



Introducing MEZZO

FIXED INSTALL RANGE

FIXED INSTALL



OTTOCANALI

8 CHANNELS



QUATTROCANALI

4 CHANNELS



DUECANALI

2 CHANNELS



- ⊙ Lo-Z / Hi-Z (70 V or 100 V) mode per channel
- ⊙ High-pass filters 35 Hz or 70 Hz
- ⊙ Standard Phoenix connectors
- ⊙ GPO for alarms
- ⊙ Optional Dante + DSP



- TOURING
- INSTALLATION



Armonia+Plus
System Manager



OTTOCANALI SERIES

- Redundant universal switch-mode power supply up to 400VAC tolerant with PFC
- Smart Rails Management technology
- Light-weight, for easier packing and shipping: 14 kg/30.8 lbs.
- Single channel / bridge mode available
- Dual redundant power supplies
- For each channel:
 - Lo-Z / Hi-Z (70 V or 100 V) modes
 - HPF filters 35 Hz or 70 Hz
 - GPIO and alarms
- Full-featured DSP - optional
- Dante input / outputs – optional (Dante redundancy supported)
- Full remote control and monitoring via **ArmoníaPlus System Manager™**



VERSION	MULTI-CHANNEL MODE					MONO-BRIDGED	
	2 Ω	4 Ω	8 Ω	70V	100V	4 Ω	8 Ω
12K4	1,000 W	1,500 W	850 W	1,500 W	1,500 W	2,000 W	3,000 W
8K4	850 W	1,000 W	600 W	1,000 W	1,000 W	1,700 W	2,000 W
4K4	450 W	500 W	250 W	500 W	500 W	900 W	1,000 W

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QUATTROCANALI SERIES

- Universal Main, PFC, Smart Rails Management technology
- Single channel / bridge mode available
- Ethernet control for 3rd-Party Control Systems
- Adjustable Gain (26-35 dB)
- For each channel:
 - Lo-Z / Hi-Z (70 V or 100 V) modes
 - HPF filters 35 Hz or 70 Hz
 - GPI for external VCA volume control
 - Diagnostics GPO alarms
- Optional DSP + Dante Integration
- Full remote control and monitoring via **ArmoníaPlus System Manager™**



VERSION	MULTI-CHANNEL MODE					MONO-BRIDGED	
	2 Ω	4 Ω	8 Ω	70V	100V	4 Ω	8 Ω
4804	1,500 W	1,200 W	1,200 W	1,200 W	1,200 W	3,000 W	2,600 W
2404	800 W	600 W	600 W	600 W	600 W	1,600 W	1,200 W
1204	400 W	300 W	300 W	300 W	300 W	800 W	600 W

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DUECANALI SERIES

- Universal Main, PFC, Smart Rails Management technology
- Single channel / bridge mode available
- Ethernet control for 3rd-Party Control Systems
- Adjustable Gain (26-35 dB)
- For each channel:
 - Lo-Z / Hi-Z (70 V or 100 V) modes
 - HPF filters 35 Hz or 70 Hz
 - GPI for external VCA volume control
 - Diagnostics GPO alarms
- Optional DSP + Dante Integration
- Full remote control and monitoring via **ArmoníaPlus System Manager™**



VERSION	MULTI-CHANNEL MODE					MONO-BRIDGED	
	2 Ω	4 Ω	8 Ω	70V	100V	4 Ω	8 Ω
804	500 W	400 W	400 W	400 W	400 W	1,000 W	800 W
1604	1,000 W	800 W	800 W	800 W	800 W	2,000 W	1,600 W
4804	3,000 W	2,400 W	1,250 W	2,400 W	2,400 W	6,000 W	4,800 W

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CASE STUDIES

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POWERSOFT VERTICAL MARKETS



CORPORATE



CONVENTION & EXHIBITION CENTRES



AIRPORTS



THEME PARKS



STADIUMS & ARENAS



CONFERENCE & BOARD ROOMS



MUSIC VENUES



RETAIL



HOUSES OF WORSHIP



INDUSTRIAL



HOTELS & RESORTS



BARS & RESTAURANTS



THEATRES



MUSEUMS



MALLS & SHOPPING CENTERS



CRUISE SHIPS



STADIUM SYSTEM

GELREDOME STADIUM
ARNHEM, NL



CHALLENGE:

34,000 seats. PA and VA system for football games and concert delay systems.

SOLUTION:

68 amplifiers fully controlled over Gigabit network including extensive monitoring to comply with VA standards.

RESULT:

Compliant to NEN-2575-3 Voice alarm standard and UEFA standard for Arenas. More than 30% power saving compared to other solutions.



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RESTAURANT SYSTEM

CHALLENGE:

A reliable and efficient system for background music, night after night. To reduce rack space and installation costs.

SOLUTION:

5x **Quattrocanali** units to replace 12x 2-channel amplifiers mixing Lo-Z and 70-Volt distributed line loads.

RESULT:

Reliable and high-power system with zero service required. Saving on racks, cabling and operational costs.



THEATRE SYSTEM

QUEEN ELIZABETH HALL
ANTWERP, BE



CHALLENGE:

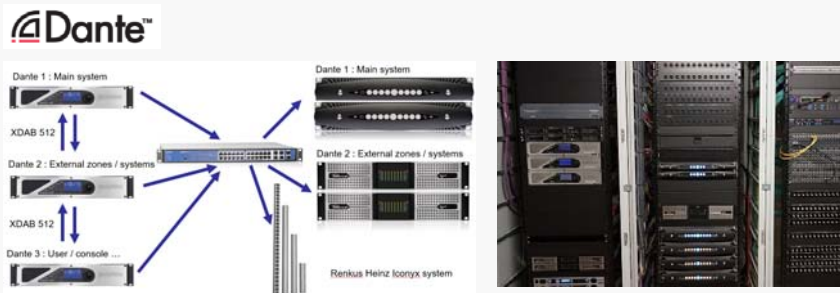
Design of voice and music systems for the concert hall and 10 conference spaces.

SOLUTION:

Powersoft X-series and **Ottocanali DSP + Dante**. DSP network-controlled amplifiers as part of the audio network.

RESULT:

A system with full remote control and local DSP assigned to Powersoft amplifiers. Full Dante audio network.



INDUSTRIAL SYSTEM

CHALLENGE:

Paging and background music system for a 60,387 m² distribution centre.

SOLUTION:

4x **Quattrocanali 4804 DSP+D** to provide power to over 300 100-Volt loudspeakers. Full control with Symetrix Prism.

RESULT:

High intelligibility and even sound distribution with full control.



TESCO'S DISTRIBUTION CENTRE
MILTON KEYNES, UK



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And now... MEZZO

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INTRODUCING MEZZO



Half rack space



Powersharing



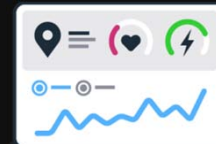
LO-Z/ HI-Z per channel



Energy Star



Auto set-up



Monitoring



Armonia+Plus
System Manager

3rd party remote control



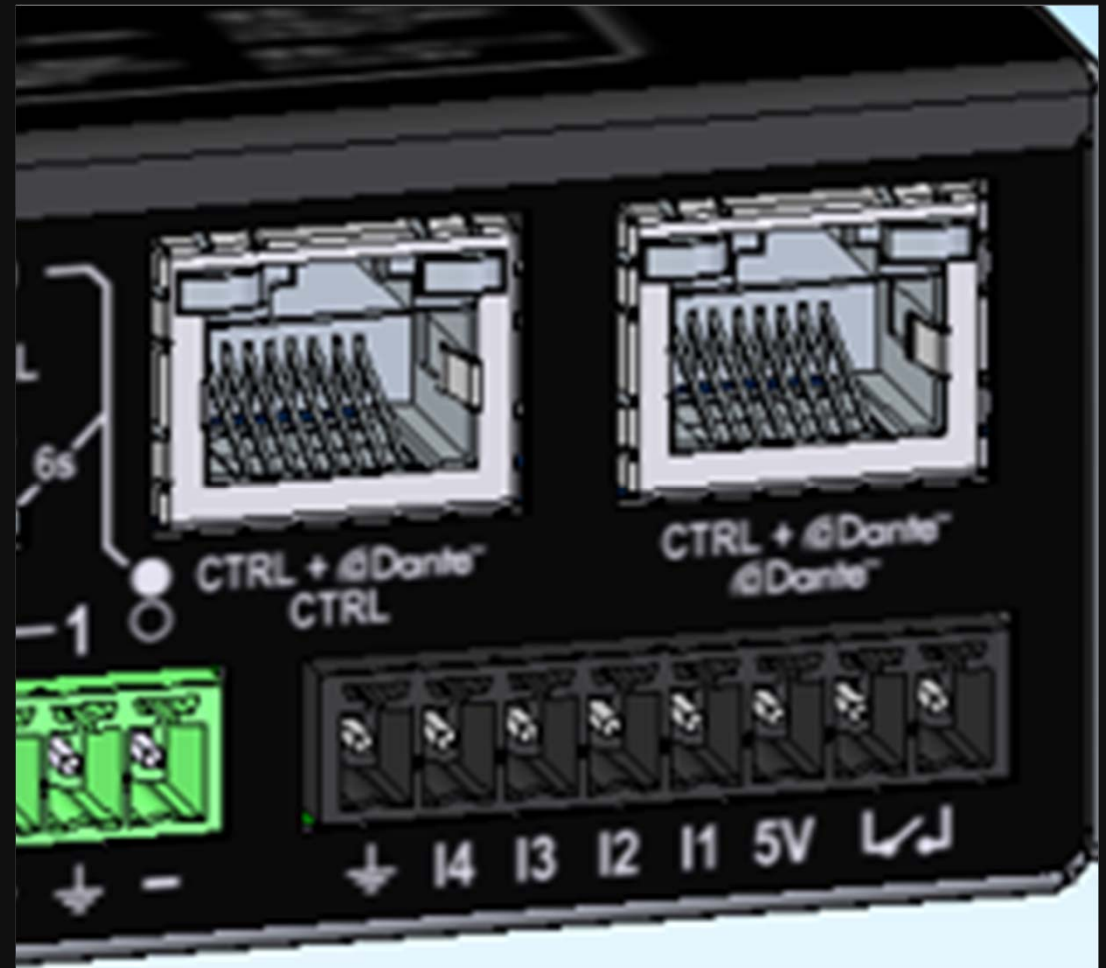
Audio networking



Versions:

Featured versions:

- A – Analog audio with full remote control via 3rd party control like Extron, Creston, AMX, e.a.,
- **AD** - Adds Dante/AES67. For projects where a simpler solution with **audio over IP** is desired.
 - With an external matrix
 - Powersoft system sharing inputs



The models



320W PSU => sealed

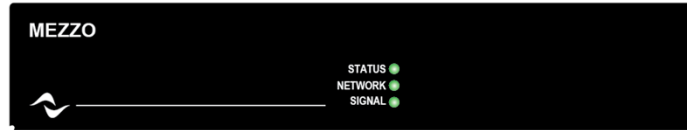
Mezzo 322 AD
2x160W

AD: +Dante

2 ch



The models



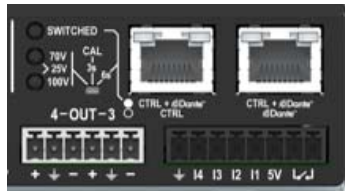
320W PSU => sealed

Mezzo 322 AD
2x160W

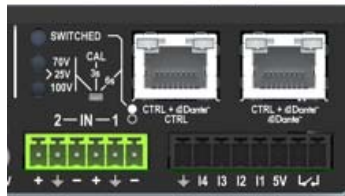
Mezzo 324 AD
4x80W

AD: +Dante

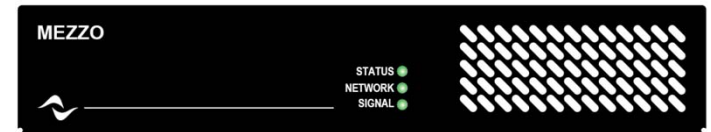
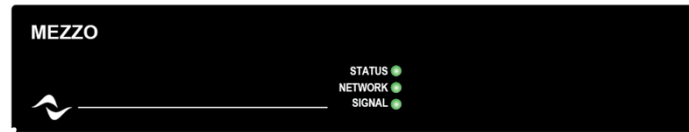
2 ch



4 ch



The models



320W PSU => sealed

600W PSU => ventilated

Mezzo 322 AD
2x160W

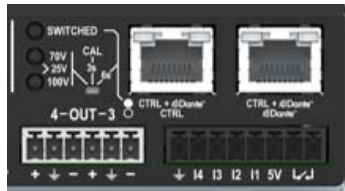
Mezzo 602 AD
2x300W

Mezzo 324 AD
4x80W

Mezzo 604 AD
4x150W

AD: +Dante

2 ch



4 ch



The models



320W PSU => sealed



600W PSU => ventilated

AD: +Dante

2 ch



Mezzo 322 AD
2x160W

Mezzo 602 AD
2x300W

4 ch

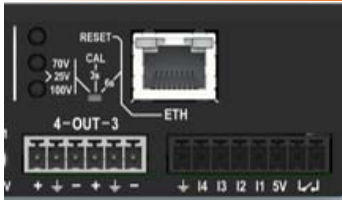


Mezzo 324 AD
4x80W

Mezzo 604 AD
4x150W

A : 1 Ethernet

2 ch



Mezzo 322 A
2x160W

Mezzo 602 A
2x300W

4 ch



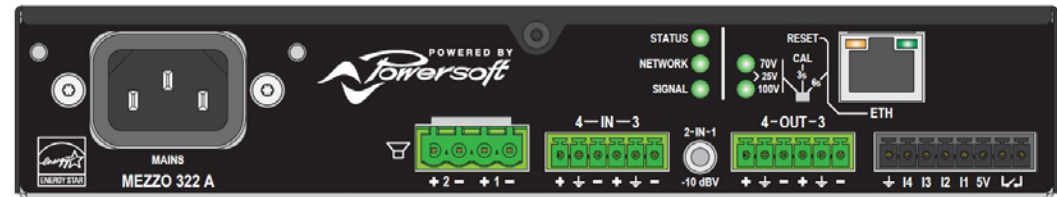
Mezzo 324 A
4x80W

Mezzo 604 A
4x150W

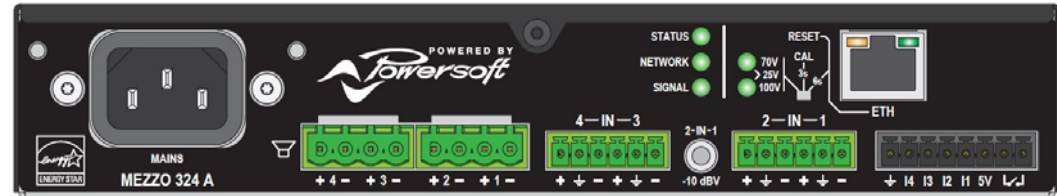


Sealed versions

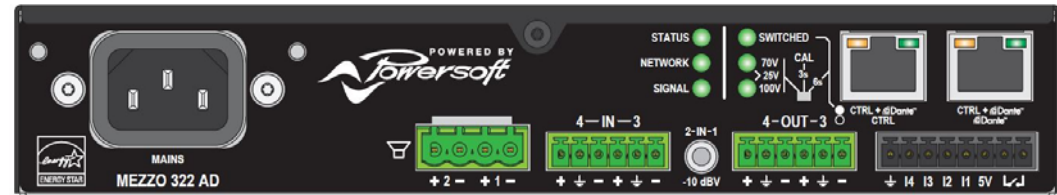
Mezzo 322 A 2 x 160 W



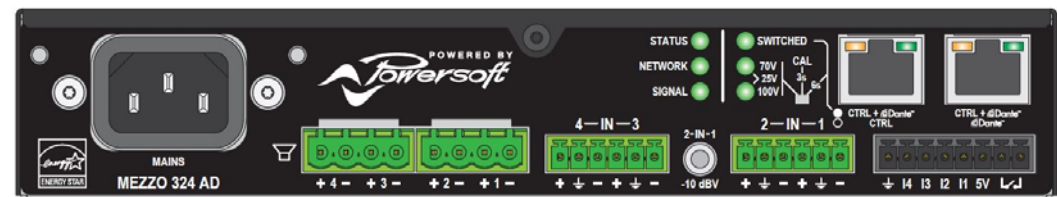
Mezzo 324 A 4 x 80 W



Mezzo 322 AD 2 x 160 W



Mezzo 324 AD 4 x 80 W



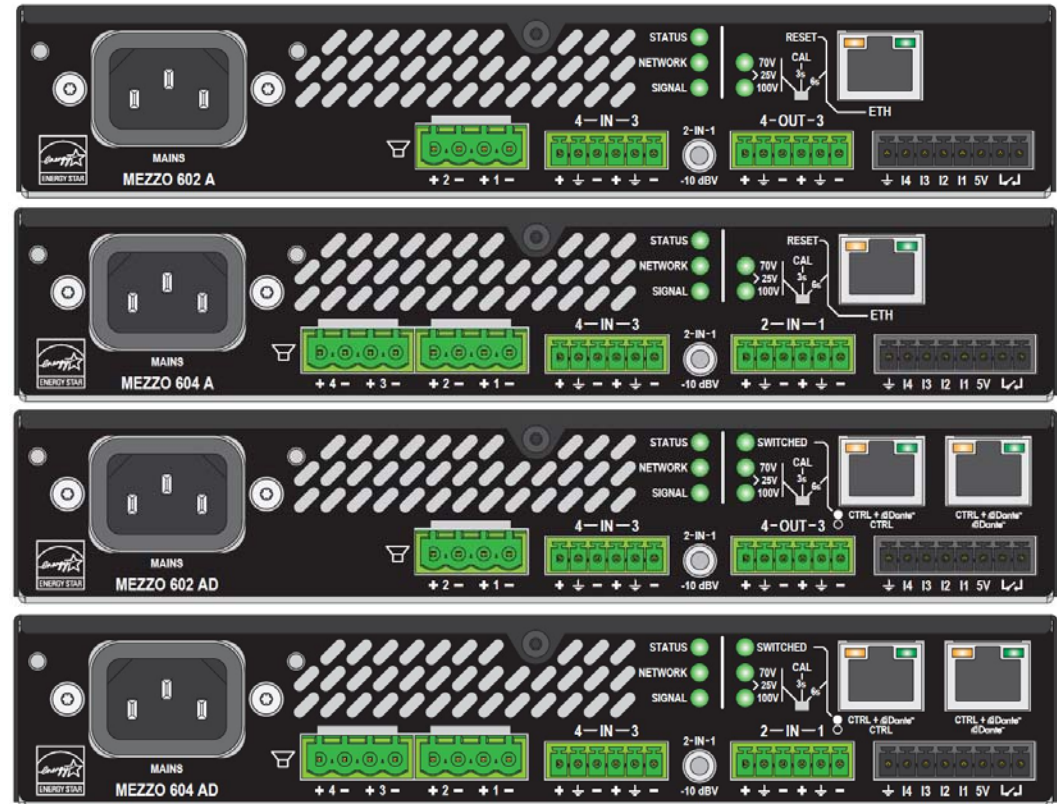
Vented versions

Mezzo 602 A 2 x 300 W

Mezzo 604 A 4 x 150 W

Mezzo 602 AD 2 x 300 W

Mezzo 604 AD 4 x 150 W



Plug and Play

Automatic setup per channel:

- Lo-Z or 25/70/100V.
- Auto-set limiters – full power on all channels
- Gain – 4 dBu for full power
- Load monitoring

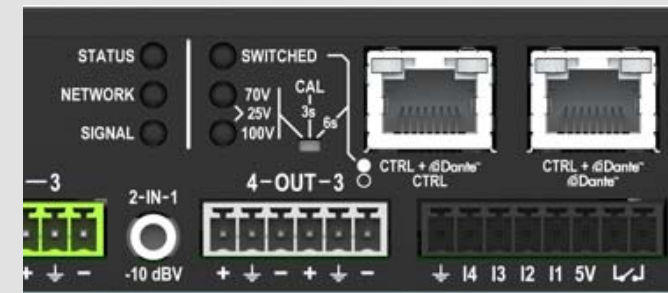




Auto set-up

Offering what no other amplifier can:

- Automatic measurement of the load connected by FFT measurement
- No setting of dip switches for High or Low impedance mode
- No complicated setting of limiters needed
- Enables Powersharing automatically; Any channel can get the maximum power if it needs it
- Allows for load monitoring and fault finding
- This makes it very easy to integrate with a matrix



“A” : Analog version

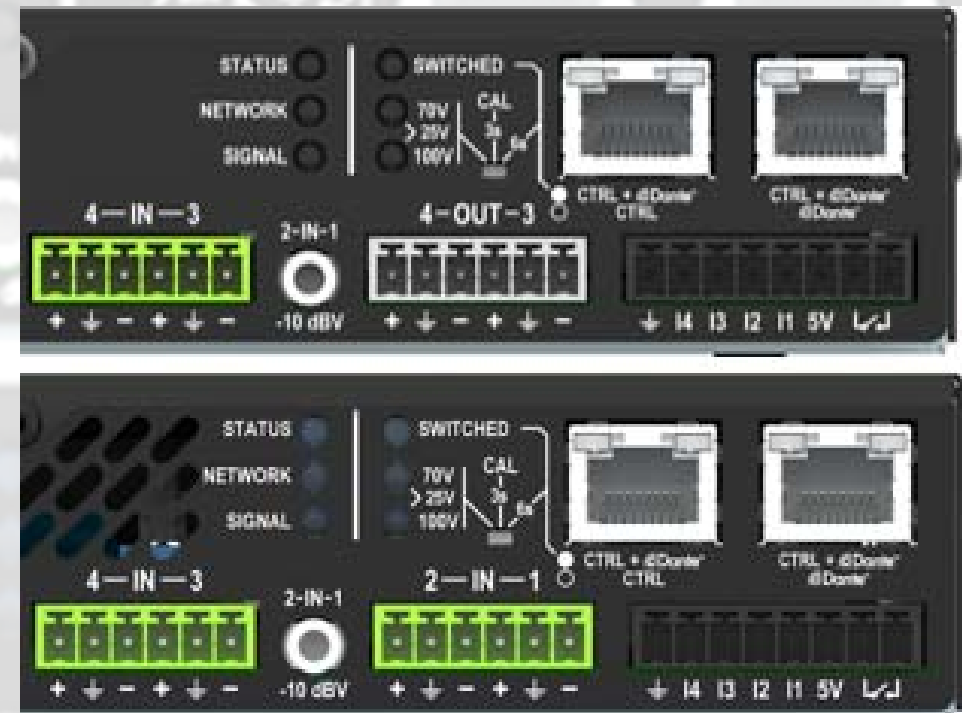
- To be used as a simple amplifier with analog input from a matrix/ BGM source, mixer or any other analog input
- Unlike other similar products it supports load monitoring
- Simple and complete 3rd party control into Q-SYS and Symetrix TBC (others to be supported too)
- Line level out on 2 channel version to support driving high power Duecanali standard (or other)
- Zone level and source selection can be controlled with GPI



“AD” : Analog + Dante version

- Analog line level inputs (-10 dB mini jack parallel to ch. 1&2)
- Use Audinate Dante & AES67 supported
- Supports Dante Inputs and Outputs
- Switched ports (or separate for control and audio) can significantly reduce networking costs
- Line level out to support break-out on 2 channels versions to high power Duecanali standard (or other)

MK1



Dia 25

MK1

redundant mode ?

Marc Kocks; 18-12-2018

**2 : 4 in 2+2 out

- The 2 channel models have 2 powered outputs
- Analog inputs unbalanced (-2 dBu mini jack ch. 1&2)
- Analog line level balanced inputs (4 dBu phoenix 3&4) **MK1**
- Line level processed out to support shared source selection and room EQ on 2 channels to feed other things
 - Higher power amplifiers (can user speaker processing in the Mezzo)
 - Powered speakers



Dia 26

MK1

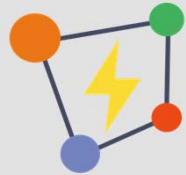
redundant mode ?

Marc Kocks; 18-12-2018

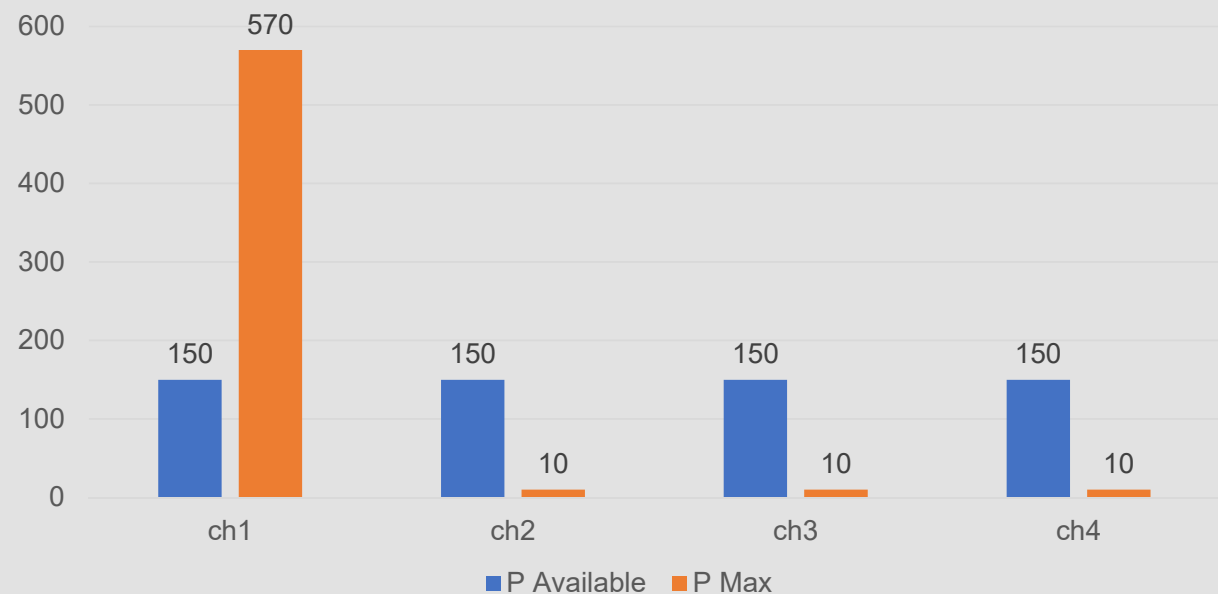
Powersharing

The total amplifier power is shared across all output channels, allowing installers the freedom to utilize power where needed.

- Maximum output voltage and current available at all channels
- Total output power for all channels is specified power
- Supports 2/4/8 Ohm Low impedance and 70 & 100 Volt High impedance modes or any mix
- Auto set-up for easy installation and integration



MEZZO 604 @ 70 Volt example



Output power

Model	604	602	324	322
Total rated power	600 W	600 W	320 W	320 W
CEA2006 1 kHz, max 1% THD into	Output power (all channels driven)			
100V	125 W	250 W	80 W	160 W
70V	150 W	300 W	80 W	160 W
25V	150 W	300 W	80 W	160 W
16 Ω	150 W	250 W	80 W	160 W
8 Ω	150 W	300 W	80 W	160 W
4 Ω	150 W	300 W	80 W	160 W
2 Ω	150 W	200 W	80 W	160 W



Output power

Model	604	602	324	322
Total rated power	600 W	600 W	320 W	320 W
CEA2006 1 kHz, max 1% THD into	Output power (all channels driven)			
100V	125 W	250 W	80 W	160 W
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4 Ω	150 W	300 W	80 W	160 W
2 Ω	150 W	200 W	80 W	160 W
	Max assignable power per channel			
100V	500 W	500 W	320 W	320 W
70V	600 W	600 W	320 W	320 W
25V	250 W	250 W	250 W	250 W
16 Ω	500 W	500 W	320 W	320 W
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4 Ω	400 W	400 W	320 W	320 W
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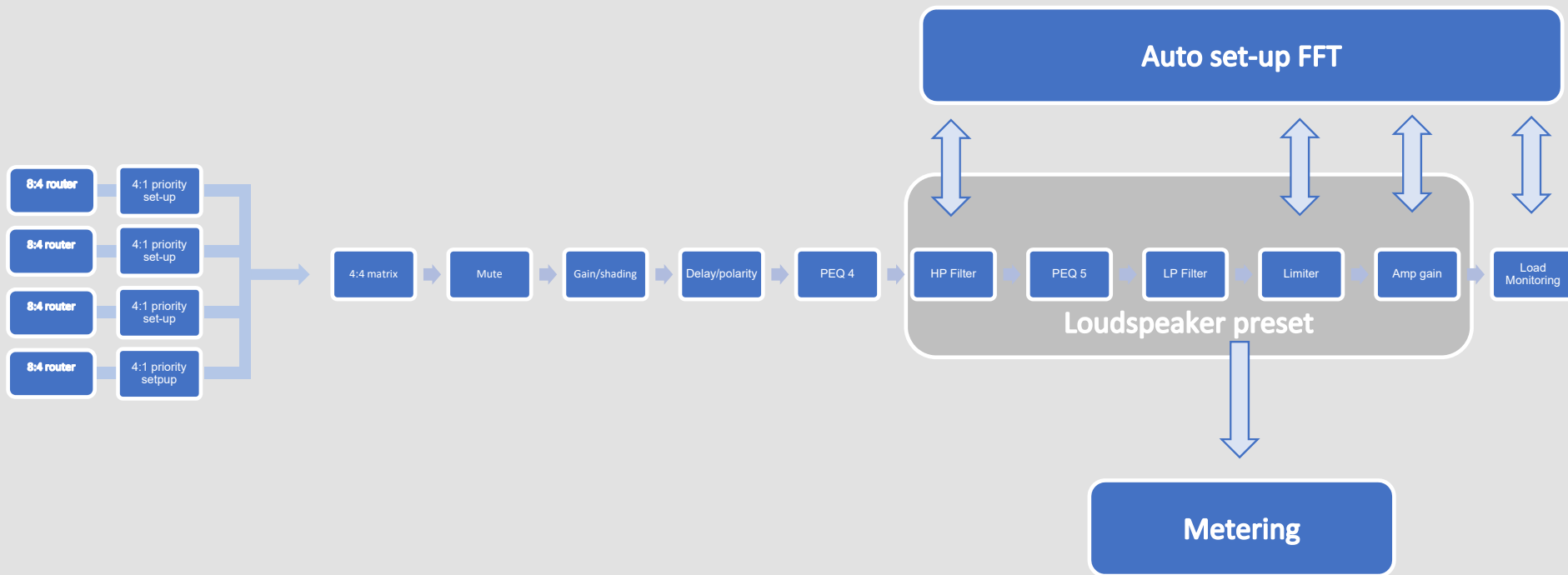
100% assignability

100% assignability

100% assignability



Block diagram



NETWORKING

API control/monitoring parameters:

- Source selection
- Matrix control
- Mute
- Gain
- Delay
- PEQ
- Setup
- Metering
- Impedance curve acquisition
- Load monitoring
- Remote on/off
- Status control
- Alarms





Energy star

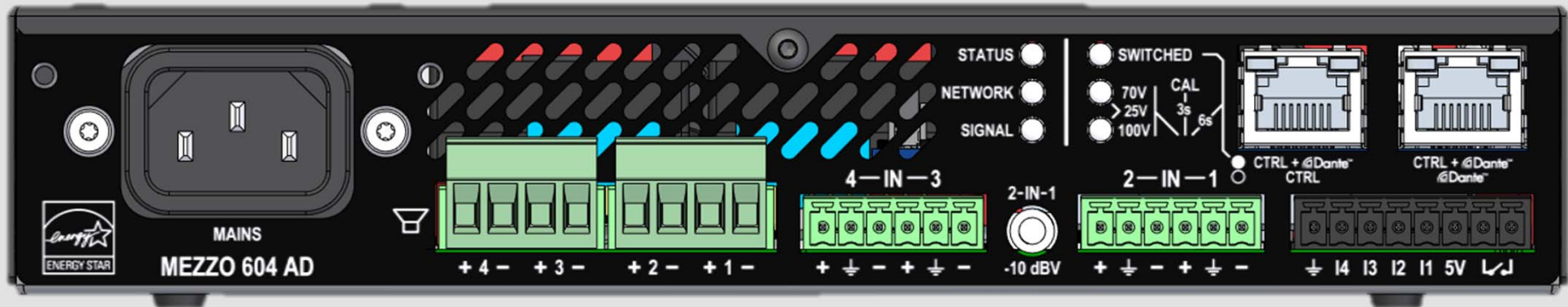
Powersoft ENERGY STAR qualified amplifiers

- deliver considerably lower power consumption than competitive models.
- offer significant long term energy savings
- reduce operating costs,
- Minimize thermal emission
- achieve overall energy efficiency goals throughout their facilities
- Auto power on/off
- Lowest standby consumption

Promote sustainability through a reduction in the consumption of natural resources for producing energy.



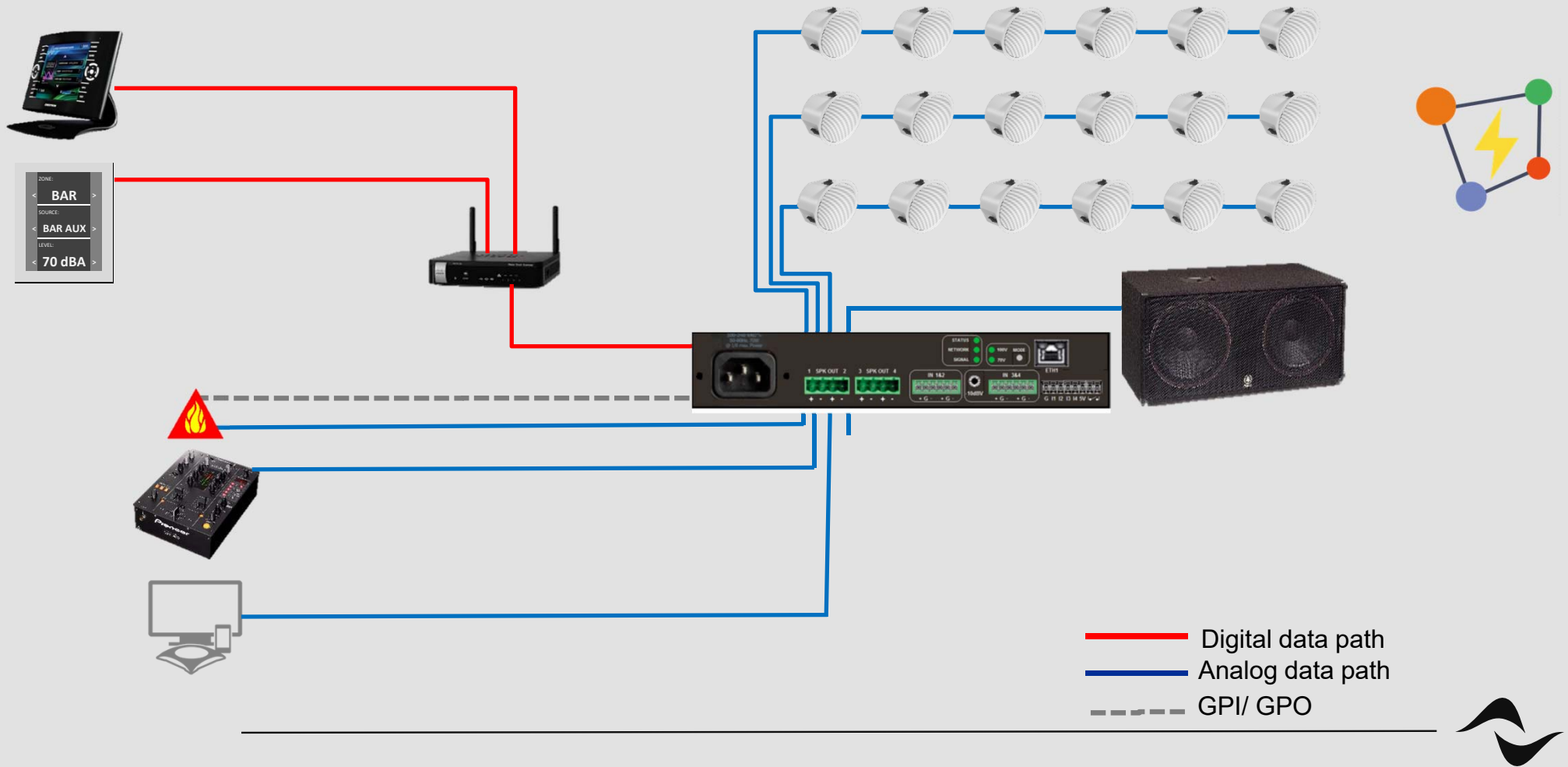
Zoning examples



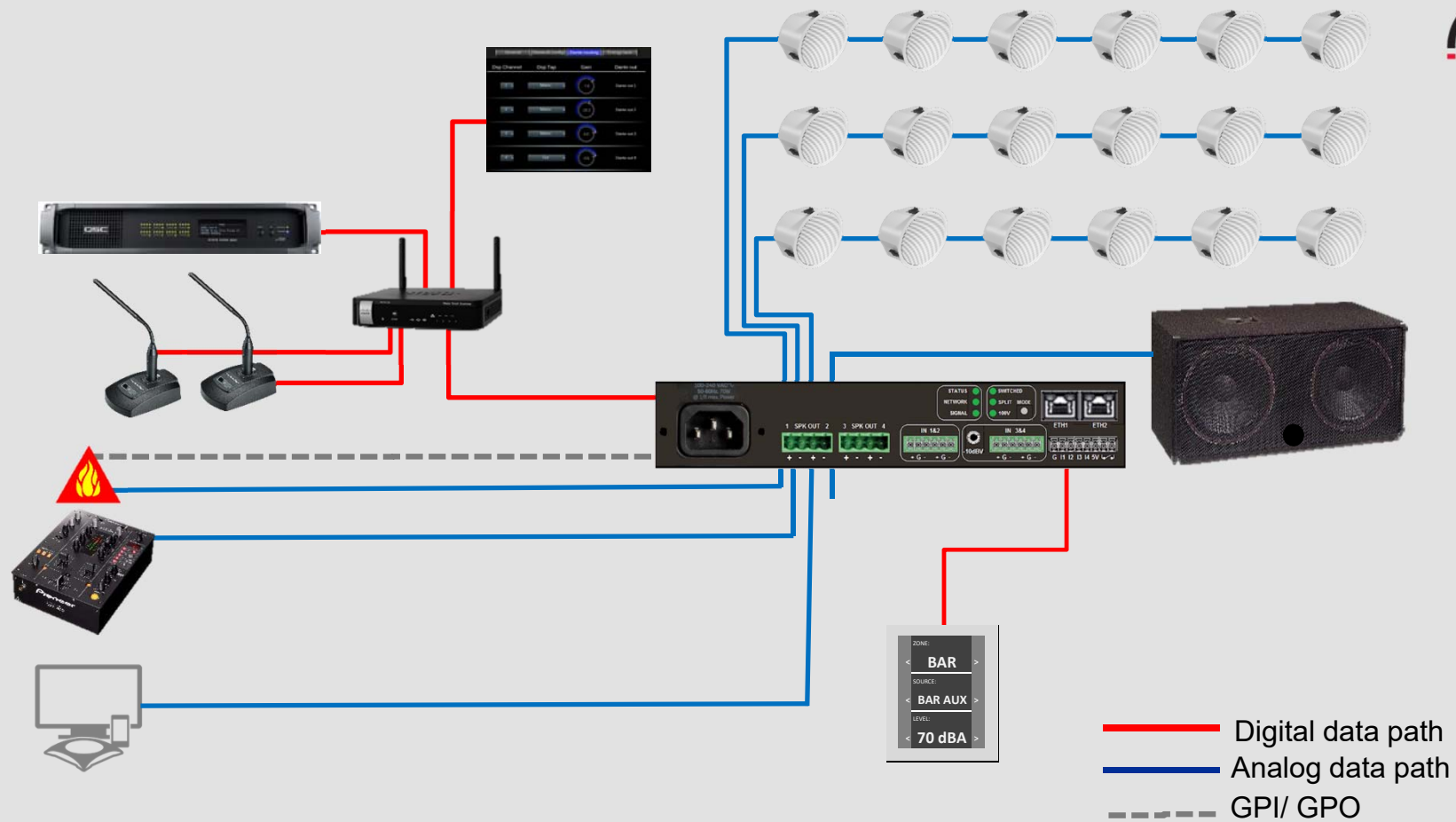
4 CHANNEL	3 CHANNEL	2 CHANNEL	1 CHANNEL
2.1 + FR delay	2.1	Stereo FR	Mono FR
FR Stereo + 2 FR mono delay	Stereo FR + FR delay	Mono sub + Top	
FR Stereo + 2 FR stereo delay	Mono + 2 FR delay	Mono FR + FR delay	
Mono sub + top+ 2 FR delays		4 in : 2 out mono system	
Mono FR + 3 FR delay			
8 in: 4 out mono system			



MEZZO 324/604 A SYSTEM EXAMPLE



MEZZO 324/604 AD SYSTEM EXAMPLE



Flexible placement – 19”

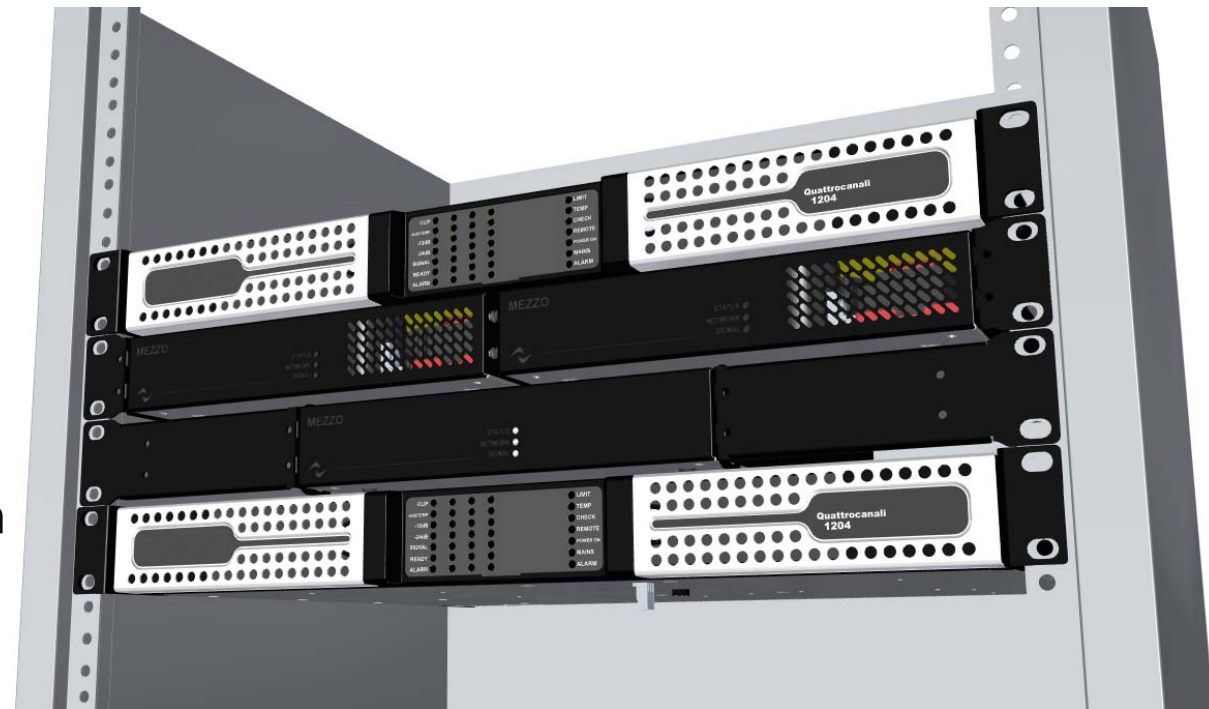
Tandem

2 next to each other in a 19” rack

(accessories in the box)

Single in a 19” rack => central position

(accessories in the box)



Flexible placement - anywhere

Wall mount - these brackets can be used in 2 ways

- Hidden behind - looks better!
(Drilling template and brackets included)
- Visible - faster to mount

Can be used for mounting

- Under tables
- In ceilings
- On walls inside cabinets
- Above ceilings
- On walls (e.g. behind a TV screen)



Tilt: 0° - 7°



Flexible placement - Plenum

Plenum mount; Requires accessory kit

UL2043 => In a plenum space above the roof

Sold in 3-pack





THANKS FOR WATCHING
AND GOOD WORK