

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 2250W amplification, 139dB 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-212M Stage monitor is part of the ADP Self powered, DSP (with FIR Filters) integrated Series. It has been designed to offer the utmost sound reinforcement reliability, incorporating the latest acoustical and electronic technology and delivering incredible, dynamic sound.

Two-way stage monitor providing exceptional performance. For the low-mid frequencies it uses two 12" (76mm voice coil) transducers. The high frequencies are looked after by a neodymium compression driver with a 1.4" titanium diaphragm delivering 55° conic dispersion.

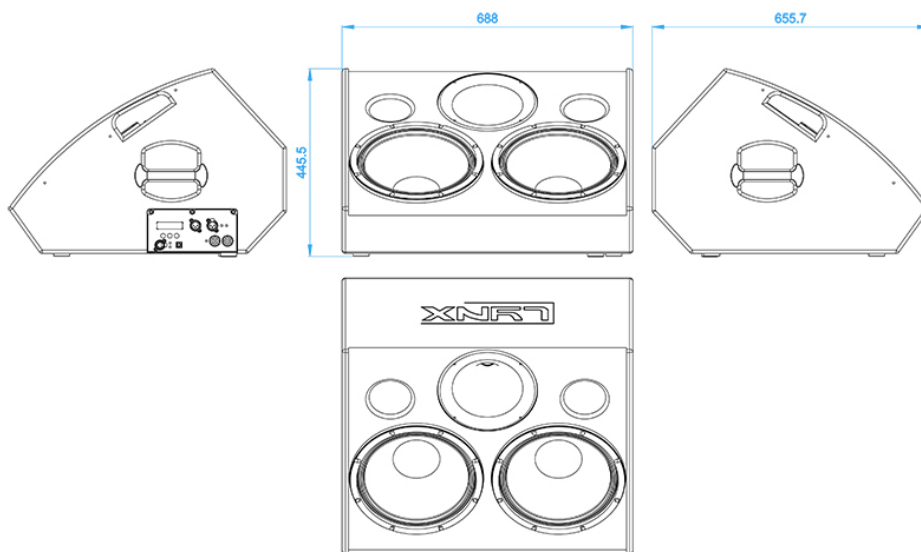
The ADP-12M is powered with a total of 2250W of class D amplification with PFC (Power Factor Correction), 1500W for the low/mid frequencies and 750W for the high frequencies. Each cabinet has a DSP integrated for system protection and optimization. Other features include temperature sensor, fan speed control, Ethernet options and many more.

Weight and performance are two important considerations when choosing a monitor. The ADP-212M 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	2 x 12" transducers with aluminium voice coil
• HF	1.4" titanium diaphragm driver
Frequency range	55 Hz – 20 KHz (-10dB)
Frequency response	60 Hz – 18 KHz (± 3dB)
Max SPL	136 dB / 139 dB peak
Coverage angle	55° H x 55° V
Power	2250 W Class D LF amplifier: 1 x 1500 W HF amplifier: 1 x 750 W
Processing	56 bit Lynx DSPB-22 with FIR filters
Cabinet adjustment	Back panel LCD
Control connections	XLR / Ethernet (OCS) optional, USB (DSP programming)
AC Power	85V / 270V selectable. 50/60 Hz 3A
AC connections	16A Neutrik powerCon TRUE1 with link output
Finish	Polyurea coating, black colour
Material	15 mm premium birch plywood
Dimensions	445 x 688 x 655 mm (H x W x D)
Weight	42 kg (92 lbs)

Dimensional Drawing



Accessories



FC-212M

Flight case to transport one stage monitor ADP-212M

Amplification & DSP

Bi-amplified Class D with switching power supply and PFC (Power Factor Correction). With PFC the power supply regulates itself when AC mains change, so the amp power output will not change with mains swinging. This system is also very environmentally friendly with a reduction of approximately 40% of current draw.

The amplification far exceeds the transducers needs thus resulting in high output, high damping factor and extremely low levels of

distortion. It includes one 1500W power module for the LF/MF and a 750W for the HF.

The module is also equipped with extensive protection circuitry including power limiters, thermal shutdown, short circuit & overload and clip limiter.