

**S**tudiomaster  
since 1976



**British innovation**

professional  
audio **2015**  
edition 1

Modern live sound production began with the development and mass production of reliable, high power PA amplification, capable of good sound reproduction. Back in 1976 a company called RSD (Recording Studio Design) based in rural England, was among the first to design and build such amplifiers. Not only did they challenge the performance specifications and engineering of the few available, hugely expensive, imported US designs that could put out more than a few hundred watts per channel, they were affordable – very affordable. RSD – so named because this small band of sound engineering entrepreneurs wanted to bring the sound quality of the recording studio to the concert stage – could not build enough of the 800 watts per channel RSD 800B. Not only were they snapped up in huge numbers to power extravagant concept shows and arena tours by mega groups like Pink Floyd, with the explosion of punk in the late 1970's came a gigging revolution, and PA hire grew into an industry; and all the companies used the RSD 800B. Just as importantly these amplifiers were affordable, so that even bands setting out on the road to stardom could gig with a decent sounding PA system in the back of the van.

The company kept on developing ground breaking new products, introducing the **first compact monitor console** and one of the **first 8-buss home recording mixing desks**, designed to operate with the new breed of eight-track home recording tape machines. It was this – the Studiomaster 16-8 – that heralded the change of company name and the move to a new factory in the town of Luton where it remained for many years. Throughout the 1980's and 1990's, the new R&D department produced a string of **innovative product developments**, continually making available features and technologies, previously the preserve of big recording studios or millionaire musicians, to bands and songwriters starting out. Among them were the **first four buss mixers**, designed as sub-mixers for the new breed of keyboard bands, with their racks of synths, sequencers and drum machines, and for four-track bedroom recordists.

It was **the 'invention' of the powered mixer** however, that would be the next big success story and become the 'signature' Studiomaster product class. The Studiomaster 8-2 married the two things the company did better than anyone else – a compact portable professional mixer with integrated power amplification; in this case separate left, right and monitor channel amplification. Effectively a PA system in a box, it only needed wiring up to speaker cabinets. The powered mixer was a gift to gigging musicians, small venues and rehearsal studios the world over. Along with **more firsts like MIDI automation featured home recording desks** and



# 40 years of innovation

preset operable digital effects processors, the company continued its growth and mass market domination of the music technology industry.

Today Studiomaster is not only a sound industry legend, it remains a UK based pro-audio engineering and manufacturing company, under the ownership of the Soundking Group, among the largest musical equipment and professional audio manufacturers in China. While retaining its product development and engineering activities, and strategic management and distribution functions at its Milton-Keynes head quarters in the UK, it has access to investment and mass production facilities via its parent company in Ningbo, south of Shanghai.

The company boasts a major catalogue of live sound reproduction products and technologies, from self-powered sound reinforcement and portable PA cabinets, and high quality fixed installation speakers, to ingenious all-in-one "box and carry" powered PA solutions for a 'pop-up' presentation or performance, to the very latest in powered mixers, with 1000 watts a side of astounding digital power.

**Just as it was back in 1976, what sets Studiomaster apart in the modern musical equipment industry, is innovation and the drive to offer premium quality product at the most competitive affordable price.**

invention  
first  
innovation

Here at Studiomaster we understand that PA can sometimes be a complicated business, with that in mind your Studiomaster catalogue has been arranged in three primary categories to make your navigation through our product range as simple and informative as possible.



entry level products aimed at the gigging musician / performer



for when a larger PA is required



showing our flagship products for high power higher capacity PA requirements

Dedicated categories for stage monitoring, portable PA, installation and other accessories are also included at the end of the catalogue.

Thank you ... Your Studiomaster Team



entry level products aimed at the gigging musician / performer

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showing our flagship products for high power higher capacity PA requirements

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for when a larger PA is required

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# C2 / C2S

## ULTRA COMPACT MIXERS

The C2 Series are an ultra compact high quality mixer series, offering comprehensive features normally found on larger consoles in an attractive compact moulded case. All units feature 2 band eq on all channels, auxiliary for external effects processors, pan/balance control, and input gain and level controls. The output section is equally comprehensive with stereo output on 1/4" jacks, playback / record on both RCA phono and USB (on C2S models), bargraph metering and headphone output.

Perfect for many applications, including home recording, live mixing, location mixing, commercial/corporate uses and many other applications where an ultra compact mixing console is required.



# C2 / C2S



### C2-2 2 MIC - 2 STEREO

- 2 mic input and 2 stereo input channels
- Comprehensive channel facilities including 2 band EQ and auxiliary
- Ultra compact lightweight design



### C2S-2 2 MIC - 2 STEREO WITH USB

- 2 mic input and 2 stereo input channels
- Comprehensive channel facilities including 2 band EQ and auxiliary
- Ultra compact lightweight design
- Built in USB record / playback



### C2-4 4 MIC - 2 STEREO

- 4 mic input and 2 stereo input channels
- Comprehensive channel facilities including 2 band EQ and auxiliary
- Ultra compact lightweight design



### C2S-4 4 MIC - 2 STEREO WITH USB

- 4 mic input and 2 stereo input channels
- Comprehensive channel facilities including 2 band EQ and auxiliary
- Ultra compact lightweight design
- Built in USB record / playback

SPECIFICATIONS	C2-2	C2S-2	C2-4	C2S-4
Channels	6	6	8	8
Mic Inputs	2	2	4	4
Stereo Inputs	4	4	4	4
Frequency Response	20Hz-20kHz (+/-1dB)	20Hz-20kHz (+/-1dB)	20Hz-20kHz (+/-1dB)	20Hz-20kHz (+/-1dB)
Distortion	<0.08% @ -10dBu	<0.08% @ -10dBu	<0.08% @ -10dBu	<0.08% @ -10dBu
Residual Noise	<-98dB	<-98dB	<-98dB	<-98dB
Gain Range	Mic Input: 0dB to +45dB Line Input: -20dB to +25dB Line: 20k ohm balanced Playback+ CDMP3: 24k ohm unbalanced	0dB to +45dB -20dB to +25dB 20k ohm balanced 24k ohm unbalanced	0dB to +45dB -20dB to +25dB 20k ohm balanced 24k ohm unbalanced	0dB to +45dB -20dB to +25dB 20k ohm balanced 24k ohm unbalanced
EQ	Hi: +/-15dB @ 12kHz Lo: +/-15dB @ 80Hz	+/-15dB @ 12kHz +/-15dB @ 80Hz	+/-15dB @ 12kHz +/-15dB @ 80Hz	+/-15dB @ 12kHz +/-15dB @ 80Hz
Maximum Output	Main Mix: +21dB +/-2dB Aux Send: +18dBu +/-2B	+21dB +/-2dB +18dBu +/-2B	+21dB +/-2dB +18dBu +/-2B	+21dB +/-2dB +18dBu +/-2B
Output Impedance	Record: 1k ohm Headphones: 25k ohm	1k ohm 25k ohm	1k ohm 25k ohm	1k ohm 25k ohm
USB	N/A	2 channel playback/record	N/A	2 channel playback/record
Dimensions (WxHxD)	244mm x 165mm x 75mm	244mm x 165mm x 75mm	244mm x 218mm x 75mm	244mm x 218mm x 75mm
Power Supply	Wall adaptor 100-240V ~ 50/60Hz	Wall adaptor 100-240V ~ 50/60Hz	Wall adaptor 100-240V ~ 50/60Hz	Wall adaptor 100-240V ~ 50/60Hz
Power Consumption	11W	11W	15W	15W



# C3 / C3X

## COMPACT RACK MIXERS

The C3 range of mixers comprises two models both offering you a total of 12 inputs in a compact 1U 19" rack mountable package. The C3X model also includes the Studiometer custom DSP effects processor. A smaller unit that still has all the professional features you need for quality sound.

The four balanced combination XLR and jack inputs allow you to connect your microphones or line level equipment. For added flexibility two inputs are on the front and two on the rear panel. All mic pre-amps feature our studio grade design, making them ideal even if you want to use quality condenser mics, as phantom power is available.

Studiometer EQ designs are famous for their smooth and natural response. The three band design, used on C3, provides you with maximum control across that crucial vocal range.

Four stereo inputs offer a selection of jack and RCA/phono inputs making them perfect for most playback formats (CD, MD etc) and electronic instruments (keyboards, drum machines etc). Each input has an individual level control and the shared two band EQ gives extra dimension.

The DSP used in the C3X gives you the latest generation of crystal clear, quality delays, reverbs and effects. Studiometer has used DSP technology for many years and during that time developed a unique blend of delay and reverb effects which have proved to be a highly popular choice of many artists. The result, 'Vocal', takes the difficulty out of choosing the best effect, dramatically enhancing a vocalist's performance. Three 'Vocal' settings are available on the C3X, along with 'room' and 'plate' reverbs. The delay mode is fully variable giving you an echo of between 10ms and 720ms, along with a 'regen' range

of 0 to 90%, so you control how long it takes to die away. The DSP can be turned on and off using the convenient front panel switch or with a foot switch, connected to the socket on the rear panel.

All inputs have access to a pair of pre and post fader auxiliary sends. The 'pre' send is ideal for creating a monitor mix which can feed stage monitors or headphones. The 'post' send feeds the DSP effects processor on the C3X, and an external effect device for even more flexibility.

The stereo output features LED metering, so you can see exactly what's going on, master level control and balanced XLR and RCA/phono connectors.



# C3 / C3X

## SPECIFICATIONS C3 / C3X

Maximum Gain Input-Output				
Mic Inputs		55dB		
Line Inputs		40dB		
Stereo Inputs		24dB		
EQ				
	Hi	+/-15dB @ 60Hz		
	Mid (mic inputs)	+/-15dB @ 2.5kHz		
	Lo	+/-15dB @ 12kHz		
Frequency Response		22Hz-40kHz (+/-0.5dB)		
Distortion		0.008% @ typical settings		
Noise		-93dBu		
Dynamic Range		3 mic @ typical set	-83dBu	
Metering		Peak reading 4 segment 2 colour LED bargraphs		
DSP (C3X only)		Reverb mode : 3 vocal, 1ADT, 2 reverb, 2 plate		
		Delay mode : Variable between 10ms to 720ms		
		Regen : Variable between 0% to 90%		
Output Levels			Normal	Maximum
L/R Output XLR			+4dBu	+23dBu
L/R RCA phono			-2dBu	+17dBu
AUX			-2dBu	+23dBu
MON			+4dBu	+23dBu
Impedance				
L/R Output XLR				100 ohms
L/R RCA phono				100 ohms
AUX				<10 ohms
MON				<10 ohms
Power Requirements / Consumption				
C3		Voltage Selector	230V range +/-10% ~ 50/60Hz	52mA max
C3X		Voltage Selector	115V range +/-10% ~ 50/60Hz	104mA max
			230V range +/-10% ~ 50/60Hz	70mA max
			115V range +/-10% ~ 50/60Hz	140mA max
Dimensions (WxHxD)		inc rack ears	482mm (19") x 44mm (1.75") x 265mm (10.5")	
Weight		Net / Shipping		
C3			3.6kg (7.9lb) / 4.6kg (10.1lb)	
C3X			3.7kg (8.1lb) / 4.7kg (10.3lb)	

### C3 12 INPUT 4 MIC - 4 STEREO

- 12 inputs in a compact 1U package
- 2 auxiliary sends
- 3 band EQ on mic inputs, 2 band EQ on stereo inputs
- Balanced inputs and output connectors



### C3X 12 INPUT 4 MIC - 4 STEREO WITH DSP

- 12 inputs in a compact 1U package
- 2 auxiliary sends
- 3 band EQ on mic inputs, 2 band EQ on stereo inputs
- Balanced input and output connectors
- Custom DSP effects with high quality reverb presets and variable delay



# CLUB XS

## COMPACT MIXERS

New to the range for 2015 are our CLUB XS range of compact, and portable mixing consoles. Offering all the features and specifications required from mixing consoles at this level, at a great price point. With features such as 3 band EQ, built-in channel compression, DSP effects and a hugely versatile MP3/USB/SD card playback and recording system.

Available in either 8 input or 10 input models. The 8 input with 4 mic channels, the 10 with 6 mic channels. Both feature 2 stereo input channels.



### CLUB XS 8 4 MIC - 2 STEREO CHANNELS INC DSP & USB/MP3 PLAYER

### CLUB XS 10 6 MIC - 2 STEREO CHANNELS INC DSP & USB/MP3 PLAYER

- 8 and 10 input models
- 3 Band EQ on all channels
- High pass filters and adjustable compressors on all mic channels
- USB/SD card recording / playback
- High quality DSP effects
- Ultra compact and lightweight design

Input channels, are fully featured with 3 band EQ, 2 Auxiliaries, balanced mic/line connectors, compressor control and a useful channel MUTE switch. Stereo channels differ only with 2 band EQ and no compressor. Main outputs are balanced XLR, with additional jack outputs available for auxiliaries and control room, and RCA phono record/playback facilities.

The USB/SD card facility for stereo recording / playback make the CLUB XS ideal for project home recording or giving the ability to supply interval / backing music to your live performance. To add further practicality to the unit, there is a built in MP3 player to give you every opportunity to make your live performance as quick and easy to set-up as possible.

Also included on both CLUB XS models is a high quality 16 programme DSP effects unit.

In addition to this, the CLUB XS models feature +48V phantom power on all mic channels, high quality 60mm smooth faders, and a robust quiet internal switchmode power supply.



SPECIFICATIONS	CLUB XS 8	CLUB XS 10
Inputs	8	10
Mic Input channels	4	6
Stereo Input channels	2	2
Gain	MIN - MAX	
Mic	-16dB - -60dB	-16dB - -60dB
Line	+10dB - -34dB	+10dB - -34dB
EIN	-100dB	-100dB
Frequency response		
Mic Channel	10Hz - 20kHz+1/-3	10Hz - 20kHz+1/-3
THD Mic Channel	≤0.1%	≤0.1%
Signal to noise ratio	80dB	80dB
Output Levels	MAX +26(BAL) MAX +20(UNBAL)	MAX +26(BAL) MAX +20(UNBAL)
Channel EQ		
Hi	12kHz	12kHz
Mid	2.5kHz	2.5kHz
Lo	45Hz	45Hz
Lo Cut	80Hz	80Hz
MP3/USB/SD Audio playback	YES	YES
USB/SD Audio recording	YES	YES
DSP Effects	YES	YES
Power requirements	100V - 240V ~	100V - 240V ~
Dimensions (W x D x H)	283x359x70mm	339x359x70mm



CLUB XS

gig

# FUSION+

## ENTERTAINMENT CONSOLE

**Your Total Entertainment Console. The complete mixer for Karaoke, clubs, solo performers, duos and sound installations.**

PA and DJ mixers are designed for specific applications and tend to be completely different to each other. Features like high quality mic channels with comprehensive EQ are never seen with assignable cross faders and multiple CD inputs... until now!

The Fusion+ offers three mic channels with combination XLR/jack inputs, three band EQ with sweep mid, 80Hz high pass filters and

60mm faders give you everything you need for pro quality sound. The four stereo inputs have three band EQ with a steep -36dB cut (perfect for all your DJ tricks), assignable cross fader, MPX switches for Karaoke discs. Three individual LED level indicators make it easy for you to see your output and CUE signal levels at a glance and there's a comprehensive booth output control with a cunning MIC CUT switch - to stop feedback in your DJ booth.

The smooth, long life 45mm VCA cross fader is assignable from any of the four stereo channels and you can replace it quickly and easily, vital

if you need to keep working. The taper controls vary the cross fade points to suit the way you work... and your approach to mixing.

In typical Studiomaster fashion, the effects DSP only offers the effects you really need, allowing you to get a great mix quickly and easily.

The build quality of the Fusion+ is exceptional with every control securely fixed to the front panel and all the connectors screwed directly to the chassis. The main outputs are on professional XLRs for connecting to compact powered speakers or large club installations.



# FUSION+

## FUSION+ 11 INPUT ENTERTAINMENT CONSOLE

- Innovative PA & DJ mixing built into one compact unit
- 3 mic and 4 stereo music channels
- Professional mic inputs with 3 band EQ and mid sweep
- 3 band EQ on stereo channels with -36dB cut
- High quality DSP effects on mic channels
- Long life smooth faders
- Video routing and MPX switching, perfect for karaoke
- Assignable crossfader and steep -36dB cut EQ ideal for DJ
- Booth output with mic cut facility to eliminate feedback

### SPECIFICATIONS

### FUSION+

Input Gain	Min	Max	Max to output	Dynamic range	>105dB
Mic	10dB	55dB	60dB	Frequency response	20Hz - 20kHz +/-0.5dB
Line	0dB	45dB	50dB	Distortion THD @ 1kHz	0.0035% stereo line to L/R output @ nominal
Stereo	0dB	10dB	10dB	RIAA (phono)	accurate to +/-0.3dB magnetic cartridge equalisation
EQ	Lo	Mid	Hi	Power Requirements / Consumption	115V / 230V +/-10% ~ 50/60Hzx
Mic / Line +/-15dB 6dB/oct	60Hz	250Hz - 6kHz	12kHz	Dimensions (WxHxD)	482mm (19") x 266mm (10.5") x 114mm (4.5")
Stereo +10/-36dB 12dB/oct	45Hz	1kHz	12kHz	Weight	Net / Shipping 6kg (13.2lb) / 8kg (17.6lb)
Mic/Line High Pass Filter	80Hz 18dB/octave				
Noise	Mic EIN	-128dBu			
	Signal to noise ratio	>85dB (unweighted) @ typical control settings			



# EVENT

## COMPACT BOX MIXER

The all new **EVENT** series of high performance compact box mixers open bring the Studiomaster powered mixer knowledge to a wider audience. With the Event 712 and 78 benefiting from lightweight powerful 500W CLASS D amplification, and an impressive feature set, including compressors on mic inputs, built in high quality DSP effects, and an MP3 player with USB and SD card input. A separate USB socket for additional playback and recording is also included. The smallest model the Event 14 is ultra compact and robust, perfect for your small gigs where you need just enough power and inputs.



### EVENT 14 4 MIC CHANNELS 100W

- 2 x 50W built in amplifiers
- Ultra compact footprint
- Built in MP3 player with USB and SD card inputs



### EVENT 78 6 MIC - 2 STEREO CHANNELS 500W

- CLASS D 2 x 250W lightweight amplification
- Built in compressor on mic channels
- High quality DSP effects, MP3 player and USB record/playback
- 3 band EQ on inputs, 2 auxiliaries and twin 7 band graphic EQ



### EVENT 712 10 MIC - 2 STEREO CHANNELS 500W

- CLASS D 2 x 250W lightweight amplification
- Built in compressor on mic channels
- High quality DSP effects, MP3 player and USB record/playback
- 3 band EQ on inputs, 2 auxiliaries and twin 7 band graphic EQ

### SPECIFICATIONS EVENT

	EVENT 712	EVENT 78	EVENT 14	EVENT 712	EVENT 78	EVENT 14
Mic Channels (inputs)	4 (6)	8 (10)	4			
Stereo Channels	2	2	-			
Auxiliaries	2	2	1			
Amplifier power at 4 ohms	2x250W	2x250W	2x50W			
Frequency response	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz			
THD	<0.5%	<0.5%	<0.5%			
EIN	-117dBu	-117dBu	-117dBu			
Crosstalk	<-65dB	<-65dB	<-65dB			



# POWERHOUSE 1000X POWERED MIXERS

The Powerhouse range started back in 1988 and instantly redefined what a powered mixer should be capable of. Since then many thousands are still in daily use providing musicians around the world with reliable portable sound systems. Now, two decades later, the Powerhouse 1000X has arrived. Featuring four models from 10 to 18 channels, quality DSP effects and 500 Watts per channel of audio power. Each channel sports three band equalisation (with mid sweep on mic channels) 60mm smooth operation faders and routing to a stereo sub group. A handy light socket accepts a standard 12V goose neck lamp and a selectable 9 band graphic equaliser provides tone adjustment on the main mix outputs. The switch mode power supply weighs half a conventional design but maintains stable power under all operation conditions. The Powerhouse 1000X-10R is rack mounting only featuring 10 mic/line channels. The 1000X-10, 14 and 18 include two stereo channels.



## PH1000X-10R 10 MIC CHANNEL RACK MOUNTING

## PH1000X-10 8 MIC 2 STEREO CHANNEL

## PH1000X-14 12 MIC 2 STEREO CHANNEL

## PH1000X-18 16 MIC 2 STEREO CHANNEL

- Lightweight 2 x 500W power amplifiers
- Choice of four models from 10 to 18 channel
- 3 Band EQ with mid sweep on mic channels
- 32 High quality DSP effects
- Stereo 9 band graphic equaliser
- 12V gooseneck lamp connector
- 60mm smooth operation faders
- 2 auxiliaries and stereo sub group



### SPECIFICATIONS POWERHOUSE 1000X

		PH1000X-10R	PH1000X-10	PH1000X-14	PH1000X-18
Channels		10	10	14	18
Mic channels		10	8	12	16
Stereo channels		-	2	2	2
Input gain	min - max	20dB - 60dB	20dB - 60dB	20dB - 60dB	20dB - 60dB
Mic EIN		127dB	127dB	127dB	127dB
Frequency response	in - out 50% power	20Hz-20kHz +/-1dB	20Hz-20kHz +/-1dB	20Hz-20kHz +/-1dB	20Hz-20kHz +/-1dB
EQ	HI +/-15dB MID (mic ch) +/-15dB MID (st ch) +/-15dB LO +/- 15dB	12kHz 500Hz - 5kHz 2.5kHz 60Hz	12kHz 500Hz - 5kHz 2.5kHz 60Hz	12kHz 500Hz - 5kHz 2.5kHz 60Hz	12kHz 500Hz - 5kHz 2.5kHz 60Hz
Graphic EQ		9 band : 63Hz, 125Hz, 250Hz, 500Hz, 1kHz, 2kHz, 4kHz, 8kHz, 16kHz	9 band : 63Hz, 125Hz, 250Hz, 500Hz, 1kHz, 2kHz, 4kHz, 8kHz, 16kHz	9 band : 63Hz, 125Hz, 250Hz, 500Hz, 1kHz, 2kHz, 4kHz, 8kHz, 16kHz	9 band : 63Hz, 125Hz, 250Hz, 500Hz, 1kHz, 2kHz, 4kHz, 8kHz, 16kHz
Hi pass filter		80Hz @ 18dB/oct	80Hz @ 18dB/oct	80Hz @ 18dB/oct	80Hz @ 18dB/oct
On board effects processor		24bit, 32 preset	24bit, 32 preset	24bit, 32 preset	24bit, 32 preset
Rated amplifier output per channel 1% distortion		500W into 4ohm 300W into 8ohm	500W into 4 ohm 300W into 8 ohm	500W into 4 ohm 300W into 8 ohm	500W into 4 ohm 300W into 8 ohm
Speaker outputs		2 x 4 pole industry standard speaker output sockets			
Power requirements		230V model : 220-240V ~ 50/60Hz			
Size (WxHxD)		483x150x410mm	484x150x410mm	590x150x410mm	696x150x410mm
Weight		15.5kg (34.2lb)	15.5kg (34.2lb)	16kg (35.3lb)	16.5kg (36.4kg)

# DX COMPACT 1U AMPLIFIER

The DX400 is a robust, one rack space amplifier suitable for the smaller PA system and studio monitoring.

The steel enclosure houses the reliable bi-polar amplifiers that are cooled by twin variable speed fans. Signal inputs are via xlr, jack and RCA phono connectors whilst the outputs have binding posts and industry standard 4 pole connectors. Signal status employs SIG and CLIP leds and volume is controlled by individual level controls. Its small size and low weight make it a great full range amplifier that will sound good on live or monitoring duties.



## DX400 2 x 400W COMPACT 1U POWER AMPLIFIER

- Small size only one rack space
- Multiple inputs on XLR, jack and phono
- Switchable limiter
- Ideal for live and monitoring



### SPECIFICATIONS DX400

Output power per channel @ 4 ohms	200 W RMS	Cooling	Twin variable speed fans. Rear to front airflow
Output power per channel @ 8 ohms	120 W RMS	Protection	D.C. short/open circuit, Thermal
Input sensitivity	XLR & jack : 0dBu	Status LEDs	Power, Signal, Peak
Input impedance	10k ohm balanced	Connection	Inputs
Frequency response	5Hz - 20kHz +/-1dB	Outputs	XLR, jack, RCA phono
Voltage gain	31dB	Power requirements	4 pole industry standard sockets, binding posts
Distortion	0.01%	115V model	
Signal to noise ratio	95dB	Power consumption	230V model : 220-240V ~ 50/60Hz
Damping factor	150	1/3 power pink noise	110-120V ~ 50/60Hz
			2.5A @ 230V, 5A @ 115V
		Size (WxHxD)	482mm(19") x 44mm(1.75") x 375mm(14.8")
		Weight (net/shipping)	10.2kg(22.4lb) / 13.1kg(28.8lb)

# GX

## ACTIVE & PASSIVE

The GX range sets a new standard in loudspeaker performance, portability and cost. The range comprises 10 models, 5 active (powered) and 5 passive (unpowered).

Both types feature 10", 12" & 15" full range cabinets and a 12" & 15" stage monitor. The strong trapezoidal shaped wooden cabinets are black carpet covered to give a stylish, durable finish while keeping weight to a minimum. All full range cabinets contain a 35mm speaker pole socket for stand mounting and all models have tough slotted handles, making transportation easy.

The passive cabinets have a pair of industry standard 4 pole speaker connectors for reliable operation and the flexibility to connect to additional cabinets.

The active range (denoted by the 'A' suffix in the model name) use a reliable on board bipolar amplifier matched to the custom designed loudspeaker components producing high quality sound at all volume levels. The comprehensive preamplifier section caters for just about any application:

Input one is microphone level with its own gain control and a choice of xlr or jack socket connectors.

Input two is for line level equipment (MP3/CD/keyboard, external mixer etc) with balanced XLR & RCA phono connectors and a level control. A line output facility has a level control and balanced XLR & jack connectors. This is ideal for linking to additional active cabinets or connecting to a recording device.

The three band EQ comprises HI, MID and LO controls

Finally the master level control lets you set the volume of the GX with a PEAK led showing when signals are getting too hot!  
An unusual feature of the active GX range is the ability to power an extra passive GX cabinet. This doubles the flexibility of the system letting you scale your PA to the venue size or adding additional speakers as and when funds are available increasing overall power.

So, for example, your PA could start with just a pair of GX15A active cabinets. When you start playing bigger gigs buy a pair of GX15 passive cabinets and power them from the GX15As.



GX Active Models Rear Panel



**GX10A / GX10 2 WAY 10" ACTIVE/PASSIVE**

**GX12A / GX12 2 WAY 12" ACTIVE/PASSIVE**

**GX15A / GX15 2 WAY 15" ACTIVE/PASSIVE**

**GX12MA / GX12M 12" MONITOR ACTIVE/PASSIVE**

**GX15MA / GX15M 15" MONITOR ACTIVE/PASSIVE**

- Low cost full range speaker system
- GX10/12 and 15 designed as useful trapezoidal enclosures
- Comprehensive onboard mixer on active models
- Durable carpet covered enclosures
- Active models feature balanced mic and line inputs

SPECIFICATION	GX10A	GX12A	GX15A	GX12MA	GX15MA
Active Models	2 Way 10"	2 Way 12"	2 Way 15"	12" Monitor	15" Monitor
Output Power Program	70W	140W	170W	140W	170W
With Extension Speaker	100W	200W	250W	200W	250W
Profile	Trapezoidal	Trapezoidal	Trapezoidal	30° Wedge	32° Wedge
Frequency response	80Hz-18kHz	60Hz-18kHz	40Hz-18kHz	60Hz-18kHz	40Hz-18kHz
Maximum SPL	120dB	124 dB	126dB	124dB	126dB
Crossover frequency	4kHz	4kHz	3kHz	4kHz	3kHz
Low frequency driver	10" Cast Chassis	12" Cast Chassis	15" Cast Chassis	12" Cast Chassis	15" Cast Chassis
High frequency driver	piezo	piezo	1.35" driver	piezo	1.35" driver
Coverage (H x V)	90 x 60 degree	90 x 60 degree	90 x 60 degree	90 x 60 degree	90 x 60 degree
HIGH EQ (±15dB)	10kHz	10kHz	10kHz	10kHz	10kHz
MID EQ (±12dB)	2.5kHz	2.5kHz	2.5kHz	2.5kHz	2.5kHz
LOW EQ (±15dB)	100Hz	100Hz	100Hz	100Hz	100Hz
Connectors		Balanced XLR + Jack			
MIC Input		Balanced XLR, Unbalanced RCA Phono			
LINE Input		1 x 4 pole industry stand sockets			
Extension speaker Output					
35mm Pole Socket	✓	✓	✓	✓	X
Power Requirements		230V Model: ±10% ~50/60Hz	115V Model: ±10% ~50/60Hz		
Size					
Width (max)	350mm(13.8")	390mm(15.4")	470mm(18.5")	400mm(15.7")	680mm(26.8")
Height	520mm(20.5")	570mm(22.4")	710mm(28")	530mm(20.9")	470mm(18.5")
Depth	260mm(10.2")	290mm(11.4")	350mm(13.8")	370mm(14.6")	350mm(13.8")
Weight					
Net	13kg(28.6lb)	16kg(44lb)	21kg(57.2lb)	16kg(44lb)	21kg(57.2lb)
Shipping	11.5kg(31.9lb)	17.5kg(47.3lb)	23kg(61.6lb)	17.5kg(47.3lb)	23kg(61.6lb)

SPECIFICATION	GX10	GX12	GX15	GX12M	GX15M
Passive Models	2 Way 10"	2 Way 12"	2 Way 15"	12" Monitor	15" Monitor
Power Handling	150W(continuous)600W(Peak)	200W(continuous)800W(Peak)	250W(continuous)1000W(Peak)	200W(continuous)800W(Peak)	250W(continuous)1000W(Peak)
Nominal Impedance	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm
Profile	Trapezoidal	Trapezoidal	Trapezoidal	30° Wedge	32° Wedge
Frequency response	80Hz-18kHz	60Hz-18kHz	40Hz-18kHz	60Hz-18kHz	40Hz-18kHz
Maximum SPL	95dB	97dB	98dB	97dB	98dB
Crossover frequency	4kHz	4kHz	3kHz	4kHz	3kHz
Low frequency driver	10" Cast Chassis	12" Cast Chassis	15" Cast Chassis	12" Cast Chassis	15" Cast Chassis
High frequency driver	piezo	piezo	1.35" driver	piezo	1.35" driver
Coverage (H x V)	90 x 60 degree	90 x 60 degree	90 x 60 degree	90 x 60 degree	90 x 60 degree
35mm Pole Socket	✓	✓	✓	✓	X
Connection (parallel wired)	2 x 4 pole industry stand sockets				
Size					
Width (max)	350mm(13.8")	390mm(15.4")	470mm(18.5")	400mm(15.7")	680mm(26.8")
Height	520mm(20.5")	570mm(22.4")	710mm(28")	530mm(20.9")	470mm(18.5")
Depth	260mm(10.2")	290mm(11.4")	350mm(13.8")	370mm(14.6")	350mm(13.8")
Weight					
Net	10kg(22lb)	16kg(35.2lb)	21kg(46.2lb)	16kg(35.2lb)	21kg(46.2lb)
Shipping	11.5kg(25.3lb)	17.5kg(38.5lb)	23kg(50.6lb)	17.5kg(38.5lb)	23kg(50.6lb)

# DRIVE

## ACTIVE & PASSIVE INJECTION MOULDED

New to the Studiomaster range, is a low cost yet still high performance version of our premium specification and performance XPX series cabinets. Designed as a direct replacement to the hugely successful VPX series, the DRIVE series offer increased power and SPL, reliable Class D amplifiers.

The new DRIVE series, available in 12" and 15" variants, and in both active and passive configurations. Offering up to 1200 watts (peak) in the 15" passive model, the specification and quality of these models is putting these new units at the front of the queue for touch, affordable, great sounding moulded cabinets.

All models come in a great looking high quality injection moulded cabinet, with the additional benefits of 35mm speaker pole connectors, and multiple M10 flying points, and large, easy to grip carry handles.

The active models feature 3 band EQ, mic/line input connections on XLR and Jack, gain and level controls and a LINK facility to connect through to multiple cabinets from one signal source. The new Class D amplifiers in these models has been designed to deliver high power and a clean sound at all power levels.

The passive 12" and 15" are fitted with high performance components, to deliver the 500 / 600 watts of program power respectively.



**DRIVE 4A 12" ACTIVE 310W (RMS)**

**DRIVE 6A 15" ACTIVE 310W (RMS)**

**DRIVE 4 12" PASSIVE 500W (PGM)**

**DRIVE 6 15" PASSIVE 600W (PGM)**

- 12" and 15" models available in either active or passive variants
- Lightweight, high powered components
- 310W RMS, CLASS D amplification in active models
- Up to 1200W peak (300W RMS), high power output on passive models
- 1" throat compression drivers
- High quality durable injection moulded cabinet



SPECIFICATION (Active)	DRIVE 4A	DRIVE 6A
Type	12" two way active full range cabinet	15" two way active full range cabinet
Frequency response(-10dB)	50Hz-20KHz	45Hz-20KHz
Input Sensitivity (line)	-10dBv	-10dBv
Input Sensitivity (mic)	-40dBv	-40dBv
Max SPL(dB)	126dB	127dB
AMP power	250W (LF)+60W (HF)	250W (LF)+60W (HF)
LF	12" woofer/50mm voice coil/200W/8Ω	15" woofer/50mm voice coil/200W/8Ω
HF	34mm compression driver/1" throat/30W	34mm compression driver/1.5" throat/30W
Coverage(HxV)	80° x40°	80° x40°
Crossover	2.0KHz	2.0KHz
Input connector	JACK/XLR	JACK/XLR
Input voltage	115V / 230V	115V / 230V
Hanging system	5×M10 hanging points	5×M10 hanging points
Dimension(WxHxD)	390×630×360 (mm)	450×710×370 (mm)
Weight	19Kg	22Kg

SPECIFICATION (Passive)	DRIVE 4	DRIVE 6
Type	12" 2 way passive full range loudspeaker	15" 2 way passive full range loudspeaker
Frequency response(-10dB)	50Hz-20KHz	45Hz-20KHz
Sensitivity (1m/1w)	96dB	97dB
Impedance	8 Ω	8 Ω
Max SPL	126dB	127dB
Power handling	250W(Continuous),1000W(Peak)	300W(Continuous),1200W(Peak)
Crossover	2.0KHz	2.0KHz
LF	12" woofer/65mm voice coil/250W	15" woofer/65mm voice coil/250W
HF	34mm compression driver/1" throat/30W	34mm compression driver/1" throat/30W
Coverage(HxV)	80°x40°	80°x40°
Input connector	2×4 pole	2×4 pole
Hanging system	5×M10 hanging points	5×M10 hanging points
Dimension(WxHxD)	390×630×360 (mm)	450×710×370 (mm)
Weight	18Kg	21Kg

# STARLIGHT

A full range powered speaker cabinet with inbuilt high powered LED lights and monitor speaker



**INTEGRATED LIGHTING**

**INTEGRATED AMPLIFIER**

**INTEGRATED MONITOR**



It can be difficult for an artist or band starting out to choose the best PA system for their needs. Add to this stage monitors and lighting and it becomes a real challenge.

For decades Studiomaster have been providing performers the tools they need to give their best performance and following that philosophy now introduce the first PA cabinet to integrate lighting and a monitoring system.

The angled cabinet has a recessed slot on one side that contains six high-power LEDs with dispersion lenses. An inbuilt controller has 13 programs including seven static colours, fade to colour change and sound to colour change. Brightness and speed are also adjustable.

They are supplied as pairs so the LEDs and monitors are angled in ward to the performers. When the cabinets are placed on speaker stands or poles, the vertical LED strips project a colour wash evenly across the stage.

The 4" 50 Watt monitor speaker is conveniently positioned at ear height to provide directional monitoring to the performers without the need for excessive volume. It derives its signal either from the main cabinet or from any external source such as an auxiliary output on a mixing console.

The PA section features a 250W amplifier, two channel mixer with 3 band EQ. The one inch throat 60x90 degree high frequency driver is paired to a heavy duty bass unit.

Starlight is the next logical step in reducing weight and complexity in a PA system.



**STARLIGHT 12ML 12" ACTIVE 250W / 50W / LIGHTS**

**STARLIGHT 15ML 15" ACTIVE 250W / 50W / LIGHTS**

- 12" and 15" 250W active models with integrated monitor and lighting
- Six high-power LEDs with dispersion lenses
- Built in controller with multiple programs
- Adjustable brightness and speed
- 50W monitor speaker positioned at ear height
- Comprehensive two channel mixer with 3 band EQ



## SPECIFICATION ALL MODELS

Gain Inputs to master level control	Min	Max	Range
Input 1 Mic	44dB	14dB	30dB
Input 1 Line	14dB	-16dB	30dB
Input 2 XLR Line	7dB	-23dB	30dB
Input 2 RCA Line	20dB	-10dB	30dB
Distortion	0.03%		
Frequency response (pre-amp)	40Hz - 30kHz		
Noise (pre-amp)	Mic @ 30dB gain -87dB, XLR Line @ 6dB gain -90dB		
Link output	nominal level -6dB max level 0dB		

MAIN AMPLIFIER SECTION		
Power	250W	250W
Speakers bass unit	12", 60mm VC	15", 60mm VC
Speakers HF unit	1.35 compression	1.35 compression
Crossover Frequency	4kHz	3kHz
Crossover Nominal dispersion (HxV)	90x60 degrees	90x60 degrees

MONITOR SECTION		
Power	50W	50W
Frequency response	200Hz - 8kHz	200Hz - 8kHz
Distortion	0.02%	0.02%
Speaker	1 x 4" sealed high output custom design	

LIGHTING SECTION	
LEDs	6 x 3 Watt tri-colour
Lenses	45 degree including diffusers
Control	13 program with ON/OFF, music input, brightness & speed adjustment

Cabinet	Braced, 15mm 9-ply wood with black fabric covering. Black power coated perforate steel grille
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Connections Inputs	Balanced XLR, TRS jack, RCA phono
Connections Output	XLR (balanced/unbalanced compatible)

Power requirements	250 Watts, 50/60Hz ~
Voltage selector	230V/115V

Dimensions WxHxD mm(inches)	420(16.6) x 715(28.2) x 545(21.5)	585(23) x 810(31.9) x 500(19.7)
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Weight Net	22.7kg (49.9lb)	26.7kg (58.7lb)
Weight Shipping	27.7kg (60.9lb)	33.8kg (74.3lb)



# studiomaster suggestions



## GIG suggested package 1

### GIGPACK1



- 1 x C2S-4 4 mic / 2 stereo compact mixer with USB
- 2 x GX10A 140W 2-way 12" active speaker cabinet
- 1 x WRM1 single channel handheld wireless microphone
- 1 PAIR x SPS1 speaker stands with carry bag

**280 WATT BASIC PA**  
SUITABLE FOR UP TO 100 PERSONS

**CORPORATE EVENTS**  
**SCHOOLS**  
**KEEP FIT**

## GIG suggested package 3

### GIGPACK3



- 1 x C3X 12 Input 4 mic / 4 stereo mixer with DSP
- 2 x STARLIGHT 12ML 250W 12" integrated active speaker + lighting
- 2 x KM92 dynamic microphone
- 1 PAIR x SPS1 speaker stands with carry bag

**500 WATT PA**  
SUITABLE FOR 100 TO 200 PERSONS

**SOLO PERFORMER**  
**DUO PERFORMER**

## GIG suggested package 2

### GIGPACK2



- 1 x FUSION+ 11Input entertainment console
- 2 x STARLIGHT 12ML 250W 12" integrated active speaker + lighting
- 1 x WRM2 dual channel handheld wireless microphone
- 1 PAIR x SPS1 speaker stands with carry bag

**500 WATT PA**  
SUITABLE FOR 100 TO 200 PERSONS

**DJ**  
**KARAOKE**

## GIG suggested package 4

### GIGPACK4



- 1 x PH1000X-10 8 mic 2 stereo 2x500W powered mixer
- 4 x GX15 250W 2-way 15" passive speaker cabinet
- 4 x KM92 dynamic microphone

**1000 WATT PA**  
SUITABLE FOR 200 TO 300 PERSONS

**BANDS**  
**DJ**

# C6

## COMPACT MIXERS

The new C6 series comprises four models. Available in either 12 or 16 input variations. 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.

With all the features and benefits of the C6-12/16, the range is enhanced with the addition of the C6XS-12 and C6XS-16, which although offer an identical channel count, have the following additional features.  
USB facility for stereo record / playback facility, making it ideal for project home recording or supplying interval / backing music to your live performance. Also included is a high quality 16 programme DSP effects unit.

All models in the range additionally benefit from : +48V phantom power on mic channels, high quality 60mm smooth faders, balanced XLR outputs, and a robust quiet internal switchmode power supply.



**C6-12** 6 MIC - 4 STEREO CHANNELS

**C6XS-12** 6 MIC - 4 STEREO CHANNELS INC DSP/USB

**C6-16** 10 MIC - 4 STEREO CHANNELS

**C6XS-16** 10 MIC - 4 STEREO CHANNELS INC DSP/USB

- 12 and 16 input models
- 3 Band EQ on all channels
- 1 / 2 Stereo sub groups 2 / 4 auxiliaries (depending on model)
- USB recording / playback on XS models
- High quality DSP effects on XS models
- Mic channels feature adjustable compressor facility

SPECIFICATIONS	C6-12	C6XS-12	C6-16	C6XS-16
Channels	12	12	16	16
Mic Inputs	6	6	10	10
Stereo Inputs	4	4	4	4
Gain	MIN - MAX	15 dB --60 dB	15 dB --60 dB	15 dB --60 dB
Mic EIN	-128dB	-128dB	-128dB	-128dB
Frequency response	20HZ-20KHZ+1-3	20HZ-20KHZ+1-3	20HZ-20KHZ+1-3	20HZ-20KHZ+1-3
Mic Channel THD	≤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 Mid 2.7KHZ Lo 100HZ Lo Cut 100HZ	12KHZ 2.7KHZ 100HZ 100HZ	12KHZ 500HZ-2.7KHZ 100HZ 100HZ	12KHZ 500HZ-2.7KHZ 100HZ 100HZ
USB Audio	NO	YES	NO	YES
DSP EFX	NO	YES	NO	YES
Power requirements	30W	30W	35W	35W
DIMENSIONS	475X225X515(mm)	475X225X515(mm)	585X590X250(mm)	585X590X250(mm)



# 162BPX

## COMPACT RACK MIXER

Designed as a one stop solution for professional installations, the 162BPX has proven to be perfect for applications where a high quality, compact and reliable mixer is essential.

The 162BPX is a 16 channel rack mount mixer with balanced mic/line inputs, custom DSP and all connections on the rear panel. The solid build and reassuring feel of the controls, leaves you in no doubt that you are dealing with a serious, professional workhorse. The 162BPX boasts a total of 28 inputs, regulated internal power supply and takes up just 6 spaces in a 19" rack.

The 16 channels are made up of twelve mic/line and four combination mic/stereo line inputs. This gives you the flexibility to connect 16 mics and 4 stereo devices simultaneously. Phantom power (+48V) is available on all mic XLR inputs so you can use condenser mics with confidence.

### 162BPX 16 CHANNEL 28 INPUT RACK MIXER

- 16 Channels, 28 Inputs
- 3 Band EQ with mid sweep on mic channels
- High quality DSP effects
- Compact 6 rack space mounting
- Robust internally modular construction for long term reliability



### SPECIFICATIONS 162BPX

Input Gain	Min	Max	Max to output	Maximum Input Levels	At Max gain	At Min gain
Mic (to L/R)	12dB	60dB	48dB	Mic	-38dBu	+10dBu
Line (to L/R)	-8dB	40dB	48dB	Line	-21dBu	+28dBu
Stereo (to L/R)	0dB	12dB	12dB	Stereo line	+10dBu	+22dBu
				Aux input	+16dBu	+22dBu
EQ	Mic channels	Lo	Mid	Hi	Output Levels	
	Stereo channels	60Hz	250Hz-6kHz	12kHz	Mono insert	Normal
		45Hz			Aux sends 1/2	Maximum
Noise	Mic EIN	-128dBu			L/R outputs	+22dBu
Signal to noise ratio (unweighted @ typ settings)	>85dB				L/R inserts	+4dBu
Dynamic range	>105dB				Phones	+28dBu
Frequency response	20Hz - 20kHz +/-0.5dB					-2dBu
DSP	Reverb mode	3 vocal, 1 adt, 2 reverb			Power Requirements	Voltage selector
	Delay mode	6 settings between 100ms and 720ms				115V / 230V +/-10% ~ 50/60Hz
Metering	LED bargraphs	peak reading 12 segment 3 colour			Dimensions (WxHxD)	482mm (19") x 120mm (4.8") x 266mm (10.5")
					Weight	Net / Shipping
						7kg (15.4lb) / 8.2kg (18.1lb)

# HORIZON

## POWERED & NON-POWERED MIXERS

The all new Horizon range consists of four models. Two powered and two non-powered consoles

Featuring twin effects DSP, dynamics processors, two way active cross-over and a choice of 12 or 20 input configurations. The powered versions pack a colossal 2000 Watts of power assignable for PA or stage monitor duties.

The Horizon range is the latest development by Studiometer in their long running, world renowned range of mixing consoles. After 30 years experience in audio development, Studiometer took a completely fresh approach to this new design focusing on the modern musician, sound engineer, performer and what they demand from a compact live mixer. Light aluminium panels and custom extrusions create an ultra modern, elegant design with the emphasis on portability and minimum weight. The control surface specifies only the features you need minimising clutter, placing the emphasis on performance and not the equipment!

Built in optical compressors    USB record / playback    Twin effect processors

with HALITE technology



Lightweight aluminium construction

Sustainable bamboo end cheeks

Massive 2000W power

This is the first product to use the latest generation of Studiometer mic pre-amp design. Ultra low noise discrete circuitry is sonically improved, translating to clearer vocals for you.

The Horizon is the only mixer in its class to use an optical compressor on input channels. Adapted from the Studiometer Vocal Management System (VMS) it will give your performance the smooth delivery it deserves. The legendary Studiometer three band EQ, with mid sweep, is fitted as standard and four auxiliary sends feed the onboard effects and connections for external stage monitor systems. In 1995 we introduced the first combined mic and stereo input channel giving maximum flexibility in the minimum of space. Naturally they are included on the Horizon.

Twin Digital Signal Processors are provided with 8 studio quality effects and a fully variable delay. No 128 programs here to step through (127 mostly unusable!) just instant access to quality effects.

A USB 2.0 interface provides easy connection to your computer along with traditional RCA phono connections for recording and playback. There are two sets of stereo mixer outputs - MIX and MIX2 - increasing flexibility especially when the on-board stereo 2 way 100Hz crossover is activated, additional amplifier and speakers can be connected to create a mega PA system.

All powered models contain twin 1000W Class D amplifiers with their own switch mode power supply, ensuring no interaction between them to compromise performance. This results in solid bass response with clear mids and outstanding reliability.

Completing the package all Horizons are shipped with a foot switch, flexible 12V LED goose neck light and 19" rack mount kit (12 input models only).

To protect your investment on the road there is an optional fabric carry bag tailor made to fit the 12 input models with space included for cables. For the 20 input models an optional flight case can be specified.



### HORIZON 2012 12 INPUT 2000W POWERED MIXER

### HORIZON 2020 20 INPUT 2000W POWERED MIXER

- Massive 2 x 1000 watts Class D power amplifiers
- Lightweight aluminium construction
- Built in optical compressors
- Twin effects processors
- USB record / playback
- Sustainable Bamboo end cheeks
- Halite illumination technology

### HORIZON 12 12 INPUT MIXER

### HORIZON 20 20 INPUT MIXER

- All the mixer features of the powered units
- All models feature 4 auxiliaries
- Stereo 9 band graphic output equaliser
- 12V gooseneck lamp connector
- 60mm smooth operation faders
- Ultra quiet switch mode power supply

### SPECIFICATIONS HORIZON

	12	20	2012	2020	
Mic channels	6	12	6	20	Frequency response
Stereo / mic channels	3	4	3	4	Inputs to mix out
Total channel inputs	12	20	12	20	Amplifiers
Compressors	3	4	3	4	Mic in to mix out
					Mix in to speaker out
Input Gain	Min	Max	Range		Mic in to speaker out
Mic	10dB	58dB	48dB		
Line	-10dB	36dB	48dB		Noise 20Hz-20kHz
Stereo mic	8dB	56dB	48dB		Mic EIN
Stereo line	-11dB	20dB	31dB		Mix out residual
					Mix faders at 0dB
EQ		Lo	Mid	Hi	Mic to speaker out
Mic channels	+/-15dB Q=1	80Hz(s)	100Hz - 8kHz(p)	12kHz(s)	
Stereo channels	+/-15dB Q=0.7	45Hz(s)	2.5kHz(s)	12kHz(s)	Attenuation
Auxiliary sends	+/-15dB Q=0.7	60Hz(s)	2.5kHz(s)	12kHz(s)	Mute switches
Graphic equaliser	+/-9dB Q=1.7	63, 125, 250, 500, 1k, 2k, 4k, 8k, 16kHz			Output faders
Hi pass filter (all channels)	80Hz @ 18dB/oct				Connections
Notch filter	100Hz - 7kHz, -9dB, Q=2.4				Mixer inputs
					Mixer outputs
Vocal compressor	Threshold	Ratio	Attack	Release	Amplifier outputs
Stereo crossover	-20dB	4:1	1mS	100ms	12V lamp socket
Phantom power	Hi pass to MIX output, Lo pass to MIX2 output				USB socket
	+48V switchable separately to mono/stereo ch				
Power output	2012/2020 models	1000 watts both ch @ 0.08% THD 4 ohms			Power requirements
		600 watts both ch @ 1% THD 8 ohms			Horizon 12 / 20
Cooling	2012/2020 models	Variable speed 80mm fan			Horizon 2012 / 2020
Effects 24 bit sampling, 8 program, variable delay		Reverb : 3 x vocal, 1 x ADT, 2 x reverb, 2 x plate			Dimensions (WxHxD)
		Delay : variable 10ms to 720ms			Horizon 12
Muting : Individual front panel & footswitch		Regen (in delay mode) : variable 10% to 90%			Horizon 20
					Horizon 2012
					Horizon 2020
					Weight (net/shipping)
					Horizon 12
					Horizon 20
					Horizon 2012
					Horizon 2020



# AX2

## POWER AMPLIFIER

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.

# AX2

venue



### SPECIFICATIONS

#### AX2

	AX215	AX225	AX235		
<b>Output power per channel</b>					
Both channel @ 8 ohms RMS	270 watts	450 watts	710 watts	Cooling	Twin variable speed fans. Back to front airflow
Both channel @ 4 ohms RMS	450 watts	750 watts	1100 watts	Protection	Full short circuit, open circuit, thermal, ultrasonic and RF protection. Stable into mismatched or reactive loads
Both channel @ 2 ohms RMS	575 watts	990 watts	1450 watts		
Bridged @ 8 ohms RMS	900 watts	1500 watts	2200 watts	Output circuit type	AX215 : AB AX225 : AB+H(2) AX235 : AB+H(3)
Bridged @ 4 ohms RMS	1150 watts	1950 watts	2900 watts		
Input sensitivity	rated power 4 ohm	0dBu 0.775V		Power requirements	230V +/-10% 50/60Hz
Distortion THD	1kHz @ rated power	AX215/AX225 : 0.01% AX235 : 0.02%		Power consumption @ 230V 1/3power pink noise	AX215 : 4.6A AX225 : 7A AX235 : 8.2A
Frequency response	20Hz - 20kHz	+0 / -0.5dB		Connections	Input
Signal to noise ratio	rated power 4 ohm	100dB unweighted			Output
					Combination XLR and jack, Male XLR link socket
Input filter	3rd order 18dB/oct	35Hz			4 pole industry standard sockets
Crossover		Selectable 100 / 150Hz 3rd order filter		Size (WxHxD)	All models
				Weight (net/shipping)	AX215
					16kg(35.2lb) / 20kg(44lb)
					AX225
					19.4kg(42.7lb) / 23kg(50.6lb)
					AX235
					21.8kg(47.9lb) / 26kg(57.2lb)



**AX2 15 2 x 450W 2U POWER AMPLIFIER**

**AX2 25 2 x 750W 2U POWER AMPLIFIER**

**AX2 35 2 x 1100W 2U POWER AMPLIFIER**

- Compact size with up to 2900 watts in just 2 rack spaces
- Flexible 2 way active crossover built in
- 35Hz hi-pass filters
- Twin variable speed fan cooling
- Comprehensive status LEDs to monitor your amps performance
- Designed for continuous operation down to 2 ohms
- Three different modes of operation
- High durability, fully ventilated chassis



# TRX

## ACTIVE & PASSIVE

The TRX series is a range of high performance, versatile enclosures with a massive 15 models to choose from, with both passive and active models in the range.

All models feature cast aluminium chassis heavy duty bass transducers with large 1" throat compression drivers, packaged in a rugged hard wearing paint finish. TRX10, 12, 15 and 15M passive and active models have multiple M10 hanging points, and the TRX10, 12 and 15 also feature 35mm pole sockets.

All models have large recessed side handles, and for total ease the larger 2x15" TRX215 comes with rear mounted castors.



TRX 12A Rear



- TRX10A / TRX10 2 WAY 10" ACTIVE/PASSIVE
- TRX12A / TRX12 2 WAY 12" ACTIVE/PASSIVE
- TRX15A / TRX15 2 WAY 15" ACTIVE/PASSIVE
- TRX215A / TRX215 2 x 15" ACTIVE/PASSIVE
- TRX15MA / TRX15M 15" ACTIVE/PASSIVE MONITOR
- TRX15S / TRX15SA 15" SUB ACTIVE/PASSIVE
- TRX18S / TRX18SA 18" SUB ACTIVE/PASSIVE
- TRX218S 2 x 18" SUB PASSIVE

- Large 15 models to choose from in the range
- All drivers are cast aluminium chassis
- 1" throat compression drivers
- Multiple M10 hanging points
- High quality durable cabinet finish

SPECIFICATION	TRX10A	TRX12A	TRX15A	TRX215A	TRX15MA
Type	10" 2 way active speaker	12" 2 way active speaker	15" 2 way active speaker	2x15" 2 way active speaker	15" 2 way active stage monitor
Freq Response(-10dB)	60Hz--20KHz	50Hz--20KHz	45Hz--20KHz	45Hz--20KHz	45Hz--20KHz
Sensitivity(1m/1W)	-10dBV (line)				
Power	200W	250W	250W	500W	250W
Crossover	2.0KHz	2.2KHz	2.0KHz	2.2KHz	2.2KHz
LF	10" LF /50 mm voice coil	12" LF/65mm voice coil	15" LF /65mm voice coil	15" LF /65mm voice coil	15" LF /65mm voice coil
HF	34mm compression driver/1" throat	34mm compression driver/1" throat	34mm compression driver/1" throat	44mm compression driver/1" throat	34mm compression driver/1" throat
Coverage(HxV)	80°x60°	80°x60°	80°x60°	80°x60°	80°x60°
Max SPL(@1m)	124dB	126dB	126dB	132dB	127dB
Hanging System	12"M10 hanging points	12"M10 hanging points	12"M10 hanging points	None	8"M10 hanging points
Dimension(WxHxD)	353.5x555x426(mm)	409x628x472(mm)	452.6x710x518 (mm)	471.7x1050x538(mm)	429x635x484(mm)
Weight	21.6Kg	25.5Kg	31.3Kg	54.7Kg	24.7Kg

SPECIFICATION	TRX15SA	TRX18SA
Type	15" active Subwoofer	18" active Subwoofer
Freq Response(-10dB)	35Hz--250Hz	38Hz--250Hz
Sensitivity	-10dBu	-10dBu
Max SPL	128dB	129dB
Power Amp.	400W	500W
LF	15"LF/75mm voice coil	18"LF/75mm voice coil
Crossover	80/100Hz	80/100Hz
Input Connector	JACK/XLR	JACK/XLR
Input Voltage	110V/240V	110V/240V
Dimension(WxHxD)	479x581x548(mm)	567x667x600 (mm)
Weight	47.6kg	57.8kg

SPECIFICATION	TRX10	TRX12	TRX15	TRX215	TRX15M
Type	10" 2 way passive speaker	12" 2 way passive speaker	15" 2 way passive speaker	2x15" 2 way passive speaker	15" 2 way passive stage monitor
Freq Response(-10dB)	60Hz--20KHz	50Hz--20KHz	45Hz--20KHz	40Hz--20KHz	45Hz--20KHz
Sensitivity(1m/1W)	94dB	96dB	96dB	99dB	97dB
Rated impedance	8 Ω	8 Ω	8 Ω	4 Ω	8 Ω
Power Handling	200W(continuous)800W(Peak)	250W(continuous)1000W(Peak)	250W(continuous)1000W(Peak)	500W(continuous)2000W(Peak)	250W(continuous)1000W(Peak)
Crossover	2.0KHz	2.2KHz	2.0KHz	2.2KHz	2.2KHz
LF	10" LF /50mm voice coil	12" LF/65mm voice coil	15" LF /65mm voice coil	15" LF /65mm voice coil	15" LF /65mm voice coil
HF	34mm compression driver/1" throat	34mm compression driver/1" throat	34mm compression driver/1" throat	44mm compression driver/1" throat	34mm compression driver/1" throat
Coverage(HxV)	80°x60°	80°x60°	80°x60°	80°x60°	80°x60°
Max SPL(@1m)	124dB	126dB	126dB	132dB	127dB
Input Mode	2x4-pole industry std sockets	2x4-pole industry std sockets	2x4-pole industry std sockets	2x4-pole industry std sockets, jack	2x4-pole industry std sockets, jack
Hanging System	12"M10 hanging points	12"M10 hanging points	12"M10 hanging points	None	8"M10 hanging points
Dimension(WxHxD)	353.5x555x426 (mm)	409x628x472 (mm)	452.6x710x518(mm)	469x1050x538(mm)	429x635x484(mm)
Weight	19.1Kg	23Kg	28.6Kg	48Kg	27Kg

SPECIFICATION	TRX15S	TRX18S	TRX218S
Type	15" subwoofer	18" subwoofer	2x18" subwoofer
Frequency Response	40Hz--250Hz	38Hz--250Hz	35Hz--250Hz
Power Handling	600W(continuous)2400W(Peak)	600W(continuous)2400W(Peak)	1200W(continuous)4800W(Peak)
Sensitivity	96dB	96dB	99dB
Max SPL	129dB	129dB	136dB
Rated Impedance	8Ω	8Ω	4Ω
LF	15"LF/100mm Voice Coil	18"LF/100mm Voice Coil	2x18"LF/100mm Voice Coil
Dimension(WxHxD)	479x581x548(mm)	567x667x600(mm)	1200x520x700(mm)
Weight	35.2Kg	47.5Kg	84Kg

# VENTURE

## ACTIVE & PASSIVE

The new Venture Series are ultra compact, high-definition active/passive loudspeakers. Featuring 12 & 15 inch 2-way cabinets and a matched 18 inch sub, their huge system power make them the ideal PA or stage monitor solution.

Weighing in at just 17kg (Venture 12) and peak power handling in excess of 1,500 watts their simplicity of use is only rivalled by the sonic impact, bass response and clarity they can produce. For a class leading PA system at "industry leading pricing" look no further.

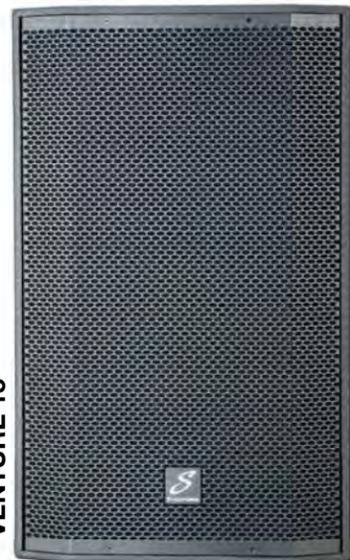
**VENTURE 12A / 12 2 WAY 12" ACTIVE/PASSIVE**

**VENTURE 15A / 15 2 WAY 15" ACTIVE/PASSIVE**

**VENTURE 18SA / 18S 18" SUB ACTIVE/PASSIVE**



VENTURE 12



VENTURE 15



VENTURE 18S



As a premium range product, the Venture series are a perfect system match for our new Horizon mixer range. The availability of both the speakers and the mixers in powered and passive models offers a wide range of system options for professional quality, small and medium scale fixed and portable reinforcement systems for all manner of applications.

- 1600 watts of power and 17kg weight – impressive!
- Class D amplification for optimal performance
- Neodymium components (passive models)
- Multiple M10 hanging points
- Industrial grade 9-ply braced cabinets

The industrial grade 9-ply cabinets are internally braced and finished in wear-resistant black textured coating, with a steel front grille. A 60° rear bevel enables the 12 and 15 inch cabinets to also be used as stage monitors. The Class-D bi-amplified active cabs deliver a total of 600 watts rms power to the bass and HF drivers, with a peak system power rating of 1200 watts. All principal components – drivers, cabinet and integrated electronics – were designed specifically and matched meticulously for the Venture project. The resultant performance and sound quality has exceeded design expectations, with a smooth frequency response and highly accurate crossover points, and the ability to deliver that sound quality at high SPLs, in excess of 130dB.



A high efficiency switch-mode power supply provides ample reserve power for the class D amplifiers, ensuring their optimum performance; the amplifiers and power supply are a high efficiency design requiring no cooling fans. The one inch HF compression drivers feature a light alloy diaphragm and copper clad aluminium voice coil.

The active cabinets feature a 2-channel rear panel mixer section; one channel with balanced XLR mic and ¼ inch jack line inputs and the other with balanced XLR and stereo phono line level inputs. An XLR LINK line level output enables connection of additional speaker cabinets. There are master level and channel level controls, and green power-on and red peak LEDs. The 18SA sub features a balanced XLR input, a 100Hz hi pass filtered XLR output (to the mid/high cab) and XLR LINK output. Pole mount and M10 fly points, and fully recessed professional carry handles are all included.

The passive cabinets feature the same high quality construction and sound performance characteristics, and are rated at 800 watts program and 1600 watts peak power handling. Neodymium magnets are used in all drivers in the passive cabinets. Connectivity is with Speakon NL4 connectors throughout.



SPECIFICATION	VENTURE 12A	VENTURE 15A	VENTURE 18SA
Format	12inch two way	15inch two way	18inch subwoofer
Frequency response	60Hz –18kHz (-3dB)	55Hz –18kHz (-3dB)	45Hz –100Hz (-3dB)
Frequency range	55Hz –20kHz (-10dB)	45Hz –20kHz (-10dB)	35Hz –150Hz (-10dB)
Amplifier power, rms	LF 400W HF 200W	LF 400W HF 200W	450W
Peak system power	1200W	1200W	900W
Crossover frequency	1.7kHz	1.5kHz	
Woofer	12"dia, 2.5" voice coil, ferrite magnet	15"dia, 2.5" voice coil, ferrite magnet	18"dia, 3" voice coil, extended bass, ferrite magnet
Compression driver	1.7" voice coil, ferrite magnet	1.7" voice coil, ferrite magnet	
Coverage: Horizontal x Vertical	80°x60°	80°x60°	
Max SPL	132dB	134dB	134dB
Cabinet material	15mm ply wood	15mm ply wood	15mm ply wood
Input connections	2 channel, XLR, Jack, RCA phono	2 channel, XLR, Jack, RCA phono	XLR input, Link output, 100Hz filtered output
Fly points	13 x M10	13 x M10	None
Power requirements	230/115V ~ 50/60Hz	230/115V ~ 50/60Hz	230/115V ~ 50/60Hz
Dimension W * H * D	365x608x341 (mm)	430x704x400 (mm)	530x682x610 (mm)
Weight net/shipping	18kg / 20Kg	21.5kg / 25.6Kg	34.7kg / 41.7Kg

SPECIFICATION	VENTURE 12	VENTURE 15	VENTURE 18S
Format	12inch two way	15inch two way	18inch sub
Frequency response	60Hz –18kHz (-3dB)	55Hz –18kHz (-3dB)	45Hz –100Hz (-3dB)
Frequency range	55Hz –20kHz (-10dB)	45Hz –20kHz (-10dB)	35Hz –150Hz (-10dB)
Sensitivity 1W/1m	95 dB	96 dB	96 dB
Impedance	4 Ω	4 Ω	4 Ω
Power: Continuous, Program, Peak	400W, 800W, 1600W	400W, 800W, 1600W	400W, 800W, 1600W
Crossover frequency	1.7kHz	1.5kHz	
Woofer	12"dia, 3" voice coil, neo magnet	15"dia, 3" voice coil, neo magnet	18"dia, 4" voice coil, extended bass, neo magnet
Compression driver	1.7" voice coil, ferrite magnet	1.7" voice coil, ferrite magnet	
Coverage: Horizontal x Vertical	80°x 60°	80°x 60°	
Max SPL	132dB	134dB	134dB
Cabinet material	15mm ply wood	15mm ply wood	15mm ply wood
Connections	2 x speakon NL4	2 x speakon NL4	2 x speakon NL4
Fly points	13 x M10	13 x M10	None
Dimension W * H * D	365x608x341 (mm)	430x704x400 (mm)	530x682x610 (mm)
Weight net/shipping	17kg / 20Kg	21kg / 25Kg	30.7kg / 37.5Kg

# XPX

## ACTIVE & PASSIVE INJECTION MOULDED

Studiomaster have been producing injection moulded speakers for over 10 years with the aim of making PA more portable and the XPX series is set to take this to the next level.

The XPX is the latest design featuring a contemporary sleek look with exceptionally low weight and very high power. The series comprises a 12" and 15" bass driver in active and passive versions all with lightweight neodymium transducers. The two way configuration utilises heavy duty bass speakers and high efficiency compression drivers for clear and wide coverage of sound.



The self contained powered versions include class D amplifiers and switch mode power supplies that produce 600 Watts of power yet still weigh in at less than 20kg for the larger XPX15A! The XPX series is our most powerful yet lightest moulded speaker range to date that still retains the sound performance you expect from Studiomaster.



XPX15S/SA XPX18S/SA Rear  
XPX12A/ XPX15A

### XPX12A / XPX12 12" ACTIVE / PASSIVE

### XPX15A / XPX15 15" ACTIVE / PASSIVE

### XPX15SA / XPX15S 15" SUB ACTIVE / PASSIVE

### XPX18SA / XPX18S 18" SUB ACTIVE / PASSIVE

- 4 models in either active or passive variants
- Lightweight neodymium transducers in full range models
- CLASS D amplification in XPX12A and XPX15A
- High power output
- 1" throat compression drivers
- High quality durable injection moulded cabinet

#### SPECIFICATION (Active)

	XPX12A	XPX15A
Type	12" two way active full range cabinet	15" two way active full range cabinet
Frequency response(-10dB)	50Hz--20KHz	45Hz--20KHz
Input Sensitivity	0dBu	0dBu
Max SPL(dB)	130dB	132dB
AMP power	500W (LF)+100W (HF)	500W (LF)+100W (HF)
LF	12" woofer/75mm voice coil/400W/4Ω	15" woofer/75mm voice coil/400W/4Ω
HF	44mm compression driver/1" throat/40W	75mm compression driver/1.5" throat/80W
Coverage(HxV)	80° x40°	80° x40°
Crossover	2.0KHz	1.5KHz
Input connector	JACK/XLR	JACK/XLR
Input voltage	100V--240V	100V--240V
Hanging system	5×M10 hanging points	5×M10 hanging points
Dimension(WxHxD)	390×630×360 (mm)	450×710×370 (mm)
Weight	17Kg	20Kg

#### SPECIFICATION (Passive)

	XPX12	XPX15
Type	12" 2 way passive full range loudspeaker	15" 2 way passive full range loudspeaker
Frequency response(-10dB)	50Hz--20KHz	45Hz--20KHz
Sensitivity	96dB	98dB
Impedance	8 Ω	8 Ω
Max SPL	128dB	130dB
Power handling	400W(Continuous),1600W(Peak)	400W(Continuous),1600W(Peak)
Crossover	2.0KHz	1.6KHz
LF	12" woofer/75mm voice coil/400W	15" woofer/75mm voice coil/400W
HF	44mm compression driver/1" throat/40W	75mm compression driver/1.5" throat/80W
Coverage(HxV)	80°x40°	80°x40°
Input connector	2×4 pole	2×4 pole
Hanging system	5×M10 hanging points	5×M10 hanging points
Dimension(WxHxD)	390×630×360 (mm)	450×710×370 (mm)
Weight	16Kg	19Kg

#### SPECIFICATION (Active)

	XPX15SA	XPX18SA
Type	15" Active Subwoofer	18" Active Subwoofer
Frequency Response(-10dB)	38Hz--100Hz	32Hz--100Hz
Sensitivity	0dBu	0dBu
Max SPL	133dB	135dB
Amp Power Rated	1000W	1000W
LF	15" LF/100mm voice coil/600W/4Ω	18" LF/100mm voice coil/600W/4Ω
Crossover	80/100Hz	80/100Hz
Input connector	JACK/XLR	JACK/XLR
Input voltage	110V/240V (switch)	110V/240V (switch)
Dimension(WxHxD)	500x580x596.5 (mm)	556x650x653 (mm)
Weight	46.5kg	58kg

#### SPECIFICATION (Passive)

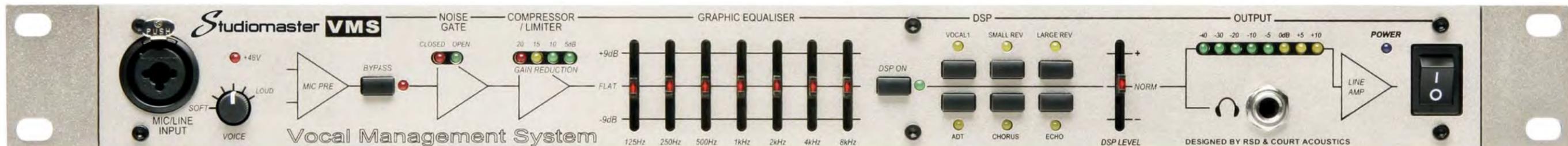
	XPX15S	XPX18S
Type	15" Passive Subwoofer	18" Passive Subwoofer
Frequency response(-10dB)	38Hz--100Hz	32Hz--100Hz
Sensitivity	97dB	98dB
Impedance	8Ω	8Ω
Power Handling	600W(Continuous),2400W(Peak)	600W(Continuous),2400W(Peak)
Crossover	80/100Hz	80/100Hz
LF	15" LF/100mm voice coil/600W	18" LF/100mm voice coil/600W
Max SPL	130dB	132dB
Input connector	2×4 pole	2×4 pole
Dimension(WxHxD)	500x580x596.5 (mm)	556x650x653 (mm)
Weight	38kg	48kg

# VMS

## VOCAL MANAGEMENT SYSTEM

Vocal sound in the live environment is arguably the most important factor of any performance but one often neglected in terms of technical facilities. In the recording studio there will be any number of signal processors and effects geared to enhancing the singer's voice to produce the best possible recording. On the stadium touring circuit the sound companies will also employ similar tools to support the singer. At the more modest end of the industry, a singer will have a microphone, mixer, amplifier and speakers. Adequate maybe but using these alone is a far cry from the polished performance found on albums and heard in large concerts - until now!

- All new mic pre
  - will capture every detail of your voice with distortion free clarity
- A faster Noise Gate
  - Lets your voice through but eliminates background noises
- Seven band Graphic Equaliser
  - provides you with subtle tonal adjustment right across the vocal range



The VMS turns off the mic when not in use, evens out the volume of your voice (reducing the loud but increasing the soft parts), adds world class vocal effects and a set of intuitive tone controls. Until now you would have needed a rack full of signal processing equipment that requires expert setting up to achieve the results the VMS will give you.

The mic preamp is our new low noise design featuring a 6 position gain switch simply marked LOUD & SOFT - just select the position that suits your voice. An 18dB/oct filter reduces stage rumble and mic handling noise and phantom power is available for those high quality condenser mics. The noise gate turns off the mic when you are not actually singing so your PA won't pick up the bass player talking to the drummer!

The compressor controls the volume level of your voice, producing a smoother, balanced delivery. Compression is an indispensable tool in studios but often missing in live performances due mainly to the complexity of such devices. In the VMS however, the optical compressor is tuned for the best vocal dynamic control without compromising your sound.

The seven band graphic equaliser with its carefully chosen frequencies, gives all the tonal control you need to enhance and 'sweeten' your voice.

The digital signal processor (DSP) is the result of decades of effects processor experience and contains six studio quality sounds developed just for vocal. Each effect has its own button, so easy to change and the foot switch socket on the rear panel gives you the facility to turn off the effects between songs. Totally unique, the VMS is neatly packed into a 1u rack mount (or free standing) package making it very portable. The internal power supply means no wall adaptors to lose or forget. All input & output connectors are professional balanced XLR and jack and there is also a handy headphone socket on the front panel. So, although simple to use, the VMS is packed with state of the art audio signal processing electronics, to enhance your vocal talent.

### SPECIFICATIONS VMS

Mic Amp Input Gain	0dB 10dB 16dB 22dB 28dB 34dB
Gain switch selectable	
CMRR Microphone Input	86dB @ 1kHz
Mic EIN	-126dBu @ 34dB
Frequency Response Gain	-0.5dB(20Hz-20kHz)
Noise (20Hz-20kHz)	
Signal to noise ratio	88dB (+4dBu output, bypass selected)
Gate Characteristics	
Threshold	variable: -60dBu to -20dBu
Filter	-3dB @ 150Hz & 10kHz
Attack/ Release	2.5ms/100ms
Compressor Characteris	Dynamics Factory set
Distortion	<0.2%
Gain reduction leds	Illuminate @ 5dB, 10dB, 15dB, 20dB gain reduction
Gain make up	13dB
Distortion	
THD @ 1kHz	<0.002% (bypass selected)
Metering	VU averaging response characteristic: 0 VU = 0dB output
Graphic Equaliser	
Gain ± 9dB @	125Hz, 250Hz, 500Hz, 1kHz, 2kHz, 4kHz, 8kHz
Response	Q = 1.4
Headphone Output	400mW/Ch into 150 ohm load. For 32 to 400 ohm output
Input/Output Levels	Maximum Impedance
Microphone Input	+22dBu 2k5 ohms
Line Input (20dB pad)	+42dBu 25k ohms
Output (balanced)	+28dBu 200 ohms (mic) / 150 ohms (line)
Output (unbalanced)	+22dBu 100 ohms (mic) / 75 ohms (line)
Connection	
Input	Combination balanced XLR and Jack socket
Output	Balanced XLR and TRS Jack socket
Power Requirements	230V range ±10% ~50/60Hz 70mA Max
Voltage Selector	115V range ±10% ~50/60Hz 140mA Max
Size (W x H x D)	482mm(19") x 44mm(1.75") 1U x 265mm(10.5") including rack ears
Weight (net / shipping)	3.7kg(8.1lb) / 4.7kg(10.3lb)





# studiomaster suggestions



## VENUE suggested package 1

### VENUEPACK1

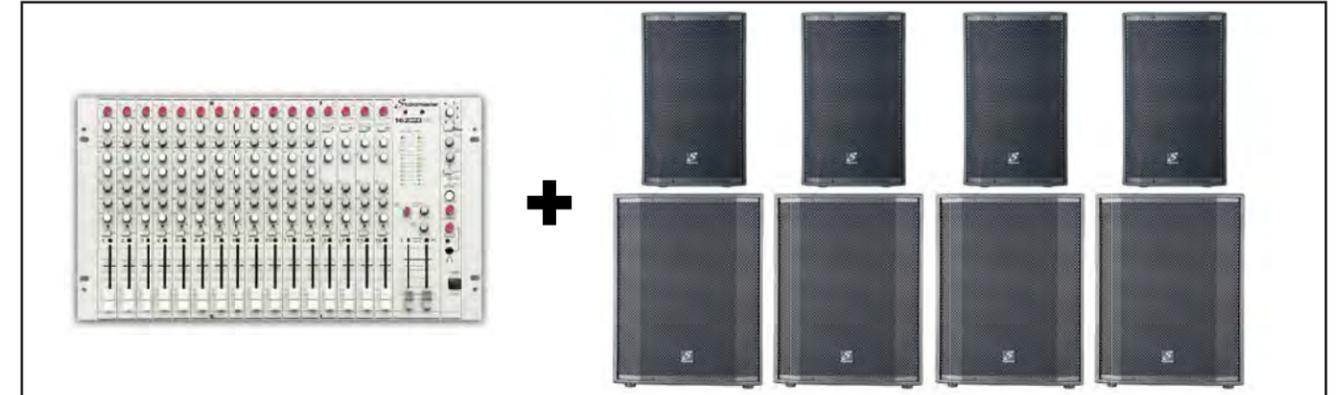


- 1 x HORIZON12 12 input mixer
- 2 x XPX15A 600W active 15" full range cabinet
- 1 PAIR x SPS1 speaker stands with carry bag

**1200 WATT PA**  
SUITABLE FOR 200 TO 350 PERSONS

## VENUE suggested package 3

### VENUEPACK3



- 1 x 162BPX 16 channel mixer with DSP
- 4 x VENTURE 12A 600W 12" full range active speaker
- 4 x VENTURE 18SA 450W 18" sub bass active speaker

**4200 WATT PA**  
SUITABLE FOR 300 TO 500 PERSONS

## VENUE suggested package 2

### VENUEPACK2

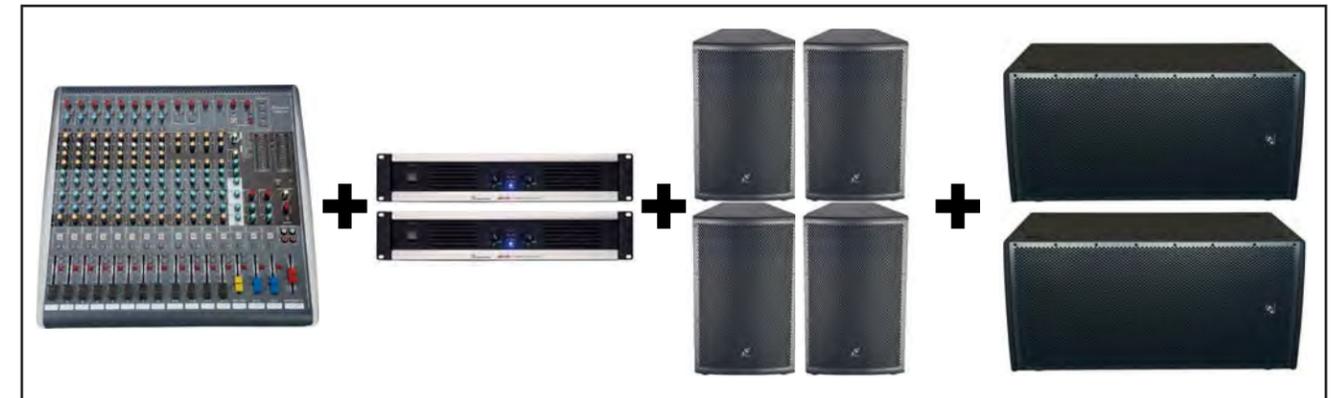


- 1 x HORIZON2012 2000W 12 input powered mixer
- 2 x VENTURE 15 15" full range 800W speaker cabinet
- 1 PAIR x SPS1 speaker stands with carry bag

**1600 WATT PA**  
SUITABLE FOR 200 TO 400 PERSONS

## VENUE suggested package 4

### VENUEPACK4



- 1 x C6XS-16 10 mic / 4 mic mixer with DSP
- 2 x AX2 35 2x750W power amplifier
- 4 x TRX12 250W 2-way 12" passive speaker cabinet
- 2 x TRX18S 1200W 2x18" passive sub bass speaker cabinet

**3400 WATT PA**  
SUITABLE FOR 400 TO 600 PERSONS

# SHOWMIX

## MEDIUM FORMAT CONSOLE

The striking newly developed Showmix series is aimed at setting new cost to performance standard for live mixing, whether it is installation companies, hire companies or the band themselves. Available in 5 different frame sizes from 12 up to a huge 48 channel model. Professional features including 4 band EQ with 2 sweeps on mic channels, up to 8 auxiliary sends, 100mm faders and useful matrix facilities. A useful addition is a stage mode switch to swap the group faders with the master aux send controls, allowing the desk to be used for either FOH or as a dedicated monitor mixer. Internally modular construction helps to ensure reliability with every control secured to the front panel with its own fixing. The larger Showmix models have a robust 2U external power supply, while the smaller consoles have internal power supplies without compromising on the impressive performance specifications.



### SPECIFICATIONS

### SHOWMIX

		SHOWMIX12	SHOWMIX16	SHOWMIX24	SHOWMIX32	SHOWMIX48
Channels		14	18	28	36	52
Mic channels		12	16	24	32	48
Stereo channels		2	2	4	4	4
Mic gain	min - max	10dB - 60dB	10dB - 60dB	10dB - 60dB	10dB - 60dB	10dB - 60dB
Stereo gain	min - max	-∞ - 16dB	-∞ - 16dB	-∞ - 16dB	-∞ - 16dB	-∞ - 16dB
Frequency response		20Hz-20kHz +/-0.5dB	20Hz-20kHz +/-0.5dB	20Hz-20kHz +/-0.5dB	20Hz-20kHz +/-0.5dB	20Hz-20kHz +/-0.5dB
EQ	HI +/-15dB	12kHz	12kHz	12kHz	12kHz	12kHz
	HI MID (mic ch) +/-15dB	500Hz - 15kHz	500Hz - 15kHz	500Hz - 15kHz	500Hz - 15kHz	500Hz - 15kHz
	HI MID (ST ch) +/-15dB	2.5kHz	2.5kHz	2.5kHz	2.5kHz	2.5kHz
	LO MID (mic ch) +/-15dB	35Hz - 1kHz	35Hz - 1kHz	35Hz - 1kHz	35Hz - 1kHz	35Hz - 1kHz
	LO MID (ST ch) +/-15dB	250Hz	250Hz	250Hz	250Hz	250Hz
	LO +/- 15dB	60Hz	60Hz	60Hz	60Hz	60Hz
Hi pass filter		80Hz @ 18dB/oct	80Hz @ 18dB/oct	80Hz @ 18dB/oct	80Hz @ 18dB/oct	80Hz @ 18dB/oct
Dynamic range		>105dB	>105dB	>105dB	>105dB	>105dB
Distortion THD @ 1kHz stereo line to L/R output @nominal		0.0035%	0.0035%	0.0035%	0.0035%	0.0035%
Noise	Mic EIN	-128dBu	-128dBu	-128dBu	-128dBu	-128dBu
	Signal to noise ratio		>85dB	(unweighted) @ typical control settings		
Power Requirements / Consumption		90V- 240V ~ 50/60Hz	90V- 240V ~ 50/60Hz	115V / 230V ~ 50/60Hz	115V / 230V ~ 50/60Hz	115V / 230V ~ 50/60Hz
Size (WxHxD)		530x583x183mm	600x583x183mm	1040x583x183mm	1240x583x183mm	1660x583x183mm
Weight		14kg (30.9lb)	16kg (35.3lb)	29kg (63.9lb)	34kg (75lb)	46kg (101.4lb)

### SHOWMIX 12 12 CHANNEL 7 BUS CONSOLE

### SHOWMIX 16 16 CHANNEL 7 BUS CONSOLE

### SHOWMIX 24 24 CHANNEL 11 BUS CONSOLE

### SHOWMIX 32 32 CHANNEL 11 BUS CONSOLE

### SHOWMIX 48 48 CHANNEL 11 BUS CONSOLE

- 12, 16, 24, 32, 48 channels
- 8 groups, 8 Auxes, 11x4 matrixes
- 4 band EQ, 2 frequency sweep, 100mm faders
- Low noise wide dynamic pre mic amp
- Independent phantom power switch
- Mute/level meter/LISTEN for each fader
- 1kHz sine/pink noise generator
- +22dBu headroom balanced XLR output circuit
- Displaying level of group/LR channel/aux/group
- TalkBack can be connected with LR channel/aux/group/matrix



touring

# SX2

## POWER AMPLIFIER

The SX2 range are rugged light weight amplifiers capable of producing quality sound at all power levels. There are three models in the range, all occupy only 2 rack spaces and are forced cooled via a thermally controlled fan.

There are 3 modes of operation available stereo, mono or bridged and the input sensitivity can be trimmed by +3dB for system matching. The inputs use combined XLR and jack socket combination connectors with a separate link socket to feed additional amplifiers. The outputs use industry standard four pole connectors with binding posts giving total flexibility. Front panel status LEDs provide visual indication of signal levels, BRIDGED mode and POWER.

The two large level controls aid precise volume setting and the durable black finished steel cabinet can handle life on the road. With the highest powered model (SX245) weighing only 16.4kg the SX range price/performance ratio is the only choice!



touring

### SPECIFICATIONS

### SX2

	SX225	SX235	SX245	
<b>Output power per channel</b>				
Both channel @ 8 ohms RMS	450 watts	580 watts	1100 watts	Cooling
Both channel @ 4 ohms RMS	800 watts	1000 watts	1800 watts	Variable speed fan
Bridged @ 8 ohms RMS	1600 watts	2000 watts	3600 watts	Full short circuit, open circuit, thermal, RF
<b>Input sensitivity</b>	rated power 4 ohm	0dBu 0.775V		<b>Output circuit type</b>
Distortion THD	1kHz @ rated power	0.03%		Class AB + Class H 2 step high efficiency output
Frequency response	+0 / -1dB	10-31kHz	10-45kHz	<b>Power requirements</b>
Signal to noise ratio	unweighted	95dB	100dB	110V or 230V +/-10% 50/60Hz
Crosstalk	ref 1kHz	80dB		SX225 : 6.9A SX235 : 7.9A SX245 : 14.9A
Input impedance	10k ohm unbal, 20k ohm balanced			Power consumption @ 230V 1/3power pink noise
Damping factor	250			SX225 : 3.4A SX235 : 4.7A SX245 : 8.7A
Voltage gain	37dB	38dB	40dB	<b>Connections</b>
Input filter	switchable	35Hz		Input
Input modes		Stereo, parallel and bridged		Output
				Combination XLR , Male XLR link socket
				4 pole industry standard sockets & binding posts
				<b>Size (WxHxD)</b>
				All models
				483mm(19") x 89mm(3.5") x 435mm(17.2")
				<b>Weight (net/shipping)</b>
				SX225
				12.8kg(28lb) / 17.4kg(38lb)
				SX235
				13.4kg(29.5lb) / 18kg(40lb)
				SX245
				16.4kg(36lb) / 20kg(44lb)



**SX2 25 2 x 800W 2U POWER AMPLIFIER**

**SX2 35 2 x 1000W 2U POWER AMPLIFIER**

**SX2 45 2 x 1800W 2U POWER AMPLIFIER**

- Choice of three 2U lightweight models up to 3600 watts
- High efficiency Class AB with 2 step Class H amplifiers
- Sturdy steel construction
- Lightweight, between 12.8kg and 16.4kg for the SX2 45
- Full protection with variable speed fan cooling



# S3

## ACTIVE & PASSIVE

The new premium quality Studiomaster speaker models are the S3 range of active and passive, high quality speaker cabinets. Featuring 14 models to choose from, all fitted with premium components and CLASS D amplification in the active models.

With up to date circuitry, the active moves feature a boost switch to add extra tone to your background music, and a unique switchable standby mode which will turn off the amplifier when no signal has been detected for 3 minutes. As soon as a signal is detected again, the amplifier will resume operation.

All models have large recessed side handles, the 10, 12 and 15" models come with M10 flying points and the larger 2x12" and 2x15" come with rear mounted castors for easy transportation.



S3 active Rear



- S3 10A - S3 10 10" ACTIVE/PASSIVE**
- S3 12A - S3 12 12" ACTIVE/PASSIVE**
- S3 15A - S3 15 15" ACTIVE/PASSIVE**
- S3 15MA - S3 15M 15" ACTIVE/PASSIVE MONITOR**
- S3 212A - S3 212 2 x 12" ACTIVE/PASSIVE**
- S3 215A - S3 215 2 x 12" ACTIVE/PASSIVE**
- S3 18SA - S3 18S 18" SUB ACTIVE/PASSIVE**

- 14 active and passive models to choose from in the range
- High performance drivers and compression drivers
- 1" throat compression drivers
- Active models feature comprehensive controls and amplifier protection
- High quality CLASS D power amplifiers with full protection
- High quality durable paint finish cabinet with M10 flying points

SPECIFICATION	S3-10	S3-12	S3-15	S3-15M
Type	2 way passive	2 way passive	2 way passive	2 way passive
Frequency response	60Hz ~ 18kHz (±3dB)	55Hz ~ 18kHz (±3dB)	45Hz ~ 18kHz (±3dB)	50Hz ~ 18kHz (±3dB)
Power handling	300W(Continuous), 1200W(Peak)	350W(Continuous), 1400W(Peak)	400W(Continuous), 1600W(Peak)	400W(Continuous), 1600W(Peak)
Crossover frequency	1.8kHz	2kHz	2kHz	2kHz
Sensitivity 1w@1m	96 dB	97 dB	98 dB	98 dB
MAX SPL	127dB	128dB	130dB	130dB
Coverage (HxV)	90°x50°	90°x50°	90°x50°	90°x40°
Nominal impedance	8ohm	8ohm	8ohm	8ohm
LF	1x10" / φ 65mm Voice coil	1x12" / φ 75mm Voice coil	1x15" / φ 75mm Voice coil	1x15" / φ 75mm Voice coil
HF	1x1.75" / φ 44mm Voice coil			
35mm pole Mount	Yes	Yes	Yes	No
Input Mode	2xNL4MP	2xNL4MP	2xNL4MP	2xNL4MP
Dimensions (WxHxD)	359x564x349	399x612x387	476x764x459	701x466x399
Weight net	19kg	23kg	33kg	24kg

SPECIFICATION	S3-10A	S3-12A	S3-15A	S3-15MA
Type	2 way active	2 way active	2 way active	2 way active
Frequency response	60Hz ~ 18kHz (±3dB)	55Hz ~ 18kHz (±3dB)	45Hz ~ 18kHz (±3dB)	50Hz ~ 18kHz (±3dB)
AMP Power RMS	300W(LF), 60W(HF)	450W(LF), 60W(HF)	450W(LF), 60W(HF)	450W(LF), 60W(HF)
MAX SPL	124dB	127dB	128dB	128dB
coverage (HxV)	90°x50°	90°x50°	90°x50°	90°x40°
Crossover frequency	2.2kHz	2kHz	2kHz	2kHz
LF	1x10" / φ 65mm Voice coil	1x12" / φ 75mm Voice coil	1x15" / φ 75mm Voice coil	1x15" / φ 75mm Voice coil
HF	1x1.75" / φ 44mm Voice coil			
35mm pole Mount	Yes	Yes	Yes	No
Input sensitivity	-10dBV	-10dBV	-10dBV	-10dBV
Connectors	JACK-XLR	JACK-XLR	JACK-XLR	JACK-XLR
Dimensions (WxHxD)	359x564x349	399x612x387	476x764x459	701x466x399
Weight net	20kg	24kg	34kg	25kg

SPECIFICATION	S3-212	S3-215	S3-18S
Type	2 way passive	2 way passive	Sub woofer
Frequency response	50Hz ~ 18kHz (±3dB)	45Hz ~ 18kHz (±3dB)	35Hz ~ 250Hz (±3dB)
Power handling	700W(Continuous), 2800W(Peak)	800W(Continuous), 3200W(Peak)	800W(Continuous), 3200W(Peak)
Crossover frequency	1.8kHz	1.8kHz	100Hz
Sensitivity 1w@1m	99 dB	100dB	97dB
MAX SPL	134dB	135dB	132dB
Coverage (HxV)	80°x60°	80°x60°	
Nominal impedance	4ohm	4ohm	8ohm
LF	2x12" / φ 75mm Voice coil	2x15" / φ 75mm Voice coil	1x18" / φ 100mm Voice coil
HF	1x3" / φ 75mm Voice coil	1x3" / φ 75mm Voice coil	
35mm pole Mount	No	No	Yes
Input Mode	2xNL4MP	2xNL4MP	2xNL4MP
Dimensions (WxHxD)	453x1007x433	542x1212x535	605x672x669
Weight net	43kg	57kg	43kg

SPECIFICATION	S3-212A	S3-215A	S3-18SA
Type	2 way active	2 way active	Active Sub bass
Frequency response	50Hz ~ 18kHz (±3dB)	45Hz ~ 18kHz (±3dB)	35Hz ~ 250Hz (±3dB)
AMP Power RMS	1000W(LF), 100W(HF)	1200W(LF), 100W(HF)	1000W
MAX SPL	132dB	134dB	130dB
coverage (HxV)	80°x60°	80°x60°	
Crossover frequency	1.6kHz	1.7kHz	80Hz/100Hz
LF	2x12" / φ 75mm Voice coil	2x15" / φ 75mm Voice coil	1x18" / φ 100mm Voice coil
HF	1x3" / φ 75mm Voice coil	1x3" / φ 75mm Voice coil	
35mm pole Mount	No	No	Yes
Input sensitivity	-10dBV	-10dBV	0dBu
Connectors	JACK-XLR	JACK-XLR	JACK-XLR
Dimensions (WxHxD)	453x1007x433	542x1212x535	605x672x669
Weight net	55kg	69kg	55kg

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# studiomaster suggestions



## TOURING suggested package 1

### TOURINGPACK1

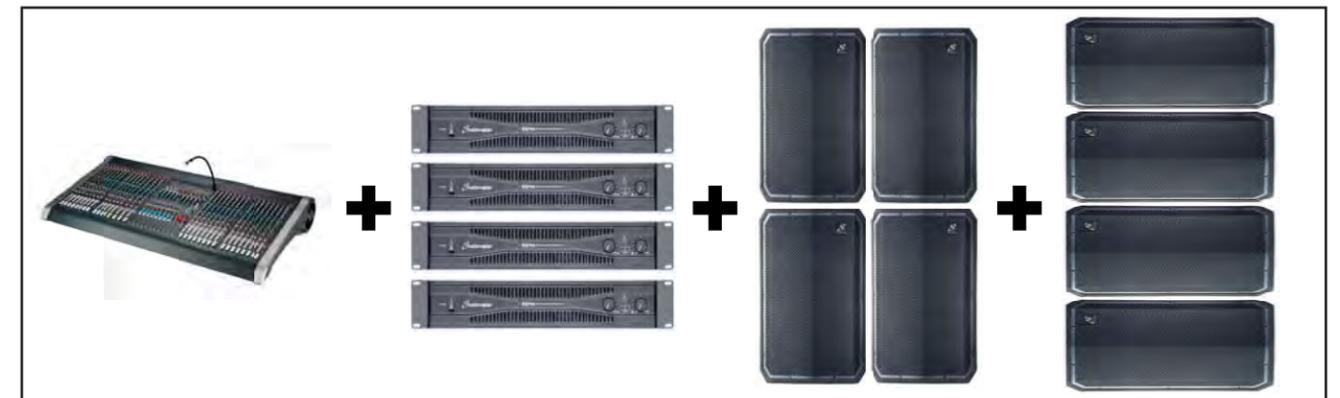


- 1 x SHOWMIX16 16 channel mixer
- 2 x S3-12A 550W active 12" full range cabinet
- 2 x S3-18SA 1000W active 18" sub bass cabinet

**3100 WATT PA**  
**SUITABLE FOR 350 TO 550 PERSONS**

## TOURING suggested package 2

### TOURINGPACK2



- 1 x SHOWMIX32 32 channel mixer
- 2 x SX2 35 2x1000W power amplifier
- 2 x SX2 45 2x1800W power amplifier
- 4 x S3-12 400W passive 12" full range cabinet
- 4 x S3-215 900W passive 2x15" full range cabinet

**5200 WATT PA**  
**SUITABLE FOR 500 TO 800 PERSONS**

touring

# PAX / PX

## STAGE MONITORS

The PAX/PX series is our established entry into the high quality stage monitoring... powerful, clear sound and great features.

The careful design of the the PAX/PX series meant they are perfectly angled, to be aimed at the performer, so you can really hear it, while taking up less stage space, keeping the sound focused, reducing the sound picked up by the microphones on stage. Strong steel grille, hard wearing carpet finish and robust corner pieces all help the PAX/PX series stand up to life on the road.

Available in both active and passive models, with a choice of 10" or 12" speaker size. All units feature custom designed low frequency drivers to give a clear sound even at high volume levels.

The PAX10+ features balanced Jack input, the PAX12+ has both balanced XLR and Jack inputs, both models feature a link output to allow multiple PAX monitors to be connected from one signal source allowing the whole band to hear. PAX12+ also benefits from a useful 3-band EQ for extra control, gain and level controls to get your sound perfect when connecting to the main PA system and a really useful variable active notch filter, which affects a narrow band of sound you can adjust to pick out just the frequency that is feeding back. This allows you to get your monitors much louder before they feed back.

To complete the flexibility of the PAX/PX series, there is a Speaker Out on the active PAX models allowing you to connect a passive PX speaker and drive it from the same internal amplifier, giving you different set-up options to suit your performance.

### PAX10 10" ACTIVE MONITOR SPEAKER

- 10" custom designed high output speaker
- 80 / 120W internal amplifier can be used to additionally power PX10
- Link facility to run multiple monitors from one source
- Balanced jack input
- Compact footprint with ideal monitor angle



### PX10 10" PASSIVE MONITOR SPEAKER

- 10" custom designed high output speaker
- High frequency tweeter
- 80 watts (program) power handling
- Rugged metal grille with jack speaker socket
- Compact footprint with ideal monitor angle



### PAX12 12" ACTIVE MONITOR SPEAKER

- 12" custom designed high output speaker
- 120 / 150W internal amplifier can be used to additionally power PX12
- Built in active notch filter to reduce feedback
- Balanced XLR mic and line inputs with link facility
- Compact footprint with rugged grille for reliability



### PX12 12" PASSIVE MONITOR SPEAKER

- 12" custom designed high output speaker
- High frequency tweeter
- 100 watts (program) power handling
- Rugged metal grille with jack speaker socket
- Compact footprint with ideal monitor angle



SPECIFICATION	PAX10+	PAX12+
Speaker	10" Custom Design high output	12" Custom Design high output
HF Unit	High Frequency Tweeter	High Frequency Tweeter
Finish	Black Carpet covering, corner protectors, feet, scoop handle	Black Carpet covering, corner protectors, feet, scoop handle
Power Output @ 1% THD	80W @ 8ohm RMS	120W @ 8ohm RMS
Distortion (amp)	120W @ 4ohm (with PX10+) RMS	150W @ 4ohm (with PX12+) RMS
Maximum SPL	0.008% (50W @ 8 ohms)	0.008% (50W @ 8ohm)
	114dB	116dB
Input Impedance	10k ohm balanced compatible	Mic 6k ohms balanced Line 33k ohm balanced
Input Sensitivity	-10dBu	Mic -30dBu Line -10dBu
Equalisation		Hi 12dB@5kHz Q=2, Mid 15dB@1.5kHz Q=0.9, Lo 12dB@90Hz Q=3.6
Notch Filter		-12dB @ 300Hz to 6kHz, Q=3.3, switchable with LED
Connection		
Input	Balanced jack, jack link out	Balanced XLR and jack, jack link out
Output	Jack external speaker socket	Jack external speaker socket
Power Requirements	230V Range ±10% 50/60Hz 3.15A Max	230V Range ±10% 50/60Hz 4A Max
Voltage Selector	115V Range ±10% 50/60Hz 6.3A Max	115V Range ±10% 50/60Hz 8A Max
Size(W x H x D)	470mm (18.5") x 300mm (11.8") x 365mm (14.4")	553mm (21.8") x 380mm (15") x 450mm (17.7")
Weight (net/shipping)	13kg(28.6lb) / 15kg(33lb)	16kg(35.2lb) / 19kg(41.8lb)

SPECIFICATION	PX10+	PX12+
Speaker	10" Custom Design high output	12" Custom Design high output
HF Unit	High Frequency Tweeter	High Frequency Tweeter
Finish	Black Carpet covering, corner protectors, feet, scoop handle	Black Carpet covering, corner protectors, feet, scoop handle
Connection		
Input	Jack speaker socket	Jack speaker socket
Power Output	80W @ 8ohms MAX	100W @ 8ohms Max
Size(W x H x D)	470mm (18.5") x 300mm (11.8") x 365mm (14.4")	553mm (21.8") x 380mm (15") x 450mm (17.7")
Weight (net/shipping)	10.5kg(23.1lb) / 12.5kg(27.5lb)	13.3kg(29.3lb) / 16.3kg(35.9lb)

# GX

## ACTIVE & PASSIVE

The GX range sets a new standard in loudspeaker performance, portability and cost. The range comprises 10 models, 5 active (powered) and 5 passive (unpowered).

Both types feature 10", 12" & 15" full range cabinets and a 12" & 15" stage monitor. The strong trapezoidal shaped wooden cabinets are black carpet covered to give a stylish, durable finish while keeping weight to a minimum. All full range cabinets contain a 35mm speaker pole socket for stand mounting and all models have tough slotted handles, making transportation easy.



### SPECIFICATION

Active Models  
Output Power Program  
With Extension Speaker  
Profile  
Frequency response  
Maximum SPL  
Crossover frequency  
Low frequency driver  
High frequency driver  
Coverage (H x V)  
HIGH EQ (±15dB)  
MID EQ (±12dB)  
LOW EQ (±15dB)  
Connectors MIC Input  
Connectors LINE Input  
Extension speaker Output  
35mm Pole Socket  
Power Requirements  
Size Width  
Size Height  
Size Depth  
Weight Net  
Weight Shipping

### GX12MA

12" active monitor  
140W  
200W  
30° Wedge  
60Hz-18kHz  
124dB  
4kHz  
12" Cast Chassis  
piezo  
90 x 60 degree  
10kHz  
2.5kHz  
1100Hz  
Balanced XLR + Jack  
Balanced XLR, Unbalanced RCA Phono  
1 x 4 pole industry stand sockets  
230V Model: ±10% ~50/60Hz  
400mm(15.7")  
530mm(20.9")  
370mm(14.6")  
16kg(44lb)  
17.5kg(47.3lb)

### GX15MA

15" active monitor  
170W  
250W  
32° Wedge  
40Hz-18kHz  
126dB  
3kHz  
15" Cast Chassis  
1.35" driver  
90 x 60 degree  
10kHz  
2.5kHz  
100Hz

### SPECIFICATION

Passive Models  
Power Handling  
Nominal Impedance  
Profile  
Frequency response  
Maximum SPL  
Crossover frequency  
Low frequency driver  
High frequency driver  
Coverage (H x V)  
35mm Pole Socket  
Connection (parallel wired)  
Size Width (max)  
Size Height  
Size Depth  
Weight Net  
Weight Shipping

### GX12M

12" passive monitor  
200W(continuous)800W(Peak)  
8 ohm  
30° Wedge  
60Hz-18kHz  
97dB  
4kHz  
12" Cast Chassis  
piezo  
90 x 60 degree  
2 x 4 pole industry stand sockets  
400mm(15.7")  
530mm(20.9")  
370mm(14.6")  
16kg(35.2lb)  
17.5kg(38.5lb)

### GX15M

15" passive monitor  
250W(continuous)1000W(Peak)  
8 ohm  
32° Wedge  
40Hz-18kHz  
98dB  
3kHz  
15" Cast Chassis  
1.35" driver  
90 x 60 degree  
X  
680mm(26.8")  
470mm(18.5")  
350mm(13.8")  
21kg(46.2lb)  
23kg(50.6lb)

# TRX

## ACTIVE & PASSIVE

The TRX series is a range of high performance, versatile enclosures with a massive 15 models to choose from, with both passive and active models in the range.

All models feature cast aluminium chassis heavy duty bass transducers with large 1" throat compression drivers, packaged in a rugged hard wearing paint finish. TRX10, 12, 15 and 15M passive and active models have multiple M10 hanging points, and the TRX10, 12 and 15 also feature 35mm pole sockets.

All models have large recessed side handles, and for total ease the larger 2x15" TRX215 comes with rear mounted castors.



### SPECIFICATION TRX15MA

Type  
Freq Response(-10dB)  
Sensitivity(1m/1W)  
Power  
Crossover  
LF  
HF  
Coverage(HxV)  
Max SPL(@1m)  
Hanging System  
Dimension(WxHxD)  
Weight

15" 2 way active stage monitor  
45Hz--20KHz  
-10dBV (line)  
250W  
2.2KHz  
15" MF /65mm voice coil  
34mm compression driver/1" throat  
80°x60°  
127dB  
8"M10 hanging points  
429x635x484(mm)  
24.7Kg

### SPECIFICATION TRX15M

Type  
Freq Response(-10dB)  
Sensitivity(1m/1W)  
Rated impedance  
Power Handling  
Crossover  
LF  
HF  
Coverage(HxV)  
Max SPL(@1m)  
Input Mode  
Hanging System  
Dimension(WxHxD)  
Weight

15" 2 way passive stage monitor  
45Hz--20KHz  
97dB  
8 Ω  
250W(continuous)1000W(Peak)  
2.2KHz  
15" MF /65mm voice coil  
34mm compression driver/1" throat  
80°x60°  
127dB  
2x4-pole industry std sockets, jack  
8"M10 hanging points  
429x635x484(mm)  
27Kg

# S3

## ACTIVE & PASSIVE

The new premium quality Studiomaster speaker models are the S3 range of active and passive, high quality speaker cabinets. Featuring 14 models to choose from, all fitted with premium components and CLASS D amplification in the active models.

With up to date circuitry, the active models feature a boost switch to add extra tone to your background music, and a unique switchable standby mode which will turn off the amplifier when no signal has been detected for 3 minutes. As soon as a signal is detected again, the amplifier will resume operation.

All models have large recessed side handles, the 10, 12 and 15" models come with M10 flying points and the larger 2x12" and 2x15" come with rear mounted castors for easy transportation.



### SPECIFICATION S3-15MA

Type  
Frequency response  
AMP Power RMS  
MAX SPL  
coverage (HxV)  
Crossover frequency  
LF  
HF  
35mm pole Mount  
Input sensitivity  
Connectors  
Dimensions (WxHxD)  
Weight net

15" 2 way active stage monitor  
60Hz~16kHz (±3dB)  
500W(LF),100W(HF)  
131dB  
90°x40°  
2kHz  
1x15"/ φ 75mm Voice coil  
1x1.75"/ φ 44mm Voice coil  
No  
0dBu  
1XCOMBO JACK-XLR  
466x700x415 (mm)  
34kg

### SPECIFICATION S3-15M

Type  
Frequency response  
Power handling  
Crossover frequency  
Sensitivity 1w@1m  
MAX SPL  
Coverage (HxV)  
Nominal impedance  
LF  
HF  
35mm pole Mount  
Input Mode  
Dimensions (WxHxD)  
Weight net

15" 2 way passive stage monitor  
60Hz~16kHz (±3dB)  
450W(Continuous),1800W(Peak)  
2kHz  
98 dB  
131dB  
90°x40°  
8ohm  
1x15"/ φ 75mm Voice coil  
1x1.75"/ φ 44mm Voice coil  
No  
2xNL4MP  
466x700x415 (mm)  
28kg

stage monitors

# WALKABOUT S

## PORTABLE PA SYSTEM

The Walkabout S features a total of 300 Watts of clear audio power, 5 channel mixer (3x mic/line, 1x mic/stereo and 1x stereo), 16 program DSP and 5 band graphic equaliser. The Walkabout S, has a built in USB/SD Card MP3/media player. Sockets are also provided for you to record your performance.

Walkabout S Control Panel



### WALKABOUT S COMPACT PORTABLE PA

- 4 mic inputs, 2 stereo inputs
- 2 x 150W amplifier with 10" speaker cabinets
- All in one package, with integrated wheels and carry handle
- Built in digital effects, MP3 playback with USB/SD card slots
- Speaker stands and speaker cables are included

### SPECIFICATIONS

### WALKABOUT S

Input Sensitivity for Max Output (8Ω)	Minimum	Minimum
Channel 1-3		
Mic	-12dBu	-48dBu
Line	+20dBu	-13dBu
Channel 4/5		
Mic	-12dBu	-48dBu
Line	+20dBu	+12dBu
Channel 6/7		
RCA photo	+3dBu	-14dBu
Equalisation	HI (12kHz), LO (80Hz)	
Graphic Equaliser	125Hz, 400Hz, 1kHz, 4kHz, 8kHz	
Power	2 x 150W (Peak Music)	
	2 x 75W (RMS)	
MP3 Player	SD Card/USB	
Cooling	2 x 40mm Two Speed Fans	
Speakers	2 way, 1 x 10" Bass, 1 x 150 x 50mm HF Unit	
Connections		
Channels 1-3:	Combination XLR mic & TRS jack line	



portable PA systems

# DAX208

## DISTRIBUTION MIXER

The DAX208 is a 2 input / 4 output distribution mixer housed in a single unit rack mounting case.

Each channel features a recessed level control, 6 segment bargraph and illuminated mute switch. Two modes of operation are available, stereo input & 4 outputs or mono input & 8 outputs. Signal levels can be switched between +4dBu and -10dBV. All inputs & outputs are on balanced XLR connectors and the internal power supply accepts 100 - 240V AC.



### DAX208 2 IN / 4 OUT DISTRIBUTION MIXER

- Can be configured 2 IN / 4 OUT or 1 IN / 8 OUT
- Individual mute switches on all channels
- Bargraph and level control on each channel
- All inputs and outputs on balanced XLR
- Sturdy steel construction

### SPECIFICATIONS DAX208

Maximum input level	+16dBu
Maximum output level	+27dBu
Frequency response	20Hz - 20kHz +0/-1dBu
Distortion	0.003%
Signal to noise ratio	100dB
Nominal signal level	switchable +4dBu / -10dBV
Input impedance	44k ohms
Output impedance	330 ohms
Power requirements	100-240V ~ 50/60Hz
Size (WxHxD)	482mm(19") x 44mm(1.72") x 200mm(7.9")



The MX series from Studiomaster is our new entry level amplifier range. Developed from years of amplifier experience and knowledge. The MX series uses much of the technology used in our premium ranges, but has been packaged in a tough and robust all steel cabinet.

The range has 4 models with power available between 450 watts and 1500 watts per channel in either a 2U or 3U cabinet.

All models feature signal, peak and protect LED indicators on the clear and easy to operate front panel. Lifting the unit and protecting the front panel are two easy to hold handles. Ventilation is provided from the twin variable speed fans. Multiple choices of input and output connections are included on the rear panel.

# MX

## POWER AMPLIFIER



**MX9 2 x 450W 2U POWER AMPLIFIER**

**MX12 2 x 750W 2U POWER AMPLIFIER**

**MX15 2 x 1100W 2U POWER AMPLIFIER**

**MX30 2 x 1500W 2U POWER AMPLIFIER**

- 4 models to choose in 2 or 3U small footprint enclosures
- Power available from 450 watts to 1500 watts per channel
- Comprehensive LED indicators on front panel
- Balanced XLR and Jack inputs
- 4 pole industry standard speaker connectors and binding posts on outputs
- Twin variable speed fan cooling

SPECIFICATIONS	MX9	MX12	MX15	MX30
Stereo Rated Output Power	8Ω 300Wx2	8Ω 500Wx2	8Ω 700Wx2	8Ω 1000Wx2
THD=0.5%,1KHZ,Dual Channel	4Ω 450Wx2	4Ω 750Wx2	4Ω 1100Wx2	4Ω 1500Wx2
Max,Bridged Output Power,THD=0.5%,1KHZ	8Ω 900W	8Ω 1500W	8Ω 2200W	8Ω 3000W
Input Sensitivity	1.4V 32dB 26dB	1.4V 32dB 26dB	1.4V 32dB 26dB	1.414V 32dB 26dB
Input Impedance	20kΩ/10kΩ	20kΩ/10kΩ	20kΩ/10kΩ	20kΩ/10kΩ
Frequency Response	20Hz~20kHz, ±0.3	20Hz~20kHz, ±0.3	20Hz~20kHz, ±0.3dB	20Hz~20kHz, ±0.3
THD	≤0.05%	≤0.05%	≤0.05%	≤0.08%
Damping Factor	≥260	≥260	≥300	≥300
S/N Ratio	≥100dB	≥100dB	≥100dB	≥100dB
Power Requirements	AC 230V±10% 50/60Hz	AC 230V±10% 50/60Hz	AC 230V±10% 50/60Hz	AC 230V±10% 50/60Hz
Dimension(WxHxD)	483x320x88.8	483x320x88.8	483x380x88.8	483x380x133.2
Height	2U	2U	2U	3U
Weight	15.9kg	17kg	21.4kg	31kg



Installation

# RX

## POWER AMPLIFIER

The RX series are a new range of 2U and 3U twin channel power amplifiers delivering up to 4000 watts of power in a reliable compact yet robust chassis. All models have advanced features such as Class H amplification and automatic signal limiting.

To keep the operating temperature low, twin variable speed fans and maximum ventilation is utilised to ensure long term reliable operation. A choice of input modes and input sensitivity gives you the ability to incorporate these amplifiers into any new or existing system without needing to update the whole system.

Choose your ideal model from 500 watts per channel up to the powerful 2000 watts per channel RX40.



### RX10 2 x 500W 2U POWER AMPLIFIER

### RX16 2 x 800W 2U POWER AMPLIFIER

### RX22 2 x 1100W 2U POWER AMPLIFIER

### RX40 2 x 2000W 3U POWER AMPLIFIER

- Comprehensive range from 500 to 2000 watts per channel at 4 ohms
- Twin variable speed fan cooling
- Automatic limiter
- Protection circuitry including D.C. short circuit, thermal and clip
- Three modes of operation
- Durable chassis



## SPECIFICATIONS RX

	RX10	RX16	RX22	RX40	
Output power per channel @ 4 ohms RMS	500W	800W	1100W	2000W	Cooling
Output power per channel @ 8 ohms RMS	310W	500W	700W	1200W	Protection
Output power in bridged mode @ 8 ohms RMS	1000W	1600W	2200W	4000W	Status LEDs
Input sensitivity	XLR : 0.5V / 1V / 1.414V				Connection
Input impedance	10k ohm unbalanced 20k ohm balanced				Inputs
Frequency response	@1w 20Hz - 20kHz +/-0.5dB				Outputs
THD	20Hz - 20kHz <0.1%				XLR
Damping factor	RX10/16 >300 RX22/40 > 400				4 pole industry standard sockets, binding posts
Signal to noise ratio	A weighted >105dB				Power requirements
					230V model 230V +/-10% 50/60Hz
					110V model 110V +/-10% 50/60Hz
					Dimension (WxHxD)
					RX10/RX16/RX22 480mm(19") x 88.8mm(3.5") x 420mm(16.5")
					RX40 480mm(19") x 133.2mm(5.25") x 420mm(16.5")



# SRQ

## GRAPHIC EQUALISERS

The SRQ range provides the quality & features sound engineers demand. The range consists of 3 models all with balanced XLR and screw terminal connectors.

The smallest of the range is the SRQ30, a one rack space 2x15 band graphic with frequencies spaced at 2/3 octaves. The input trim adjusts the overall signal level with signal & clip LEDs providing visual indication of signal levels. The cut and boost range is switchable from 6dB to 15dB and a bypass switch gives a quick active/bypass comparison.

Next is the two rack space SRQ62 with 2x30 bands of frequency adjustment spaced at 1/3 octaves. In addition to the facilities on the SBQ30 there is a switchable 40Hz high pass filter.

The top of the range SRQ62L has longer 45mm travel frequency faders for when accurate adjustment is required. 11 segment two colour bargraphs give a visual indication of the output level and a fully adjustable hi pass filter sweeps between 12 and 285Hz.



### SRQ30 2x15 BAND 1U GRAPHIC EQUALISER

- Compact size 2x15 band 2/3octave graphic equaliser
- Input trim and signal / clip led indication
- Switchable cut/boost range for accurate adjustment
- Bypass switch for quick comparison



### SRQ62 2x31 BAND 2U GRAPHIC EQUALISER

- 2x31 band 1/3octave graphic equaliser
- Input trim and signal / clip led indication
- Switchable cut/boost range and 40Hz high pass filter
- Bypass switch for quick comparison



### SRQ62L 2x31 BAND 3U GRAPHIC EQUALISER

- 2x31 band 1/3octave graphic equaliser with 45mm travel faders
- Input trim and 11 segment two colour bargraph metering
- Switchable cut/boost range and fully adjustable high pass filter
- Bypass switch for quick comparison



## SPECIFICATIONS SRQ

	SRQ30	SRQ62	SRQ62L	
Centre frequencies	63Hz - 16kHz	20Hz - 20kHz	20Hz - 20kHz	Metering
2/3 octave ISO freqs				Meter calibration
Frequency response	10Hz - 55kHz	12dB	0.004%	SRQ62L 11 segment 2 colour bargraph
Frequency cut/boost	selectable 15dB / 6dB	infinity to +6dB	+23dB balanced, +20dB unbalanced	SRQ62L -18 to +9dB, clip illuminates @ +18dBu
Distortion	+23dB balanced, +20dB unbalanced	+23dB balanced, +20dB unbalanced		Connections
Signal to noise ratio	98dB			Input
Gain cut/boost				Output
Input trim range				Balanced XLR and phoenix screw terminal
Maximum input level				Balanced XLR and phoenix screw terminal
Maximum output level				SRQ30 / SRQ62 : 25mm SRQ62L : 45mm
Input impedance	20k ohms balanced, 10k ohms unbalanced	<150 ohms		Power requirements
Output impedance				Power consumption
Hi pass filter	SRQ62 40Hz @ 12dB / oct	SRQ62L 12-285Hz @ 12dB / oct		SRQ30 : 10W SRQ62 : 14W SRQ62L : 17W
Hi pass filter				Size (WxHxD)
				SRQ30 482mm(19")x44mm(1.75")x186mm(7.4")
				SRQ62 482mm(19")x88mm(3.5")x186mm(7.4")
				SRQ62L 482mm(19")x132mm(5.25")x186mm(7.4")
				Weight (net/shipping)
				SRQ30 2.5kg(5.5lb) / 3.5kg(7.7lb)
				SRQ62 3.5kg(7.7lb) / 4.5kg(9.9lb)
				SRQ62L 4.5kg(9.9lb) / 5.5kg(12.1lb)



# CTR

## INSTALL SPEAKERS

The CTR compact speaker enclosures feature small size and quality full range sound.

The CTR105/105T moulded cabinets are available in white or black in either 8ohm or 70/100V line versions. They are supplied with rugged cast wall brackets for ceiling or wall mounting. Connection is via spring loaded terminals which saves time and makes installation easy. The 5" bass driver is coupled to the high frequency tweeter through a tuned crossover network resulting in a smooth full range sound. Both transducers are magnetically shielded making them ideal for use with computer and video monitors or other magnetically sensitive equipment. The 100V line models can be internally adjusted for 70V or 100V use.



CTR 105T

CTR 105

**CTR105 5" COMPACT INSTALLATION SPEAKER**

**CTR105T 5" COMPACT 70/100V LINE SPEAKER**

**CTR2 8" 8" INSTALLATION SPEAKER**

**CTR2 10 10" INSTALLATION SPEAKER**

**CTR2 12 12" INSTALLATION SPEAKER**

### SPECIFICATION

#### CTR105

System Type	2 way
Cone size	5"
Frequency response	100 -18kHz
Power handling	30W (continuous)120W(peak)
Crossover frequency	5kHz
Sensitivity (1w@1m)	88dB
Nominal Impedance	8Ω

70/100V Line **MODEL CTR105T**

Dimensions (WxHxD)	158(6.2") x 231 (9.1") x 135(5.3")
Weight net	3.2kg (7lb)
Colour	Black or White

Studiomaster are famous for high powered amplifier and speaker systems, yet we appreciate that some of your applications may require smaller solutions.

The PAS/PS range comprise 8" and 6" two way powered (PAS) and unpowered (PS) speakers. Ideal for schools, bars, clubs, restaurants, churches. If you need a clear, responsive and compact system, the PAS/PS series is a solution to suit you.

All models have a hard wearing injection moulded cabinet, strong steel grille to prevent damage and integrated feet, and even come supplied with wall brackets giving you total freedom to get them into the right position.

The active PAS models have internal amplifiers with jack inputs suitable for mic and line levels, and can supply up to 80 Watts of clear undistorted sound. Useful tone control helps you to emphasise high and low frequencies.

# PAS / PS

## COMPACT ACTIVE & PASSIVE



**PAS6 6" ACTIVE 60 WATT SPEAKER**

**PAS8 8" ACTIVE 80 WATT SPEAKER**

**PS6 6" PASSIVE 60 WATT (PGM) SPEAKER**

**PS8 8" PASSIVE 80 WATT (PGM) SPEAKER**

- Active and passive versions
- Free standing or wall mounting with brackets included
- Jack input connectors
- Hard wearing injection moulded cabinet
- Ideal for schools, bars, clubs, restaurants or places of worship

PAS6 Rear Panel



SPECIFICATION	PS6	PS8	PAS6	PAS8
Type	2-Way Configuration	2-Way Configuration	2-Way Configuration	2-Way Configuration
Freq Response	80Hz~20KHz	60Hz~20KHz	80Hz~20KHz	60Hz~20KHz
Power Handling	60W/100V	80W/100V	60W	80W
Max. SPL	112dB	115dB	112dB	115dB
Sensitivity (1m/1w)	91 dB	93 dB	-15dBu	-15dBu
Crossover	3KHz	3KHz		
Impedance	8Ω/NA	8Ω/NA		
LF	FB0601(6.5")	FB0801(8")	FB0601(6.5")	FB0801(8")
HF	1" Dome	1" Dome	1" Dome	1" Dome
Size				
Width (max)	230mm (9.1")	280mm (11")	230mm (9.1")	280mm (11")
Height	360mm (14.2")	410mm (16.1")	360mm (14.2")	410mm (16.1")
Depth	220mm (8.7")	250mm (9.8")	220mm (8.7")	250mm (9.8")
Weight				
Net	4kg (8.8lb)	5kg (11lb)	5kg (11lb)	6kg (13.2lb)
Shipping	5kg (11lb)	6kg (13.2lb)	6kg (13.2lb)	7kg (15.4lb)

installation

# KM

## DYNAMIC MICROPHONES

If you're looking for a high performance microphone and don't want to pay a fortune, take a look at the KM range of dynamic mics.

They are rugged with the features you need, designed to cope with rough handling and most importantly, they sound good. These dynamic microphones have a cardioid response meaning they pick up your voice loud and clear but are much less sensitive to other, unwanted sounds. This is especially true from the rear of the microphone, handy when using stage monitors. The KM range of microphones is supplied in a soft zipper bag, 5 metre professional XLR to XLR balanced cable and stand clip.



**KM52 DYNAMIC MICROPHONE WITH ON/OFF SWITCH**

**KM92 DYNAMIC MICROPHONE**



**KM52**

### SPECIFICATION KM52

### KM92

Directional Characteristic	Uni-directional	Uni-directional
Frequency Response	60-15kHz	50-16kHz
Sensitivity	-54dB ±3dB	-54dB ±3dB
Impedance	500 ohms	600 ohms
On/off Switch	Yes	No
Construction	Die-cast Zinc Alloy	Die-cast Zinc Alloy
Finish	Black Satin	Dark Grey Satin
Cable	XLR-XLR 5m (16ft)	XLR-XLR 5m (16ft)
Accessories	Soft bag/clip/cable	Soft bag/clip/cable
Size (Length x Dia)	170mm(6.7") x 52mm (2.1")	168mm(6.6") x 52mm (2.1")
Weight (net)	278g (0.61lb)	273g (0.6lb)

Studiomaster have had high quality affordable dynamic microphones in the range for many years. We are now expanding our microphone range to include a series of practical and high quality wireless microphones.

Offering single, dual and even a compact four channel wireless microphone kit. All models in the WRM series are UHF, have high quality condenser or dynamic microphones and are quartz locked and pll frequency synchronization for interference rejection and stability.



**WRM1 SINGLE HANDHELD WIRELESS MICROPHONE**



**WRM2 DUAL HANDHELD WIRELESS MICROPHONE**



**WRM4-H QUAD HANDHELD MICROPHONE SYSTEM**

**WRM4-L QUAD LAVALIER MICROPHONE SYSTEM**

**WRM4-C QUAD CONFERENCE MICROPHONE SYSTEM**

# STANDS



**SPS1**  
Speaker Stand

**SPS2**  
Crank-up Speaker Stand

Specification	SPS1	Specification	SPS2
Height Range	1000-1800mm	Height Range	1520-2300mm
Load Capacity	50kg	Load Capacity	60kg
Material	Aluminum	Material	Steel
Weight	2.2kg(4.9lb)	Weight (Single)	9.5kg(4.9lb)



**MPS3**

**MPS4**

Specification	MPS3	Specification	MPS4
Height Range	1000-1700mm	Height Range	1000-1700mm
Boom Length	800mm	Arm Length	750mm
Weight	1.8kg	Base	Plastic&Steel
		Weight	2.5kg



**MPS1**  
Mic Boom Stand

**MPS2**  
Automatic Mic Boom Stand

Specification	MPS1	Specification	MPS2
Height Range	1000-1760mm	Height Range	1000-1700mm
Boom Length	530-910mm	Boom Length	530-910mm
Base	Metal	Material	Steel with Reinforced NYLON
		Weight	2kg(2.2lb)

You can raise or lower and it will stay locked in that position..



**MPS5**

**MPS6 (Black / White)**

Specification	MPS5	Specification	MPS6
Height Range	1050-1600mm	Height Range	560-800mm
Base Material	Iron	Base	Metal
Material	Steel	Weight	2.5kg
Base dia	250mm		

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