

High output, self powered (class D switch mode power supply) with PFC, two-way stage monitor. Two 12" transducers with aluminium voice coil. DSP (FIR technology) controlled with 1500W amplification, 132dB 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
- Voice reinforcement

General description & specifications

The ADP-12M 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-12M is an extremely high power, high sensitivity two-way stage monitor providing exceptional performance. It uses a 12" coaxial (3" voice coil) woofer with demodulating rings for lower distortion and smoothed response and a 3" VC compression driver with composite titanium/mylar diaphragm and a 60° x 40° dispersion horn.

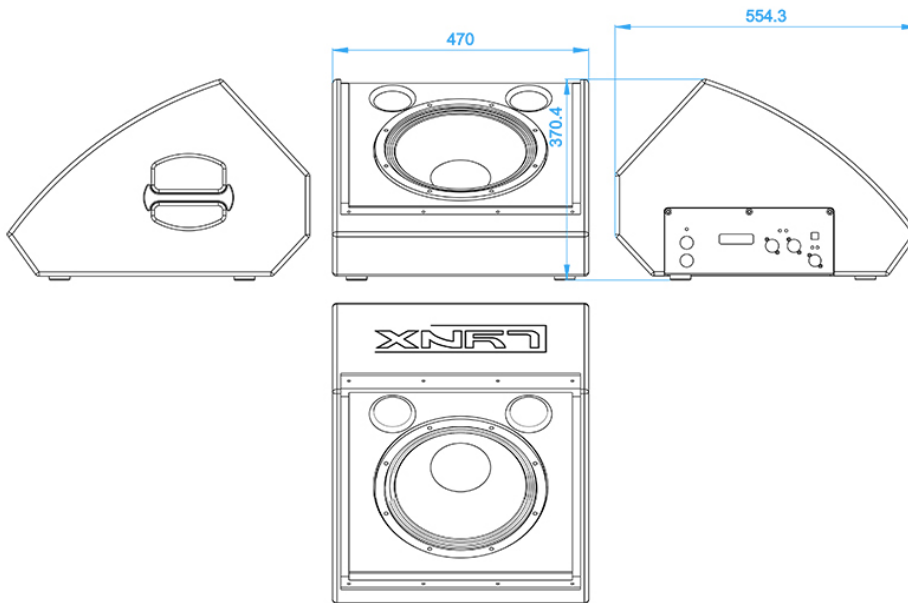
The ADP-12M is powered with a total of 1500W of class D amplification, 750W for the low/mid frequencies and 750W for the high frequencies. Each cabinet has a DSP integrated for system protection and optimization. This DSP applies linear phase (FIR) and classical crossovers. Other features include temperature sensor, fan speed control, Ethernet options and many more.

Weight and performance are two important considerations when choosing a monitor. The ADP-12M 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

| | |
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| Components | |
| • LF/MF | 1 x 12" coaxial neodymium |
| • HF | 3" VC HF compression driver |
| Frequency range | 60 Hz – 20 KHz (-10dB) |
| Frequency response | 75 Hz – 18 KHz (± 3dB) |
| Max SPL | 129 dB / 132 dB peak |
| Coverage angle | 40° H x 60° 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 |
| 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 | 370 x 470 x 554 mm (H x W x D) |
| Weight | 20 kg (44 lbs) |

Dimensional Drawing



Accessories



FC-12MX2

Flight case to transport two ADP-12M

Amplification & DSP

Bi-amplified Class D with switching power supply. Includes one 750W power module for the 12" 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.