

# PMX 12



## Compact multi-profile loudspeaker system

A flexible system suitable for  
Main or Monitor applications



### Applications:

- Compact PA
- FOH or Monitors
- Concert Sound infill
- Auditorium Installs
- Houses of Worship
- Club systems
- Cinemarettas

The new PMX 12 from ARX is a flexible, multi profile loudspeaker system suitable for Main or Monitor applications. It raises the concept of processor controlled loudspeaker systems to a new level.

The PMX 12 is an innovative design that installs easily and neatly into any venue, yet delivers performance you'd expect from much larger systems.

It provides breathtaking Highs, clear, articulate Mids and powerful Lows from a rigid all plywood multi-profile cabinet.

The PMX 12 is a 2 way loudspeaker system, featuring an ARX Pro Series 12" (305mm) bass driver, plus 1" (25mm) ARX extended range, large diaphragm compression driver coupled to a 90H x 40V horn flare.

Frequency management is provided by an ul-

tra efficient 24dB per octave internal cross-over mounted on a fibreglass circuit board, using audiophile quality hand crafted components.

The PMX 12 is equally at home when used as a stage monitor. Its low profile design maximises sightlines, and delivers superb performance in the critical vocal range, with all the clarity required to cut through the on-stage sound.

Its rugged all plywood, multi profile design has the flexibility to handle the most demanding audio requirements, from vocal monitors to sidefill to Front of House.

To sum up, the PMX 12 is suitable for any professional loudspeaker application requiring superior audio quality in a compact, powerful and flexible package.

# PMX 12

## Specifications

### Components:

- 1 x ARX Pro series 12" (305mm) Bass driver,
- 1 x ARX Ferrofluid cooled 1" (25mm) compression driver on a 90H x 40V horn flare

### Frequency Management

Internal 24dB per octave crossover on fibreglass PCB

### Crossover Frequency

1.8 KHz

### Control Unit

PRO-Sys dual channel plus Sub loudspeaker processor or PowerDrive Integrated system amplifier

### Frequency Response

60 Hz - 18 KHz  $\pm 5$  dB

### Impedance

8 ohms nominal

### Long/Short Term Power

300W / 450W

### Minimum Amplifier Power

300W RMS @ 8 ohms

### Dispersion

90° H x 40° V (Mid/High)

### Sensitivity

99dB, 1 watt, 1 metre

### Maximum SPL

124+ dB

### Weight

20 Kg (44lbs)

### Dimensions

320mmW x 315mmD x 560mmH

### Connectors

2 x Neutrik Speakon, on a recessed steel plate

### Cabinet

All plywood construction multi profile main/monitor cabinet, catalyzed paint finish, full steel mesh grille, loudspeaker stand insert, handle.

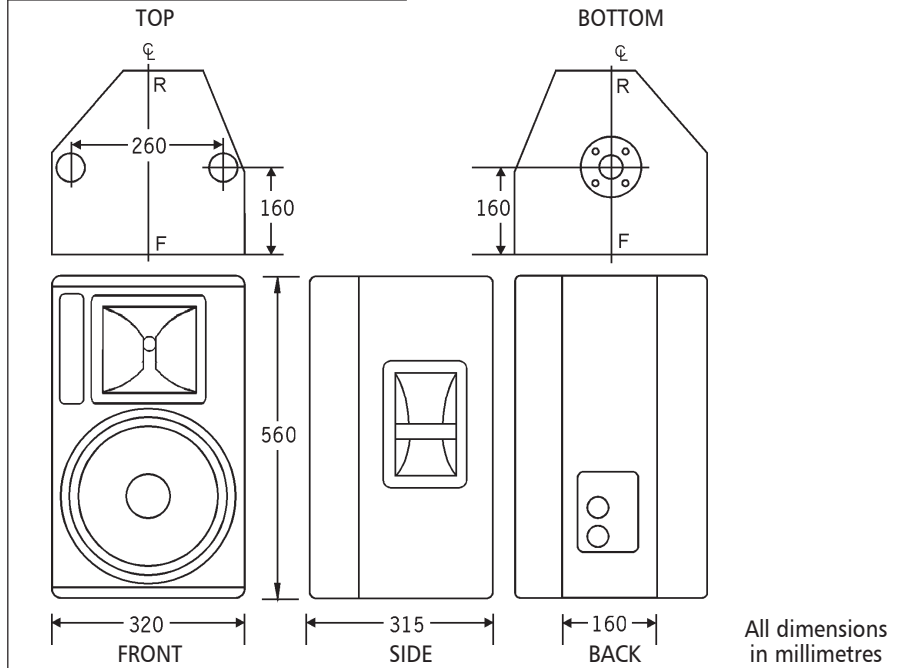
### Accessories

Optional flying points and hardware, standard folding tripod loudspeaker stands



Our policy is one of continuous improvement, and therefore designs may change without notice. However, unless otherwise stated, specifications will always equal or exceed those previously given.

## PMX ENCLOSURE LAYOUT



Each PMX 12 cabinet is equipped with full length heavy duty steel mesh grille, recessed handle, pole stand insert and Speakon connectors on a recessed steel plate.

Rigging options include recessed flying points designed to receive a single stud

spring loaded connector for systems that will be transported, or 10mm captive nuts to install eye bolts for systems used in fixed installations.

Options will be pre-installed when ordered.

ARX Systems are based in Melbourne, Australia, where all ARX Products are assembled and tested in our 'state-of-the-art' manufacturing facility

For over 20 years ARX has designed, manufactured and supported Audio Products for Professional users and applications worldwide

## ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The loudspeaker system shall be a two way design, comprising a 305mm (12") low frequency driver and a Ferrofluid cooled 25mm (1") throat compression driver coupled to a high frequency horn flare. The low and high frequencies shall be integrated via an internal 24 dB per octave crossover mounted to a fibreglass pcb. Performance of the loudspeaker system shall be achieved using a dedicated processor.

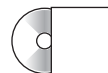
Rated impedance shall be 8 ohms. Sensitivity measured on axis @1 metre shall be 99 dB. Frequency response measured @ 1 metre on axis shall be 60 Hz-18 KHz  $\pm 5$ dB. Maximum continuous SPL @1 metre on axis shall be 124dB. Dispersion shall be 90° H x 40° V.

Connectors on the rear panel shall be Neutrik NC4 loudspeaker connectors, mounted to a steel plate. The enclosure shall be

constructed of premium grade multi laminate plywood with the front baffle able to sit at angles of 20°, 40° and 90° relative to horizontal. There shall be a stand insert in the base of the cabinet to take a standard pole mount. The complete front of the loudspeaker cabinet shall be protected by a steel mesh grille.

Dimensions shall be 560mmH x 320mmW x 315mmD (22"H x 13" W x 12.5" D) and it shall weigh 20 kgs (44lbs). The loudspeaker system shall be the ARX PMX 12

Specifications available on CD ROM. Latest updates available at: [www.arx.com.au](http://www.arx.com.au)



ARX Systems Pty Ltd; PO Box 15, Moorabbin, Victoria 3189, Australia  
Phone: 03 9555 7859 Fax: 03 9555 6747 International Fax +61 3 9555 6747  
Email: [info@arx.com.au](mailto:info@arx.com.au) Internet: [www.arx.com.au](http://www.arx.com.au)