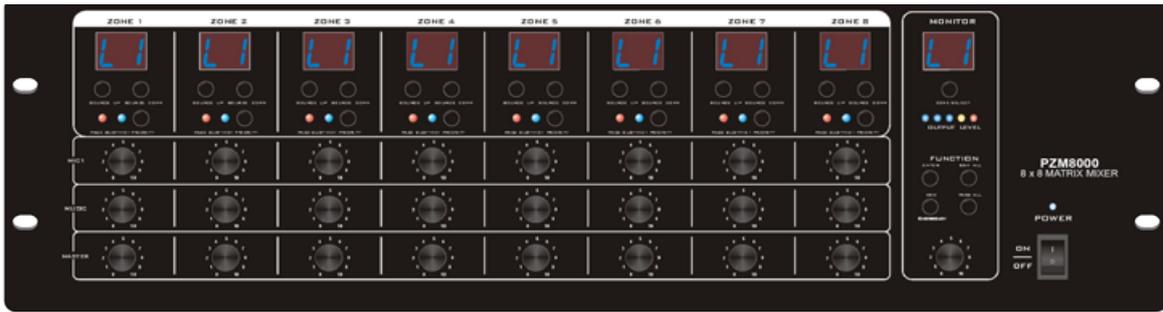


# PZM8000 - Signal Matrix 8x8

## Zone matrix signal distribution



### PZM8000 - 8x8 Signal matrix

There is virtually nothing you cannot do with the PZM8000!

Featuring 8 input and 8 output, only your imagination sets the limit!

All input channels have gain, bas, treble and zone panel input. All inputs can be addressed to all, some, or one output without limitations. All features in the PZM8000 is set using "hardware", there is no computer software, every function has a button, switch or potentiometer. Basically any sound source, line, mic, external wall panel can be routed and addressed to any output.

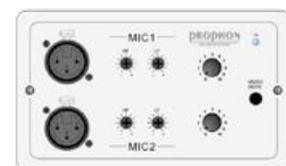
The front panel is designed to be easy to use, even though the functions and features in the back is advanced. Input 1-4 consists of unbalanced stereo RCA connectors, Input 5-8 features balanced phoenix connectors with select switch for signal/mic/phantom. There are also several different models of wall panels for local source select, volume, external local zone input, the wall panels are connected with a standard CAT5E cable and RJ485 connector.

Each input also features a balanced signal local input, for connecting external local sources in each zone. The monitor section is an easy way to let the user know what source is playing on each output. Furthermore, several units can be cascaded up to 8 in and 24 out in master/slave mode with 8 in 32 out. There are two priority microphone input, where each microphone is a gooseneck tabletop controlsystem, able to address all, one or several zones. On the front panel the user can easily patch, address, select and control which source routes to each output zone, with individual and separate unique gain.

Each zone output is accessible on the front panel in a very logic and basic setup, where master volume, music and mic can be separately adjusted. and where source 1-8 can be selected. There is 8 x fire alarm contact closures, EMC input, EVAC in, and a 24V DC in for safety measures.

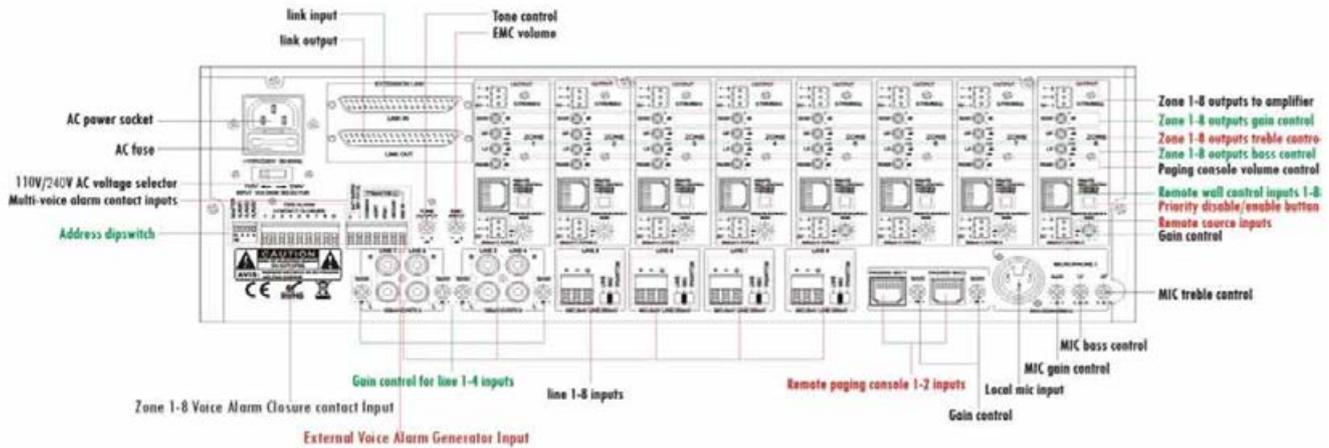
### Specifications

- 8 x 8 Signal matrix pre-amplifier mixer
- Input 1-4, stereo unbalanced RCA
- Input 5-8, balanced phoenix connectors with line/mick/phantom switch
- Separate gain on all input channels
- Priority XLR mick in with gain, LF, HF
- 2 x paging mick in via RJ485, for zone-paging and announcements
- EMC in with adjustable override priority
- 8 x fire alarm input
- Expandable up to 4 units (8 in x 32 out)
- Each output zone can feature an external zone-wall panel for local control
- Each panel in the zone out can select source, and adjust volume of zone
- 3 panels available, with local mick and line input and local volume.
- Each output channel features balanced phoenix connector, gain, hf, lf, page-gain, RJ485 remote wall input, balanced remote signal input, remote input gain.
- On the frontpanel, each zone out features source select 1-8, priority, mick volume, music volume and master volume



# PZM8000 - Signal Matrix 8x8

## Zone matrix signal distribution



### Specifications

Model	PZM8000
Line 1-4 Input	195mV -2V/10K Ohm
Line 5-7 Input	MIC: 5mV/600 , Line: 350mV3/10K , Phantom Power: +48V
Microphone 1	5mV-280mV/600 Ohm
Remote Paging Station	300mV-1.1V/10K Ohm
Remote Control Panel	300mV-1.1V/10K Ohm
Tone Control	100Hz +/- 10dB, 10KHz +/- 10dB
Outputs	0.775V/600 Ohm
Frequency Response	MIC: 80Hz~18KHz(+1/-3dB), line: 20Hz~20KHz (+1/-3dB)
EMC Input	775mV/10K Ohm
Microphone S/N Ratio	>65dB
Line S/N Ratio	>85dB
Degree Of Separation	>40dB
Crosstalk	>65dB
THD	<0.07%
Indicator	Power, Mic1, paging busy & monitor output
Priority	Mic1, voice alarm, local mic paging, remote zone paging, line 1-8
Communication Speed	4800bps
Communication Port	Rj45
Communication Protocol	RS485
Power Consumption	20W
Power Supply	~110V/60Hz and ~ 240V/50Hz & DC 24V
Dimensions	W484 x D304 x H132mm
Weight	6 Kg.

# PROPHON

---

## COMMERCIAL AUDIO

**Prophon Audio & Teknik AB**

Linjalvägen 10C, 187 66 TÄBY, Stockholm, Sweden

Tel: 08-92 86 00 | Mail: [info@prophon.se](mailto:info@prophon.se)

B2B webshop: [www.prophon.se](http://www.prophon.se) | website: [www.prophon.com](http://www.prophon.com)

*The prophon logo and the prophon brand is a registered trademark*