

# Mastiff-KM312

3 x 12" self-powered, high power stage monitor



DATASHEET

Concert Series Mastiff-KM312

## DESCRIPTION

Zealous fans and demanding performers are important factors that must be taken into consideration for live performance applications.

Which is why K-array designed formidable monitors to meet the needs of live sound. The powerful, low profile Mastiff line is the guard dog musicians need on stage. The larger models of the Mastiff line, the KM312 and the KM312P, are extremely fierce with unquestionable clarity.

Featuring three 12" woofers and producing a maximum SPL output at 136 dB (peak), these hard-hitting speakers are ideal for touring, concerts, music festivals and live events in large venues and are perfect for drum monitoring. The Mastiff KM312 is the active model while the Mastiff KM312P is passive.

The integrated DSP features multiple analog and digital inputs and with the K-dante accessory, the system can be used in Dante

network. The monitors produce ultra-low distortion giving vocals and instruments incredible clarity and precise sound. Both models feature an asymmetrical 100° by 30° horn granting performers the possibility to select a wide or narrow sound emission. And with an incredibly strong stainless steel grill and sturdy birch wood chassis, these monitors are built to withstand any abuse that may incur from the musical acts onstage.

## COLORS & PREMIUM FINISHES AVAILABLE



Black

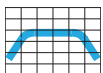
## SUGGESTED ACCESSORIES

K-DANTE

## FEATURES



Selectable Coverage



Full Range



On-Board Touch Screen



Compatible

## FREQUENT APPLICATIONS

TOURING, FESTIVALS, CONCERTS & LIVE

NIGHTCLUBS

LARGE CONGREGATIONS

THEATERS & CONCERT HALLS

BROADCAST & STUDIOS

THEME PARKS

FITNESS & WELLNESS

EVENT PRODUCTIONS

# TECHNICAL SPECIFICATIONS

ACOUSTICS		AUDIO INPUT	
Power handling	2000W +800W + 200W	Analog Connectors	2 male + 2 female 3-pin balanced XLR
Max Power	4000 W <sup>(1)</sup>	Digital Connectors	1 male + 1 female 3-pin XLR
Impedance	8 + 8 Ohm	REMOTE CONTROL INPUT	
Frequency range (-10 dB)	62 Hz – 19 kHz <sup>(2)</sup>	Connectors	1 male + 1 female XLR parallel / 1 USB B Jack serial converter
SPL 1W/1mt	LF:100dB HF:105dB <sup>(3)</sup>	POWER INPUT	
Maximum SPL	132dB (cont.) - 138dB (peak) <sup>(4)</sup>	Connectors	2 x PowerCon IN/OUT
COVERAGE		AMPLIFIERS	
Horizontal	100°-30° (depending on horn orientation)	Type	2 modules class D – DSP controlled
Vertical	30°-100° (depending on horn orientation)	Power	4 x 1000W @ 8 Ohm
CROSSOVER		Protection	Dynamic limiter, over current, over temp., short circuits
Type	DSP controlled	AC POWER	
Frequency	200Hz-1650Hz	Nominal power requirements	100 – 240 Vac ±10% 50-60Hz
TRANSDUCERS		Operating range	85 – 265 Vac (auto-range)
Low-mid frequency	2 x 12" Neodymium magnet woofer with 2.5" voice coil	PHYSICAL OVERVIEW	
Mid frequency	12" Neodymium magnet woofer with 3" voice coil	Dimensions	82.0 x 53.0 x 33.5 (47.95" x 20.47" x 13.18") <sup>(6)</sup>
High frequency	Neodymium magnet compression driver with 2" voice coil	Weight	37.5 Kg (82.67 lb)

Notes for data

1. Maximum RMS applicable power for a musical signal. The reference signal is the one proposed by EIAJ standard
2. With dedicated preset;
3. Measured @4 mt then scaled @1 mt;
4. Measured with musical signal
5. EIAJ Test Standard, 1KHz, 1%THD
6. ( W x H x D)

New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

