

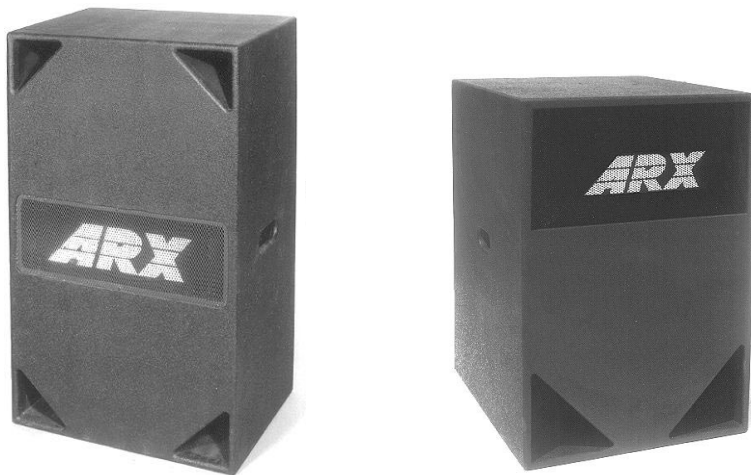
POWERMAX SERIES

PowerMax SUB Ultra SUB

PROCESSOR CONTROLLED
LOW FREQUENCY
SPEAKER SYSTEMS



<http://www.arx.com.au>



The PowerMAX series of innovative speaker systems from ARX raises the concept of processor controlled speaker systems to a new level.

The PowerMAX range features ultra efficient designs that install easily and neatly into any venue, yet deliver performance you'd expect from much larger speaker systems.

Both the PowerMAX SUB and the Ultra SUB are unique Sub Bass cabinets that supply extra low end response in larger venues or when you need extended Low Frequency output.

The PowerMAX SUB features twin ARX 12" (300mm) long throw Pro Sub Series speakers in an innovative bi-loaded bandpass design.

It is a compact, super efficient cabinet that delivers large amounts of low frequency output for any sub bass application.

Despite its compact size, the PowerMAX SUB easily outperforms ordinary bass boxes many times its size.

For those times when 'only an 18 will do' along comes the ARX Ultra SUB!

The Ultra SUB features a single ARX 18" (450mm) Pro Sub Bass driver. Its innovative dual chamber/single speaker bandpass cabinet design, with a frequency response as low as 30Hz, delivers ground shaking bass for any application.

The impedance of the Ultra SUB is 8 ohms, so that two Ultra SUBS can easily be linked up to one output of any professional power amplifier of the correct minimum power rating, for applications that require maximum sub bass output e.g. outdoors, dance clubs.

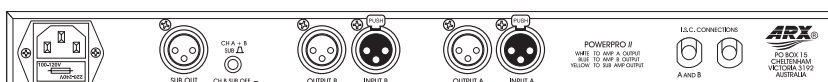
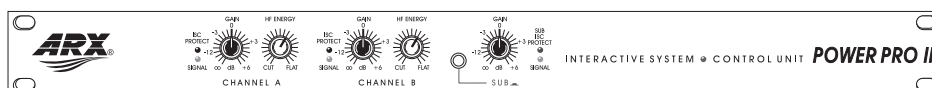
Both the PowerMAX SUB and the Ultra SUB have been designed to be controlled by the PowerPRO II speaker processor, a unique multi channel control unit that supplies EQ trim, phase correction, sub crossover, and fail safe speaker protection to keep your PowerMAX system happening, day after day, night after night.

Applications:

- Compact PA
Low Frequency
- Auditorium Installations
- Houses of Worship
- Club systems
- Cinemarettos

THE POWERPRO II

The second generation dual channel ARX PowerPRO II ISC speaker processor is the heart of the PowerMAX system. ISC™ (Interactive System Control) is our innovative speaker protection circuitry. Extra leads run from the amplifier outputs back into the PowerPRO II, so it can constantly monitor the amount of power the amplifier is delivering to the speakers. Since the PowerPRO II is factory calibrated for the PowerMAX series, it knows the speaker's exact Safe Operating Area (SOA). If it senses that the amplifier power is about to exceed the SOA, it automatically triggers the system protection circuits to hold the level momentarily at the loudest safe setting until the power peak has passed. The PowerPRO II is placed last in the system chain before the power amps, usually in the amp rack. Once it has been connected up correctly, it needs no readjusting. Just set it and forget it - the PowerPRO II looks after the rest!



PowerPRO II Speaker Processor

PowerMAX SUB

Specifications

Components:

2 x ARX ProSub series 12" (300mm) Bass drivers in an optimally coupled bi-loaded bandpass enclosure

Frequency Response

30 Hz - 100Hz ± 5 dB

Impedance

4 ohms nominal

Minimum Amplifier Power

400W RMS @ 4 ohms

Sensitivity

103dB, 1 watt, 1 metre

Maximum SPL

127 dB

Weight

36 Kg (80lbs)

Connectors

2 x male XLR, on recessed steel plate
Speakons optional

Frequency Management

The PowerMAX SUB is designed to be run from an amplifier connected to the Sub output on the PowerPRO II

Cabinet

All plywood construction, catalyzed paint, steel mesh grille, handles.

Ultra SUB

Specifications

Components:

1 x ARX ProSub 18" (450mm) Bass driver in a dual chamber enclosure

Frequency Response

30 Hz - 100Hz ± 5 dB

Impedance

8 ohms nominal

Minimum Amplifier Power

400W RMS @ 8 ohms

Sensitivity

103dB, 1 watt, 1 metre

Maximum SPL

127 dB

Weight

36 Kg (80lbs)

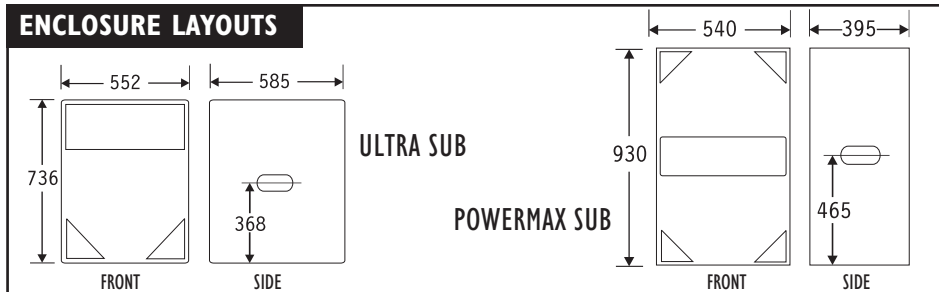
Connectors

2 x male XLR, on recessed steel plate
Speakons optional

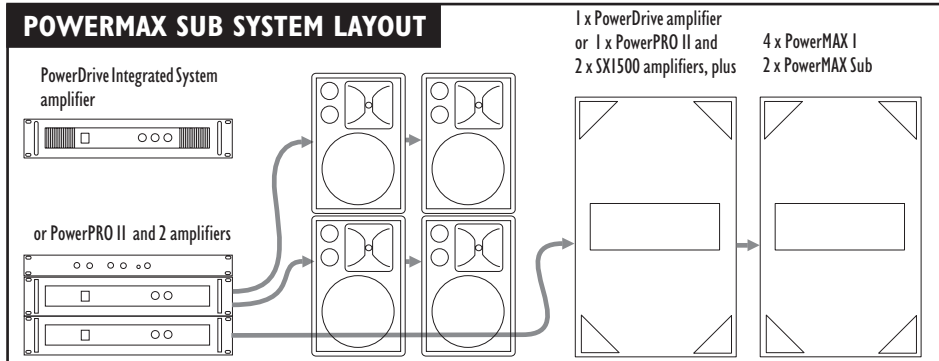
Frequency Management

As PowerMAX SUB

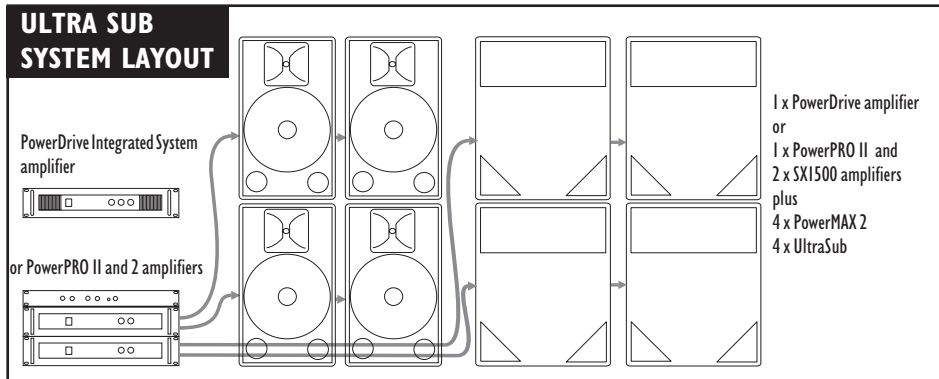
ENCLOSURE LAYOUTS



POWERMAX SUB SYSTEM LAYOUT



ULTRA SUB SYSTEM LAYOUT



ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

PowerMAX SUB

The Low frequency speaker system shall be a bandpass low frequency design, comprising 2 x 300mm (12") low frequency drivers mounted into individual chambers and firing into a common centre chamber.

Performance of the speaker system shall be achieved using the Sub output of a dedicated processor.

Rated impedance of each driver shall be 8 ohms. Impedance of the cabinet shall be 4 ohms. Sensitivity measured on axis @ 1 metre shall be 103 dB. Frequency response measured @ 1 metre on axis shall be 30 Hz-100 Hz ± 5 dB using the processor. Maximum SPL @ 1 metre on axis shall be 127dB.

The enclosure shall be constructed of premium

grade multi laminate plywood and be rectangular in shape. Dimensions shall be 930mmH x 540mmW x 395mmD (37"H x 21 1/4" W x 16" D) and it shall weigh 36 kgs (80lbs).

The Low frequency speaker system shall be the ARX PowerMAX SUB

Ultra SUB

The Low frequency speaker system shall be a bandpass low frequency design, comprising 1 x 450mm (18") low frequency driver mounted into a reflex ported chamber, and firing into an opposing ported chamber.

Performance of the speaker system shall be achieved using the Sub output of a dedicated processor. Rated impedance of the cabinet shall be 8 ohms. Sensitivity measured on axis @ 1 metre shall be

103 dB. Frequency response measured @ 1 metre on axis shall be 30 Hz-100 Hz ± 5 dB using the processor. Maximum SPL @ 1 metre on axis shall be 127dB.

The enclosure shall be constructed of premium grade multi laminate plywood and be rectangular in shape. Dimensions shall be 736mmH x 552mmW x 585mmD (30 1/2"H x 22" W x 23" D) and it shall weigh 36 kgs (80lbs).

The Low frequency speaker system shall be the ARX Ultra SUB

Specifications available on disk



www.arx.com.au

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.



Your ARX dealer is:

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