



**R12** is a high impact, high SPL multipurpose box.

In a very compact and light weight enclosure of only 21kg it packs incredible 132db of peak SPL.

Fully equipped with premium BMS OEM components it can handle 500W AES, 1000W program power with 2000W of peak power handling.

Very robust 3 inch voice coil 12 inch driver handling the low frequency features a triple demodulating ring neodymium magnet structure, providing unparalleled low level of harmonic distortion.

HF is covered by a 1.75 inch voice coil 1 inch throat HF driver. The polyester annular ring cone makes it able to handle the lower frequency spectrum with much less stress then the standard dome shaped metal diaphragm but in the same time effortlessly provide the very high frequency sparkle making the HF very smooth sounding.

Its operating frequency range covers the range between 65Hz and 20Khz with +/- 2db variation from 200Hz to 18000Hz using the factory specified processing.

It comes with 90×40 or 60×40 degrees of dispersion.

## PRODUCT DATA:

<b>Usable bandwidth (-3db):</b>	65Hz-20KHz (G12 DSP settings)
<b>Nominal directivity (-6db):</b>	optimal 90×40 or 60×40 degrees
<b>Maximum system SPL:</b>	132db
<b>Power handling capacity:</b>	500W AES, 1000W programe, 2000W peak
<b>Recommended amplifier power:</b>	*500 – 1000W at 8 ohms
<b>Components:</b>	LF: Custom BMS 12 inch woofer with 3 inch voice coil and triple demodulating ring HF: Custom BMS 1 inch HF driver with 1.7 inch voice coil and polyester annular diaphragm
<b>Nominal impedance:</b>	Passive 8ohm
<b>Rigging:</b>	8 M10 flying points
<b>Physical:</b>	WxHxD 626x350x355mm, Weight: 21kg
<b>Material:</b>	Baltic birch plywood. Connectors: 2x Neutrik NI4 Speakon
<b>Finish:</b>	Black textured water based coating

\* Program power is calculated as 3db higher then the AES power. Note that most of the modern electronic music does not allow high dynamics. For compressed music material we do not recommend using more then 800W of clean not clipped signal using 60Hz 24db BW high pass filter.

### Trade Descriptions Act:

Due to MM-acoustics policy of continuing improvement, we reserve the right to alter these specifications without prior notice. MM-acoustics is committed to refining state of the art sound reinforcement, combining in-depth product and field applications research with advanced manufacturing techniques. Every MM-acoustics product is built to the highest manufacturing standards and rigorously tested to ensure that it meets the performance criteria specified in the design.