ADP-15M

ADP SERIES DATASHEET

High output, self powered (class D switch mode power supply) with PFC, two-way stage monitor. 1 x 15" coaxial neodymium transducer. DSP (FIR technology) controlled with 1500W amplification, 133 dB SPL.

Key features

- Class D powered (bi-amplified)
- Integrated Digital Processing
- Internal temperature control
- Electronic protection
- FIR linear phase filtering
- Online monitoring available

Applications

- Reinforcement
- Stage monitor
- Portable installations
- Compact voice reinforcement

General description & specifications

The ADP-15M Stage monitor is part of the ADP self powered, DSP integrated Series. It has been designed to offer the utmost sound reinforcement reliability, incorporating the latest acoustical and electronical technology and delivering incredible, dynamic sound.

The ADP-15M is an extremely high power, two-way stage monitor providing excepcional performance. For the low-mid frequencies it uses a 15" coaxial (75mm voice coil) neodymium transducer with nomex cone and suspension. The high frequencies are looked after by a compression driver with a 1.4" titanium diaphragm delivering 90º conic dispersion.

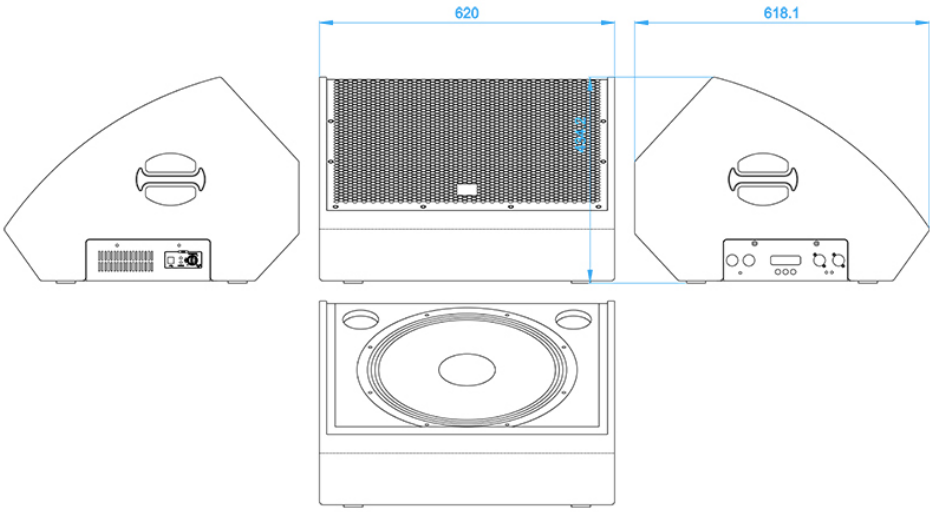
The ADP-15M is powered with a total of 1500W of class D amplification, 750W for the low/ mid frequencies and 750W for the high frequencies. Each cabinet has a DSP integrated for sy stem protection and optimization. This DSP applies linear phase (FIR) and classical crossovers. Other features include temperature sensor, fan speed control, Ethernet options and many more.

Weight and performance are two important considerations when choosing a monitor. The ADP-15M has an unbeatable power to size ratio, there is no need for external amplification racks, is very light weight and as such is the ideal solution for portable or fixed sound reinforcement enabling quick and easy set-ups.

Technical Data

Components	
• LF/MF	1 x 15" Coaxial Custom Neod.+Nomex Cone
• HF	1.4" Neodimium driver + Titanium diaphragm
Frequency range	60 Hz – 20 KHz (-10dB)
Frequency response	70 Hz – 18 KHz (± 3dB)
Max SPL	130 dB / 133 dB peak
Crossover	1500 Hz
Coverage angle	90º H x 90º V
Power	1500 W Class D LF amplifier: 1 x 750 W HF amplifier: 1 x 750 W
Processing	56 bit Lynx DSPB-22 with FIR filters
Cabinet adjustment	Side panel LCD screen
Control connections	XLR / Ethernet (OCS) optional
AC Power	230V / 115V selectable. 50/60 Hz 5A
AC connections	16A Neutrik powerCon TRUE1 with link output
Finish	Polyurea coating, black colour
Material	15 mm premium birch plywood
Dimensions	434 x 620 x 618 mm (H x W x D)
Weight	26 kg (57lbs)

Dimensional Drawing



Accessories

	FC-15MX2	Flight case to transport two ADP-15M

Amplification & DSP

Bi-amplified Class D with switching power supply. Includes one 750W power module for the 15" transducer and one 750W power module for the HF driver.

The amplification far exceeds the transducer need thus resulting in high output, high damping factor and extremely low levels of distortion.