

MEZZO Series

2/4 Channel Compact Install Amplifier



- TOURING
- INSTALLATION



ArmoniaPlus
System Manager

Mezzo offers the same sound clarity, reliability, and overall build quality of any Powersoft install dedicated amplifier platform in a ½ rack unit form factor. It comes in 2 power supply sizes, 2 or 4 channels, and state of the art DSP.

All models offer multiple analog input options, and the 2 channel versions feature line level outputs.

AD versions of Mezzo add audio networking capabilities with Dante™/AES67 and an internal Gigabit Ethernet switch and a second port so that multiple products can share the same network cable.

Smaller versions of Mezzo are sealed designs, therefore approved for hidden placement, such as mounted above the ceiling or tucked in a wall box.

The included mounting accessories allow multiple options: 1 or 2 Mezzo in a 19" Rack, 1 Mezzo in an 11" rack, wall mount brackets allow it to be mounted on any flat surface, also under a table or in the ceiling.

Rubber feet allow Mezzo to be placed on a shelf.

The unique Auto Setup function allows Mezzo to optimize the gain, limiters and high pass filter for the connected loudspeakers with a simple push

of a button.

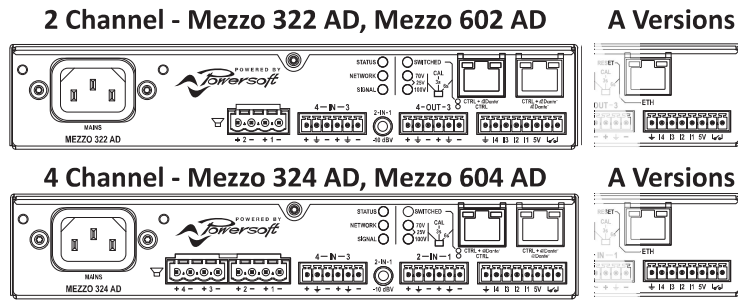
The amp stage delivers Powersoft's renowned sound quality and the channels' headroom allow power sharing so that a channel can deliver up to the full capacity of the power supply in the case of the 320W models, or slightly less in the case of the 600W models.

- ▶ Multiple mounting options
- ▶ Auto-Setup
- ▶ Power sharing
- ▶ Full remote control via 3rd party controls



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Specifications

| Channel Handling | |
|---|--|
| | 322 A/AD 602 A/AD |
| | 324 A/AD 604 A/AD |
| Number of output channels | 2 (Euro 5 mm) |
| Line level outputs | 2 (Euro 3.8 mm) |
| Dante/AES67 output channels | 4 (AD versions only) |
| Balanced inputs channels | 2 (Euro 3.8 mm) |
| Unbalanced inputs channels | 2 (stereo mini-jack) In parallel with input 1 & 2 |
| Dante/AES67 input channels | 4 - max 2 flows (AD versions only) |
| Audio | |
| Gain | 17 dB - 47 dB (0.1 dB increments) |
| S/N (20 Hz - 20 kHz @ 8 Ω) analog input | 322 A/AD 602 A/AD 324 A/AD 604 A/AD |
| Dante™/AES67 input → 2dB better | >103 dB >105 dB >100 dB >102 dB dB(A) |
| Input sensitivity | 4 dBu (balanced) -10 dBV (unbalanced) |
| Max input level | 18 dBu / 6.16 V _{RMS} |
| Frequency Response @ 8 Ω | 20Hz – 20kHz +/-0.5 dB |
| Crosstalk (1 kHz) | -60dB |
| Input impedance | 10kΩ to GND / 20kΩ balanced |
| CMRR (Typ.) | 60 dB |
| DSP | |
| AD converters | 24 Bit @ 48 kHz 125 dB-A Dynamic Range - 0.00x % THD+N |
| DA converters | 24 Bit @ 48 kHz 115 dB-A Dynamic Range - 0.00x % THD+N |
| Internal precision | 32 bit floating point |
| Wake up time (from sleep) | 2 s |
| Latency | 2.5 ms fixed latency architecture |
| Delay | 100ms (per output) for time alignment |
| Equalizer | Parametric IIR: peaking, hi/lo-shelving, all-pass, band-pass, band-stop |
| Crossover | Butterworth, Linkwitz-Riley, Bessel: 6 dB/oct to 24 dB/oct (IIR). |
| High pass filter | A 12 dB Butterworth high pass is automatically set based on the impedance response in the auto setup |
| Limiters | RMS voltage, Peak limiter |
| Load monitoring | Triggered impedance sweep, average impedance and pilot tone monitoring. |
| Construction | |
| Dimensions | 210 x 275 x 40 mm |
| Weight | 2.6 kg |

| Output Stage | 322 A/AD | 602 A/AD | 324 A/AD | 604 A/AD | |
|------------------------------------|---|----------|----------|----------|-------|
| Commercial total rated power | 320 W | 600 W | 320 W | 600 W | |
| Maximum output power | per channel @ 100 V (symmetrical)* | 160 W | 250 W | 80 W | 125 W |
| | per channel @ 70 V (symmetrical)* | 160 W | 300 W | 80 W | 150 W |
| | per channel @ 25 V (symmetrical)* | 160 W | 250 W | 80 W | 150 W |
| | per channel @ 16 Ω (symmetrical)* | 160 W | 300 W | 80 W | 150 W |
| | per channel @ 8 Ω (symmetrical)* | 160 W | 300 W | 80 W | 150 W |
| | per channel @ 4 Ω (symmetrical)* | 160 W | 300 W | 80 W | 150 W |
| | per channel @ 2 Ω (symmetrical)* | 160 W | 200 W | 80 W | 150 W |
| | Maximum power sharing capacity per channel | | | | |
| | per channel @ 100 V (asymmetrical)** | 320 W | 500 W | 320 W | 500 W |
| | per channel @ 70 V (asymmetrical)** | 320 W | 600 W | 320 W | 600 W |
| per channel @ 8 Ω (asymmetrical)** | 320 W | 600 W | 320 W | 600 W | |
| per channel @ 4 Ω (asymmetrical)** | 320 W | 400 W | 320 W | 400 W | |
| Maximum unclipped output voltage | 142 V _{peak} | | | | |
| Maximum output current | 15.6 A _{peak} (overcurrent protection @ 18.7 A _{peak}) | | | | |

*Available by driving and loading all the channels symmetrically.
 **Maximum assignable per channel and the result of the auto setup

| Power | 322A/602A | 324A/604A | 322AD/602AD | 324AD/604AD |
|------------------------|---|-----------|-------------|-------------|
| Idle | 14 W | 18 W | 17 W | 21 W |
| Power supply | Universal regulated switch mode with PFC, SRM | | | |
| Nominal voltage (±10%) | 100-240 VAC @ 50-60Hz | | | |
| Operating Voltage | 90-264 VAC @ 50/60 Hz | | | |
| AC Mains connector | IEC 10A | | | |

| Cooling & fan noise | | |
|--|-----------------------------------|-------------------------------|
| | 322-324 A/AD | 602-604 A/AD |
| | Sealed design - Internally cooled | Forced cooled - Front to back |
| Average output power capacity with fans not moving | 4 W | 4 W |
| Whisper mode | 8 W (26 dBA) | 8 W (26 dBA) |
| Max power | 30 dBA | 41 dBA |

| Networking | | |
|---------------|-------------------------|--|
| | Mezzo A versions | Mezzo AD versions |
| Network | 1 x RJ45 Fast Ethernet | 2 x RJ45 Fast Ethernet |
| Network modes | Control/monitoring only | Switched: Both ports connected with an integrated switch. Supports forwarding of gigabit traffic. Split: One port for control/monitoring, 1 port for audio |

Data subject to change without notice

