



# PRODUCT CATALOG





The brand Studiomaster based in England was founded in 1976, with a history of 47 years. At the beginning of the brand's establishment, a small band of passionate sound engineering entrepreneurs were faced with the shortage of high-power PA amplification in the UK at that time and decided to design and manufacture their own brand, Studiomaster. The company was named Recording Studio Design (RSD), aiming to bring the sound quality of the recording studio to the concert stage.

In the early 1980s, although confronted with fierce competition from many major brands, Studiomaster still gained a stable market in the professional audio field. Its power amplifier products had always been known for their stability. In 1982, it began to develop and produce professional mixing consoles, and their mixing consoles increasingly appeared in recording studios and sound engineerings. At that time, MIDI had quickly become the standard for controlling electroacoustic devices, and RSD followed the trend, successfully designed the first mixer with MIDI. And we had the strength to provide 3-way and 5-way frequency dividers, speakers, and a full set of engineering accessories. Then Studiomaster entered the domestic market and began to be widely used in CCTV and various local television stations, becoming one of the mainstream audio brands at that time. The mixing console of Studiomaster had been selling well worldwide in 1990. In 2000, we began researching and producing professional speaker products. In 2008, the Soundking Group full-capital acquired the Recording Master brand.

## Development

**1976**

The Studiomaster brand was officially established, and the company was called RSD (Recording Studio Design) .

**1978**

The power amplifier with world's highest power, 800B (800W) was created.

**1980**

Launched the power amplifier Mosfet1000 (1000W), with a power exceeding 800B, indicating a significant development in power amplifier design.

**1981**

Invented the world's first VLM (Valve Leadmaster).

**1982**

Started to produce mixing consoles, which increasingly appeared in recording studios and sound engineerings.

Started to produce effects ,which became one of the iconic product categories for Studiomaster.

**1988**

Invented the world's first MIDI mixer/began to produce speakers.

**2000**

Launched the world's first entertainment mixer.

**2008**

The Soundking Group in 1990 acquired the Studiomaster brand.

## Nowadays

With the strong support of the Soundking Group, Studiomaster (Recording Master) entered the digital era in 2015 and began researching, developing, and building many digital products, including digital mixers, digital power amplifiers, and so on. So far, the Recording Master brand has business extended over more than 100 countries and regions worldwide, with over 500 agents.

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Self-Adaptive Sound Field Processor

SM46

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V8 Series  
V10 Series  
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Processors, Power Sequencers & Amplifiers

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RPS8  
HX Series  
QX Series  
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AX2 Series

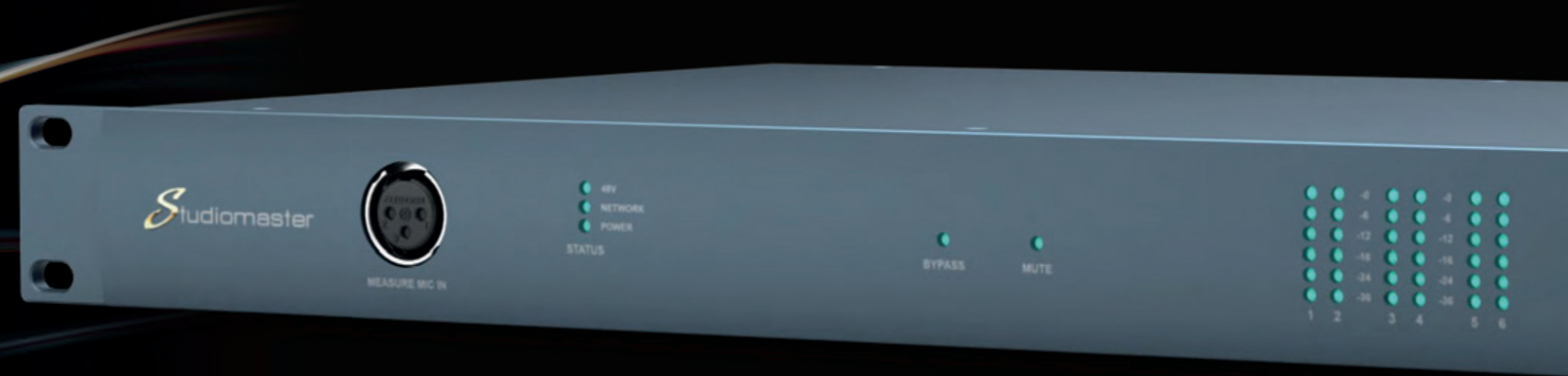
# CONTENTS

FULL LINE

# SM46

Self-adaptive Sound Field Processor

Studiomaster | 01-06



# SM46

## INTELLIGENT SOUND ENGINEER

IS APPROACHING TOWARDS US



### R&D Background

The SM46 self-adaptive sound field processor is designed to address the adverse listening sensation caused by the interaction between electronic acoustics and physical acoustics in professional sound reinforcement system applications. It is a breakthrough and innovative high-tech product in the audio domain.

The SM46 adaptive sound field processor is based on a world-leading audio research and development platform. This product is the first to implement 4096 high-order real-time FIR acoustic phase calibration processor using SINECORE technology and FPGA algorithm, effectively solving the impact of system delay caused by traditional DSP audio processing mode on sound quality transmission, achieving a 3D standard that incorporates Ultra clear sampling / High order operations / Accurate calibration, in order to optimize on-site sound amplification and truly achieve a "what you see is what you get".

## FPGA High Order Real Time FIR Acoustic Phase Calibration Technology

Significantly improve the clarity of the mix and achieve precise flat response of sound frequency

### Technological Innovation

With the specific requirements of professional sound reinforcement application scenarios, commensurate professional sound reinforcement systems have also become diversified. The speaker selection and layout are also becoming more complex, so that more coherent audio content in the same space is amplified by multiple speakers at the same time. Serious acoustic interference problems thus follow. The phase distortion and comb filtering caused by the interaction between complex frequencies seriously affect the sound quality level, These impacts will also far exceed the capabilities of traditional DSP audio phase processing, and the system delay generated by the audio processing mechanism of serial computers will also become an important factor affecting the quality of sound reinforcement. Audio system engineers need to spend a lot of time solving this problem.

When operating SM46, only frequency pickup is required in the listening area. The powerful FPGA operation core performs 4096 high-order automatic frequency phase calibration on the picked signal, completing all the work of sound field calibration and optimizing frequency response from frequency pickup to obtain high-quality processing results in just a few seconds, and the system delay generated by its operation will also be less than 0.25 milliseconds. Operators can even design and define the overall style of frequency response by manipulating the frequency response curve design function in the software.

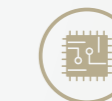
SM46 has a tell-tale improvement in optimizing the electronic sound field and significantly improves the final audio processing effect. SM46 will become the super tool that every system engineer dreams of.



Wireless remote management



Simplified and convenient operation



High order FIR



0.25ms ultra-low delay



Powerful FPGA chipset computing



Standardized network protocol connection

# SM46

## Market Applications

The birth and application of self-adaptive sound field processors will enable existing audio systems to achieve the best sound field effects, leveraging the sound field processing capabilities that cannot be replaced by other sound processors in the international industry. They are truly artificial intelligence sound engineers. To ensure the quality of audio system engineering and the stability of sound field control, this product plays the role of on-site monitoring and automatic operation and maintenance by a sound engineer. When applied to the upgrade of existing huge cache of audio engineering systems, it will effectively change the sound effect of the original system, improve the audience's excellent listening experience, and bring new and unprecedented best sound effects to end users.

Therefore, we have reason to believe that the invention of this technology and the application of its products in engineering design will become the best partner and indispensable tool for audio workers, and will become a must-have choice for all audio system engineering designs now and in the future.

When choosing this adaptive sound field processor, it is recommended to use the Studiomaster N48 digital audio processor in combination, which can not only improve the original sound quality of the speaker, but also solve the high-quality sound field effect on site. It is a highly advantageous systematic and partner-like audio intelligent work platform.

## Application

Suitable for use in Theme park, Performance rental, Sports venue, Grand theater, LIVE HOUSE, Conference room, Multifunction Room, Cinema, Television Studio, etc.

## Specification

### SM46

Analog input	4 x XLR (left and right channels), +24dBu max
Analog output	6 x XLR (left and right: subwoofer+bass+MF+HF), +24dBu max
Word clock input	1x Input@75 ohms 3vpp on BNC32-192kHz
Word clock output	1x Output@75 ohms 3vpp on BNC32-192kHz
D/A converter	dynamic range: 120dB THD+N: - 107dB
A/D converter	dynamic range: 120dB THD+N: - 110dB
Sampling rate	44.1 / 48 / 88.2 / 96 / 176.4 / 192 (kHz)
Electrical specification	AC universal input: 95-245V ; Power consumption: 20W max

### (Optional) Measurement microphone M480

Pickup type	Electret capacitive type
Head diameter	1/4 "(7mm)
Pickup method	Omni
Sensitivity	30mV/Pa
Frequency response	20Hz-20kHz
Max SPL (SPL)	130dB
Balanced noise level	<30dBA
Output impedance	<600 ohms
Power supply	48V phantom power supply

## (Optional)

### Reference Microphone M480



### Microphone Case



### Dedicated low noise audio test cable 15m BXX023



# SM46

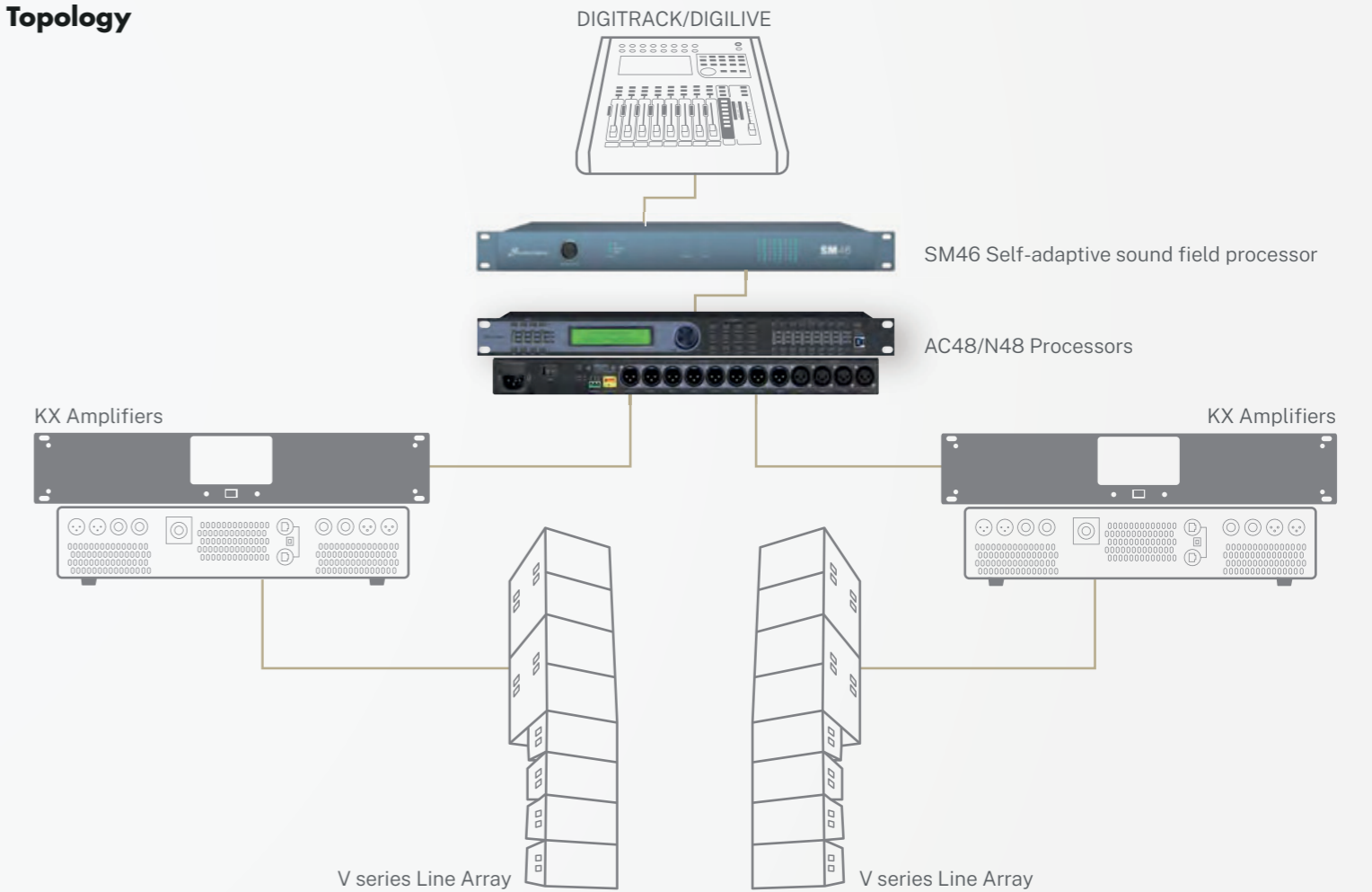
## Debugging time of completion for various applications

▼ **Sonic Crystal**  
Sound Field Calibration Software

Application	Time	Reference points	Number of speakers
Theme Park	30min	16	40-60
Performance rental	30min	10-16	20-60
Sports venues	30min	16	40-60
Grand Theatre	30min	16	40-60
LIVE HOUSE	30min	10-14	20-40
Conference Room	30min	5-8	6-30
Multifunction Room	30min	8-10	10-20
Cinema	30min	10-14	20-40
Television Studio	30min	10-14	10-30



## System Topology



# CONSOLES

StuDiomaster  
SINCE 1978

07-22





# DIGITRACK 18 NEW

The newest flagship console to our DIGI series of compact digital mixing solutions. The 16 input channel DIGITRACK 18 brings all the simple operation brought to you with the DIGILIVE 16, but adding extra features and options, that are normally reserved for higher end digital mixers.

Studiomaster always tries to give you the user what you use, rather than confuse with features you are never likely to use. The DIGITRACK 18 is no exception to this, with multitrack recording or LAN network connectivity, DCA sub groups, custom layers and hot keys for instant access to the features you want. Take a closer look, we think you will be impressed by what it has to offer.



## KEY Features

**16 MIC/LINE INPUTS** (4 with combo XLR/JACK input)

**16 INTERNAL** busses available

**9 MOTORIZED FADERS** for recall and precise control

**MULTITRACK** high speed USB i/o option port with 16 track in/out

**DCA GROUPS, MUTE GROUPS** and **CUSTOM** layers

**8 STEREO FX** reverb, delay, modulation, 31 band graphics

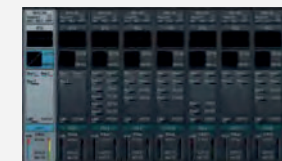
**8 SMART OUTPUTS** each output can be set to any bus

**DIGITAL I/O** USB playback/record, S/PDIF in/out and AES-EBU output

**7" TOUCH SCREEN** high resolution to clearly see the information you need

**Remote control** Remote control accessed by any browser from any device

**EXTERNAL PSU** for reliable noise free operation



### INTELLIGENT USER INTERFACE

- > simple to use 1024 x 600 7" touchscreen
- > clear visual representation of all channel and mixer settings
- > use either touchscreen or encoder to adjust any setting
- > 100mm motorized faders, with one touch layer selection
- > solo, mute and channel select buttons for each channel
- > RS485 connection to custom API or Remote control accessed by any browser



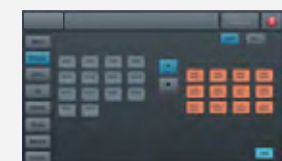
### MIXING MADE EASY

- > input and output channel metering is clear with the high definition screen
- > both input and output levels clearly displayed
- > pre and post fader metering



### SMART BUSES AND OUTPUTS

- > 16 internal busses with 8 balanced XLR outputs
- > 6 DCA internal groups and 2 mute groups
- > comprehensive routing facilities to maximise mixer flexibility
- > simple and clear selection and routing



### DYNAMICS ON EVERY CHANNEL

- > fully adjustable gate and compression
- > 4 stereo effects available with reverb, delay, modulation and 31 band graphic EQ
- > simple to use and informative visual representation of effect or dynamic
- > depth and gain reduction metering for accurate adjustment

### ADVANCED ALGORITHMS

- > 4 band fully parametric EQ
- > each band adjustable between 20Hz and 20kHz
- > variable gain and Q, and ability to save EQ library presets
- > automatic real time analysis (RTA) on 31 band graphic equaliser

### Rear Panel

- optional USB or LAN audio interface
- built in media player and recorder
- playback from either USB
- record from any smart output



### Options

Multi-track recording pluggable rear module  
(Size: 107 x 23 x 105mm)



16 x 16 USB Audio Interface



Digital Audio LAN Interface

### Specification

MIC/LINE Input	16 channels 12 x XLR/4 x COMBO XLR/JACK
Master Output Smart Outputs	2 Left/Right balanced XLR 6 assignable balanced XLR
Internal busses DCA groups Stereo Monitor Headphone	16 6 DCA groups 2 XLR output 1 TRS Jack output
Screen Faders Layers	7" high definition touch screen 8 x motorized 100 mm faders + 1 x motorized 100mm fader for L/R mix multiple channel/bus layers + 2 custom user layers
Sample Frequency AD/DA DSP Remote control	48kHz 192kHz, 24-bit 40-bit float point, SHARC processor Cross platform - Any device with Wi-Fi / Lan and web browser
Effects	up to 8 assignable effect modules (reverb, modulation, delay, 31 band GEQ with RTA)
AES/EBU S/PDIF USB Interface	Output (XLR) Input / Output (RCA phono) 2 USB type A for playback/recording, scene storage and system updates option - 1 USB type B for 16 x 16 USB audio connection to PC/computer DAW 2 RJ45 sockets for digital audio in/out to LAN
Network	yes via WIFI external module
Power Dimension (W x H x D) Net Weight	90-240V ~ 50/60Hz power supply 24VDC output 585 x 465 x 230mm 7.5kg

# DIGILIVE 16

The DIGILIVE 16 offers ultra-compact digital audio mixer combines the power of a hardware mixer with the beauty and simplicity of a touch-screen control surface.

The DIGILIVE 16 is designed to be quick, simple and intuitive to use. In addition to the 7-inch high-resolution touch-screen where you can access all your features, I/O options and effects, the mixer features full 100mm motorised faders that can recall scene settings at a moments notice. Full control is also available remotely via Wi-Fi using your iPad so you are free to mix anywhere in the venue.



## KEY Features

- 16 ANALOGUE INPUTS** 12 mic input and 2 stereo input channels
- 16 INTERNAL** busses available
- 9 MOTORIZED FADERS** for recall and precise control
- 8 STEREO FX** add reverb, delay, modulation or 31 band graphics to busses or channels
- 8 SMART OUTPUTS** each output can be set to any bus
- DIGITAL I/O** USB playback/record, S/PDIF in/out and AES-EBU output
- 7" TOUCH SCREEN** high resolution to clearly see the information you need
- SCENE SAVING** complete desk (except gain) settings can be saved
- IPAD CONTROL** full remote operation from the IOS APP
- EXTERNAL PSU** for reliable noise free operation

### Rear Panel

- built in media player and recorder
- playback from either USB
- record from any smart output



### Specification

MIC Input	12 channels	8 x XLR/4 x COMBO XLR/JACK
LINE Input	2 (Stereo) channels	Two 6.5 stereo Jacks, one 3.5 stereo Jack in parallel with one stereo channel
Master Output	2	Left/Right balanced XLR
Smart Outputs	6	assignable balanced XLR
Internal busses	16	
Stereo Monitor	1	TRS Jack output
Headphone	1	TRS Jack output
Screen	7"	high definition touch screen
Faders	8 x	motorized 100 mm faders + 1 x motorized 100mm fader for L/R mix
Sample Frequency	48kHz	
AD/DA	192kHz, 24-bit	
DSP	40-bit float point, SHARC processor	
iPad Remote control	Yes	
Effects	up to 8	assignable effect modules (reverb, modulation, delay, 31 band GEQ with RTA)
Digital input/outputs		
AES/EBU	Output (XLR)	
S/PDIF	Input / Output (RCA phono)	
USB Interface	2	for playback/recording, scene storage and system updates
Network	yes	via WIFI external module
Power	90-240V	~ 50/60Hz power supply 24VDC output
Dimension (W x H x D)	357 x 145 x 480mm	
Net Weight	5kg	

“ With its compact form factor, simple easy to use interface, and wifi connectivity, the DIGILIVE 16 is perfect for gigging musicians and small venues. ”



#### INTELLIGENT USER INTERFACE

- > simple to use 1024 x 600 7" touchscreen with clear and informative graphics
- > clear visual representation of all channel and mixer settings
- > use either touchscreen or encoder to adjust any setting
- > 100mm motorized faders, with one touch layer selection
- > solo, mute and channel select buttons for each channel



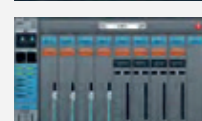
#### MIXING MADE EASY

- > input and output channel metering is clear with the high definition screen
- > both input and output levels clearly displayed
- > pre and post fader metering



#### RECORDING AND PLAYBACK

- > built in media player and recorder
- > playback from either USB
- > record from any smart output



#### SMART OUTPUTS

- > 16 internal busses with 8 balanced XLR outputs
- > comprehensive routing facilities to maximise mixer flexibility
- > simple and clear selection and routing



#### ADVANCED ALGORITHMS

- > 4 band fully parametric EQ
- > each band adjustable between 20Hz and 20kHz
- > variable gain and Q, and ability to save EQ library presets
- > automatic real time analysis (RTA) on 31 band graphic equaliser



#### DYNAMICS AND EFFECTS ON EVERY CHANNEL

- > fully adjustable gate and compression
- > 4 stereo effects available with reverb, delay, modulation and 31 band graphic EQ
- > simple to use and informative visual representation of effect or dynamic
- > depth and gain reduction metering for accurate adjustment

# DIGILIVE 4C/8C

## 4 AND 8 INPUT DIGITAL MIXING CONSOLE

Unique control interface allowing your mix to always be achieved even if your Wi-Fi fails



### FULL - BASIC - LOCK

Simple to use interface with 3 operation modes (LOCK mode only allows fader/media operation)

### SAVE EQ TO PRESETS

4 band parametric EQ  
HPF and intuitive operation  
(BASIC mode converts EQ to 4 band fixed)

### EASY TO VIEW BUS ROUTING

Analogue inspired bus/effect routing  
Double tap the faders to get fast to zero  
(you can even choose pre or post fade)



### BASIC MODE GIVES SIMPLE ONE CONTROL

High quality compression and gate dynamics  
Save presets to your library for easy recall  
(easy to understand graphical display)

### ONE TOUCH OPERATION TO PLAY

Media player with simultaneous recording  
Play multiple formats from MP3 to WAV  
(records L/R main mix in stereo WAV)



### FULL CONTROL OVER YOUR MIX

31 band graphic on L/R main mix outputs  
Easy to use and save to your library  
(double tap the control to centre the fader)



## KEY Features

- **4 AND 8** ultra compact channel models available
- **SIMPLE TO USE** control surface for quick complete control
- **RECORD** your mix or playback from the built-in USB media center
- **SCENE/SETUP** saving and recall facility
- **2 OR 4** dedicated effects busses with choice of high quality fx
- **HEADPHONES** and control room output for full monitoring
- **3 OPERATION MODES** to simplify your mix or give full access
- **+48V** phantom power on mic channels for condenser microphones
- **BALANCED** inputs and outputs
- **EXTERNAL PSU** for reliable noise free operation

“ Works On Any Device With Wi-Fi or LAN ”

- PHONE  
- TABLET  
- LAPTOP  
-Any Platform

## Specification

	DIGILIVE 4C	DIGILIVE 8C
Inputs	4 analogue input	8 analogue input
MIC Input LINE Input	2 MIC/LINE COMBO XLR/JACK 1 STEREO Jack/3.5mm mini Jack	6 MIC/LINE COMBO XLR/JACK 1 STEREO Jack/3.5mm mini Jack
Master Output	2 Left/Right balanced XLR	2 Left/Right balanced XLR
Internal busses	2 stereo FX / 1 mono AUX / stereo PFL / Main Mix	4 stereo FX / 2 mono AUX / stereo PFL / Main Mix
Stereo Monitor Headphone	1 TRS Jack output 1 TRS Jack output	2 TRS Jack output 1 TRS Jack output
Control Interface	Full mix from 3 rotary encoders	
Sample Frequency AD/DA DSP Remote control	48kHz 48kHz, 24-bit 40-bit float point, SHARC processor Cross platform - Any device with Wi-Fi / Lan and web browser	
Effects	2-programmable DELAY and REVERB	4-programmable DELAY and REVERB
Digital input/outputs USB Interface Network	2 for playback/recording, scene storage and system updates yes via WIFI external module or RJ45 LAN connection	
Power Dimension (W x H x D) Net Weight	90-240V ~ 50/60Hz power supply 12VDC output 220 x 90 x 180mm 1.5kg	350 x 90 x 180mm 2kg

# DIGILIVE 16RS/16P-600

## 20 INPUT RACK-MOUNT DIGITAL MIXING CONSOLE

16 Analogue Input - 12 Mic / 2 Stereo  
4 Digital Input - Stereo USB Playback / SPDIF



### INTELLIGENT USER INTERFACE

- > simple to use 1024 x 600 7" touchscreen with clear and informative graphics
- > clear visual representation of all channel and mixer settings
- > use either touchscreen or encoder to adjust any setting
- > high definition rotary encoders with led indicators
- > solo, mute and channel select buttons for each channel

### SMART OUTPUTS

- > 16 internal busses with 8 balanced XLR outputs, 4 x XLR+4 amp channels
- > comprehensive routing facilities to maximise mixer flexibility
- > simple and clear selection and routing



### DYNAMICS AND EFFECTS ON EVERY CHANNEL

- > fully adjustable gate and compression
- > 4 stereo effects available with reverb, delay, modulation and 31 band graphic EQ
- > simple to use and informative visual representation of effect or dynamic
- > depth and gain reduction metering for accurate adjustment

### MIXING MADE EASY

- > input and output channel metering is clear with the high definition screen
- > both input and output levels clearly displayed
- > pre and post fader metering



### ADVANCED ALGORITHMS

- > 4 band fully parametric EQ
- > each band adjustable between 20Hz and 20kHz
- > variable gain and Q, and ability to save EQ library presets
- > automatic real time analysis (RTA) on 31 band graphic equaliser

### RECORDING AND PLAYBACK

- > built in media player and recorder
- > playback from either USB
- > record from any smart output



## KEY Features

- 16 ANALOGUE INPUTS 12 mic input and 2 stereo input channels
- 16 INTERNAL busses available
- 9 ROTARY ENCODERS for recall and precise control
- 8 STEREO FX add reverb, delay, modulation or 31 band graphics to busses or channels
- SMART OUTPUTS each output can be set to any bus
- DIGITAL I/O USB playback/record, S/PDIF in/out and AES-EBU output
- 7" SCREEN high resolution to clearly see the information you need
- SCENE SAVING complete desk (except gain) settings can be saved
- IPAD CONTROL full remote operation from the IOS APP
- EXTERNAL PSU for easy installation

## DIGILIVE 16RS unpowered 8 XLR Outputs



## DIGILIVE 16P-600 powered 4 XLR Outputs 4x150W Amplifier



## Specification

MIC Input LINE Input	12 channels 8 x XLR/4 x COMBO XLR/JACK 2 (Stereo) channels Two 6.5 stereo Jacks, one 3.5 stereo Jack in parallel with one stereo channel
Master Output Smart Outputs	2 Left/Right balanced XLR RS=6 assignable balanced XLR P600=2 assignable balanced XLR + 4 times of 4-pole speaker outputs
Internal busses Stereo Monitor Headphone	16 1 TRS Jack output 1 TRS Jack output
Screen Control	7" high definition touch screen 9 x high resolution rotary encoders with led indication
Sample Frequency AD/DA DSP Tablet Remote control	48kHz 192kHz, 24-bit 40-bit float point, SHARC processor IOS
Effects	up to 8 assignable effect modules (reverb, modulation, delay, 31 band GEQ with RTA)
Digital input/outputs AES/EBU S/PDIF USB Interface Network	Output (XLR) Input / Output (RCA phono) 2 for playback/recording, scene storage and system updates yes via WIFI external module
Power Amplifier power Dimension (W x H x D) Net Weight	100-120V/200-240V ~ 50/60Hz power supply <b>DIGILIVE 16P-600</b> 4 x 150 watt (RMS) at 4 ohm 585 x 290 x 305mm 6kg

# mixBRIDGE/multiBRIDGE

## UNIQUE HYBRID AUDIO INTERFACE AND MIXING CONSOLE

- mixBRIDGE6** 6 inputs (2mic/2stereo) with 2 track (stereo) USB recording
- mixBRIDGE8** 8 inputs (4mic/2stereo) with 2 track (stereo) USB recording
- multiBRIDGE8** 8 inputs (4mic/2stereo) with 8 track (multi) USB recording



- 1 Professional MIC/LINE level inputs
- 2 Line level and instrument Hi-Z level inputs
- 3 2 band EQ, monitor bus and pan control
- 4 High power dual headphone output with independent levels
- 5 Space saving steel construction ideal for your desk or on the road
- 6 2 or 8 track USB send to DAW 2 track return from DAW

### Just a few reasons why we think it is great...

#### LIVE

Mix and record your live set, with up to 8 inputs (4 mic /2 stereo), enough for a small band, and even have a monitor mix.

#### REHEARSAL

Get a well mixed sound with the ability to easily record your rehearsals on your computer.

#### LIVESTREAM

Multiple inputs, a MIDI interface, twin headphone outputs and a space saving design that looks great on any desk.

#### PODCAST

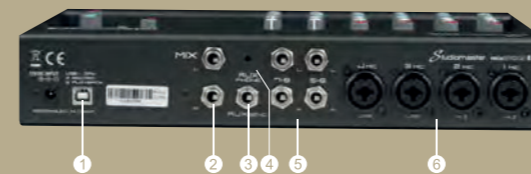
##### TRRS

(mix-minus) input for live phone call recording.

#### HOME RECORDING

High quality microphone pre-amps and up to 8 tracks of 24bit/96k USB output to work seamlessly with your DAW.

### Rear Panel



- 1 USB - audio/MIDI to/from your computer DAW  
2 track (mixBRIDGE) / 8 track (multiBRIDGE)
- 2 Balanced outputs for monitoring or connecting to a PA system
- 3 AUX output for monitor mixes
- 4 TRRS AUX input with mix-minus, control live calls in podcasts or livestreams
- 5 Multiple input choices - 2 x Stereo inputs
- 6 COMBO XLR / Jack inputs

### Specification

	mixBRIDGE6	mixBRIDGE8	multiBRIDGE8
USB Output	2 track (L-R)	2 track (L-R)	8 track (channels)
USB Input	2 track	2 track	2 track
USB Sampling rate	24bit/48kHz	24bit/48kHz	24bit/96kHz
MIDI Interface	n/a	n/a	YES in/thru
MIC/LINE Inputs	2 x COMBO (2 x mic / 1 x line / 1 x hi-z)	4 x COMBO (4 x mic / 2 x line / 2 x hi-z)	
Phantom Power		+48V all mics individually switched	
Stereo Inputs		4 x 1/4" (6.35mm) jacks	
Channel EQ		2 band HI / LO	
AUX/PHONE Input		1 x 1/8" (3.5mm) TRRS (mix-minus) jack	
MIX Output		2 x 1/4" (6.35mm) balanced jacks	
AUX/MONITOR Output		1 x 1/4" (6.35mm) mono jack	
MIC Gain		+6dB to +50dB	
LINE Gain		+10dB to -34dB	
MIC EIN		<-100dB	
Frequency response		10Hz - 20kHz +/-3dB	
THD		<=0.03%	
S/N Ratio		80dB	
Output Level		MAX +20dB (unbal/balanced)	
EQ HI Frequency		12kHz (+/- 15dB)	
EQ LO Frequency		80Hz (+/- 15dB)	
Power Supply		12V DC external PSU	
Dimensions (W x H x D)	253 x 55 x 210mm	310 x 55 x 210mm	310 x 55 x 210mm
Net Weight	2.1kg	2.5kg	2.5kg

# SESSIONMIX Series

**SESSIONMIX822** 8 input, 6 mic + 1 stereo, 2 group, with media / bluetooth

**SESSIONMIX1222** 12 input, 10 mic + 1 stereo, 2 group, with media / bluetooth

**SESSIONMIX1622** 16 input, 14 mic + 1 stereo, 2 group, with media / bluetooth



Using the foundation of our popular CLUBXS16+, enhancing the design style and adding a stereo sub-group. The SESSIONMIX series of 3 models, give you up to 14 mic channels in a compact space saving design.

With the features available, such as USB recording, or the Bluetooth playback ability, there are many applications whether a small to medium size band or an installation where the channel count is important.

60mm faders on all channels, balanced XLR outputs, PFL/listen on every channel and professional mic/line inputs make the new SESSIONMIX series worth having a closer look at.

## Rear Panel



## KEY Features

- **3 MODELS** 8, 12 and 16 input versions available
- **USB/SD CARD/BLUETOOTH** media module for playback / recording
- **STEREO SUB GROUP** with 60mm faders and jack outputs
- **DSP EFFECTS** 16 quality reverb, delay and stereo effects
- **DSP ON/OFF** footswitch socket to easily turn on or off your effects
- **COMPRESSOR** and 100Hz high pass filter on all mic channels
- **PFL (LISTEN) and MUTE** on all channels
- **3 BAND EQ** on mic channel for superior tone adjustments
- **2 BAND EQ** on stereo channels to add warmth to your instruments
- **2 x AUX & 1 x DSP OUTPUT** for a monitor mixes and external fx
- **STEREO RETURN** extra inputs with a simple level control
- **RCA/PHONO** playback and record ability
- **HEADPHONES** and control room output for full monitoring
- **+48V** phantom power on mic channel for condenser microphones
- **EXTERNAL PSU** for reliable noise free operation

**SESSIONMIX822**  
8 input, 6 mic + 1 stereo, 2 group,  
with media / bluetooth



**SESSIONMIX1222**  
12 input, 10 mic + 1 stereo, 2 group,  
with media / bluetooth



**SESSIONMIX1622**  
16 input, 14 mic + 1 stereo, 2 group,  
with media/bluetooth



## Specification

	<b>SESSIONMIX822</b>	<b>SESSIONMIX1222</b>	<b>SESSIONMIX1622</b>
Inputs	8	12	16
Mic Input channels	6	10	14
Stereo Input channels	1	1	1
Sub Group / Output	2	2	2
Gain	MIN ~ MAX	MIN ~ MAX	MIN ~ MAX
Mic	6dB ~ +50dB	6dB ~ +50dB	6dB ~ +50dB
Line	+10dB ~ -34dB	+10dB ~ -34dB	+10dB ~ -34dB
EIN	-100dB	-100dB	-100dB
Frequency response	10Hz~20kHz+1/-3	10Hz~20kHz+1/-3	10Hz~20kHz+1/-3
Mic Channel	≤0.03%	≤0.03%	≤0.03%
THD Mic Channel	80dB	80dB	80dB
Signal to noise ratio			
Output Levels	MAX +26(BAL) MAX +20(UNBAL)	MAX +26(BAL) MAX +20(UNBAL)	MAX +26(BAL) MAX +20(UNBAL)
Channel EQ			
Hi	12kHz	12kHz	12kHz
Mid	2.5kHz	2.5kHz	2.5kHz
Lo	45Hz	45Hz	45Hz
Lo Cut	80Hz	80Hz	80Hz
Compression	Yes - single control	Yes - single control	Yes - single control
MP3/USB/SD Audio playback	YES	YES	YES
USB/SD Audio recording	YES	YES	YES
DSP Effects	YES - 16 effects	YES - 16 effects	YES - 16 effects
Power requirements	External 12V DC adapter	External 12V DC adapter	External 12V DC adapter
Dimension (W x H x D)	378.6 x 152 x 467.5mm	491 x 152 x 467.5mm	602.6 x 152 x 467.5mm
Net Weight	5.5kg	7kg	8.5kg

# CLUBXS+ Series

## CONSOLES COME IN HANDY IN VARIOUS APPLICATIONS



The Studiomaster CLUBXS+ series are a range of comprehensive and affordable compact, hard wearing mixing consoles.

With all the features required for live mixing or stereo recording an event, duo or band whether at home, in the rehearsal rooms or out at an event.

The compact range is available in 6 to 12 input versions with 19" rack adapters or dedicated 19" rack mounting models to fulfil virtually any application.

## KEY Features

- **6 MODELS** 5/6/8/10/12/16 input versions available
- **BLUETOOTH** playback facility
- **USB/SD CARD** media module for playback / recording
- **DSP EFFECTS** 16 quality reverb, delay and stereo effects
- **DSP ON/OFF** footswitch socket to easily turn on or off your effects
- **COMPRESSOR** and 100Hz high pass filter on all mic channels
- **MUTE** button on all channels
- **3 BAND EQ** on mic channel for superior tone adjustments
- **2 BAND EQ** on stereo channels to add warmth to your instruments
- **AUX & DSP OUTPUT** for a monitor mixes and external fx
- **STEREO RETURN** extra inputs with a simple level control
- **RCA/PHONO** playback and record ability
- **HEADPHONES** and control room output for full monitoring
- **+48V** phantom power on mic channel for condenser microphones

## Specification

	CLUB XS5	CLUB XS6+	CLUB XS8+	CLUB XS10+	CLUB XS12+	CLUB XS16+
<b>Inputs</b>	5	6	8	10	12	16
Mic Input channels	1	2	4	6	8	12
Stereo Input channels	2	2	2	2	2	2
<b>Gain</b>	MIN - MAX	MIN - MAX	MIN - MAX	MIN - MAX	MIN - MAX	MIN - MAX
Mic	6dB ~ +50dB	6dB ~ +50dB	6dB ~ +50dB	6dB ~ +50dB	6dB ~ +50dB	6dB ~ +50dB
Line	+10dB ~ -34dB	+10dB ~ -34dB	+10dB ~ -34dB	+10dB ~ -34dB	+10dB ~ -34dB	+10dB ~ -34dB
EIN	-100dB	-100dB	-100dB	-100dB	-100dB	-100dB
<b>Frequency response</b>						
Mic Channel	10Hz-20kHz+1/-3	10Hz-20kHz+1/-3	10Hz-20kHz+1/-3	10Hz-20kHz+1/-3	10Hz-20kHz+1/-3	10Hz-20kHz+1/-3
THD Mic Channel	≤0.1%	≤0.1%	≤0.1%	≤0.1%	≤0.1%	≤0.1%
Signal to noise ratio	80dB	80dB	80dB	80dB	80dB	80dB
<b>Output Levels</b>	MAX +26(BAL) MAX +20(UNBAL)	MAX +26(BAL) MAX +20(UNBAL)	MAX +26(BAL) MAX +20(UNBAL)	MAX +26(BAL) MAX +20(UNBAL)	MAX +26(BAL) MAX +20(UNBAL)	MAX +26(BAL) MAX +20(UNBAL)
<b>Channel EQ</b>						
Hi	12kHz	12kHz	12kHz	12kHz	12kHz	12kHz
Mid	2.5kHz	2.5kHz	2.5kHz	2.5kHz	2.5kHz	2.5kHz
Lo	45Hz	45Hz	45Hz	45Hz	45Hz	45Hz
Lo Cut	80Hz	80Hz	80Hz	80Hz	80Hz	80Hz
<b>MP3/USB/SD Audio playback</b>	YES	YES	YES	YES	YES	YES
<b>USB/SD Audio recording</b>	YES	YES	YES	YES	YES	YES
<b>DSP Effects</b>	YES	YES	YES	YES	YES	YES
<b>Power requirements</b>	100V - 240V ~	100V - 240V ~	100V - 240V ~	100V - 240V ~	100V - 240V ~	100V - 240V ~
<b>Dimension (W x H x D)</b>	195 x 80 x 270mm	250 x 80 x 365mm	305 x 80 x 365mm	360 x 80 x 365mm	415 x 80 x 365mm	525 x 80 x 390mm
<b>Weight</b>	3kg	3.5kg	4.5kg	5kg	5.5kg	7.3kg

# C6 Series

## Available In Either 12 OR 16 Input Variations

<b>C6-12</b>	12 input, 6 mic + 4 stereo channels
<b>C6XS-12</b>	12 input, 6 mic + 4 stereo channels with DSP/USB
<b>C6-16</b>	16 input, 10 mic + 4 stereo channels
<b>C6XS-16</b>	16 input, 10 mic + 4 stereo channels with DSP/USB

Offering a lightweight, portable solution, these desks are perfect for both live and home recording applications. Constructed from the latest robust moulding technology, the strength and weight benefits make the units highly portable.

Featuring either 6 or 10 mic channels with built in adjustable compressor on every channel and 4 stereo channels. All inputs channels feature 3 band EQ, 2 or 4 auxiliaries (depending on model), Pan/Balance, PFL listen bus, Channel On switching and comprehensive routing facilities to the main mix or the stereo sub groups.

### Rear Panel



## KEY Features

- **4 MODELS** 12 input (6 mic/4 stereo) & 16 input (10mic/4 stereo) with or without DSP effects & 2 track USB playback/record
- **STEREO SUB GROUPS** 1 or 2 depending on model
- **AUX BUSES** 2 or 4 AUX/monitor busses depending on model
- **DSP EFFECTS** 16 quality reverb, delay and stereo effects (XS models)
- **USB** recording / playback (XS models)
- **COMPRESSOR** and 100Hz high pass filter on all mic channels
- **CHANNEL PFL & MUTE** buttons on all channels
- **3 BAND EQ** with mid sweep (C6/C6XS-16) on mic channels
- **2 BAND EQ** on stereo channels to add warmth to your instruments
- **STEREO RETURN** extra inputs with a simple level control (1 on C6/C6XS-12, 2 on C6/C6XS-16)
- **RCA/PHONO** playback and record ability
- **HEADPHONES** and control room output for full monitoring
- **+48V** selectable phantom power on mic channels

### C6-12

12 input, 6 mic + 4 stereo channels

### C6XS-12

12 input, 6 mic + 4 stereo channels with DSP/USB

### C6-16

16 input, 10 mic + 4 stereo channels

### C6XS-16

16 input, 10 mic + 4 stereo channels with DSP/USB



## Specification

	<b>C6-12</b>	<b>C6XS-12</b>	<b>C6-16</b>	<b>C6XS-16</b>
Channels	12	12	16	16
Mic Inputs	6	6	10	10
Stereo Inputs	4	4	4	4
Gain	MIN - MAX	15dB - 60dB	15dB - 60dB	15dB - 60dB
Mic	15dB - 60dB	15dB - 60dB	15dB - 60dB	15dB - 60dB
EIN	-128dB	-128dB	-128dB	-128dB
Frequency response				
Mic Channel	20Hz-20kHz+1/-3	20Hz-20kHz+1/-3	20Hz-20kHz+1/-3	20Hz-20kHz+1/-3
THD Mic Channel	≤0.1%	≤0.1%	≤0.1%	≤0.1%
Output Levels	MAX +28(BAL) MAX +22(UNBAL)	MAX +28(BAL) MAX +22(UNBAL)	MAX +28(BAL) MAX +22(UNBAL)	MAX +28(BAL) MAX +22(UNBAL)
Channel EQ				
Hi	12kHz	12kHz	12kHz	12kHz
Mid	2.7kHz	2.7kHz	500Hz-2.7kHz	500Hz-2.7kHz
Lo	100Hz	100Hz	100Hz	100Hz
Lo Cut	100Hz	100Hz	100Hz	100Hz
USB Audio	NO	YES	NO	YES
DSP EFX	NO	YES	NO	YES
Power requirements	30W	30W	35W	35W
Dimension (W x H x D)	475 x 225 x 515mm	475 x 225 x 515mm	585 x 250 x 590mm	585 x 250 x 590mm
Net Weight	3kg	3.5kg	4.5kg	7.2kg



# Studiomaster PRO

Studiomaster | 23-38



# V312 Series



The V312 line array speaker is a two way three frequency division system.

Two 1.75-inch tweeters, two 6.5-inch neodymium magnetic mid range units, and one 12-inch neodymium magnetic bass unit form a combination with great dynamic margin, greatly reducing the weight of the box. It provides extremely high sound pressure/volume ratio, and there is a built-in frequency divider between the high and mid range speakers, which is externally driven by two power amplifiers. The mid and low frequency section uses a high-power 12-inch paper basin neodymium magnetic bass unit. The intermediate frequency part is composed of two 6.5-inch neodymium magnetic intermediate sound units with high sensitivity, and the high frequency part uses two 1.75-inch high sound units. Through a plane wave converter, the high-frequency audio waveform is converted from spherical wave to equal phase plane wave, which greatly reduces the high-frequency interference effect and greatly improves the sound clarity at a long distance. At the same time, an exponential curve constant pointing horn is combined to produce a consistent wavefront.

The V312S is a single 18-inch inverse-phase type ultra low frequency speaker, which in combination with the V312 speaker can expand the low-frequency response of the system. A high-power subwoofer unit is used, completely free from the airflow noise of a regular subwoofer during high dynamics. A high-performance 18-inch unit uses a 100mm voice coil paper basin, bringing efficient and large-scale dynamic output. The product can be used with V312 through hanging, stacking on the ground, and other methods. The box part is made of high-strength birch composite plywood, and multiple strengthening structures are used inside the box to fully reduce energy loss caused by box resonance, making low-frequency sound stronger and more impactful under high-power and high sound pressure conditions.



## V312 2 x 10" 3-WAY PASSIVE MF/HF ENCLOSURE

- High frequency, medium frequency, and low frequency all use neodymium magnetic units
- High sensitivity and better sound quality
- The adjustable angle of each box is 0-10, adjustable every 1 degree
- Equipped with precision lifting system
- Low frequency floor level is lower, thick and full, with high sound pressure level
- Unique box design, small size, light weight



## V312S 1 x 18" LF ENCLOSURE

- Use a high-power 18-inch bass speaker
- Can be used with V312 to extend the floor level of low frequency
- The impedance adopts an 8 ohm design, which can be connected in parallel with two speakers, saving the number of power amplifiers, using small-sized cabinets, reducing the cost of the entire system, and facilitating transportation



## V218S PASSIVE SUBWOOFER DESIGNED FOR V10/V312/V310 SYSTEMS

It is a subwoofer that brings surging and powerful bass to the system. While it is added for more low end, is the main woofer and the V312S becomes the subwoofer, greatly enhancing the system sound reinforcement effect.

## Specification

	V312	V312S
MAX SPL <sup>1</sup> PEAK <sup>2</sup>	LF 131dB / MHF 138dB(peak) LF 400W / MHF 250W	135dB(peak) 1000W
WEIGHT	31kg	52kg
Cabinet type	3-way passive line array	passive line array woofer
Frequency response	60Hz - 20kHz (-10dB)	35Hz-180Hz (-10dB)
Coverage (H × V)	90 × 10 degree	-
Sensitivity (1W@1m)	LF: 99dB / MHF: 108dB	99dB
Crossover frequency	250 Hz	-
LF Driver	1 × 12" neodymium	1 x 18" / 4" voice coil
MF Driver	2 × 6.5" neodymium	-
HF Driver	2 × 1.75" neodymium compression driver	-
Impedance	LF: 8 ohm / MHF: 8 ohm	8 ohm
Dimensions (W × H × D)	715 × 357 × 410mm	715 × 607 × 670mm

1- 1m, free sound field  
2- IEC filtered noise with a peak factor of 6dB

## SUGGESTED SETUP CONFIGURATION

4 V312 Line Array Element	1 SM46 Self-adaptive Sound Field Controller	1 QX2-4000 Amplifier
2 V312S Line Array Subwoofer	1 AC 48II Audio Processor	1 QX2-3000 Amplifier
2 V218S Line Array Subwoofer	1 QX4-6000 Amplifier	1 QX2-6000 Amplifier

## V312 +V312S +V218S

# V310 Series



## KEY Features

- **3-WAY** 5 COMPONENTS
  - **2 x 10" LF** 3" VOICE COIL
  - **1 x 8" MF** 2" VOICE COIL
  - **2 x 3" HF** COMPRESSION DRIVER
  - BUILT IN **CROSSOVER** BETWEEN HF AND MF
- 
- **18"** 8 OHM 100MM VOICE COIL
  - **BIRCH** PLYWOOD CABINET
  - BIG **1000W** POWER HANDLING

Getting a big sound from a sound system is often left to large 2-way 10-inch line array systems, however, these are heavy, large and often difficult to set-up in smaller venues.

The V310 system with a specially designed 3-way configuration gives you SPL levels up to 142dB from a compact only 706mm wide, lightweight and powerful enclosure.

With the HF and MF with an internal crossover, the connection to the cabinet is still the same as a regular cabinet with LF & HF/MF inputs both at 16 ohm, so up to 4 enclosures can be connected in parallel to one amp/processor setup.

To compliment the V310 top cabinets, the V310S offers stunning performance from a compact cabinet, giving up to 135dB SPL from a single 18-inch phase inverted long travel driver. Double handles on each side make moving the cabinets safe and simple.



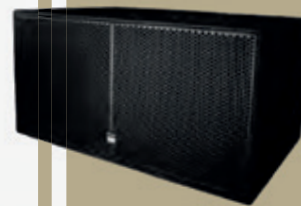
## V310 2 x 10" 3-WAY PASSIVE MF/HF ENCLOSURE

- 2 x 10" LF drivers with 3" / 75mm voice coils
- 1 x 8" MF and 2 x 3" compression drivers for HF
- Birch plywood enclosure
- Deep scoop handles
- Up to 142dB SPL
- 90 x 10 degree coverage angle



## V310S 1 x 18" LF ENCLOSURE

- Long excursion 1 x 18-inch LF driver with 4-inch / 100mm voice coil
- High performance 135dB SPL
- Dual scoop handles on each side
- Adjustable suspension system available



## V218S PASSIVE SUBWOOFER DESIGNED FOR V10/V312/V310 SYSTEMS

It is a subwoofer that brings surging and powerful bass to the system. While it is added for more low end, is the main woofer and the V310S becomes the subwoofer, greatly enhancing the system sound reinforcement effect.

## Specification

	V310	V310S
MAX SPL <sup>1</sup> PEAK <sup>2</sup>	LF 135dB / MHF 142dB LF 3600W / MHF 1600W	135dB 4000W
PGM RMS	LF 1800W / MHF 800W LF 900W / MHF 400W	2000W 1000W
WEIGHT	34kg	52kg
Cabinet type	3-way passive line array	passive line array woofer
Frequency response	50Hz - 20kHz (-10dB)	35Hz-180Hz (-10dB)
Coverage (H x V)	90 x 10 degree	-
Sensitivity (1W@1m)	LF: 99dB / MHF: 110dB	99dB
Crossover frequency	250 Hz	-
LF Driver	2 x 10" neodymium / 75mm VC	1 x 18" ferrite / 100mm VC
MF Driver	1 x 8" neodymium / 50mm VC	-
HF Driver	2 x 3" neodymium compression driver	-
Impedance	LF: 16 ohm / MHF: 16 ohm	8 ohm
Vertical spread angle	0-10 degree(1 degree step)	-
Dimensions (W x H x D)	706 x 304 x 526mm	706 x 580 x 680mm

1- 1m, free sound field  
2- IEC filtered noise with a peak factor of 6dB

## SUGGESTED SETUP CONFIGURATION

4 <b>V312</b> Line Array Element	1 <b>SM46</b> Self-adaptive Sound Field Controller	1 <b>V310</b> <b>+V310S</b> <b>+V218S</b>
2 <b>V312S</b> Line Array Subwoofer	1 <b>AC 48II</b> Audio Processor	1 <b>QX2-4000</b> Amplifier
2 <b>V218S</b> Line Array Subwoofer	1 <b>QX4-6000</b> Amplifier	1 <b>QX2-3000</b> Amplifier
		1 <b>QX2-6000</b> Amplifier

# V26 Series



## KEY Features

- **COMPACT COAXIAL ACTIVE ARRAY**
- **2 x 6.5"** MF DRIVERS
- **8 x 1"** HF DRIVERS
- **1 x 15"** LF DRIVER

The new V26 system is a compact active vertical array system, designed for stacking or flying.

Starting from 3 cabinets make the MF/HF, securely locking to each other with adjustable angles between 0 and 8 degrees. Each cabinet is active with built in high performance amplification and DSP control, giving you the ability to adjust crossover points, gain, EQ, delay and threshold, along with program memories so different configurations can be easily recalled.

Light weight at only 8.5kg and a superb dynamic margin is gained by the unique design of the array cabinets. With two 6.5-inch MF drivers and eight 1" magnetic neodymium dome tweeters set in a coaxial array at the front of the cabinet.

The 15" active sub with large 4" / 100mm voice coil delivers excellent low end response down to 40Hz, making the whole system ideal as a high quality stand alone system giving SPL's up to 130dB.

### DSP CONTROL — Driving the V26A and V26SA

Independent high performance power amplification in each cabinet, provides the power at the place you want it, without long cables or separate amplifiers. The cabinets also include a thru power connector, so for each stack only one main power cable needs to be supplied.

The built-in DSP gives you full control of your system, with crossover points, EQ, threshold, time delay and volume control. Either use the display and encoder on the rear panels, or connect your laptop through the RS485 connection to give you remote adjustment.



## V26A 2 x 6.5" ACTIVE MF/HF ENCLOSURE

- 2 x 6.5" neodymium MF drivers with 38mm voice coils
- 8 x 1" neodymium HF array drivers with 25mm voice coils
- Coaxial design with unique vertical array HF drivers
- Built-in 550W power amplifier and DSP for total control
- Up to 129dB SPL
- Compact size and light weight at only 8.5kg



## V26SA 1 x 15" LF ENCLOSURE

- High performance 1 x 15" LF drivers
- Large 4"/100mm voice coils to deliver consistent high power
- Integrated 1200W power amplifier and DSP
- Adjustable suspension system and convenient scoop handles

## Specification

	V26A	V26SA
MAX SPL <sup>1</sup>	129dB	137dB
AMP POWER <sup>2</sup>	MF 400W / HF 150W	1200W
WEIGHT	8.5kg	41kg
Cabinet type	2-way active line array	active line array woofer
Frequency response	70Hz - 20kHz (-10dB)	40Hz - 150Hz (-10dB)
Coverage (H x V)	120 x 8 degree	-
LF Driver	-	1 x 15" / 100mm VC
MF Driver	2 x 6.5" / 38mm VC	-
HF Driver	8 x 1" / 25mm VC	-
DSP	gain, EQ, crossover, delay, threshold	gain, EQ, crossover, delay, threshold
Crossover frequency	DSP controlled	DSP controlled
Vertical splay angle	0-8 degree (2 degree step)	-
Dimensions (W x H x D)	205 x 354 x 340mm	474 x 506 x 673mm

1- 1m, free sound field  
2- IEC filtered noise with a peak factor of 6dB

## MOUNTING SYSTEM

Keeping the whole system stable, and giving ability to adjust even the finest angle adjustment between each element.

The V26 suspension rack, securely locks your whole system together. Whether flying or stacking, your cabinets are securely connected with line array fixing pins and the robust welded rack.



# V5 Series



## 5" ACTIVE / PASSIVE ARRAY

The Studiomaster V5 line array is a two way system providing superior performance with a frequency response in a range of 60Hz-20kHz. Ultra compact yet provides impressive power levels.

The V5 HF/MF system consists of a two 5" MF drivers combined with a 44mm HF compression driver. This tuned combination greatly reduces the cabinets weight and size, yet still produces high volume and SPL specifications.

The trapezoidal enclosure is designed to keeps the loudspeakers operating the way they are intended with sound dispersion aimed towards the front.

The aluminium suspension system provides 0° - 10° of adjustment to achieve the ideal positioning. V5 are connected through two NL4MP 4 pin speaker patch cables in an array.

The cabinets are finished in a special elastic effect hard wearing paint, and are further protected with a tough grille. The matching V5S LF passive cabinet uses the same small footprint cabinet shape as the smaller V5 HF/MF unit. The V5S features two 10" high power LF drivers with 2.6" voice coils. The vented horn design further improves the already high efficiency.

If you choose the active sub bass the V5SA to drive your system, then you will benefit from all the features of the V5S, but also have your sound amplified through the built in linear amplifier with DSP audio processing, to perfectly match your signal to the cabinets.



## V5 2 x 5" PASSIVE HF/MF ENCLOSURE

- Superior quality 2 x 5" MF drivers
- 44mm compression driver
- Ultra compact with durable finish
- Fully adjustable aluminium suspension system available



## V5S 2 x 10" PASSIVE LF ENCLOSURE

- 2 x 10" LF drivers using vented horn design to improve efficiency
- Large 2.6" voice coils to deliver consistent high power
- Ultra compact with durable finish
- Adjustable suspension system and convenient scoop handles



## V5SA 2 x 10" ACTIVE LF ENCLOSURE

- 2 x 10" LF drivers using vented horn design to improve efficiency
- High power amplifier built in with intelligent protection
- DSP audio processing built in to perfectly match your sound
- Designed to be compatible with V5 passive HF/MF enclosure

## Specification

	V5	V5S	V5SA
MAX SPL <sup>1</sup> PEAK <sup>2</sup>	MF 116dB / HF 127dB MF 400W / HF 200W	130dB 1000W	130dB POWER 750W+750W
PGM RMS	MF 200W / HF 100W MF 100W / HF 50W	500W 250W	- -
WEIGHT	11kg	31kg	33kg
Cabinet type	2-way passive line array	passive line array woofer	active line array woofer
Frequency response	60Hz - 20kHz (-10dB) 80Hz - 18kHz (+/-3dB) MF 90dB / HF 104dB	50Hz - 350Hz (-10dB) 55Hz - 300Hz (+/-3dB) 97dB	50Hz - 350Hz (-10dB) 55Hz - 300Hz (+/-3dB) 0dBu
Sensitivity 1W@1m Coverage (H x V)	90 x 10 degree	-	-
MF/LF Driver	2 x 5" / 25mm VC	2 x 10" / 65mm VC	2 x 10" / 65mm VC
HF Driver	1 x 1.75" / 44mm VC	-	-
Impedance	MF 16 ohm / HF 16 ohm	4 ohm	LF AMP + 4 x 4 ohm output for MF/HF
Crossover frequency	80Hz / 1.7kHz	80Hz	DSP controlled
Vertical spread angle	0-10 degree (2 degree step)	-	-
Dimensions (W x H x D)	483 x 171 x 300mm	483 x 410 x 623mm	483 x 410 x 680mm

1- 1m, free sound field  
2- IEC filtered noise with a peak factor of 6dB

SUGGESTED SETUP CONFIGURATION	V5 +V5S	V5 +V5SA
	8 V5 Line Array Element	8 V5 Line Array Element
	2 V5S Passive Subwoofer	2 V5SA Active Subwoofer
	1 AC3611 3 In 6 Out Speaker Processor	2 Suspension Rack
	1 HX2-700 2x350w Power Amplifier For HF	
	1 QX2-2000 2x1000w Power Amplifier For MF	
	1 QX2-2000 2x1000w Power Amplifier For LF	

# V6 Series



## 6.5" ACTIVE / PASSIVE ARRAY

Active line array systems tend to be heavy, bulky and prone to damage if used in rentals or live touring conditions.

The V6 6.5" MF/HF cabinet is made from durable but hard wearing reinforced PP composite material giving it superior weight advantages.

Built in high performance power amplifier, DSP control and powerful twin 6.5" drivers with 38mm voice coils. The 3" neodymium HF driver has a 74mm voice coil, giving the V6A MF/HF enclosure up to 130dB SPL.

### REINFORCED

Both the V6A MF/HF and V6SA LF enclosures have independent high performance power amplification in each cabinet, providing the power at the place you want it, without long cables or separate amplifiers. The cabinets also include thru power and signal connectors, so for each stack only one main power cable needs to be supplied.

The built-in DSP on every cabinet gives you full control of your system, with crossover points, EQ, threshold, time, delay and volume control. Either use the display and encoder on the rear panels, or connect your laptop through the RS485 connection to give you remote adjustment.

### DSP CONTROL

The V6SA LF unit designed to work with the V6A features a single high performance 15" driver with a large 4" / 100mm voice coil capable of handling the 1200W power amplifier built in to the enclosure.

Like the V6A, the LF unit includes built in DSP to make tuning and setting up your system as easy as possible.



## V6A 2 x 6.5" ACTIVE MF/HF ENCLOSURE

- 2 x 6.5" MF drivers with 38mm voice coils
- 1 x 3" voice coil neodymium HF drivers
- Reinforced composite PP enclosure
- Built-in 550W power amplifier and DSP for total control
- High performance 130dB SPL
- 100 x 10 degree coverage angle



## V6SA 1 x 15" LF ENCLOSURE

- High performance 1 x 15" LF driver with 4" / 100mm voice coil
- High performance 130dB SPL
- Convenient scoop handles
- Adjustable suspension system available

## Specification

	V6A	V6SA	V6	V6S
MAX SPL <sup>1</sup>	130dB	130dB	132dB	131dB
AMP POWER <sup>2</sup>	MF 400W / HF 150W	1200W	MF 400W / HF 150W	800W
WEIGHT	15kg	41kg	13kg	37kg
Cabinet type	2-way active line array	active line array woofer	2-way passive line array	passive line array woofer
Frequency response	70Hz - 20kHz (-10dB)	40Hz - 150Hz (-10dB)	70Hz - 20kHz (-10dB)	40Hz - 150Hz (-10dB)
Coverage (H x V)	100 x 10 degree	-	100 x 10 degree	-
Sensitivity (1W@1m)	0dBu	0dBu	100dB	96dB
Impedance	-	16 ohm	8 ohm	8 ohm
LF Driver	-	1 x 15" / 100mm VC	-	1 x 15" / 100mm VC
MF Driver	2 x 6.5" / 38mm VC	-	2 x 6.5" / 38mm VC	-
HF Driver	1 x 3" / 74mm VC	-	1 x 3" / 74mm VC	-
DSP	gain, EQ, crossover, delay, threshold	gain, EQ, crossover, delay, threshold	-	-
Crossover frequency	DSP controlled	DSP controlled	-	-
Vertical splay angle	0-10 degree (1 degree step)	-	0-10 degree (1 degree step)	-
Dimensions (W x H x D)	470 x 207 x 341mm	474 x 506 x 673mm	470 x 207 x 341mm	474 x 506 x 673mm

1- 1m, free sound field  
2- IEC filtered noise with a peak factor of 6dB

## SUGGESTED SETUP CONFIGURATION

### V6A + V6SA

- 4 V6A Line Array Element
- 2 V6SA Passive Subwoofer
- 1 SM46 Self-Adaptive Sound Field Processors
- 1 AC3611 3 In 6 Out Speaker Processor
- 1 DIGITRACK18 Digital Mixer

### V6 + V6S

- 4 V6 Line Array Element
- 2 V6S Passive Subwoofer
- 1 SM46 Self-Adaptive Sound Field Processors
- 1 AC3611 3 In 6 Out Speaker Processor
- 1 DIGITRACK18 Digital Mixer
- 1 DQX4-6000 Power Amplifier

# V8 Series



## 8" PASSIVE ARRAY

V8 line array speaker is a 2 way system, supplying a frequency scope of 65Hz-20kHz, the design of the cabinets produce a smooth frequency and phase response. Two 44mm tweeter compression units and two 8" bass units form a middle /high frequency system, which supplies a high SPL/volume ratio.

The Mid / Low frequency of V8 utilizes two 150W 8" paper cone bass units fitted with a specially designed acoustic mesh cover, which can prevent interference and optimize the middle frequency directivity. The High frequency utilizes two 44mm compression drivers. These decrease greatly the HF comb-filtering and enhances the sound articulation for long distances.

The V8 cabinet is ladder-shaped, featuring a precise aluminium hanging system. The connection angles between cabinets can be adjusted between 0°- 6° to meet the requirement for different locations.

The cabinet surface feature wear-resistant black galaxy paint. Large scoop carry handles, and Neutrik NL4 connectors on all cabinets complete the features.



## V8 2-WAY PASSIVE MF/HF ENCLOSURE

- 2 x 8"(203mm) / 2" voice coil
- 2 x 1.75" (44mm) neodymium compression driver
- Ultra compact with durable finish
- Fully adjustable aluminium suspension system available



## V8S PASSIVE LF ENCLOSURE

- 2 x 15"(388mm) / 4" voice coil
- Large 2.6" voice coils to deliver consistent high power
- Ultra compact with durable finish
- Adjustable suspension system and convenient scoop handles



## TRX218S 2x18" PASSIVE SUBWOOFER

DESIGNED FOR V5, V6, V8 SYSTEMS

It is a subwoofer that brings surging and powerful bass to the system. While it is added for more low end, the TRX218S is the main woofer and the V8S becomes the subwoofer, greatly enhancing the system sound reinforcement effect.

## Specification

	V8	V8S
MAX SPL <sup>1</sup> PEAK <sup>2</sup>	MF 128dB / HF 135dB MF 1200W / HF 320W	137dB 4000W
PGM RMS	MF 600W / HF 160W MF 300W / HF 80W	2000W 1000W
WEIGHT	30kg	64kg
Cabinet type	2-way passive line array	passive line array woofer
Frequency response	65Hz - 20kHz (-10dB) / 80Hz - 18kHz (+/-3dB) MF 97dB / HF 110dB	40Hz - 500Hz (-10dB) / 45Hz - 400Hz (+/-3dB) 101dB
Sensitivity 1W@1m	90 × 6 degree	-
Coverage (H × V)	2 × 8" / 50mm VC	2 × 15" / 100mm VC
MF/LF Driver	2 × 1.75" / 44mm VC NdFeB	-
HF Driver	MF 16 ohm / HF 16 ohm	4 ohm
Impedance	300Hz / 2kHz	300Hz
Crossover frequency	0-6 degree (1 degree step)	-
Vertical spread angle	743 × 276 × 440mm	743 × 554mm × 703mm
Dimensions (W × H × D)		

1- 1m, free sound field  
2- IEC filtered noise with a peak factor of 6dB

## SUGGESTED SETUP CONFIGURATION

	V8 +V8S +TRX218S
8 V8 Line Array Element	1 QX2-1300 2x650w Power Amplifier For V8 : HF
2 V8S Line Array Subwoofer	1 QX2-3000 2x1500w Power Amplifier For for V8 : MF
4 TRX218S 2x18" Passive Sub Cabinets	1 QX2-3000 2x1500w Power Amplifier For for V8S : LF
1 AC48II 4 In 8 Out Speaker Processor	2 QX2-4000 2x2000w Power Amplifier For TRX218S Sub

# V10 Series



## 10"

### ACTIVE / PASSIVE ARRAY

- Compact design with a high performance versus cost ratio, high SPL, superb intelligibility, low distortion and a flexible configuration.
- Two-way linear sound dispersion technique to provide clear rich sounds.
- Low/medium frequency driver with ultra low distortion to give high performance with a wide dynamic range.
- Custom high quality titanium and neodymium HF compression driver.
- Super Hi-Fi sound from the flat phase response.
- Birch plywood cabinet coupled with CNC routed slotted structure to give a great sound and extreme strength and rigidity.
- Hard wearing water based surface treatment, to give a long lasting weatherproof finish.
- Intelligent fast fixing suspension system.

The new V10 compact line array system, comprising 2 x 10" Mid/Tops, 2 x 15" Low mids to form your array, and 2 x 18" Sub bass cabinets to complete the system, and is available in both active and passive variants.

The V10 system, features very high SPL levels, with peak SPL in excess of 138dB on the passive sub cabinets.

The V10 active models feature not only high power lightweight CLASS D amplifier modules along with durable power supply units, but also each cabinet is equipped with a comprehensive 56bit 96kHz DSP, featuring gain, crossover, phase, delay, unique limiting, and three useful default program settings.

Components used are high performance, to ensure long life and be able to continually provide the professional power levels required for a system of this calibre. With titanium and neodymium components, and the 18mm birch plywood cabinet, the result lets these cabinets stand out of the competition.



## V10 2X10" PASSIVE HF/MF ENCLOSURE

- Superior quality 2 x 10" MF drivers
- 44mm compression driver on V10, 34mm on V10A
- High SPL for maximum reach
- Fully adjustable suspension rack available



## V10S PASSIVE LF ENCLOSURE

- 2 x 15" LF drivers using vented horn design to improve efficiency Large 4" voice coils to deliver
- consistent high power
- Durable finish
- Adjustable suspension system and convenient

## Specification

	V10	V10S	V10A	V10SA
MAX SPL <sup>1</sup> PEAK <sup>2</sup>	137dB MF 2800W / HF 320W	139dB 5600W	136dB LF 1000W / HF 150W	132dB 1500W
PGM RMS	MF 1400W / HF 160W MF 700W / HF 80W	2800W 1400W		
WEIGHT	28kg	79kg	34kg	44kg
Cabinet type	2-way passive line array	passive line array woofer	2-way active line array	active line array woofer
Frequency response	70Hz - 20kHz	35Hz - 500Hz (-10dB) / 40Hz - 400Hz (+/-3dB)	60Hz - 22kHz (-10dB) / 70Hz - 18kHz (+/-3dB)	32Hz - 400Hz (-10dB) / 35Hz - 300Hz (+/-3dB)
Sensitivity 1W@1m	MF 102dB / HF 110dB	101dB	0dBu	0dBu
Coverage (H x V)	120 x 10 degree	-	120 x 10 degree	-
MF/LF Driver	2 x 10" NdFeB	2 x 15" / 100mm VC	2 x 10"	1 x 18"
HF Driver	2 x 1.75" / 44mm VC NdFeB	-	2 x 1.34" / 34mm VC	-
Impedance	MF 8 ohm / HF 16 ohm	4 ohm	0-10 degree (1 degree step)	-
Crossover frequency	-	200Hz	810 x 290 x 490mm	810 x 560 x 820mm
Vertical spread angle	0-10 degree (1 degree step)	-		
Dimensions (W x H x D)	810 x 290 x 490mm	810 x 560 x 820mm		

1- 1m, free sound field  
2- IEC filtered noise with a peak factor of 6dB

## SUGGESTED SETUP CONFIGURATION

16 V10 Line Array Element	2 AC48II Processor
4 V10S Line Array Subwoofer	8 QX4-8000 Amplifier
12 V218S 2x18" Subwoofer	2 Suspension Rack

V10  
+V10S  
+V218S



# SUBS Series

## 2 x 18" PASSIVE SUB BASS CABINETS



## V218S

### DESIGNED FOR V10/V310 SYSTEMS

It is a subwoofer that brings surging and powerful bass to the system. While it is added for more low end, is the main woofer and the V310S becomes the subwoofer, greatly enhancing the system sound reinforcement effect.

## TRX218S

### DESIGNED FOR V5, V6, V8 SYSTEMS

It is a subwoofer that brings surging and powerful bass to the system. While it is added for more low end, the TRX218S is the main woofer and the V8S becomes the subwoofer, greatly enhancing the system sound reinforcement effect.

## Specification

	TRX218S	V218S
MAX SPL <sup>1</sup> PEAK <sup>2</sup>	137dB 4800W	138dB 8000W
PGM RMS	2400W 1200W	4000W 2000W
WEIGHT	84kg	83kg
Cabinet type	passive line array subwoofer	passive line array subwoofer
Frequency response	33Hz - 150Hz	32Hz - 200Hz
Sensitivity 1W@1m	100dB +/-3dB	99dB +/-3dB
LF Driver	2 x 18" / 4" VC	2 x 18" / 4" VC
Impedance	4 ohm	4 ohm
Crossover frequency	-	100Hz
Dimensions (W x H x D)	1200 x 520 x 700mm	1115mm x 595mm x 758mm

1- 1m, free sound field  
2- IEC filtered noise with a peak factor of 6dB

# The Installation Speaker

Studiomaster | 39-52



# INSTA Series



**INSTA CUBE4**  
+  
**INSTA SUB8/8A**

**The INSTA Series** is applicable in a variety of settings, from exhibition halls to shopping malls, from restaurants to bars, and even has wider applications. It delivers sound from above with minimal obstruction, reproducing environmental sounds perfectly.



## KEY Features

- **4" point source** 2-way coaxial passive system
- HF Diaphragm with **PEEK composite sound film**
- **Aluminium FLAT WIRE** voice coil
- **Neodymium** magnets on LF and HF
- Special **sound transmission wadding** inside
- Stretched **aluminium enclosure**
- Tough **steel front grille**
- **M10 fixing** points on 4 sides
- Available in **8 ohm or 16 ohm** versions
- **Black or White** enclosures available

## INSTA CUBE4

### 4" COAXIAL MINIATURE SPEAKER

The new miniature INSTA CUBE4 4" coaxial loudspeaker is designed for multiple nearfield applications. The wide 80° x 80° dispersion from the custom coaxial components ensure a balanced coverage at any frequency.

Impressive power and style come together to give you 100W (RMS) of responsive power from the custom designed neodymium coaxial driver with a 35mm voice coil on the 4" LF and a 34mm diaphragm HF driver.

Connection is easy with either 4 pole speaker connectors or Phoenix connection. Both connections feature input and link output facility.

You can choose different rigging solutions with the choice of using the included "U bracket" which allows secure angle adjustment, or utilise the M10 flying points on each side to suit your installation, or even install directly on a microphone stand.

The enclosure is made of aluminium giving a quality look, feel and long lasting reliability, finished with a tough steel grille to protect your equipment.

INSTA CUBE4 are available in both 8 and 16 ohm versions and in either black or white finish.

### Specification

Type	Passive 2-way coaxial loudspeaker
Frequency response(-10dB)	100Hz - 20kHz
Rated Power	100W (RMS) / 400W (peak)
Nominal impedance	8 ohm or 16 ohm versions
Max SPL (@1m)	113dB (peak)
Coverage (H x V)	80° x 80°
LF Transducer	4" / Φ35mm voice coil / 100W Neodymium magnet
HF Transducer	1.3" / Φ34mm voice coil / 20W Neodymium magnet
Sensitivity(1m@1W)	87dB
Connectors	2 x 4 pole speaker connectors 1 x 4 pole Phoenix connector
Dimensions (W x H x D)	145mm x 156mm x 143mm (including bracket)
Net weight	2.4kg

# INSTA Series

## INSTA SUB8A/SUB8

8" COMPACT BASS SPEAKER

The INSTA SUB8A is an ultra-compact 8" active subwoofer consisting of a  $\Phi 38$  8" LF unit.

It can be fixed or hidden under furniture for placement; Built in high-efficiency 3-way 400W/4 $\Omega$  "Class-D" power amplifier, 1 ultra-low way can be connected in parallel with a passive subwoofer Insta.

Sub8, and the other 2 ways are left and right main speakers that can be connected in parallel with up to 4 (8  $\Omega$ ) or 8 (16  $\Omega$ ) speakers in a total of 5 configurations; Built in DSP speaker processing module, with functions such as gain, crossover, equalization, and program memory; Supports Bluetooth 5.0 signal connection, etc.



### Specification

	INSTA SUB8A	INSTA SUB8
Type	8" active sub	Passive bass reflex sub loudspeaker
Frequency response(-10dB)	45Hz - 120Hz	45Hz - 150Hz
Rated Power	200W (RMS) / 800W (peak)	200W (RMS) / 800W (peak)
Nominal impedance	8 ohm	8 ohm
Max SPL (@1m)	114dB (peak)	114dB (peak)
Coverage (H x V)	80° x 80°	80° x 80°
LF Transducer	8" / $\Phi 38$ mm voice coil / 200W Ferrite magnet	8" / $\Phi 38$ mm voice coil / 200W Ferrite magnet
Sensitivity(1m@1W)	85dB	85dB
Connectors	2 x Binding posts	2 x Binding posts
Dimensions (W x H x D)	515 x 200 x 425mm (including bracket)	515 x 200 x 425mm (including bracket)
Net weight	17kg	12.5kg

## KEY Features

- 8" active subwoofer system ·
- 3x400W / 8" customized drive unit ·
- Supports wall and floor installation ·
- Built-in DSP module ·
- Aluminum modulation ring reduces magnetic distortion ·
- 15mm plywood cabinet ·
- Compact and powerful LF speaker design ·
- Black and white available ·
- Bluetooth 5.0 ·

## SUGGESTED SETUP CONFIGURATION

### Option 1



### Option 2



# AREA Series

## 3" COLUMN SPEAKER SYSTEM

AREA series all-weather column speakers use high quality 3" neodymium magnet full-range drivers arranged in a compact form to produce a wide frequency response, high definition, wide horizontal coverage and long radiation distance.

High SPL can be achieved from the small format, reducing weight and improvng aesthetics. Perfect for use indoors or outdoors in public aresas,shopping malls, exhibition halls, conference rooms, houses of worship and anywhere the sound quality of speech and background music is required.

### Features

- ALUMINIUM ALLOY CASING
- 3" NEODYMIUM FULL RANGE DRIVERS
- TOUGH METAL GRILLE
- ADJUSTABLE WALL BRACKET INCLUDED
- 70/100V LINE OR 8 OHM MODELS






### Accessories

- AREA31 / AREA32
- AREA34 / AREA38 / AREA312



**IP54**  
WATER RESISTANCE  
MODELS AVAILABLE  
IN ALL SIZES

## Specification

					
	<b>AREA31</b>	<b>AREA32</b>	<b>AREA34</b>	<b>AREA38</b>	<b>AREA312</b>
Type	1 × 3"	2 × 3"	4 × 3"	8 × 3"	12 × 3"
Frequency response (-10dB)	130Hz-20kHz	130Hz-20kHz	130Hz-20kHz	130Hz-20kHz	130Hz-20kHz
Rated Power	30W(continue) 120W(peak)	60W(continue) 240W(peak)	120W(continue) 480W(peak)	240W(continue) 960W(peak)	360W(continue) 1440W(peak)
Nominal impedance	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm
Max SPL (@1m)	108 dB (peak)	114 dB (peak)	120 dB (peak)	126 dB (peak)	130 dB (peak)
Coverage (H × V)	100° × 100°	100° × 40°	100° × 30°	100° × 20°	100° × 20°
Transducer	Φ20mm voice coil/ 30W/8 ohm	Φ20mm voice coil/ 30W/8 ohm	Φ20mm voice coil/ 30W/8 ohm	Φ20mm voice coil/ 30W/4 ohm	Φ20mm voice coil/ 30W/4 ohm
Sensitivity (1m@1W)	87dB	90dB	93dB	96dB	96dB
Audio Transformer Power	20W/10W/5W	20W/10W/5W	120W/60W/30W	120W/60W/30W	120W/60W/30W
Connectors	1 × PHOENIX (4P)	1 × PHOENIX (4P)	1 × PHOENIX (8P)	1 × PHOENIX (8P)	1 × PHOENIX (8P)
Dimensions (W × H × D)	118 × 122 × 121mm	118 × 190 × 121mm	118 × 400 × 121mm	118 × 682 × 121mm	118 × 1006 × 121mm
Net weight	1.1kg	1.6kg	2.9kg	4.9kg	6.9kg

\*The fixed resistance and fixed voltage versions are available in all sizes upon demand.

# XLIM Series

## Active 2-way column speaker

The new XLIM series active speaker developed by Studiomaster has built-in professional digital DSP, power amplifier and other technologies, replacing the traditional speaker connected with a variety of complex devices.

Performance parameters have been set to various modes based on real scenarios, and users only need a simple power cord to work properly.

This XLIM active (DSP) speaker is tailored for LED displays and provides the best solution for all LED screens.

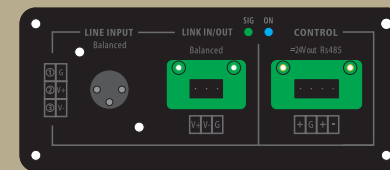
This product is suitable for large, medium and small rooms, churches, classrooms, stations, exhibition halls and other occasions, especially ideal for all LED displays with quality sound of deeper bass and fine-grained intelligibility.

## Technological Innovation

- Active speaker shipped with built-in DSP module .
- Supports automatic matching of audio parameters under presets Clear voice, large dynamic range.
- SMPS With high power, low distortion and excellent sound quality.
- Light weight, stable performance, 100V~240V wide power input.



DSP and  
Built-in power  
amplifier  
module



## Specification

### XLIM135 / XLIM163

Model	XLIM135/XLIM163
Frequency range(-10dB)	65Hz-20kHz
Power	240W (RMS) / 960W(Peak)
Amp power	640W/8 ohm
Max SPL(@1m)	121dB(peak)
Input voltage	100-240V
Coverage (H × V)	120° × 30°
LF unit	6 × 3" Nd magnet full-range/φ25mm vc/ 30W/ 8 ohm
HF unit	1 × 1" HF compression driver/φ25mm vc/ 10W/ 8 ohm
Connection	/
Dimension (W × H × D)	118*1835*128mm/ 118*2172*128mm
Net weight	12.8kg/14.3kg

## ▼ Accessory bracket



# IS Series

## PASSIVE COAXIAL CEILING SPEAKER

IS SERIES comes in four sizes enclosed in both round and square shape for all kinds of openings in the ceiling, bringing minimum visual obstruction but not compromise in sound.

### Technological Innovation

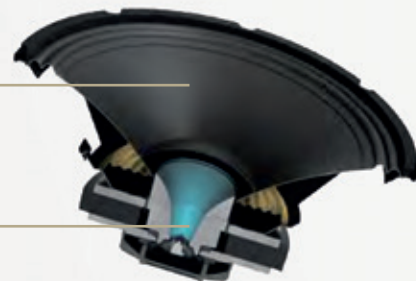
- The horn unit is designed to form directional waves from point-source coaxial driver.
- Various flying kits are devised for easy installation and conformity to style of room decors.
- The cabinet with sleek surface is made of ABS reinforced material by one-time injection molding, with simple processing and clean appearance.
- The horn devices are supplied from premium brand, with high power and high sensitivity, which are very suitable for indoor sound reinforcement.
- The chassis and tweeter are neodymium magnetic circuit, which ensures its high sensitivity, small distortion, high efficiency and light weight.
- The grill shape can either be circles or square aligning with style of room decor.

### TRUE POINT SOURCE Dual sound sources on-axis

- Driver unit with linear directivity

Two drive units are completely combined into one

Sound energy spreads out along the axis of the midrange cone



All models are available in square and round shape



Installed in ceiling openings




With telescopic spacer-bar

Min. length 300mm  
Max. length 500mm  
4-step adjustments  
50mm for each step



### Specification

				
	<b>IS4CR   IS4CS</b>	<b>IS5CR   IS5CS</b>	<b>IS6CR   IS6CS</b>	<b>IS8CR   IS8CS</b>
Material of Enclosure	ALUMINUM	ALUMINUM	PLASTIC	PLASTIC
Type	4" 2-WAY	5" 2-WAY	6.5" 2-WAY	8" 2-WAY
Frequency response (-10dB)	85Hz-20kHz	75Hz-20kHz	75Hz-20kHz	68Hz-20kHz
Sensitivity (1m@1W)	85dB	90dB	92dB	94dB
Power (AES)	100W	120W	150W	250W
Max SPL	111dB(peak)	117dB(peak)	120dB(peak)	124dB(peak)
Nominal impedance (Fixed Resistance Version)	8 ohm	8 ohm	8 ohm	8 ohm
Input voltage (Fixed Voltage Version)	70V/100V	70V/100V	70V/100V	70V/100V
Coverage (H × V)	100° × 100°	80° × 80°	90° × 90°	90° × 90°
Crossover	2.0kHz	2.0kHz	2.2kHz	2.2kHz
LF Driver	4" LF 33mm VC/100W	5" LF 35mm VC/100W	6.5" LF 52mm VC/150W	8" LF 65mm VC/250W
HF Driver	36mm VC/ Nd magnet/25W	34mm VC/ Nd magnet/20W	25mm VC/ Nd magnet/15W	37mm VC/ Nd magnet/30W
Connectors	4-pin termina	4-pin termina	4-pin termina	4-pin termina
Dimensions(W × H × D)	Φ200 × 145 187 × 187 × 145	Φ295 × 199 240 × 240 × 199	Φ290 × 257 244 × 244 × 257	Φ343 × 262 282 × 282 × 262

\*The fixed resistance and fixed voltage versions are available in all sizes upon demand.

# IS6AC Series

## 6.5" TWO-WAY PASSIVE COAXIAL CEILING SPEAKER

IS6AC is a passive coaxial injection moulded ceiling speaker.

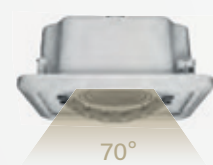
It consists of 5 x 1" neodymium magnetic dome tweeter arranged in a coaxial arc array over 1 x 6.5" neodymium magnetic MF/HF driver to form a combination with great headroom.

Positioning of sound image is more accurate, reducing the reflection of the wall and the floor, and the sound field is evenly covered.

It can be fixed by visible mounting beneath ceiling or half-hidden top latch fixed. Which can be perfectly applied to various indoor sound reinforcement occasions.

### Technological Innovation

- Patented design by independent innovation.
- The cabinet is made of reinforced injection moulded with aesthetic appearance.
- The horn is made of imported materials, and the tweeter adopts HiFi grade neodymium magnetic dome to bring high fidelity sound quality.



Both  
constant-voltage  
version and  
constant-impedance  
version are  
available upon  
request

### ► Accessory bracket



### Specification

	IS6AC	IS6ACT
Frequency response(-10dB)	60Hz-20KHz	60Hz-20KHz
Sensitivity(1w@1m)	89dB	89dB
Rated impedance	8 ohm	/
Rated power	120W	120W
Input voltage	/	70V/100V
Coverage(H x V)	100° x 70°	100° x 70°
Max SPL(@1m)	116dB	116dB
Chassis	1 x 6.5" / Φ38mm voice coil neodymium magnetic / 120W / 8 ohm	1 x 6.5" / Φ38mm voice coil neodymium magnetic / 120W / 8 ohm
Tweeter	5 x 1" / Φ25mm voice coil neodymium / 10W / 2 ohm	5 x 1" / Φ25mm voice coil neodymium / 10W / 2 ohm
Dimensions(W x H x D)	330 x 391 x 220mm	330 x 391 x 220mm
Net weight	5.0kg	5.9kg

### ▼ Accessory bracket

- Lightweight aluminium profile
- Adjustable length
- Suitable options for different room heights
- Fixed grill with self-locking
- Rotate speakers until self-locking in position

	DB097-1	DB097-2	DB097-3
Adjustable height range	200-300(mm)	300-500(mm)	500-900(mm)
Adjustable pin holes	5(pcs)	5(pcs)	5(pcs)
Height for each pin holes	100(mm)	100(mm)	100(mm)
Load capacity	≤25KG	≤25KG	≤25KG
Main shaft material	Φ41 x 1 Aluminum profile	Φ41 x 1 Aluminum profile	Φ41 x 1 Aluminum profile
Telescopic tube material	Φ35 x 1 Aluminum profile	Φ35 x 1 Aluminum profile	Φ35 x 1 Aluminum profile
Net weight	0.39kg	0.46kg	0.59kg
Gross weight	0.46kg	0.54kg	0.71kg
Inner box	120 x 120 x 210mm	120 x 120 x 315mm	120 x 120 x 515mm
Master carton	385 x 260 x 460mm(12PCS)	510 x 385 x 340mm(12PCS)	510 x 385 x 540mm(12PCS)



# CORE LINE Series

## 3" CURVE COLUMN SPEAKER SYSTEM

The new CORE LINE is derived from acclaimed CORE 121/151, our unique all-in-one curve array system acclaimed by many a customers across MI and PA sectors. As integral as CORE 121/151 system serves as a self-contained portable system, we have creamed off the top part from it dedicatedly for system integration market of growing demand in sound quality and aesthetical installation.

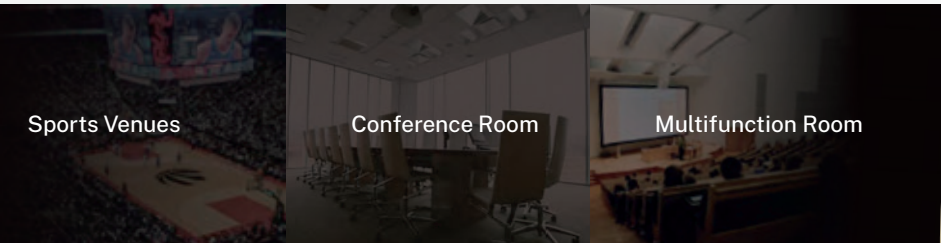
Driven by a sturdy arrangement consisting of 3 units of 5" MF and 9 units of 1" tweeter, the CORE LINE not only delivers a speech intelligibility in clear-cut layers, but also disseminates sound pressure evenly with its splay angle. What's more with CORE WALL MOUNT is an extensive range of angle adjustment both horizontally and vertically for no shadow area even in a hasty installation.

CORE LINE is considerably modified to connectors most universal for installation applications, that most engineers will intuitively get the work done with PHONIX connectors.

### Features

- MULTIPLE 1" DOME TWEETERS ARRAYS
- 100°(H) × 70°(V) COVERAGE
- 5" or 8" MID FREQ DRIVERS

### Application



It has the characteristics of wide frequency response, high definition, wide coverage angle and long radiation distance

### Specification

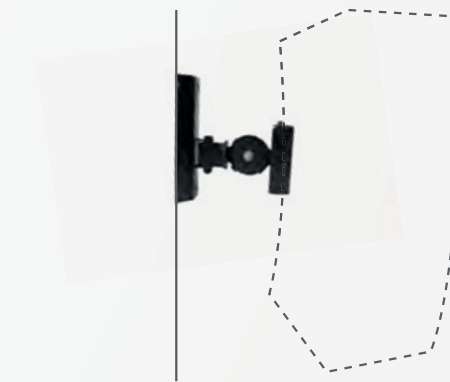
	CORE LINE121	CORE LINE151
Max SPL	124dB	126dB
LF transducer	MF 3 × 5" Neodymium full range driver	MF 3 × 8" Neodymium full range driver
HF transducer	HF 9x1" dome tweeter	HF 12 × 1" dome tweeter
Rated power	300W (RMS)	400W (RMS)
Coverage(H × V)	100° × 70°	100° × 70°
Dimension (W × H × D)	185 × 495 × 220mm (315mm max)	255 × 670 × 285mm (450mm max)
Net weight	8kg	11.5kg

### Accessory bracket

Up and down adjustment range  
(Up **18°**, Down **40°**)



Installation Diagram



# Speaker Cabinets

StuDiomaster | 53-66



# DIRECT Series



## COMPACT VERTICAL ARRAY SYSTEMS

The self-powered all-in-one solution is an ultra-compact, powerful vertical array system for versatile use. DIRECT includes 6 x 3" mid frequency transducers for perfect clarity of instruments and sound. The 1" high precision driver delivers dynamic and clear highs. The subwoofer is featured by one professional 10" or 12" transducer for well-defined lows.

The on-board 4-channel mixer enables for a wide range of applications. Connecting microphones, instruments, players or even wireless bluetooth streaming sources: DIRECT is ready for it. The built-in DSP with it's graphic display upgrades your sound to high definition audio quality.

To extend the applications of this user-acclaimed original, one of its variant, DIRECT MX is upgraded with wooden sub enclosure and adjustable reverb effects. But this is not the end where we find all-in-one concept is fully carried out, so the second variant of DIRECT complements the products family by designing double wireless microphones into the very sophisticated panel in DIRECT MW.

### Features

- Self-powered 3-way system for high definition sound (122 dB max.)
- 6 x 3" plus 1 x 1" precision transducers
- 120° x 30° ultra wide sound coverage (H x V)
- Class-D amplifier modules for low distortion and excellent sound, powerful SMPS (100 V - 240 V)
- Extensive 4-channel mixer 2 x MIC/LINE input (adjustable), 1 x RCA stereo input, 1 x Hi-Z instrument input, 2 x XLR line output, 1 x SUB LEVEL controller for quick access
- Powerful 24-bit DSP with display, ONE CONTROL encoder, storable presets, digital gain control, high-pass filter, delay, dual-channel limiter and equalization
- Digital delay for delay zones up to 100 m (in steps of 0.25 m)

## DIRECT 101

6 x 3"+1 x 1" ARRAY HF/MF  
10" BASS REFLEX SUB  
2400W (peak)  
600W (RMS) POWER

## DIRECT 121

6 x 3"+1 x 1" CURVE ARRAY HF/MF  
12" BASS REFLEX SUB  
2400W (peak)  
600W (RMS) POWER

### Features



Full-range column speaker /  
Height-adjustable column

Plug and Play  
The whole system features  
internal automatic  
connections.

Set up within seconds.

**120° x 30°**

Advanced coverage (H x V)  
to reach the whole audience

**6** x 3" mid frequency  
transducers

**1** x 1" high frequency  
precision driver



# DIRECT MX/DIRECT MW

## DIRECT 101MW/121MW

### VERTICAL ARRAY SPEAKER

MF	6 x 3" mid-range speaker
HF	1 x 1" compression driver
Coverage(H x V)	120° x 30°
Rated Power	180W(RMS)
Rated Impedance	6 ohm
Dimension (W x H x D)	108 x 835x 98mm

### Optional

#### PROTECTIVE BAG

DIRECT vertical speaker & height adjustment column



#### TROLLEY CASE

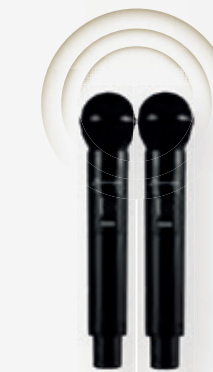
DIRECT SUBWOOFER (ALL MODELS)



### Specification

	DIRECT 101MW/121MW AMPLIFIER	
Rated Power	2 x 300W RMS	
Frequency range	20Hz-20kHz	
DSP connection	24bit(1in-2out)	
	DIRECT 101MW SUB	DIRECT 121MW SUB
Speaker type	1x10" transducer	1x12" transducer
Rated Power	250W(RMS)	300W(RMS)
Rated Impedance	4 ohm	4 ohm
Dimension (W x H x D)	358 x 616 x 447mm	358 x 646 x 447mm
Net Weight	21kg	23kg
	DIRECT 101MW/121MW MIXER	
Inputs	<b>4 channels</b> (2 x Mic/Line, 1 x RCA, 1 x Hi-Z)	
Input connectors	<b>1-2#:</b> XLR/6.35mm jack combo <b>3#:</b> 6.35mm jack unbalanced TRS <b>4#:</b> 1 x RCA jack(stereo)	
Input impedance	<b>1-2# MIC:</b> 10k ohm balanced <b>1-2# LINE:</b> 10k ohm balanced <b>3#:</b> 470k ohm unbalanced <b>4#:</b> 10k ohm unbalanced	
Output connector	<b>1-2#:</b> Line Link: XLR <b>3#:</b> Mixout: XLR	
	DIRECT 101MW/121MW SIDE	
Output power	2 x 300M	
Frequency power	20Hz-20kHz	

### ▼ Dual-channel UHF handheld microphone



<b>Frequency range</b>	470Hz-960MHz
<b>Frequency stability</b>	< +/-15ppm
<b>Delay</b>	< 3ms
<b>Frequency response</b>	50Hz-15kHz
<b>Receive sensitivity</b>	< -105dBm
<b>Receive distance</b>	30m(outdoor direct distance)

- Using traditional FM modulation technology, it has excellent RF and audio performance. The transmission delay is small, the transmission distance is long, and the product performance is stable.
- Receiving module selects frequency points through wireless overhead coding, 100 adjustable frequency points.
- Handheld can save battery power by automatically turning off the handheld by detecting external sound and keeping it in a quiet and silent environment for more than 10 minutes.

# CORE Series



## 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

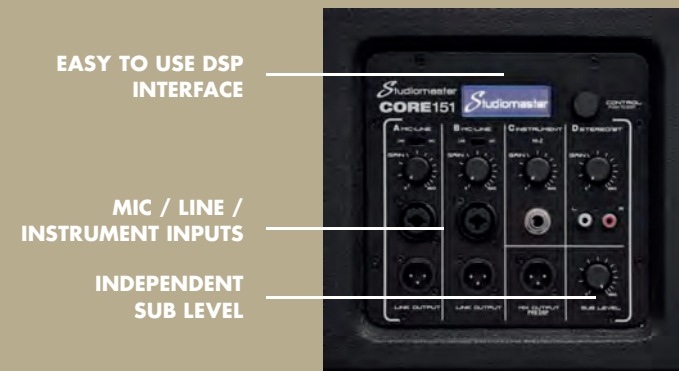
The new CORE system from Studiomaster uses a specially designed curved array to provide a controlled and highly effective sound diffusion.

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!

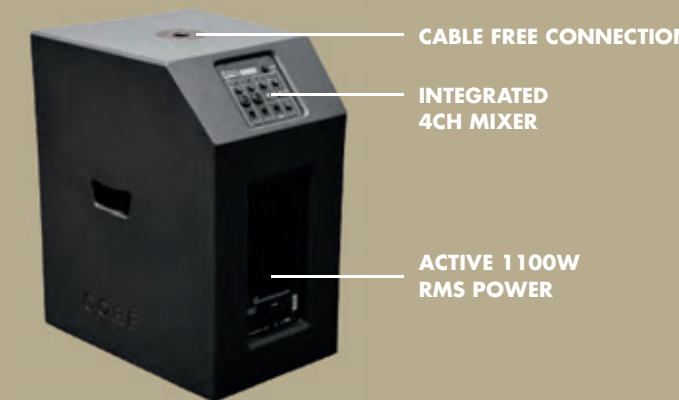
Truly an ALL-IN-ONE system. Perfect for any performance.



EASY TO USE DSP  
 INTERFACE

MIC / LINE /  
 INSTRUMENT INPUTS

INDEPENDENT  
 SUB LEVEL



CABLE FREE CONNECTION

INTEGRATED  
 4CH MIXER

ACTIVE 1100W  
 RMS POWER

### Specification

	CORE 121 CURVE ARRAY	CORE 151 CURVE ARRAY
Speaker MF	3x5" Neodymium full range driver	3x8" Neodymium full range driver
Speaker HF	9x1" dome tweeter	12x1" dome tweeter
Rated power	300W (RMS)	400W (RMS)
Coverage	100° (h) x 55° (v)	100° (h) x 55° (v)
Dimension	185 x 495 x 220mm (315mm max)	255 x 670 x 285mm (450mm max)
Net Weight	8kg	11.5kg
	CORE 121 SUB	CORE 151 SUB
Speaker	1x12" low frequency driver	1x15" low frequency driver
Rated power	700W (RMS)	700W (RMS)
Amplifier power	700W (LF) + 300W (MF/HF) (RMS)	700W (LF) + 400W (MF/HF) (RMS)
Max SPL	124dB	126dB
Frequency response	40Hz-18kHz	35Hz - 18kHz
Dimension (W x H x D)	405 x 590 x 470mm	485 x 725x 585mm
Net Weight	27kg	37.5kg
	CORE 121/151 MIXER	
DSP	24bit module with mode, EQ, limiter, delay and mix level control	
Inputs	2 x mic (XLR) / line (6.35mm jack) balanced 1 x instrument Hi-Z (6.35mm jack) 1 x stereo line (RCA phono) / Bluetooth®	
Output	2 x balanced line / link output (XLR) 1 x balanced line / link MIX output (XLR)	

# VORTEX Series

## 10" & 12" & 15" COAXIAL ACTIVE FULLRANGE SPEAKERS

A brand new range of 10", 12" and 15" active moulded speaker cabinets. Featuring high performance 1400W (peak) power amplifiers, and a unique coaxial speaker configuration, the VORTEX series are designed to perform and exceed your expectations and requirements for lightweight, portable PA cabinets.

VORTEX 10A/12A/15A  
active speaker cabinet

SPP2  
air suspension speaker pole  
(Optional)

VORTEX 15SA/18SA  
active sub bass cabinet

**3800W**  
POWER RATING

**10"/12"/15"**  
COAXIAL MF/HF

**15"/18"**  
SUB BASS

- COMPACT ACTIVE SYSTEM
- ADJUSTABLE POLE
- CONNECTING CABLE INCLUDED

## VORTEX 10A/12A/15A

10" & 12" & 15"  
COAXIAL ACTIVE  
FULL RANGE SPEAKERS

- BLUETOOTH INPUT
- 24BIT DSP
- 2 MIC/LINE INPUTS
- LINK OUTPUT
- 3.5MM LINE INPUT
- MULTIPLE CARRY HANDLES
- 1400W 2-WAY AMPLIFIER

- M10 FLYING POINTS
- DUAL 35mm  
TOP-HAT SOCKET (0°&10°)

MONITOR  
ANGLE  
80° X 80°

## Specification

	VORTEX 10A	VORTEX 12A	VORTEX 15A	VORTEX 15SA	VORTEX 18SA
MAX SPL	124dB	125dB	128dB	132dB	134dB
AMP PEAK	1400W	1400W	1400W	2400W	2400W
AMP PGM	700W	700W	700W	1200W	1200W
AMP RMS	350W(300+50)	350W(300+50)	350W(300+50)	600W	600W
Cabinet type	2-way coaxial active	2-way coaxial active	2-way coaxial active	15" active subwoofer	15" active subwoofer
Frequency response	55Hz-20kHz	50Hz-20kHz	50Hz-20kHz	43Hz-150kHz	45Hz-100kHz
Input sensitivity	0dBu	0dBu	0dBu	0dBu	0dBu
Coverage(H x V)	80° x 80°	80° x 80°	80° x 80°	-	-
LF Driver	10" / 50mm VC	12" / 65mm VC	15" / 65mm VC	15" / 75mm VC	18" / 75mm VC
HF Driver	34mm VC / 1" throat	34mm VC / 1" throat	34mm VC / 1" throat	-	-
Crossover frequency	2.2kHz	2.2kHz	2.2kHz	120Hz	120Hz
DSP-24bit	5 modes (music/live/dj/speech/monitor), 3 band EQ, delay, volume	5 modes (music/live/dj/speech/monitor), 3 band EQ, delay, volume	5 modes (music/live/dj/speech/monitor), 3 band EQ, delay, volume	Low cut / delay / volume	Low cut/ delay/ volume
Connection	2 x XLR / JACK input+3.5mm XLR output	2 x XLR / JACK input+3.5mm XLR output	2 x XLR / JACK input+3.5mm XLR output	2 x balanced XLR input 2 x balanced XLR output	2 x balanced XLR input 2 x balanced XLR output
Mounting	Dual top-hat, 5x M10 flying points	Dual top-hat, 5x M10 flying points	Dual top-hat, 5x M10 flying points	-	-
Dimension (W x H x D)	310 x 515 x 280mm	360 x 585 x 310mm	410 x 660 x 350mm	460 x 580 x 580mm	530 x 682 x 610mm
Net Weight	12.5kg	15.5kg	19kg	31kg	35kg

## SUGGESTED SETUP CONFIGURATION

### VORTEX 10A+15SA

- 2 VORTEX 10A Active Speaker Cabinet
- 2 VORTEX 15SA Active Sub Bass Cabinet
- 1 CLUB XS6+ Analogue Consoles
- 1 SPP2 Air suspension speaker pole
- 1 2M 3-pin XLR-XLR Cable

### VORTEX 12A+18SA

- 2 VORTEX 12A Active speaker cabinet
- 2 VORTEX 18SA Active sub bass cabinet
- 1 CLUB XS6+ Analogue Consoles
- 1 SPP2 Air suspension speaker pole
- 1 2M 3-pin XLR-XLR Cable

# VENTURE Series

## KEY Features

15MM **PLYWOOD** CONSTRUCTION

**MULTIPLE M10** FLYING POINTS

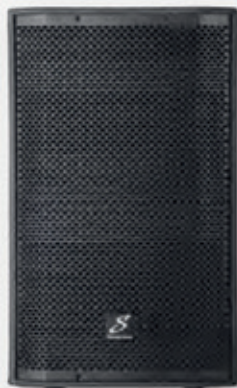
**35MM TOP HAT** FOR STAND MOUNT

**HARDWEARING** PAINT FINISH

RECESSED **CARRY** HANDLES

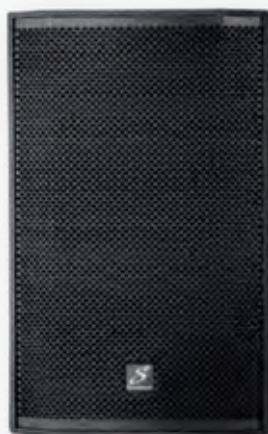
## VENTURE

Passive 12" / 15" full range / 18" sub bass  
up to 400W (RMS) power handling  
neodymium LF and HF magnets  
2 x 4 - pole speaker connectors



## VENTURE AP

Active 12" / 15" full range / 18" sub bass  
up to 600W (RMS) power handling  
DSP with EQ, preset modes, hpf, delay  
2 mic/line input channels



## Specification

	VENTURE12	VENTURE15	VENTURE18S	VENTURE-12AP	VENTURE-15AP	VENTURE-18SAP
MAX SPL	132dB	134dB	134dB	131dB	131dB	134dB
AMP PEAK	1600W	1600W	1600W	1600W	1600W	2400W
AMP PGM	800W	800W	800W	800W	800W	1200W
AMP RMS	400W	400W	400W	400W(350+50)	400W(350+50)	600W
Net Weight	17kg	21kg	30.7kg	18kg	22kg	35kg
Cabinet type	2-way passive	2-way passive	2-way passive	2-way active	2-way active	active subwoofer
Frequency response	60Hz-18kHz	55Hz-18kHz	45Hz-100Hz	60Hz-18kHz	55Hz-18kHz	45Hz-100Hz
Input sensitivity	95dB	96dB	96dB	0dBu	0dBu	0dBu
Coverage(H x V)	80° x 60°	80° x 60°	-	80° x 60°	80° x 60°	-
Nominal Impedence	4 ohm	4 ohm	4 ohm	-	-	-
LF Driver	12" / 50mm VC	15" / 50mm VC	18" / 50mm VC	12" / 65mm VC	15" / 65mm VC	18" / 75mm VC
HF Driver	1.75" / 50mm VC	1.75" / 50mm VC	-	1.35" / 34mm VC	1.35" / 34mm VC	-
Crossover frequency	1.7kHz	1.5kHz	-	2.5kHz	2.2kHz	-
Input connection	2 x NL4	2 x NL4	2 x NL4	2 x XLR/JACK input XLR output	2 x XLR/JACK input XLR output	2 x XLR/JACK input 2 x XLR output
Dimension (W x H x D) (mm)	365 x 608 x 341	430 x 704 x 400	530 x 682 x 610	365 x 608 x 341	430 x 704 x 400	530 x 682 x 610

## SUGGESTED SETUP CONFIGURATION

### VENTURE for gig

- 2 VENTURE12 Passive
- 1 QX2-2000 Power Amplifier
- 2 VENTURE18S Passive
- 1 QX2-2000 Power Amplifier
- 2 SENSE12/12+ Passive
- 1 HX4-1400 Power Amplifier
- 1 AC 48II 4 in 8 out Speaker Processor
- 1 DIGITRACK18 Digital Consoles

### VENTURE for to-go

- 2 VENTURE12AP Active
- 2 VENTURE18SAP Active
- 2 SENSE12A/12A+ Active
- 1 AC 36II 3 in 6 out Speaker Processor
- 1 C6/C6XS Analogue Consoles

# SENSE Series

## Specification

Sense stage monitoring speakers feature Coaxial HF and LF units for increased sensitivity and true production of tone, with NdFeB magnetic HF compression drivers, dual Class D amplifier circuit, DSP processing (Active models) and a 43 degree monitoring angle all in a sleek, compact, lightweight design.

## KEY Features

**8 MODELS** to choose ACTIVE/PASSIVE, 12"/15", carpet or paint finish

**COAXIAL** design with neodymium HF components

**43 DEGREE** wedge angle for ideal close monitoring position

**DSP** 24bit/48kHz on board DSP with EQ, live or monitor modes, delay

**MODES** preset tuning to use as either a monitor or PA cabinet

**CLASS D** high performance power amp modules

**ULTRA COMPACT** footprint from coaxial design

**35MM TOP HAT** socket to use as PA cabinet or side-fill

**STEEL GRILLE** strong and durable front grille design to take the strain

ULTRA  
COMPACT  
COAXIAL  
DESIGN

**12" & 15"**  
MODELS

**300W RMS**  
POWER WITH DSP



## Specification

	<b>SENSE12/12+</b>	<b>SENSE12A/12A+</b>	<b>SENSE15/15+</b>	<b>SENSE15A/15A+</b>
MAX SPL	126dB	127dB	128dB	128dB
PEAK	1000W	1200W	1200W	1200W
PGM	500W	600W	600W	600W
RMS	250W	300W(260+40)	300W	300W(260+40)
WEIGHT	14.5kg	15kg	18.8kg	20.5kg
Cabinet type	2-way coaxial active	2-way coaxial active	2-way coaxial active	2-way coaxial active
Frequency response	55Hz-20kHz	55Hz-20kHz	55Hz-20kHz	55Hz-20kHz
Sensitivity 1w@1m	96dB	0dB	97dB	0dB
Coverage (H x V)	80° x 80°	80° x 80°	80° x 80°	80° x 80°
Nominal Impedence	8 ohm	-	8 ohm	-
LF Driver	12" / 75mm VC	12" / 65mm VC	15" / 75mm VC	15" / 75mm VC
HF Driver	1.75" / 44mm VC	1.75" / 44mm VC	1.75" / 44mm VC	1.75" / 44mm VC
Crossover frequency	2.2kHz	2.4kHz	2.2kHz	2.4kHz
Input connection	2 x 4-pole	2 x XLR/JACK input + 3.5mm XLR output	2 x 4-pole	2 x XLR/JACK input + 3.5mm XLR output
Dimension (W x H x D)	400 x 436 x 323mm	335 x 545 x 319mm	460 x 510 x 377mm	460 x 510 x 377mm



# TRX Series

## Specification

The TRX series, with a choice of 16 models if you include the TRX218 double 18" subwoofer models are a great choice if you need reliability, affordability and simple good looks.

With impressive power ratings, active or passive models from 10" to 2 x 18" and virtually everything in between the TRX series will fit into any application.

Suitable for fixed installation, live PA, houses of worship or any other application where a powerful PA solution is required.

## KEY Features

TWO **INPUTS WITH EQ** ON ACTIVES

**1" THROAT** COMPRESSION DRIVERS

DURABLE **MDF** CONSTRUCTION

**MULTIPLE M10** FLYING POINTS

**35MM TOP HAT** FOR STAND MOUNT

**CAST** ALUMINIUM SPEAKER GRILLS

RECESSED **CARRY** HANDLES

REAR **CASTORS** ON TRX215 MODEL



## AFFORDABLE PA SOLUTIONS

10"/12"/15"/2x15"  
**Full Range**

15"/18"/2x18" **Sub Bass**  
**ACTIVE OR PASSIVE**

## Specification

	<b>TRX-10A</b>	<b>TRX-12A</b>	<b>TRX-15A</b>	<b>TRX-15MA</b>	<b>TRX-215A</b>	<b>TRX-155A</b>	<b>TRX-185A</b>
MAX SPL	124dB	126dB	126dB	127dB	132dB	128dB	129dB
PEAK	800W	1000W	1000W	1000W	2000W	2000W	2000W
PGM	400W	500W	500W	500W	1000W	1000W	1000W
RMS	200W	250W	250W	250W	500W	500W	500W
WEIGHT	20.8kg	25.5kg	31kg	24.7kg	54.7kg	47.6kg	57.8kg
Cabinet type	2-way active	2-way active	2-way active	2-way active	2-way active	Active subwoofer	Active subwoofer
Frequency response	60Hz-18kHz	50Hz-20kHz	45Hz-20kHz	45Hz-20kHz	45Hz-20kHz	35Hz-250Hz	38Hz-250Hz
Input sensitivity	-10dBv	-10dBv	-10dBv	-10dBv	-10dBv	-10dBu	-10dBu
Coverage (H x V)	80° x 60°	80° x 60°	80° x 60°	80° x 60°	80° x 60°	-	-
LF Driver	10"/50mm VC	12"/65mm VC	15"/65mm VC	15"/65mm VC	2 x 15"/65mm VC	15"/100mm VC	18"/75mm VC
HF Driver	1.35"/34mm VC	1.35"/34mm VC	1.35"/34mm VC	1.35"/34mm VC	1.75"/34mm VC	-	-
Crossover frequency	2kHz	2.2kHz	2kHz	2.2kHz	2.2kHz	80/100Hz	80/100Hz
Connection	2 x XLR/JACK input XLR output	2 x XLR/JACK input XLR output	2 x XLR/JACK input XLR output	2 x XLR/JACK input XLR output	2 x XLR/JACK input XLR output	XLR/JACK input XLR output	XLR/JACK input XLR output
Dimension (W x H x D)	354 x 555 x 426mm	409 x 628 x 472mm	453 x 710 x 518mm	429 x 635 x 484mm	472 x 1050 x 538mm	479 x 581 x 548mm	567 x 667 x 600mm

	<b>TRX-10</b>	<b>TRX-12</b>	<b>TRX-15</b>	<b>TRX-15M</b>	<b>TRX-215</b>	<b>TRX-155</b>	<b>TRX-185</b>
MAX SPL	124dB	126dB	126dB	127dB	132dB	128dB	130dB
PEAK	600W	1000W	1000W	1000W	2000W	2400W	2400W
PGM	300W	500W	500W	500W	1000W	1200W	1200W
RMS	150W	250W	250W	250W	600W	600W	600W
WEIGHT	19kg	23kg	28.6kg	27kg	48kg	35.2kg	47.5kg
Cabinet type	2-way passive	2-way passive	2-way passive	2-way passive	2-way passive	passive subwoofer	passive subwoofer
Frequency response	60Hz-20kHz	50Hz-20kHz	45Hz-20kHz	45Hz-20kHz	45Hz-20kHz	40Hz-250Hz	38Hz-250Hz
Input sensitivity	94dB	96dB	96dB	97dB	99dB	96dB	96dB
Coverage (H x V)	80° x 60°	80° x 60°	80° x 60°	80° x 60°	80° x 60°	-	-
LF Driver	8 ohm	8 ohm	8 ohm	8 ohm	4 ohm	8 ohm	8 ohm
HF Driver	10"/50mm VC	12"/65mm VC	15"/65mm VC	15"/65mm VC	2 x 15"/65mm VC	15"/100mm VC	18"/100mm VC
Crossover frequency	1.35"/34mm VC	1.35"/34mm VC	1.35"/34mm VC	1.35"/34mm VC	1.75"/44mm VC	-	-
Connection	2kHz 2 x 4-pole	2.2kHz 2 x 4-pole	2kHz 2 x 4-pole	2.2kHz 2 x 4-pole	2.2kHz 2 x 4-pole	-	-
Dimension (W x H x D)	354 x 555 x 426mm	409 x 628 x 472mm	453 x 710 x 518mm	429 x 635 x 484mm	469 x 1050 x 538mm	479 x 581 x 548mm	567 x 667 x 600mm

# Processors, Power Sequencers & Amplifiers

StuDiomaster | 67-82



# AC Series

**AC36II** 3 INPUT 6 OUTPUT

**AC48II** 4 INPUT 8 OUTPUT



## Features

- 48kHz sampling rate, 40-bit DSP processor, 24-bit AD/DA convertor.
- Input processing includes Gain, Mute, Link, High-cut, Low-cut, Noise gate, 5PEQ, Phase, Delay.
- Output processing includes Crossover, 6PEQ, Gain, Mute, Compressor/Limiter, Phase, Delay, Link.
- Every input and output can do matrix assign freely.
- Adjustable PEQ frequency, Gain and Bandwidth, the gain step is 0.1dB, we can choose style: Peak, H-shelf, L-shelf, LP-6dB, LP-12dB, HP-6dB, HP-12dB.
- The style of all High-cut, Low-cut filter and Distributor Unit: Butterworth, Linkwitz-Riley, Bessel, Slope is -6dB/oct ~ -48dB/oct.
- Adjustable compressor/limiter threshold, soft knee, ratio, attached time and release time. Noise gate's threshold, hold time, attached time and release time can be adjustment.
- The parameters of input and output adjusting are linkable, revisable input and output channels.
- All delay module's delay time can reach over 680ms the step is 0.021ms.
- Parameter setting of each channel can copy freely, build-in signal generator.
- Input and Output on the front panel are equipped with 5-segment high precision level indicators, key indicators, security protection function.
- 30 user presets, 1 factory preset, device parameter and single preset file can save in computer; it also can download from computer and save in the device. The device itself can store multiple preset parameters and recall freely. With PC software, one-key online made the operation more convenient.
- USB and RS232 controlling ports, Online remote control and 255 units linkable through RS485.

## Specification

AC		
System Specification	Frequency Response S/N Ratio Distortion(THD) Cross-talk	20Hz-20kHz, -0.3dBu >110 dBu <0.01at1kHz(0dBu) <100dB below full scale
Input Section	Type Max. Input Level Impedance	Balanced XLR +15dBu 1M / ohm Stereo; 500k ohm / MONO
Output Section	Type Max. Output Level (bypass) Impedance	Balanced XLR +15dBu <500 ohm
Digital Processing	24-bit sigma - delta converters 48kHz Sampling Rates	
Display	20 x 2LCD Display For Parameters Setting And Function Select	
Power Supply	AC-95V-264V FUSE 250VAC/2A FAST	
Dimension(W x H x D)	530 x 133 x 300mm	
Weight	2.88kg	

# N48



## Features

- Built in 32-bit ADC/DAC high-speed conversion chip; 96kHz high sampling rate makes sound perfectly reproduced.
  - Provide USB2.0, USB3.0, RS485, TCP/IP and other interfaces to connect computers or central control equipment. The RS485 can be used to cascade 250 devices with IDs for control.
  - Directly use the function keys and knobs on the panel to set functions or connect computers to control through PC control software.
  - A single machine can store 60 groups of user program data.
  - 2 x 24 LCD blue backlight display function setting, 5 segments of LED display input/output precise digital level meter, mute and edit status.
  - Each input has 12-band of independent full parameter equalization, and each output has 15 segments of independent full parameter equalization,
- the adjustment gain range can be up to  $\pm 20$ dB, and five equalization modes can be selected, including parameter, high modulation, low modulation, 1st order all pass, and 2nd order all pass, The maximum delay can reach 1000ms in various units of millisecond (ms), meter (m) and foot (ft).
- Parameter setting of each channel can copy freely, build-in signal generator. Input processing includes Gates, 2DEQ, Auto-Gain, Compressor etc.
  - Output processing displays Compressor/Limiter and other functions in an intuitive control panel on PC end.
  - Every input and output can do matrix assign freely.
  - On-board code generator for monitoring instant status from the panel of center control system.

## Specification

	<b>N48</b>
Input impedance	balanced 20k ohm
Output impedance	balanced 100 ohm
CMRR(rejection rate)	> 80dB (1kHz)
Input range	$\leq +21.5$ dBu
Frequency response	19.7Hz-20kHz ( $\pm 0.5$ dB)
SNR	> 118dB@1kHz 0dBu
Distortion	< 0.002% OUTPUT=0dBu/1kHz
Channel resolution	> 108dB (1kHz)
Power consumption	$\leq 42.4$ W
Power supply	AC90V-220V 50/60Hz
Product size (W x H x D)	553 x 98 x 325mm
Net Weight	3.55kg

# S2



## Features

- High precision floating point DSP processor, 24 bit A/D and D/A conversion, 96kHz sampling rate.
- Voice recognition feedback suppressor.
- Zero distortion: the voice recognition method has the least damage to the voice, and theoretically it can achieve zero damage, that is, zero distortion!
- Zero feedback: theoretically, as long as the recognition rate of voice recognition is high enough, zero feedback can be achieved!
- Feedback suppression AFC: built-in 5-level sound screen to accurately screen the sound signal of the speaker and filter it out.
- Noise suppression ANR: built-in 15 level noise suppression to make the system more pure.
- Automatic equalizing AEQ: built-in 5-level automatic equalizing, which can automatically adjust the equalizing in real time according to the environment.
- The speaker energy suppression ratio, MIC pickup speaker energy, and speaker energy suppression amount can be displayed in real time.
- The original voice recognition level is used to judge whether the equipment works in the best voice recognition state.
- The combination of "Line/Microphone" mode switch, "High/Medium/Low" level selection switch and "MIC" gain knob can adapt to multiple groups of different input level settings, so that the input level signals within the range of +6dBu to - 80dBu can work in the best sound recognition state.
- The three input connections are female XLR, of which two are input signals with +48V phantom power supply, and the other is line reference signal input to enhance the voice recognition feedback suppression function.
- Two output interfaces are male XLR, and two output signals are processed independently.
- 24 x 179mm large LCD screen, all specifications are displayed on one screen, without page turning operation.
- Connecting PC software can not only realize all parameter control, but also realize automatic equalization AEQ verification, so that automatic equalization can adapt to different working occasions.
- PC software provides USB, RS485, TCP/IP and WiFi connection modes. A single machine provides 30 groups of programmable user programs, 10 of which can be stored and called on the panel.
- The traditional central control and network central control can be realized through RS485 and TCP/IP. The network central control is two-way transmission, which can control and obtain various parameters of the equipment in real time.
- The equipment can accept a wide range of AC voltage input, with the input range of AC90~240V 50/60Hz.

## Specification

	<b>S2</b>
Input channel and socket	3-way female XLR
Output channel and socket	2-way male XLR
Function mode setting switch	1 x "line/microphone" mode switch, 1 x "high/medium/low" level selection switch
MIC gain adjustment range	0dB - 12dB
Input impedance balance	20k ohm
Output impedance balance	100 ohm
PC connection panel	1 USB port, behind with 1 RS485 (Phoenix socket), 1 TCP / IP (RJ-45)
CMRR	>80dB (@ 1kHz)
Input range	+6dBu to - 80dBu
Frequency response	200Hz-16kHz (± 1dB)
SNR	>95dB
Distortion	<0.02% @ 1kHz
Channel resolution	<- 105dB
Reference signal input	External amplifier input reference signal
Feedback suppression mode	5-level sound screen
Voice recognition mode	15 level noise suppression
Noise suppression	5 level AEQ
Automatic equalization	10dB - 15dB
Sound gain	0/0/0dB (LINE: HIGH/MID/LOW to LEVEL) 8/20/32dB (MIC: HIGH/MID/LOW to LEVEL)
System gain	High precision floating point DSP processor, 96kHz sampling rate
Processor	
Power supply	50/60Hz 90~240V AC
Power consumption	< 20W
Cabinet height	1U
Product size (W x H x D)	482 x 44 x 228mm
Net Weight	3.5kg

# RPS8

## TCP/IP based power management



### Features

- Timing switch on/off, up to 12 months of timing switch on/off function.
- Computer can be connected, device programming function can be carried out through software, and the delay switch on/off time between channels can be altered at will.
- Various control modes, USB, RS485, WIFI (optional), TCP/IP remote Internet control on PC end.
- Provides 8-way rated 22kW power supply, each channel has independent high-performance RFI/EMI power filter, Provide stable power supply for your equipment.
- Password function to better protect on-site installation and performance.
- Provide 8 channels of 12 power sockets and 2 straight sockets, all of which are international universal power sockets.
- ARM core 32-bit processor control is adopted to make the timing more accurate and the performance more stable.
- Pointer voltmeter and ammeter indication, Real-time display of grid voltage, load current, LCD intuitive operation interface, Display the user's operation status and results of the system.
- It can be cascaded with multiple power sequencer of the same model, without the need to purchase other control devices.
- A USB lamp holder which can power a USB lamp for operation in weak light.
- It can shut down a circuit of output through hardware emergency.

### Specification

#### RPS8

Working voltage	single-phase 110V or 220V (± 20%)
Operating frequency	50/60Hz (± 5%)
Power input	connect single-phase 3-core wiring socket
Power output	the current of single-phase total rated load is 100A
Product size (W x H x D)	482 x 99 x 400mm
Net Weight	10.2kg

# HX Series

## 1U digital power amplifiers

The HX series, are ultra lightweight, compact, yet packed with high performance power ratings and features and available in eight models.

All models feature comprehensive protection and status indicators, and are available in 2 and 4 channel variants offering from 2 x 225 watt at 4 ohm up to 4 x 765 watt.

The HX series are all 1U size, with power factor correction(PFC), universal power supplies which will operate between 90-250VAC, and will perform at loads down to 2 ohm.

For demanding installation, conference, entertainment and smaller touring and rental applications the new HX series will supply the performance, power and reliability you need in a compact, affordable package.

### Rear Panel



## KEY Features

- 8 MODELS with 2 and 4 channel versions
- 2 OHM reliable operation in single channel or bridged modes
- XLR balanced XLR inputs
- MULTIPLE GAIN modes to work with any system
- MULTIPLE MODES stereo, parallel and bridge modes
- RELIABILITY designed for reliability in multiple applications
- PFC universal 90-250V operation with power factor correction
- VARIABLE speed fan cooling for reliable long term operation

## Specification

		HX2-300	HX2-500	HX2-700	HX2-900	HX4-600	HX4-1000	HX4-1400	HX4-1800
Rated power (EIAJ THD=1%, 1kHz, 2 CH working simultaneously)	8 ohm / stereo	2 x 150W	2 x 250W	2 x 350W	2 x 450W	4 x 150W	4 x 250W	4 x 350W	4 x 450W
	4 ohm / stereo	2 x 255W	2 x 425W	2 x 595W	2 x 765W	4 x 255W	4 x 425W	4 x 595W	4 x 765W
	2 ohm / stereo	2 x 435W	2 x 725W	2 x 1015W	2 x 1300W	4 x 435W	4 x 725W	4 x 1015W	4 x 1300W
	16 ohm / bridged	300W	500W	700W	900W	2 x 300W	2 x 500W	2 x 700W	2 x 900W
RMS output voltage(THD=1%, 1kHz)	8 ohm / bridged	510W	850W	1190W	1530W	2 x 510W	2 x 850W	2 x 1190W	2 x 1530W
	4 ohm / bridged	870W	1450W	2030W	2600W	2 x 870W	2 x 1450W	2 x 2030W	2 x 2600W
Voltage gain		34.6V	44.7V	52.9V	60.0V	34.6V	44.7V	52.9V	60.0V
Slope(1kHz, bypass LPF)		30.8dB	33.0dB	34.5dB	35.6dB	30.8dB	33.0dB	34.5dB	35.6dB
Input sensitivity( rated output power, 1kHz)						50V/us			
THD+N (10% rated output power)						1Vrms			
IMD-SMPTE(10% rated output power)						0.02%			
DIM30(10% rated output power)						0.05%			
Crosstalk rejection (less than rated power, 20Hz-1kHz)						≥80 dB			
Frequency response (10% rated output power, 8 ohm, 20Hz-20kHz)						±0.2dB			
Input impedance						20k ohm(bal), 10k ohm(unbal)			
Damping factor(8 ohm, 20Hz-100Hz)						≥300			
S/N ratio (A weighted, 20Hz-20kHz)						≥105dB			
Power supply						90-260VAC, 50/60Hz			
Protection						over load/thermal/DC output protection			
Dimension(W × H × D)						483 x 44 x 323mm			
Net Weight		5.0kg					5.7kg		

# QX Series

## 1U digital power amplifiers

The QX series digital power amplifiers, all models featuring advanced amplifier adjustment technology to give over 95% efficiency, and stable performance at high current, low impedance conditions.

Additional features include active power factor correction (PFC) and ultra reliable soft power switching power supply which will operate universally between 90-250VAC.

The QX series, are all 1U height lightweight designs, weighing less than 12kg. Both 2 and 4 channel versions are available, giving power ratings from 1100 watt per channel up to 5100 watt per channel at 4 ohm.

At 2 ohm operation, the flagship QX4-8000 will supply up to 4 x 4760 watt, making these amplifiers supply extremely high performance, and provide cost effective solutions for multiple install and rental applications, for example line array systems.

### Rear Panel



## KEY Features

- **9 MODELS** with 2 and 4 channel versions
- **2 OHM** reliable operation in single channel or bridged modes
- **POWERFUL** designed to power large systems
- **MULTIPLE GAIN** modes to work with any system
- **MULTIPLE MODES** stereo, parallel and bridge modes
- **LINE ARRAY** designed for install/rental systems
- **PFC** universal 90-250V operation with power factor correction
- **VARIABLE** speed fan cooling for reliable long term operation

## Specification

		<b>QX2 1300</b>	<b>QX2 2000</b>	<b>QX2 3000</b>	<b>QX2 4000</b>	<b>QX2 6000</b>	<b>QX4 2600</b>	<b>QX4 4000</b>	<b>QX4 6000</b>	<b>QX4 8000</b>
Rated power (EIAJ THD=1%, 1kHz, 2 CH working simultaneously)	8 ohm / stereo	2 x 650W	2 x 1000W	2 x 1500W	2 x 2000W	2 x 3000W	4 x 650W	4 x 1000W	4 x 1500W	4 x 2000W
	4 ohm / stereo	2 x 1100W	2 x 1700W	2 x 2550W	2 x 3400W	2 x 5100W	4 x 1100W	4 x 1700W	4 x 2550W	4 x 3400W
	2 ohm / stereo	2 x 1870W	2 x 2890W	2 x 3570W	2 x 4760W	2 x 7140W	4 x 1870W	4 x 2890W	4 x 3570W	4 x 4760W
	16 ohm / bridged	1 x 1300W	1 x 2000W	1 x 3000W	1 x 4000W	1 x 6000W	2 x 1300W	2 x 2000W	2 x 3000W	2 x 4000W
	8 ohm / bridged	1 x 2200W	1 x 3400W	1 x 5100W	1 x 6800W	1 x 10200W	2 x 2200W	2 x 3400W	2 x 5100W	2 x 6800W
	4 ohm / bridged	1 x 3740W	1 x 5780W	1 x 7140W	1 x 9520W	1 x 14280W	2 x 3740W	2 x 5780W	2 x 7140W	2 x 9520W
RMS output voltage(THD=1%, 1kHz)		72.1V	89.4V	109.5V	126.5V	154.9V	72.1V	89.4V	109.5V	126.5V
Slope(1kHz, bypass LPF)		50V/us								
Input sensitivity(rated output power, 1kHz)		Option: 38dB, 35dB, 32dB, 29dB								
THD+N (10% rated output power)		0.01%								
IMD-SMPTE(10% rated output power)		0.01%								
DIM30(10% rated output power)		0.01%								
Crosstalk rejection (less than rated power, 20Hz-1kHz)		≥90 dB								
Frequency response (10% rated output power, 8 ohm, 20Hz-20kHz)		±0.2dB								
Input impedance		20k ohm(bal), 10k ohm(unbal)								
Damping factor(8 ohm, 20Hz-100Hz)		≥300								
S/N ratio (A weighted, 20Hz-20kHz)		≥108dB	≥109dB	≥110dB	≥112dB	≥115dB	≥108dB	≥109dB	≥110dB	≥112dB
Power supply		90-260VAC, 50-60 Hz								
Protection		Low voltage/DC output/thermal/over load protection								
Dimension(W × H × D)(mm)		483×44×323			483×44×465		483×44×370		483×44×465	
Net Weight		9kg	9kg	9kg	9kg	12kg	9kg	9kg	12kg	12kg



# DQX Series

## 1U digital power amplifiers

The new DQX series, using the same amplifier and power supply platform as the QX series, feature a high quality DSP, with high precision and dynamic AD/DA converters and an informative 3.3" HD LCD screen. Real time monitoring is available both via the screen or via Ethernet connections, with support for receiving AES digital audio signals.



Additional features include active power factor correction (PFC) and ultra reliable soft power switching power supply which will operate universally between 90-250VAC.

The DQX series, are all 1U height lightweight designs, weighing less than 13kg. Both 2 and 4 channel versions are available, giving power ratings from 1100 watt per channel up to 5100 watt per channel at 4 ohm at over 95% efficiency.

At 2 ohm operation, the flagship DQX4-8000 will supply up to 4 x 4760 watt, making these amplifiers supply extremely high performance, and provide cost effective solutions for multiple install and rental applications, for example line array systems.

## KEY Features

- **9 MODELS** with 2 and 4 channel versions
- **2 OHM** reliable operation in single channel or bridged modes
- **POWERFUL** designed to power large systems
- **MULTIPLE GAIN** modes to work with any system
- **MULTIPLE MODES** stereo, parallel and bridge modes
- **DSP OPERATION** use with 3.3" screen or Ethernet connection
- **PFC** universal 90-250V operation with power factor correction
- **VARIABLE** speed fan cooling for reliable long term operation

## Specification

		<b>DQX2 1300</b>	<b>DQX2 2000</b>	<b>DQX2 3000</b>	<b>DQX2 4000</b>	<b>DQX2 6000</b>	<b>DQX4 2600</b>	<b>DQX4 4000</b>	<b>DQX4 6000</b>	<b>DQX4 8000</b>
Rated power (EIAJ THD=1%, 1kHz, 2 CH working simultaneously)	8 ohm / stereo	2 x 650W	2 x 1000W	2 x 1500W	2 x 2000W	2 x 3000W	4 x 650W	4 x 1000W	4 x 1500W	4 x 2000W
	4 ohm / stereo	2 x 1100W	2 x 1700W	2 x 2550W	2 x 3400W	2 x 5100W	4 x 1100W	4 x 1700W	4 x 2550W	4 x 3400W
	2 ohm / stereo	2 x 1870W	2 x 2890W	2 x 3570W	2 x 4760W	2 x 7140W	4 x 1870W	4 x 2890W	4 x 3570W	4 x 4760W
	16 ohm / bridged	1 x 1300W	1 x 2000W	1 x 3000W	1 x 4000W	1 x 6000W	2 x 1300W	2 x 2000W	2 x 3000W	2 x 4000W
	8 ohm / bridged	1 x 2200W	1 x 3400W	1 x 5100W	1 x 6800W	1 x 10200W	2 x 2200W	2 x 3400W	2 x 5100W	2 x 6800W
	4 ohm / bridged	1 x 3740W	1 x 5780W	1 x 7140W	1 x 9520W	1 x 14280W	2 x 3740W	2 x 5780W	2 x 7140W	2 x 9520W
	100V Hi-Z	/	/	2 x 2500W	2 x 3400W	2 x 5000W	/	/	4 x 2500W	4 x 3400W
70V Hi-Z	2 x 1100W	2 x 1700W	2 x 2400W	2 x 2400W	2 x 2400W	4 x 1100W	4 x 1700W	4 x 2400W	4 x 2400W	
RMS output voltage(THD=1%, 1kHz)		72.1V	89.4V	109.5V	126.5V	154.9V	72.1V	89.4V	109.5V	126.5V
Slope(1kHz, bypass LPF)						50V/us				
THD+N (10% rated output power)						0.01%				
IMD-SMPTE(10% rated output power)						0.01%				
DIM30(10% rated output power)						0.01%				
Crosstalk rejection (less than rated power, 20 Hz~1 kHz)						≥90 dB				
Frequency response (10% rated output power, 8 ohm, 20Hz~20kHz)						±0.3dB				
Input impedance						20k ohm(bal), 10k ohm(unbal)				
Damping factor(8 ohm, 20Hz-100Hz)						≥5000				
S/N ratio (A weighted, 20Hz-20kHz)		≥107dB	≥109dB	≥110dB	≥112dB	≥115dB	≥107dB	≥109dB	≥110dB	≥112dB
Power supply						90~260VAC, 50~60 Hz				
Protection						Low voltage/DC output/thermal/over load protection				
Dimension(W × H × D)(mm)			483 x 44 x 370			483 x 44 x 465	483 x 44 x 370		483 x 44 x 365	
Net Weight		9kg	9kg	9kg	9kg	12kg	9kg	9kg	12kg	12kg

# AX2 Series

- AX2 15** 2 x 450W 2U POWER AMPLIFIER
- AX2 25** 2 x 750W 2U POWER AMPLIFIER
- AX2 35** 2 x 1100W 2U POWER AMPLIFIER



## 2U Power Amplifiers

There are three models in the AX series of amplifiers, all offering you professional quality and high power in a compact 2-rack space package.

As well as Hi Pass filters, stereo crossovers and twin cooling fans, their biggest asset is their sound. For three decades, Studiomaster has been building superb amplifiers. What has always set them apart from others is their exceptional sound quality. The AX continues this tradition... you can concentrate on the performance, with no need to worry about the amps!

The AX amplifiers are perfect for stereo or bridged mono application and with the onboard two way crossover, will suit virtually any application. The crossover frequency can be set at either 100Hz or 150Hz. Each channel can be assigned to the high, or low, frequency signal. The output from each crossover is also available on 1/4" jack sockets to connect more amplifiers.

## KEY Features

- 3 MODELS** from 450W to 1100W per channel at 4 ohm
- 2 OHM** designed for continuous 2 ohm operation
- HPF** built-in switchable 35Hz high pass filter
- PROTECTION** comprehensive amplifier protection
- COMPACT** 2U size, with 19" rack mount ears
- CROSSOVER** built-in 2-way 100/150Hz active crossover
- VENTILATED** hard wearing steel enclosure channels
- VARIABLE** Twin speed fan cooling for reliable long term operation

## Rear Panel

professional inputs  
and efficient  
cooling



built in  
active  
crossover

## Specification

	<b>AX215</b>	<b>AX225</b>	<b>AX235</b>
Output power per channel Both channel @ 8 ohm RMS Both channel @ 4 ohm RMS Both channel @ 2 ohm RMS Bridged @ 8 ohm RMS Bridged @ 4 ohm RMS	270 watt 450 watt 575 watt 900 watt 1150 watt	450 watt 750 watt 990 watt 1500 watt 1950 watt	710 watt 1100 watt 1450 watt 2200 watt 2900 watt
Input sensitivity	rated power 4 ohm 0dBu 0.775V	0dBu 0.775V	0dBu 0.775V
Distortion THD	1kHz @ rated power 0.01%	0.01%	0.02%
Frequency response	20Hz-20kHz +0 / -0.5dB	+0 / -0.5dB	+0 / -0.5dB
Signal to noise ratio	rated power 4 ohm 100dB unweighted	100dB unweighted	100dB unweighted
Input filter	35Hz		
Crossover	Selectable 100 / 150Hz 3rd order filter		
Cooling	Twin variable speed fans. Back to front airflow		
Protection	Full short circuit, open circuit, thermal, ultrasonic and RF protection. Stable into mismatched or reactive loads		
Output circuit type	AB	AB+H(2)	AB+H(3)
Power requirements	230V +/-10% 50/60Hz		
Power consumption @ 230V 1/3power pink noise	4.6A	7A	8.2A
Connections	Combination XLR and jack, Male XLR link socket		
Input	4 pole industry standard sockets		
Output			
Dimension (W x H x D)	482mm(19") x 89mm(3.5") x 394mm(15.5")		
Weight (net/shipping)	16kg(35.2lb) 20kg(44lb)	19.4kg(42.7lb) 23kg(50.6lb)	21.8kg(47.9lb) 26kg(57.2lb)



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