

MA12

Presentation:

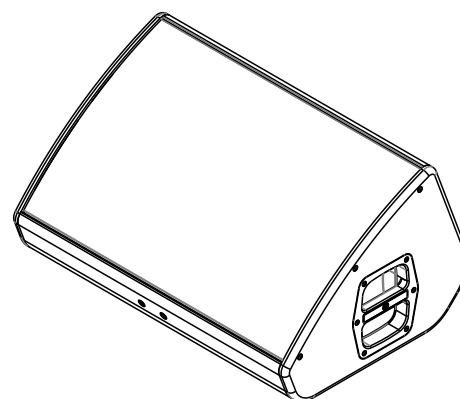
The The GROOVE series stage monitors are not just powerful, accurate, compact but beautifully designed. The series has been engineered to deliver a complete sound reinforcement solution to fulfil the highest demands of audio professionals for both permanent installation and rental production markets.

The GROOVE MA12 stage monitor incorporates a 12" (2.5" VC) LF loudspeaker that combines excellent linearity with good sensitivity and power handling characteristics together with a 1" (1.73in) compression driver coupled to a CD rotatable (90°x60° and 60°x90°) horn and an internal passive crossover resulting in a surprising sonic performance inside a compact package.

As self-powered system, the MA12 incorporates a 2-channel Class D amplifier and a DSP for real time operation according to different environments and music styles. With 4 user-defined presets than can be selected on the rear panel, the class D amplifier is prepared for 85-264Vac global mains voltage (SMPS with PFC) and features various electronic protections to guarantee the use of the speaker system in perfect sound and safe operation.

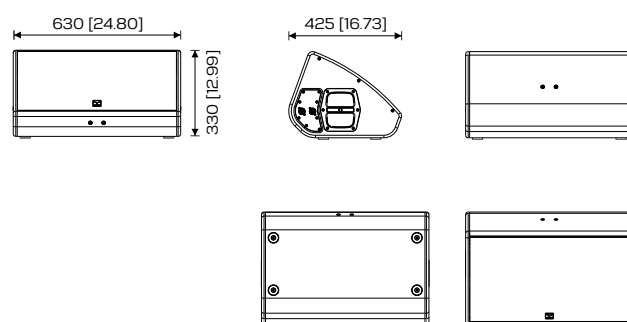
To make it flexible, there is M8 and M10 inserts for wall and truss mounting.

As a high performance stage monitor, the GROOVE series is suited to sound reinforcement applications such as front of house, floor monitor, sidefill monitoring small and medium sized stages as well as distributed systems.



Features:

- Multipurpose 2-way stage monitor
- Bass reflex wedged enclosure
- 12" (2.5in VC) MF + 1" (1.73in VC) HF EU transducers
- User-rotatable CD horn 90°x60° for ideal dispersion
- 2-channel Class D amplifier with integrated DSP
- Universal 85-264Vac mains, SMPS with PFC
- Prepared for wall and Truss mounting
- Elegant looking professional enclosure
- Rugged and durable 15mm birch plywood, polyurea coating



Dimensions in mm [in]

Technical specifications:

Acoustical

| | |
|-------------------------|---|
| Type | 2-way active stage monitor |
| Enclosure design | Wedged cabinet - bass reflex |
| Power rating (RMS/Peak) | 360W / 900W |
| Frequency range | 65 - 19kHz (10dB) |
| Nominal impedance | N/A |
| Transducer type | 12" MF (2.5in VC) EU transducer 1" HF driver (1.73in VC) EU transducer |
| Dispersion | CD horn, 90°x60° and 60°x90° user-rotatable |
| Crossover frequency | DSP controlled with selectable presets |
| SPL (1W/1kHz) | 127dB @ 1m |

Mechanical

| | |
|------------|--|
| Enclosure | 15mm birch plywood, rugged polyurea coating |
| Grille | Custom perforated metal grilles w/ acoustic foam |
| Color | Black or white textured |
| Hardware | 4 rubber feet Side handles, 4x M8 inserts + 2x M10 inserts Prepared to fit a "U" bracket |
| Dimensions | 630x425x330mm 24.80x16.73x12.99in |
| Weight | 26Kg 27.32lb |

Amplifier Module

| | |
|---------------------|--|
| Type | 2-channel Class D |
| Output Power | 800W + 400W (continuous) |
| Internal Processing | Fully programmable DSP 48KHz sampling frequency 24 bit AD/DA converter |
| Audio input/output | XLR/Jack combo connector XLR/M 3p |
| Indicators | Power, signal/preset, status, clip |
| Controls | Master level control, 4 selectable presets |
| AC Mains | SMPS with PFC, 85-264Vac universal mains |
| AC Mains connector | Neutrik® powerCON, Power-in/Power-out |
| Protections | Over current, short circuit, thermal, DC and HF |

