

# CORE

## CURVE ARRAY & SUB ACTIVE SYSTEM



### CORE121

3 x 5" + 9 x 1" CURVE ARRAY HF/MF  
12" BASS REFLEX SUB  
4000W (peak) / 1000W (rms) POWER

### CORE151

3 x 8" + 12 x 1" CURVE ARRAY HF/MF  
15" BASS REFLEX SUB  
4400W (peak) / 1100W (rms) POWER



The new CORE system from Studiomaster uses a specially designed curved array to provide a controlled and highly effective sound diffusion.

Combining the curved array with a powerful bass reflex subwoofer giving up to 2800W of low end power, the whole system can provide 4400W peak (1100W RMS) in a compact, portable system that will give you the reach and sonic quality expected of an ultra compact array system.

To complete the system, the CORE comes with a built-in 4 channel mixer, with DSP control and Bluetooth® connectivity.

The CORE system is designed to be simple to set-up and use. The air-suspension adjustable speaker pole includes internal wiring, so just lift and place the lightweight curve array on top of the pole. Connect your power and you are good to go!

Truly an ALL-IN-ONE system. Perfect for any performance.

 **Studiomaster**  
since 1976

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## SUB BASS



Any modern portable PA system needs to produce clear highs and thumping bass. The CORE system is no exception. The tuned active sub bass is a bass reflex, phase inverted design incorporating up to an impressive 700W + 400W amplifier module, capable of delivering power to the sub and to the curve array system.

### SLEEK & COMPACT DESIGN

The wooden cabinet is made to the highest standards with durable paint finish and large easy to grip handles.

With the 12" CORE121 taking a minimal floor space of only 405mm x 470mm and the 15" CORE151 only 485mm x 585mm the system will fit on virtually any stage or in any venue.

#### CORE 121 SUB SPECIFICATION

Speaker	1x12" low frequency driver
Rated power (SUB)	700W (rms)
Amplifier power	700W (LF) + 300W (MF/HF) (rms)
Max SPL	128dB
Dimensions	405mm x 590mm x 470mm
Net weight	27kg

#### CORE 151 SUB SPECIFICATION

Speaker	1x15" low frequency driver
Rated power (SUB)	700W (rms)
Amplifier power	700W (LF) + 400W (MF/HF) (rms)
Max SPL	128dB
Dimensions	485mm x 725mm x 585mm
Net weight	37.5kg

In addition to the power amplifier and switch mode power supply, the sub bass also houses the control panel, angled so is easy to connect, set-up and operate mid-event.

### PROFESSIONAL SPEAKER SYSTEM PERFORMANCE

The curve array is connected via the specially designed top-hat sockets, which are used not only to space the curve array at the right height but also pass the audio signal through the pole to the curve array without the need for any cables.

### CURVE ARRAY FOR OPTIMAL COVERAGE



CABLE FREE CONNECTION

INTEGRATED 4CH MIXER

ACTIVE 1100W RMS POWER

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## CURVE ARRAY

Utilising a carefully designed angled cabinet housing the 3x 5" or 8" mid frequency drivers along with an angled array of 9x or 12x 1" dome tweeters provides a super wide 100° horizontal and 70° vertical pattern. Minimising energy wastage and providing an impressive audience coverage compared to a straight compact PA system.

All this is housed in a tough, compact cable free cabinet with a strong steel grille to protect the internal magic.

**CABLE FREE FOR A  
FAST & RELIABLE SET-UP**



**MULTIPLE 1" DOME TWEETERS**

**100° (h) x 70° (v) COVERAGE**

**UP TO 15 MF/HF SPEAKER  
COMPONENTS FOR ULTIMATE  
CLARITY & ACCURACY**

**5" or 8" MID FREQ DRIVERS**



### CORE 121 CURVE ARRAY SPECIFICATION

Speaker MF	3x5" Neodymium full range driver
Speaker HF	9x1" dome tweeter
Rated power	300W (rms)
Coverage	100° (h) x 70° (v)
Dimensions	185mm x 495mm x 220mm (315mm max)
Net weight	8kg

### CORE 151 CURVE ARRAY SPECIFICATION

Speaker MF	3x8" Neodymium full range driver
Speaker HF	12x1" dome tweeter
Rated power	400W (rms)
Coverage	100° (h) x 70° (v)
Dimensions	255mm x 670mm x 285mm (450mm max)
Net weight	11.5kg

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# CONTROL

4 channel mixing with 2 mic/line, a hi-z instrument and a stereo line / Bluetooth® input to give you the ability to connect up your equipment without a separate desk. A dedicated sub level to achieve the perfect mix and a choice of link outputs depending on your requirements.

## MULTIPLE CHANNELS WITH DSP & BLUETOOTH®

The processing available is all through a simple DSP interface with a backlit LCD screen and a single control. Choose a preset DJ, MUSIC or VOCAL and have access to three band EQ, output delay, master volume and useful metering of all channels.

EASY TO USE DSP INTERFACE



INDEPENDENT SUB LEVEL

MIC / LINE / INSTRUMENT INPUTS

## POWER, VERSATILITY AND PROJECTION ALL IN ONE

UNIQUE CABLE FREE TOP HAT SPEAKER CONNECTION



### CORE 121/151 MIXER SPECIFICATION

DSP	24bit module with mode, EQ, limiter, delay and mix level control
Inputs	2x mic (XLR) / line (6.35mm jack) balanced 1x instrument Hi-Z (6.35mm jack)
Outputs	1x stereo line (RCA phono) / Bluetooth® 2x balanced line / link output (XLR) 1x balanced line / link MIX output (XLR)

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