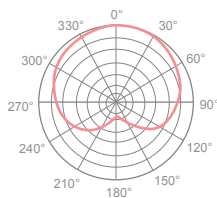
The tailored frequency response guarantees a rich, clear and sensitive sound reproduction while the cardioid directivity characteristic eliminates feedback and unwanted noise. The included spiral hanging bracket makes overhead suspension possible above conference tables, choirs, orchestra's, … while the flexing gooseneck structure allows a highly accurate positioning.

Available in black (/B) and white (/W).

/B   /W

	Type	Polar pattern	Impedance	Max SPL	Sensitivity	Dimensions	Weight
CMX382	Back electret condenser	Cardioid	200 Ω	130 dB	42 dB +- 3 dB	Ø 13.5 x 160 mm	100 g

M series
Vocal microphones

M67

The M67 is a fully featured, dynamic, general purpose microphone. Both elegantly designed and solidly constructed, with a robust grill to protect the diaphragm, their highly sensitive neodymium element makes them the perfect microphones for presentations and singers, while their unidirectional (supercardioid) polar pattern ensures feedback is reduced to a strict minimum. Suited for indoor as well as outdoor use, while an 'on/off' switch is also provided on the microphone.

M86/87

The M86 and M87 are professional super cardioid dynamic microphones perfectly suited for on stage use by singers and musicians. Solidly constructed, with a robust grill to protect the diaphragm, their highly sensitive neodymium element makes them ideal microphones for speech and music, while their unidirectional (supercardioid) polar pattern ensures feedback is reduced to a strict minimum. Suited for indoor as well as outdoor use, the M86 comes switchless while an 'on/off' switch is provided on the M87.

M97

The M97 is a high-quality handheld condenser microphone featuring a back-electret capsule with a wide and smooth frequency response, providing an unsurpassed clarity with a high level of detail which makes it suitable for demanding vocal applications.

The cardioid polar pattern guarantees optimal pickup characteristics for the essential sound sources while eliminating feedback and background noise. The rugged construction with strong steel mesh guarantees high reliability for both fixed and mobile performances.
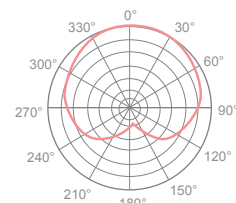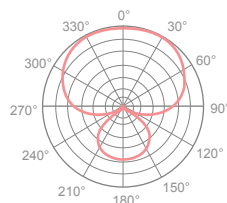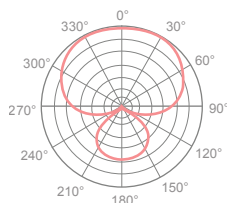
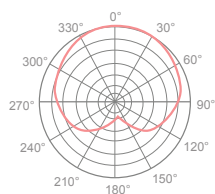|	Type	Polar pattern	Impedance	Sensitivity	Dimensions	Weight
M67	Dynamic	Super cardioid	300 Ω	-75 dB +- 3 dB	Ø 49 x 182 mm	300 g
M86/87	Dynamic	Super cardioid	300 Ω	-74 dB +- 3 dB	Ø 51 x 178 mm	350 g
M97	Back electret condenser	Cardioid	250 Ω	46 dB +- 3dB	Ø 49 x 185 mm	257 g

PDM series
Paging microphones

PDM200

The PDM200 paging microphone is a polyvalent dynamic gooseneck microphone, mounted on a solid very stable base and fitted with a three function switch: permanently on, momentary on, and off.

It also contains an RC network for the operation of chime modules and is equipped with a 1.5 meters long connection cable.
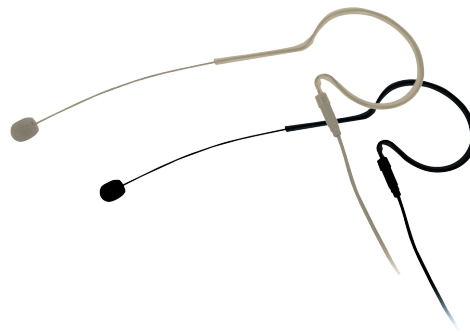
The PDM200 is fully compatible with AUDAC COM series amplifiers but can also be adjusted for other applications.

|	Type	Polar pattern	Impedance	Frequency response	Sensitivity	Dimensions	Weight
PDM200	Dynamic	Cardioid	600 Ω	80 Hz - 12 kHz	-72 dB +- 3dB	162 x 122 x 368 mm	810 g

CMX706

Clip-on ear microphone

CMX706

The CMX706 is an omnidirectional clip-on ear microphone designed for vocal and speech applications. Thanks to the flat frequency response characteristic which guarantees high fidelity sound reproduction, voices will be reproduced in a natural way.

Because of the EMI and low noise suppression, low frequencies are repressed, shutting out hum and interference caused by other sources, which improves the sound reproduction quality, making it suited for vocal applications. The unique tiny size and superlight weight provide a comfortable and optimal fit for any occasion.

It is available in black (/B) and beige (/S) and comes with 4 different replaceable connectors making it suitable for use with beltpacks of various major manufacturers.
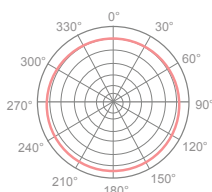
CMX connection types

All CMX clip-on and headset microphones (CMX706, CMX726 and CMX826) come with 4 different replaceable connectors, making it suitable for use with beltpacks of various major manufacturers.

Standard included connector types:

DB thread 3.5 mm plug

Sennheiser 3.5 mm plug

Shure 4 pin mini XLR

AKG 3 pin mini XLR

More connection types optionally available for more system compatability :

Audiotechnica UniPak

|	Type	Polar pattern	Impedance	Max SPL	Sensitivity	Dimensions	Weight
CMX706	Back electret condenser	Omnidirectional	2000 Ω	135 dB	42 dB +- 3 dB	150 x 50 x 20 mm	3 g (w/o cable)

CMX series
Headset condenser microphones

CMX726

The CMX726 is an omnidirectional headset microphone designed for vocal and speech applications, ranging from speeches to aerobic lessons. The flat frequency response and the high Sound Pressure level ensure a high-fidelity sound reproduction, true to the user's voice and intonation, even when a hard and vigorous sound is applied.

It is available in black (/B) and beige (/S) and comes with 4 different replaceable connectors making it suitable for use with beltpacks of various major manufacturers.

/B /S
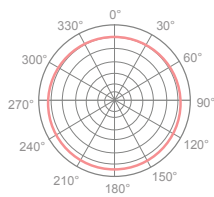
CMX826

The CMX826 is a headset condenser microphone with a directional cardioid pick-up pattern, designed for professional 'hands free' voice reinforcement or recording applications. The cardioid pick-up pattern guarantees an excellent rejection of background noise and feedback, allowing it to be used in acoustical demanding applications or situations where the performer is positioned in front of speakers or monitors.

It is available in black (/B) and beige (/S) and comes with 4 different replaceable connectors making it suitable for use with beltpacks of various major manufacturers.

/B /S
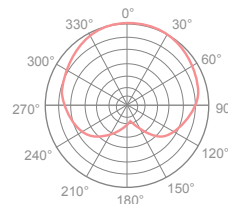
	Type	Polar pattern	Impedance	Max SPL	Sensitivity	Dimensions	Weight
CMX726	Back electret condenser	Omnidirectional	2000 Ω	135 dB	42 dB +- 3 dB	140 x 75 x 150 mm	4 g (w/o cable)
CMX826	Back electret condenser	Cardiod	2000 Ω	128 dB	44 dB ± 3 dB	140 x 75 x 150 mm	4 g (w/o cable)

SOLUTION BOXES

An extensive line of compact audio solutions and problem solvers.

ALI & ATU series

ALI20MK2
Audio line isolator

The ALI20MK2 are audio line isolators, designed to isolate audio devices from each other. In most cases they are used to avoid hum, caused by ground loops in audio systems.

They offer a complete passive solution for the isolation of a stereo balanced audio signal. It features dual XLR in- and output connectors and a ground lift switch. The in- and output phase are matching.

The ALI20MK2 are both built with an audio transformer that has a turns ratio of 1:1 and an impedance of 600Ω.

ATU44MK2
Universal input adapter

The ATU44MK2 is a universal input adapter suitable for a wide variety of connections and extensions.

It can be used for converting any speaker level into a balanced or unbalanced line level signal. It has inputs for 100V, 70V, 50V, 33V and standard 8Ω low impedance speaker signals.

A second possibility is converting an unbalanced line level signal into a balanced one and vice versa.

The switch on the front panel allows you to select between converting a speaker signal into a line level signal, or the conversion of line level signals.

The inputs and outputs are completely galvanically isolated by means of an audio isolation transformer. This makes the ATU44MK2 the perfect solution for solving hum and buzz problems caused by ground loops.

Optional mounting bracket

Compatible with a variation of MBS1xx series installation accessories, see page 179 of this catalogue.

APG20MK2

Receiver gateway

APG20MK2

The APG20MK2 is an audio receiver gateway converting databus transmitted audio signals to standard line and microphone level signals. The audio output of the APG20 can be fed to regular inputs on audio amplifiers, preamplifiers, mixers and many more.

In combination with the matching input modules (WLI and WMI) it offers a solution for two channel audio transmission (line & microphone) covering distances up to 300 meters over standard UTP CAT5E (or better) cabling. Distances up to 600 meters can be achieved when applying additional power supplies.

Due to the differential bus input with increased voltage levels, the received signals are insensitive for noise, interference and attenuation over the long transmission distance. This offers the appropriate solution for high quality audio transmissions in long distance applications.
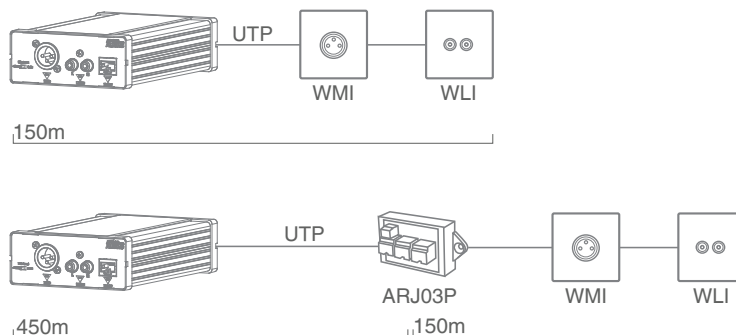
Optional mounting bracket

Compatible with a variation of MBS1xx series installation accessories, see page 179 of this catalogue.

WLI & WMI series
Active audio transceivers

WLI18

The WLI18 wall line input units are fitted with two RCA connectors, allowing line level audio signal transmission over long distances to matching receiver units (e.g. APG20MK2, MTX, ...).

The applied signal is converted to a dual mono signal with increased voltage levels, making it insensitive to interference and noise. This allows transmission over long distances (up to 300 meters) without any loss of quality over standard CAT5E (or better) twisted pair cabling.

Bus connections are made on the rear of the unit using terminal block connections, while the flush mountable design allows integration with matching installation materials (cover frames and wall boxes).

[/B] [/W]

WMI18

The WMI18 wall line input units are fitted with a female XLR connector, allowing microphone level audio signal transmission over long distances to matching receiver units (e.g. APG20MK2, MTX, ...). A jumper enables 15V phantom power for powering condenser microphones.

The applied signal is converted to increased voltage levels, making it insensitive to interference and noise. This allows transmission over long distances (up to 300 meters) without any loss of quality over standard CAT5E (or better) twisted pair cabling.

Bus connections are made on the rear of the unit using terminal block connections, while the flush mountable design allows integration with matching installation materials (cover frames and wall boxes).

[/B] [/W]

Nike | Laakdal, Belgium runs on HS series

WALL PANELS

Wide range of audio and video local inputs as well as program and volume controllers.

WP2xx series
Universal wall panels

The WP2xx series is a family of universal wall panels that, in addition to broadening the number of inputs of many devices, makes operating many AUDAC devices child's play.

In order to create a more user-friendly solution, the universal wall panel input will allow you to mix the wide range of local inputs. For the construction we have carefully selected high grade materials such as the hardened glass in black and white finish, these refined details will make them blend into any environment. All WP series wall panels are compatible with standard EU style in wall boxes, these wall panels are the ideal solution for solid and hollow walls.

WP205
ARES5A wall panel

/B /W

- ✓ 3.5 mm jack stereo line input connection
- ✓ Female XLR input connector (Microphone)
- ✓ 8-pin terminal block output connection
- ✓ Phantom power (DIP switch on rear)
- ✓ Mono / Stereo (DIP switch on rear)
- ✓ Individual input level control for Mic & Line

WP210
Universal wall panel

/B /W

- ✓ 3.5 mm jack stereo line input connection
- ✓ Female XLR input connector (Microphone)
- ✓ 6-pin terminal block input connection (rear)
- ✓ 8-pin terminal block output connection
- ✓ Phantom power (DIP switch on rear)
- ✓ Mono / Stereo (DIP switch on rear)
- ✓ Individual input level control for Mic & Line

	Front finish	Mic Input	Line input	Bluetooth	Phantom power	Output level	Input connections	Dimensions (W x H)	Compatible installation boxes
WP205	PMMA + ABS	Yes	Yes	n/a	Yes	+12 dBV	Front	80 x 80 mm	Solid wall - WB45S/FS Hollow wall - WB45S/FG
WP210	Glass + ABS	Yes (Neutrik)	Yes	n/a	Yes	+12 dBV & 0 dBV	Front & Rear	80 x 80 mm	Surface mount - WB200/Sx

Simplify and expand your system

The WP2xx series is a family of universal wall panels that not only expands the number of inputs for many devices, but also makes the operation of many AUDAC devices child's play. For even greater convenience, when fed by an external power supply these WP2xx series wall panels can also be connected to the line input on an amplifier or pre-amplifier.

Compatible devices

✓ Analog AUDAC devices*   ✓ MTX series

✓ AMP22   ✓ AMP523

✓ More future devices

*Compatible with all stereo balanced line level inputs, in case an external power supply is applied

Bluetooth

Bluetooth

WP220
Universal wall panel

/B   /W

✓ Bluetooth pairing button with LED

✓ Output level en-/disable (DIP switch on rear)

✓ Bluetooth en-/disable (DIP switch on rear)

✓ Mono / Stereo (DIP switch on rear)

Also featured on WP225

WP225
Universal wall panel

/B   /W

✓ 3.5 mm jack stereo line input connection

✓ Female XLR input connector (Microphone)

✓ 6-pin terminal block input connection (rear)

✓ 8-pin terminal block output connection

✓ Phantom power (DIP switch on rear)

✓ Mono / Stereo (DIP switch on rear)

✓ Individual input level control for Mic & Line

	Front finish	Mic Input	Line input	Bluetooth	Phantom power	Output level	Input connections	Dimensions (W x H)	Compatible installation boxes
WP220	Glass + ABS	n/a	n/a	Yes (custom ID possible)	n/a	+12 dBV & 0 dBV	n/a	80 x 80 mm	Solid wall - WB45S/FS
WP225	Glass + ABS	Yes (Neutrik)	Yes	Yes (custom ID possible)	Yes	+12 dBV & 0 dBV	Front & Rear	80 x 80 mm	Hollow wall - WB45S/FG Surface mount - WB200/Sx

VC series

Volume controllers & program selectors

VC3036

The VC3036/4036 are 100V wall volume controllers whereby the volume for 100V speakers can be adjusted in ten steps of 3 dB. The VC3036 is compatible with AUDAC, Niko, Legrand and other 45 x 45 mm standard installation materials.

An integrated 24V relay with separate priority input allows bypassing of the volume controller in priority situations, making sure the right message is always clearly heard at maximum volume. Connections are made using screw terminal blocks.

/B /W

VC3xx2

The VC3xx2 series are 100V wall volume controllers whereby the volume for 100V speakers can be adjusted in 11 steps of 3 dB. They feature a slim and good looking design and are constructed out of sturdy ABS, making them suitable for big projects in industrial environments as well as standard home interiors.

An integrated 24V relay allows bypassing of the volume controller in priority situations, making sure the message is always clearly heard at maximum volume. Connections are made using screw terminal blocks and flush and surface mount boxes (WB3102) are separately available.

/B /W

	Max power load	Max operation voltage	Attenuation	Colour	Mounting	Dimensions
VC3036	36W	100V	9 x 3 dB	black & white	AUDAC / Niko	45 x 45 x 60 mm
VC3022	20W	100V	11 x 3 dB	white	80 x 80 European std	80 x 80 x 50 mm
VC3062	60W	100V	11 x 3 dB	white	80 x 80 European std	80 x 80 x 50 mm
VC3102	100W	100V	11 x 3 dB	white	80 x 80 European std	80 x 80 x 50 mm

VC3208

The VC3208 is a flush mount wall controller for volume regulation of voltage controlled (0 ~ 10 Volts) amplifiers such as the AMP20MK2. The volume is fluently controllable using the rotatable dial with potentiometer.

The connection between the amplifier and the regulator is made using twisted pair CAT5e (or better) cabling fitted with a pluggable terminal block connector. The 45 x 45 mm size is compatible with AUDAC, Niko, Legrand and other standard 45 x 45 mm Mounting frames and cover plates.

	Colour	Mounting	Dimensions
VC3208	black & white	AUDAC / Niko	45 x 45 x 60 mm

CP series
Connection plates

CP45RCA

CP45BNC

CP45XLMS

CP45VGA

CP45SPES

CP45XLFS

CP45HDM
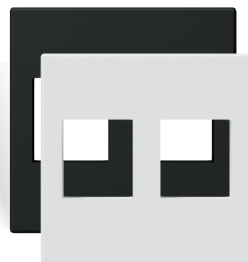
CP45KS2

CP45DSZ

	Connector	Dimensions	Built-in depth	Colours
RCA	2 x RCA	45 x 45 x 25 mm	45 mm	black (/B) & white (/W)
BNC	1 x BNC	45 x 45 x 25 mm	45 mm	black (/B) & white (/W)
XLMS	1 x D-size XLR male	45 x 45 x 25 mm	45 mm	black (/B) & white (/W)
VGA	1 x sub D15	45 x 45 x 25 mm	45 mm	black (/B) & white (/W)
SPES	1 x Neutrik Speakon	45 x 45 x 25 mm	45 mm	black (/B) & white (/W)
XLFS	1 x D-size XLR female	45 x 45 x 25 mm	45 mm	black (/B) & white (/W)
HDM	1 x HDMI with fixscrews	45 x 45 x 25 mm	45 mm	black (/B) & white (/W)
KS2	2 x Keystone adapters	45 x 45 x 25 mm	45 mm	black (/B) & white (/W)
DSZ	D-size hole	45 x 45 x 25 mm	45 mm	black (/B) & white (/W)

CF & WB series

Cover frames & surface mount boxes
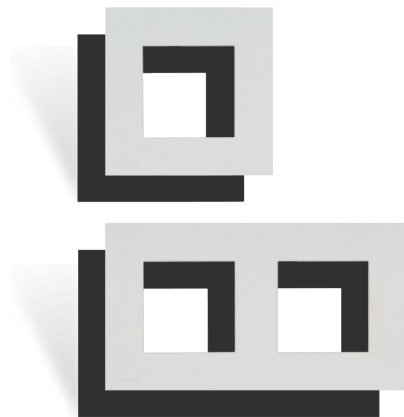
CF45S / CF45D

The CF45 cover frames allow flush mount installation for any 45 x 45 mm standard sized product such as matrix control panels, volume controllers, connection plates, etc.

They come including a metal subframe(s) and are available in single (CF45S) and double (CF45D) unit size and in black (/B) and white (/W).

CF45S: Single cover plate with screw fixation

CF45SH: Single cover plate with hook fixation

CF45D: Double cover plate with screw fixation

CF45DH: Double cover plate with hook fixation

WB45S / WB45D

The WB45 wall boxes allow surface mount installation for any 45 x 45 mm standard sized product such as matrix control panels, volume controllers, connection plates, etc.

They come including a metal subframe(s) and are available in single (WB45S) and double (WB45D) unit size and in black (/B) and white (/W).

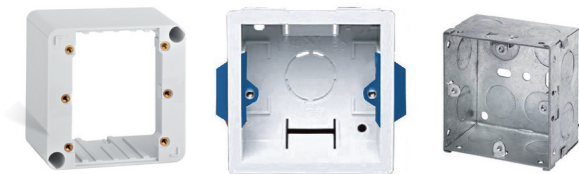WB45S: Single surface mount box
(built-in depth : 43 mm)
WB45D: Double surface mount box
(built-in depth : 43 mm)

WB45S/FG: Single flush mount box for hollow walls (built-in depth : 61 mm)
WB45D/FG: Double flush mount box for hollow walls (built-in depth : 61 mm)
WB45S/FS: Single flush mount box for stone/concrete walls (built-in depth : 65 mm)
Note : for a double box, you can link 2 x WB45S/FS together

WB50

The WB50 in-wall and on-wall boxes allow flush and surface mount installation for a variety of wall control panels such as DW5066, MWX65 and WP523.

WB50/FG: Flush mount box for hollow walls

WB50/FS: Flush mount box for stone / concrete walls

WB50: Surface mount box

WB50/AF: Adapter frame - 3-gang US standard

WB3102

The WB3102 in-wall and on-wall boxes allow flush and surface mount installation for VC3xx2-series volume controllers.

WB3102/FS: Flush mount box for stone / concrete walls

WB3102/FG: Flush mount box for hollow walls

WB3102/SW: Surface mount box

12W

24W

100V powerbee

OTHER PRODUCTS

A wide variety of appliances, accessory solutions and promo materials.

TR series

Audio line transformers

The TR1000 series are 100V line transformers, designed for impedance matching between speakers and amplifiers. They are used for converting low impedance speakers allowing them to be fitted in 100V PA installations where long cableruns can be used.

The TR3xxx offers a range of line transformers with a power ranging from 30W up to 480W.

There are different tappings available for 50V, 70V and 100V lines and the low impedance side is selectable between 2Ω, 4Ω and 8Ω.
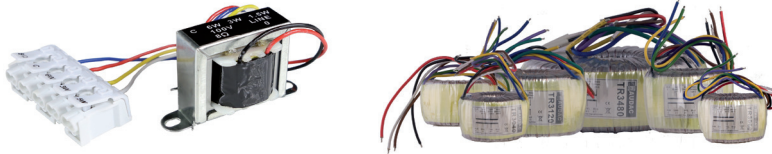
	Max power	Construction	Connection	Primary power taps	Secundary impedance	Dimensions	Weight
TR1006F	6W	EI	FastCon™ connector	6 / 3 / 1.5 W	8 Ω	63 x 36 x 40 mm	161 g
TR1024F	24W	EI	FastCon™ connector	24 / 12 / 6 W	8 Ω	52 x 60 x 56 mm	360 g
TR3030	30W	Toroidal	Tinned wires (20 cm)	100V / 70 / 50 V	8 / 4 / 2 Ω	Ø 80 x 50 mm	950 g
TR3060	60W	Toroidal	Tinned wires (20 cm)	100V / 70 / 50 V	8 / 4 / 2 Ω	Ø 85 x 60 mm	1.27 kg
TR3120	120W	Toroidal	Tinned wires (20 cm)	100V / 70 / 50 V	8 / 4 / 2 Ω	Ø 105 x 65 mm	2.42 kg
TR3240	240W	Toroidal	Tinned wires (20 cm)	100V / 70 / 50 V	8 / 4 / 2 Ω	Ø 130 x 65 mm	4.5 kg
TR3480	480W	Toroidal	Tinned wires (20 cm)	100V / 70 / 50 V	8 / 4 / 2 Ω	Ø 170 x 65 mm	7.02 kg

FastCon™

This speaker connector allows a fast and smooth connection to 100V public address and low impedance systems. It delivers a tool-free solution for connecting the speaker to different power taps thanks to its spring clamps. The ascending power taps for 100V systems are connected to the transformer and one connection is linked straight to the speaker for low impedance systems.

TR2 series

Groundloop isolators

The TR2000 series are basic stereo groundloop isolators, designed as problem solvers to electrically isolate audio devices from each other. Hum in audio systems is usually caused by groundloops in the system. The most common and simple method to solve these problems is an audio isolation transformer such as the TR2000 series.

TR2050	Stereo ground loop isolator 2 x RCA male to 2 x RCA female
TR2060	Stereo ground loop isolator 3.5 mm Jack male to 2 x RCA male
TR2070	Stereo ground loop isolator 3.5 mm Jack male to 3.5 mm Jack female
TR2080	Stereo ground loop isolator 3.5 mm Jack male to 2 x XLR male

WTR series
Waterproof transformers

The WTR series are 100V line transformers for impedance matching between low impedance speakers (8Ω) and 100V amplifiers. Using these transformers, low impedance speakers can be applied to any 100V public address system where long cable runs can be used.

The WTR06 has a maximum output power of 6W and different power taps for 6W, 3W and 1.5W, while the WTR24 has an output power of 24W and taps for 24W, 12W and 6W.

The special designed waterproof AWX5™ connector lets you set the power for the speakers in three adjustable steps for 100V and one step for low impedance applications. The housing is designed to be water- and dustproof, while making it possible to be hidden at any location such as above false ceilings, in wall junction boxes, in hollow places inside walls, etc. All these features make these transformers comply to an Ingress Protection rating of IP66.

	Power taps	Output impedance	Dimensions	Weight
WTR06	6 / 3 / 1.5W	8 Ω	63 x 53 x 63 mm	300 g
WTR24	24 / 12 / 6W	8 Ω	63 x 53 x 63 mm	400 g

MBS1xx series
Setup box installation accessories

The MBS1xx is a series of installation accessories for use in combination with the setup box products range. This range includes a variation of small electronic products such as amplifiers, transformer boxes, converters, and many more.

In combination with the MBS1xx series, extended assembly possibilities are offered allowing them to be fixed underneath tables or desks, assembled above drop ceilings or mounted to 19" equipment racks. The mechanic construction for each of these products is identical, allowing a combined installation for various products.

MBS101T   Mounts one unit to a flat surface

MBS101R   Mounts one unit into a 19" equipment rack (1HE)

MBS102R   Mounts two units into a 19" equipment rack (1HE)

MBS103R   Mounts three units into a 19" equipment rack (1HE)

MBS104R   Mounts four units into a 19" equipment rack (1HE)

Measurement appliances

LCR700
Digital LCR meter

The LCR700 is a digital LCR measurement appliance, essential for sound and electronic engineers. Measurements can be made for induction, capacitance and resistance and the dissipation factor (D) can be read-out on a second display. It can be set to auto-ranging or manual mode and all measurements can be carried out on two different frequencies, 120Hz and 1kHz. This allows measurements of great accuracy on all kinds of specimen.

SLM200
Mini sound level meter

With the SLM200 we developed a stable, safe and reliable way to measure environmental noise levels. This compact digital sound meter has been perfected to achieve highly accurate measurements in a cost-effective, tightly packed measuring instrument. We envisioned a clever and ergonomic tool, accessible when needed. That's why the SLM200's convenient design is densely loaded with all the features of similar bigger devices.
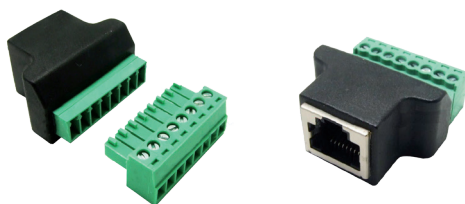
CTA845MK2
Cable test adapter

The CTA845MK2 cable test adapter features a 8-pin terminal block connector (3.5 mm pitch) on one side and a female RJ45 connector on the other side. Both connectors are parallel connected, allowing twisted pair peripheral expansion cabling being tested with standard RJ45 cable testers. This will avoid wrong wiring causing failure and damage to equipment.

Power supplies & antennas

PSD series
Power supplies

The PSD series offers a wide range of versatile switching power supplies. They are mainly used as a power supply for extension units, interface boxes or other expansion units of sound systems, but they can be used for all kinds of applications requiring 12V DC or 24V DC at different current ratings.

There are two different construction forms available. Standard ABS housings suited for standard applications and industrial graded designed DIN rail mounting versions, to be used in all kinds of applications. Going from small and simple applications to industrial environments and hazardous locations.

	Output voltage	Max output current	Max power	Ripple & Noise	Efficiency	Construction	Dimensions
PSD124	12V DC	4A	48W	100mV	83%	DIN rail	32 x 125 x 100 mm
PSD241	24V DC	1.67A	40W	100mV	85%	ABS	50 x 33 x 100 mm

ASK40S
4-Way antenna splitter kit

The splitter kit allows antenna signals distribution to 4 receivers (radio tuners). The frequency range of 5 to 2300 MHz offers compatibility for both FM and DAB/DAB+ signals. It includes four F/F coaxial output connection cables (2 x 0.4m & 2 x 0.6m) and an F-type (twist-on) input connection, offering a complete solution for fourfold tuner systems.

BAE100
Bluetooth extender kit

The BAE100 is a Bluetooth (2.4 Ghz) antenna extender kit, allowing extension of the antenna when the receiver is installed to 19" equipment racks or any other enclosure. Includes a 7 dBi antenna, two SMA male-female connection cables (1m and 5) and multifunctional mounting bracket.

RGA10
Outdoor FM antenna

The RGA10 is an omnidirectional outdoor antenna for FM reception. The circular construction allows antenna assembly around any pole with a 30 ~ 50 mm diameter, while the aluminum construction is resistant for permanent outdoor exposure to the elements. Connections are made using an included F-type connector.

RGA12
Outdoor DAB/DAB+ antenna

The RGA12 antenna is optimized for best DAB+ signal reception. The construction allows antenna assembly around any pole with a 30~50 mm diameter, while the aluminum construction is resistant for permanent outdoor exposure to the elements. Connections are made using an included F-type connector.

Merchandising overview

Textiles

PROMO5006	Heavy Duty Cap
PROMO5081	Polo shirt - S
PROMO5082	Polo shirt - M
PROMO5083	Polo shirt - L
PROMO5084	Polo shirt - XL
PROMO5121	Grey shirt - S to XXL
PROMO5122	Sweater - S to XXL
PROMO5123	Softshell jacket - S to XXL
PROMO5141	Fluorescent vest - XXL

Other

PROMO5007	Gift box - ATEO2
PROMO5008	Gift box
PROMO5010	MTX display
PROMO5014	Double wall display stand
PROMO5032	Double ended screwdriver
PROMO5034	Black promo box for USB-stick
PROMO5036	USB-stick
PROMO5040	Binder
PROMO5041	A4 document
PROMO5080	Umbrella
PROMO5110	Cover bag for BASO15
PROMO5131	Promo felt bag
PROMO5501	Cover bag for XENO8
PROMO5502	AUDAC coffee mug
PROMO5503	Presentation folder
PROMO5521	Ballpoint pen
PROMO5571	USB charging lanyard 3-in-1

Catalogues

PROMO5211	Bars & Restaurants V1.2
PROMO5216	Audio player brochure V3.0
PROMO5217	Brand brochure
PROMO5218	Discreet sound solutions

Set solutions

CANTO solutions

CANTO5.4	4 x CENA506 + COM104
CANTO5.12	12 x CENA506 + COM108
CANTO7.6	6 x CIRA524 + COM108
CANTO7.10P	10 x CIRA524 + COM12MK2
CANTO8.16P	16 x CIRA824 + COM24MK2

CENTO solutions

CENTO4.24	MFA216 + 24 x CALI424 + COM12MK2
CENTO4.6	MFA216 + 6 x CALI424
CENTO5.6	MFA208 + 6 x CIRA524
CENTO5.12	MFA208 + 12 x CENA506
CENTO6.4D	MFA216 + 4 x CALI660
CENTO6.8	MFA216 + 8 x CALI660 + COM12MK2

CERRA solutions

CERRA2.2	2 x MERO2 + AMP20MK2
CERRA2.3	2 x MERO2 + NOBA8A
CERRA2.3+	2 x MERO2 + NOBA8A + AMP523MK2
CERRA2.5	4 x MERO2 + NOBA8A
CERRA2.5+	4 x MERO2 + NOBA8A + AMP523MK2
CERRA2.9	8 x MERO2D + NOBA8A
CERRA2.9+	8 x MERO2D + NOBA8A + AMP523MK2
CERRA6.2E	2 x MERO6 + EPA152

CONGRESS solutions

CONGRESS5.3	2 x KYRA6 + NOBA8A
CONGRESS5.3+	2 x KYRA6 + NOBA8A + AMP523MK2
CONGRESS5.5	4 x KYRA6 + NOBA8A
CONGRESS5.5+	4 x KYRA6 + NOBA8A + AMP523MK2
CONGRESS6.2	AMP203 + 2 x KYRA6
CONGRESS6.2C	MFA208 + 2 x KYRA6
CONGRESS6.3	2 x KYRA12 + BASO10 + SMQ350
CONGRESS6.3E	2 x KYRA12 + BASO10 + EPA254
CONGRESS6.3C	MFA208 + 2 x KYRA6 + 1 x NOBA8A
CONGRESS7.3	2 x KYRA12 + NOBA8A
CONGRESS7.3+	2 x KYRA12 + NOBA8A + AMP523MK2
CONGRESS8.3	2 x KYRA24 + BASO18 + SMQ500
CONGRESS9.3	LINO4 + NOBA8A
CONGRESS10.3	LINO10 + NOBA8A
CONGRESS10.3C	MFA208 + 2 x LINO10 + 1 x NOBA8A
CONGRESS10.5C	MFA216 + 4 x LINO10 + NOBA8A
CONGRESS12.3+	MFA216 + 2 x KYRA12 + NOBA8A
CONGRESS12.3C	MFA208 + 2 x KYRA12 + 1 x NOBA8A

FESTA solutions

FESTA4.2E	2 x ATEO4 + EPA152
FESTA4.3E	2 x ATEO4 + BASO10 + EPA104
FESTA4.4E	4 x ATEO4 + EPA152
FESTA4.5E	4 x ATEO4 + BASO10 + EPA104
FESTA5.5	4 x VIRO5 + 1 x BASO12 + SMQ500
FESTA5.9	8 x VIRO5D + 1 x BASO15 + SMQ750
FESTA6.2E	2 x ATEO6 + EPA252
FESTA6.3	2 x ATEO6 + BASO10 + SMQ350
FESTA6.3E	2 x ATEO6 + BASO10 + EPA254
FESTA6.4E	4 x ATEO6 + EPA252
FESTA6.5	4 x ATEO6 + BASO12 + SMQ350
FESTA6.5E	4 x ATEO6 + BASO12 + EPA254
FESTA7.2E	2 x XENO6 + EPA252
FESTA7.4E	4 x XENO6 + EPA252
FESTA8.2	2 x XENO8 + SMA350
FESTA8.2E	2 x XENO8 + EPA502
FESTA8.4	4 x XENO8 + SMA350
FESTA8.4E	4 x XENO8 + EPA502

FORTE solutions

FORTE8.3	2 x VEXO8 + BASO15 + SMQ500
FORTE8.6	4 x VEXO8 + 2 x BASO15 + SMQ750

FORTE10.2	2 x PX110 + SMA500
FORTE10.4	4 x PX110 + SMA750
FORTE10.6	4 x PX110 + 2 x BASO15 + SMQ750
FORTE12.2	2 x PX112 + SMA750
FORTE12.4	4 x PX112 + SMA750
FORTE12.6	4 x PX112 + 2 x BASO15 + SMQ750
FORTE15.2	2 x PX115 + SMA750
FORTE15.4	4 x PX115 + SMA750
FORTE315.2	2 x FX3.15 + SMQ500
FORTE315.4	2 x FX3.15 + 2 x FX1.18 + 2 x SMQ500 + 1 x SMQ700

LENTO solutions

LENTO4.2	2 x ALTI4 + COM104
LENTO4.2M	2 x ALTI4M + COM104
LENTO4.4	4 x ALTI4 + COM108
LENTO4.4M	4 x ALTI4M + COM108
LENTO4.4EM	4 x ALTI4M + EPA152
LENTO4.6EM	6 x ALTI4M + EPA152
LENTO4.4E	4 x ALTI4 + EPA152
LENTO4.6E	6 x ALTI4 + EPA152
LENTO6.6E	6 x ALTI6 + EPA252
LENTO6.16	16 x ALTI6 + PMQ240

MENTO solutions

MENTO2.5	MFA208 + 4 x ATEO2 + NOBA8A
MENTO2.5S	MFA216 + CELO8S + 4 x ATEO2
MENTO2.9	MFA208 + 8 x ATEO2D + NOBA8A
MENTO2.10	MFA216 + CELO8S + 8 x ATEO2 + NOBA8A
MENTO4.2	MFA208 + 2 x ATEO4
MENTO4.4	MFA208 + 4 x ATEO4
MENTO4.4Z	MFA208 + 4 x ATEO4 + COM108
MENTO4.8	MFA208 + ANI44XT + 8 x ATEO4 + 2 x AMP203
MENTO4.8W	MFA208 + ANI44XT + 8 x ATEO4 + 3 x MWX45 + 2 x AMP203
MENTO4.8Z	MFA216 + COM104 + 6 x ATEO4 + 2 x CIRA524
MENTO4.9	MFA208 + 8 x ATEO4 + NOBA8A
MENTO4.10	MFA208 + 10 x ATEO4 + COM108
MENTO6.2	MFA216 + 2 x ATEO6
MENTO6.4	MFA216 + 4 x ATEO6
MENTO6.4Z	MFA216 + 4 x ATEO6 + COM108
MENTO6.5	MFA216 + 4 x ATEO6 + NOBA8A
MENTO6.8	MFA216 + ANI44XT + 8 x ATEO6 + SMA350
MENTO6.8Z	MFA216 + 8 x ATEO6 + COM12MK2
MENTO6.10	MFA216 + 2 x ANI44XT + 8 x ATEO6 + NOBA8A + SMQ350 + BASO10

PURRA solutions

PURRA5.1	2 x SSP500 + AMP20MK2
PURRA5.2E	2 x WX502MK2/O + EPA152
PURRA4.4E	4 x SSP500 + EPA152
PURRA4.8E	8 x SSP500 + EPA104
PURRA4.16	16 x SSP500 + DPA616

SENSO solutions

SENSO2.2	2 x CELO2 + AMP20MK2
SENSO2.3	2 x CELO2 + NOBA8A
SENSO2.3+	2 x CELO2 + NOBA8A + AMP523MK2
SENSO2.4	4 x CELO2 + AMP20MK2
SENSO2.5	4 x CELO2 + NOBA8A
SENSO2.5+	4 x CELO2 + NOBA8A + AMP523MK2
SENSO2.8E	8 x CELO2D + EPA152
SENSO2.9	8 x CELO2D + NOBA8A
SENSO2.9+	8 x CELO2D + NOBA8A + AMP523MK2
SENSO5.4E	4 x CELO5 + EPA152
SENSO6.8E	8 x CELO6 + EPA104
SENSO82.4S	4 x CELO2 + CELO8S + EPA152
SENSO82.8S	8 x CELO2D + CELO8S + EPA152

SUBLI solutions

SUBLI2.3E	2 x ATEO2 + BASO10 + EPA104
SUBLI2.3EC	2 x ATEO2S + BASO10 + EPA104
SUBLI2.5E	4 x ATEO2 + BASO10 + EPA104
SUBLI2.5EC	4 x ATEO2S + BASO10 + EPA104
SUBLI2.9E	8 x ATEO2D + BASO10 + EPA104
SUBLI2.9EC	8 x ATEO2SD + BASO10 + EPA104

SONA solutions

SONA2.3	2 x ATEO2 + NOBA8A
SONA2.3C	2 x ATEO2S + NOBA8A

SONA2.3C+	2 x ATEO2S + NOBA8A + AMP523MK2	SONA4.3	2 x ATEO4 + NOBA8A
SONA2.3+	2 x ATEO2 + NOBA8A + AMP523MK2	SONA4.3+	2 x ATEO4 + NOBA8A + AMP523MK2
SONA2.5	4 x ATEO2 + NOBA8A	SONA4.5	4 x ATEO4 + NOBA8A
SONA2.5+	4 x ATEO2 + NOBA8A + AMP523MK2	SONA4.5+	4 x ATEO4 + NOBA8A + AMP523MK2
SONA2.5C	4 x ATEO2S + NOBA8A	SONA82.4S	4 x ATEO2 + CELO8S + EPA152
SONA2.5C+	4 x ATEO2S + NOBA8A + AMP523MK2	SONA82.4SC	4 x ATEO2S + CELO8S + EPA152
SONA2.9	8 x ATEO2D + NOBA8A	SONA82.8S	8 x ATEO2D + CELO8S + EPA152
SONA2.9+	8 x ATEO2D + NOBA8A + AMP523MK2	SONA82.8SC	8 x ATEO2SD + CELO8S + EPA152
SONA2.9C	8 x ATEO2SD + NOBA8A		
SONA2.9C+	8 x ATEO2SD + NOBA8A + AMP523MK2		

Index

Notes

Matrix Systems

With innovation at the base of AUDAC's development, the brand offers comprehensive, expandable and powerful solutions for almost every situation.

Amplifiers

AUDAC offers a wide range of digital multi-channel amplifiers for single and multi-zone systems.

Modular audio system

AUDAC pays great attention to its multimedia sources. The development of cutting edge digital audio technology has led to a complete range of sources that will inspire you!

Microphones

From the most robust handheld or headset microphones to advanced paging systems, AUDAC provides you with the right extension for your voice.

Surface mount loudspeakers

The perfect match for fixed audio installations in modern environments, AUDAC offers different sizes of elegantly designed loudspeaker solutions.

Flush mount loudspeakers

Exceptional sound quality and value for a wide variation of applications. The extensive range of flush mount loudspeakers exists out of 5 different series that are complementary to one another.
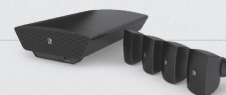
Complete audio solutions

AUDAC offers a wide range of custom audio solutions. Pre-assembled loudspeakers packages specially and acoustically designed for each project.

Looking for advice or a custom solution?

V1.6

AUDAC

info@audac.eu   facebook.com/audacaudio   twitter.com/audacaudio   youtube.com/user/audacaudio