



## AUDIO ZONE AMPLIFIER

# MZ-SERIES

## INSTALLATION

### MZ-280Q

#### FEATURES

- 4x 280 Watts RMS Power output
- 4 Assignable Zones
- 70V/100V or Min 4 Ohm Impedance Speaker Outputs (Configurable per zone)
- 5 comprehensive audio input channels
- Independent Bass and Treble EQ adjustment on each zone
- Compact 1U 19 inch rack mountable
- Universal ~100-240V worldwide operation
- Remote volume control capability

#### APPLICATIONS

- Bars And Clubs
- Live Sound Reinforcement
- Ballrooms
- Worship
- Corporate AV events
- Cafes
- Retail
- Fitness

4x 280W

4-16 OHM  
70V/100V

DIRECT  
DRIVE

REMOTE  
CONTROL

4 ZONE

ECO  
DESIGN

ORiGIn  
ADVANCED MULTI-  
CORE PLATFORM

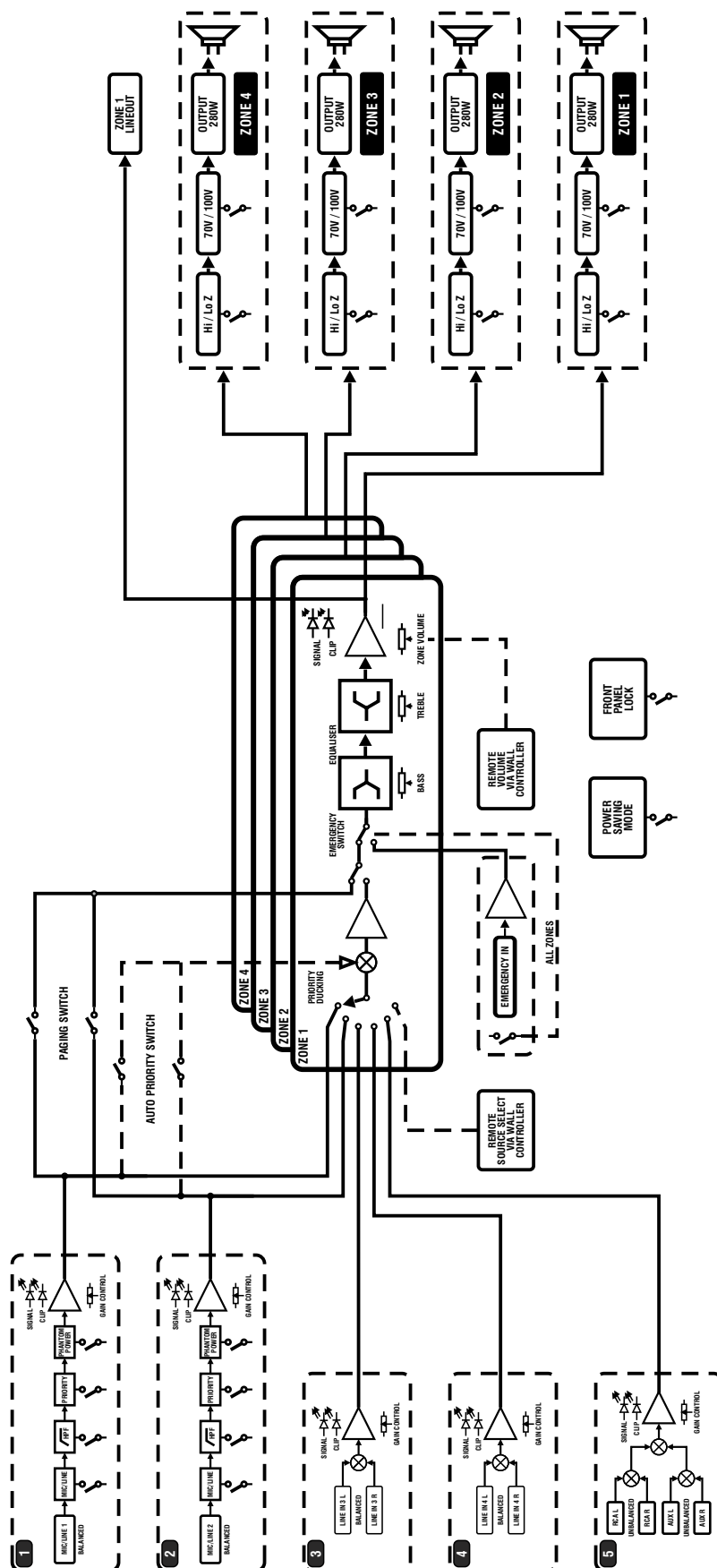


|                                 |                                                                                                                                                                                                                                                                                                               |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                           | MZ-280Q                                                                                                                                                                                                                                                                                                       |
| System type                     | Zone Power Amplifier with Input Routing                                                                                                                                                                                                                                                                       |
| <b>Specifications</b>           |                                                                                                                                                                                                                                                                                                               |
| Input Channels                  | 5                                                                                                                                                                                                                                                                                                             |
| Output Channels                 | 4                                                                                                                                                                                                                                                                                                             |
| Power Per Output Channel        | 280W RMS* (Can direct drive 4 ohm, 8 ohm or 70/100V systems selectable per zone)<br>280W into 4 ohm. 245W into 8 ohm, 250W into 70V and 240W into 100V. (* 250W max when running at 120V mains Voltage)                                                                                                       |
| Minimum Drive Impedance         | 4 ohm (8 ohm for 70V/100V modes)                                                                                                                                                                                                                                                                              |
| Output Limiter                  | Yes                                                                                                                                                                                                                                                                                                           |
| Frequency response              | 20-20KHz $\pm 0.1$ dBu (LoZ Mode) 80-20KHz $\pm 0.1$ dBu (HiZ Mode)                                                                                                                                                                                                                                           |
| Input Channel 1 & 2             | Balanced XLR & 6.3mm Jack Combi Socket. Mic/line modes, Auto Priority (ducks the other channels by 20dBu) and 120Hz Hipass Filter                                                                                                                                                                             |
| Phantom Power                   | +15VDC                                                                                                                                                                                                                                                                                                        |
| Input 3 & 4                     | L & R balanced 3.5mm euro block inputs per channel                                                                                                                                                                                                                                                            |
| Input 5                         | 3.5mm stereo aux in and stereo RCA socket.                                                                                                                                                                                                                                                                    |
| Emergency Input System Override | Balanced 3.5mm Euroblock connector for integration with fire systems, overriding the normal inputs and master volume controls.                                                                                                                                                                                |
| Input Sensitivity CH1 & 2       | Mic 40dBu, Line 0dBu Nominal, $\pm 20$ dBu with Input gain sensitivity adjustment.                                                                                                                                                                                                                            |
| Input Sensitivity CH3/4/5       | 0dBu Nominal, $\pm 20$ dBu with Input gain sensitivity adjustment.                                                                                                                                                                                                                                            |
| Input Sensitivity Emergency In  | 0dBu Nominal                                                                                                                                                                                                                                                                                                  |
| Maximum Outputs (Line levels)   | +21dBu                                                                                                                                                                                                                                                                                                        |
| Input Impedance                 | Mic Input: 220 $\Omega$ , Line In: 20K $\Omega$ , Aux In: 10K $\Omega$                                                                                                                                                                                                                                        |
| THD+N                           | <0.01% @ 0dBu in, mid volume <0.008% @ +6dBu in, maximum volume                                                                                                                                                                                                                                               |
| Crosstalk                       | < -95dB crosstalk between channels, maximum volume                                                                                                                                                                                                                                                            |
| Noise Floor (A-weighted)        | < -70dBu (unmuted) < -110dBu (muted)                                                                                                                                                                                                                                                                          |
| SNR (A-weighted)                | >110dB                                                                                                                                                                                                                                                                                                        |
| Cooling                         | Two thermally controlled 40x20mm Low noise brushless dual bearing fans for reliable performance in high ambient temperatures.                                                                                                                                                                                 |
| Output Connectors (Amplifier)   | 5.08mm Euroblock connectors per Zone                                                                                                                                                                                                                                                                          |
| Output Connectors (Other)       | Balanced 3.5mm Euro Connector, follows Zone 1 Volume (For System Expansion)                                                                                                                                                                                                                                   |
| Controls                        | All inputs feature front panel mounted input sensitivity gain controls with signal detect and peak level indicators. Each input contains gain level controls, each zone contains Source select, Bass, Treble and master volume controls. Rear panel includes front panel lock and zone amplifier mode options |
| EQ                              | Bass 250Hz Shelving Control, $\pm 12$ dB per zone. Treble 2kHz Shelving Control, $\pm 12$ dB per zone                                                                                                                                                                                                         |
| Indicators                      | Power/Standby, all channels feature signal present and peak LEDs, Zone outputs feature power amp clip LEDs                                                                                                                                                                                                    |
| AC Power                        | Universal AC 100-240V~ 50/60HZ                                                                                                                                                                                                                                                                                |
| Power Consumption               | 30W Idle, 300W Typical, 650W Max, 0.2W Standby                                                                                                                                                                                                                                                                |
| Standby Modes                   | Individual channel standby and power saving mode, both with signal override. Energy Star & ErP 1275/2008/EC Compliant.                                                                                                                                                                                        |
| <b>Dimensions</b>               |                                                                                                                                                                                                                                                                                                               |
| Unit dimensions (HWD)           | 44 x 483 x 417 mm, (1.7" x 19" x 16.4")                                                                                                                                                                                                                                                                       |
| Net Weight                      | 4.9Kg, 10.8 lbs                                                                                                                                                                                                                                                                                               |
| Carton dimensions (HWD)         | 150 x 630 x 510 mm, (5.9" x 24.8" x 20.1") (0.048 M3)                                                                                                                                                                                                                                                         |
| Gross Weight                    | 7.6Kg, 16.8 lbs                                                                                                                                                                                                                                                                                               |
| <b>Accessories</b>              | Rack Mounting Kit included. 4x 3.5mm 3 way, 2x 3.5mm 5 way, 1x 5.08mm 6 way Euro Plugs included<br>Optional MZ-C1, MZ-C2 wall controllers                                                                                                                                                                     |
| EAN13                           | 5060109458244                                                                                                                                                                                                                                                                                                 |





BLOCK DIAGRAM



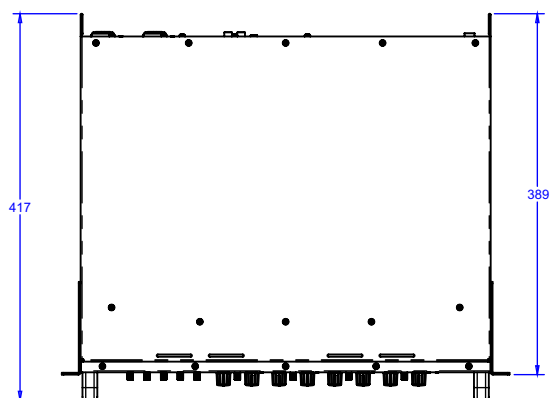
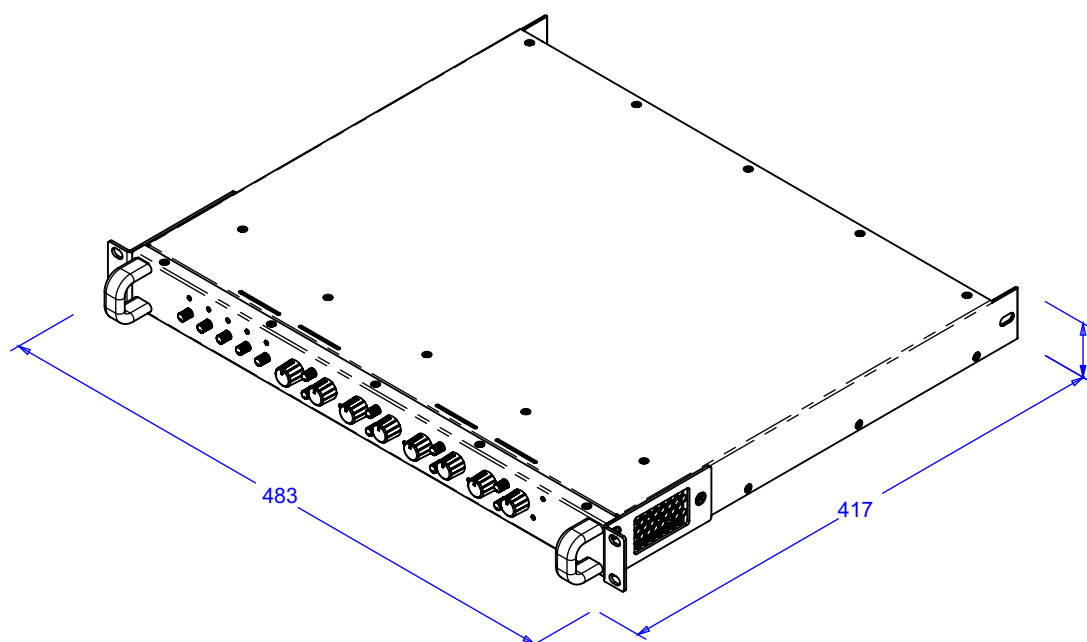


AUDIO ZONE AMPLIFIER

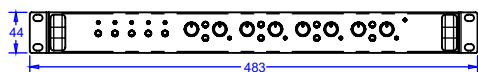
# MZ-SERIES

INSTALLATION

## DIMENSIONS



TOP



FRONT



RIGHT



REAR

