Studiomaster®

PROFESSIONAL

aspire for more...

Brochure

version
2020
2021

ADVANCED SOUND
SOLUTIONS FOR A
WORLD OF POSSIBILITIES

Studiomaster®
PROFESSIONAL

Aspire for more...

Welcome to the constantly evolving world of **Studiomaster** PROFESSIONAL !

Our vision is to provide professional audio solutions that deliver exemplary performance, even under exacting Indian conditions. Our mission is to bring high performance products that have a hallmark of our legendary reliability, within the reach of every user in the country. Our dream is to make you "aspire for more" and achieve more with **Studiomaster** PROFESSIONAL !

With extensive experience in designing, manufacturing, and supporting professional audio equipment, we are the undisputed leaders in Pro Audio solutions. Our distinguished track record doesn't make us complacent in any way; it just makes us strive harder to create new benchmarks by anticipating customer needs, pushing boundaries, redefining technologies, while creating cost-effective yet clever solutions!

Commitment defines the way we do business hence we consistently bring products that set the markets abuzz! It comes as no surprise therefore that **Studiomaster** PROFESSIONAL is the preferred brand amongst Pro Audio users in India!

Step into the world with a professional advantage.....

INDEX

PA Series Professional Stereo Power Amplifiers

BIS Approved

The PA series is our flagship range of high-power amplifiers built to have outstanding sound quality, excellent power efficiency, and guaranteed operational reliability. The amplifiers deploy two types of power supplies. The Switch Mode Power Supply allows effortless operation on voltages as low as 130V while the Linear Power Supply delivers a punch-packed performance. With a legacy spanning over two decades, the Studiomaster Professional PA series is among the most popular power amplifiers in India!

- Professional-grade high-power stereo amplifier.
- **High-current toroidal transformers with high-endurance cores for greater transient response and low-noise even at 2Ω.**
- High-quality glass epoxy, double-sided PTH PCBs, and high-grade components ensure reliability even in tough ambient environs.
- Intelligent cooling using low-noise variable speed fans and direct-mounted heatsinks for optimal heat dissipation.
- Sensitivity selectable between 0dB or +4dB for flexibility in connection of input sources.
- Low THD and high damping factor for excellent sound quality.
- Switchable low-cut for protection and a tight low-end performance.
- The limiter switch provided protects the speakers from damage due to distorted input signals.
- 41-detent rotary volume control knobs.
- 3 switchable operational modes: stereo, mono, and bridge.
- Audio-grade balanced XLR and ¼" stereo jack input connectors.
- High-performance Speakon output connectors.
- On, mute, signal, limiter, and temperature LED indicators assists in monitoring performance.
- Rated for stable 2Ω operation.
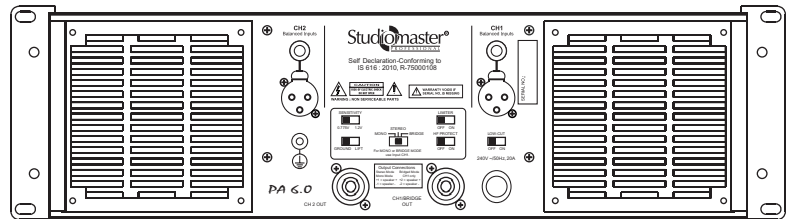
Highly efficient Toroidal Transformers.

Transformer

High endurance amp modules with large heat sinks.

Module

| Technical Specifications	PA 1.5	PA 2.0	PA 3.0	PA 4.5	PA 6.0	PA 7.5
Stereo Mode Power Output						
2 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 800 W	2 x 1000 W	2 x 1500 W	2 x 2250 W	2 x 3000 W	2 x 3750 W
2 Ω (EIA), 1kHz, 1%THD	2 x 1225 W	2 x 2250 W	2 x 2750 W	2 x 3900 W	2 x 5625 W	2 x 6400 W
4 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 650 W	2 x 800 W	2 x 1100 W	2 x 1600 W	2 x 2000 W	2 x 2600 W
4 Ω (EIA), 1kHz, 1%THD	2 x 1012 W	2 x 1380 W	2 x 1580 W	2 x 2450 W	2 x 3100 W	2 x 3600 W
8 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 350 W	2 x 500 W	2 x 700 W	2 x 950 W	2 x 1300 W	2 x 1550 W
8 Ω (EIA), 1kHz, 1% THD	2 x 595 W	2 x 755 W	2 x 830 W	2 x 1225 W	2 x 1700 W	2 x 1800 W
Bridged Mode Power Output						
4 Ω (True RMS), 20Hz-20kHz, 1% THD	1600 W	2000 W	3000 W	4500 W	6000 W	7500 W
4 Ω (EIA), 1kHz , 1% THD	2450 W	4500 W	5500 W	7800 W	11250 W	12800 W
8 Ω (True RMS), 20Hz-20kHz,1% THD	1300 W	1600 W	2200 W	3200 W	4000 W	5200 W
8 Ω (EIA), 1kHz , 1% THD	2025 W	2760 W	3160 W	4550 W	6200 W	7225 W
Damping Factor (8 Ω)	>200:1		>400:1			
Frequency Response	20Hz-20kHz (±0.5dB)					
Protection	Temperature, DC, RFI, Short Circuit, Soft-Start, and Overload					
Input Connector (Per Channel)	XLR and ¼" TRS Jack					
Output Connector (Per Channel)	Speakon					
Dimensions (W x D x H) mm	482 x 455 x 88 (2U)		482 x 455 x 130 (3U)			482 x 570 x 130 (3U)
Net Weight (Kg)	17	18	28	32	36	40

Note: BIS registration is Mandatory for all amplifiers with input power above 2000W.

XPA Series Professional Stereo Power Amplifiers

PREMIUM

BIS Approved

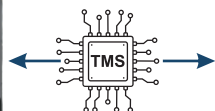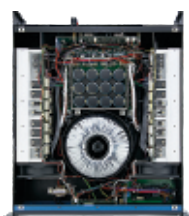## High Power Amplifiers with Innovative Thermal Management System
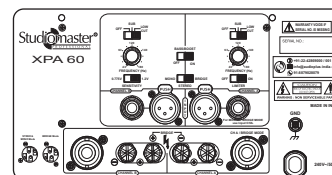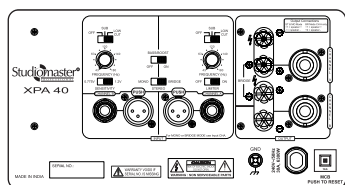
INTRODUCING "TMS"

Thermal Management System (TMS) is our proprietary temperature-controlled gain variation technology integrated into the circuitry. Heat kills amplifiers and its parts. In the XPA series amplifiers, the temperature is never allowed to exceed the permissible limit. The TMS technology "jumps in" to adjust amplifier parameters and keep the temperature limit-bound. Audio quality is never compromised and this keeps the amplifier running smooth and cool...
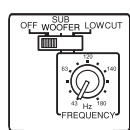
Benefits of TMS Technology
- ✓ Superior sound clarity
- ✓ No dropouts during performance
- ✓ Improved amplifier efficiency
- ✓ Longer and stable runtime
- ✓ Higher operational reliability
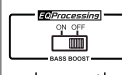
BUILT-IN CROSSOVER

SUB WOOFER
This is a low-pass filter. The amplifier reproduces frequencies that are lower than the cut-off set by the frequency adjustment knob.

LOW CUT
This is a high-pass filter. You can use this setting to filter out unneeded low or subsonic frequencies.

BASS BOOST SWITCH

When you activate this mode, the amplifier adds low-frequency compensation to enhance the speaker's bass output.

Note: This switch is only effective when the FILTER switch is in the OFF position.

- Premium-grade high-power stereo amplifiers.
- High-quality balanced XLR and ¼" stereo jack input connectors.
- 3 switchable operational modes: stereo, mono, and bridge.
- High-current toroidal transformers with high-endurance cores for greater transient response and low-noise even at 2Ω.
- Sensitivity (0.775V or 1.2V) selection switch allows flexibility in connection of input sources.
- Limiter switch to protect speakers from damage due to distorted input signals.
- Responsive rotary volume control knobs.
- Low THD and high damping factor for excellent sound quality.
- High-quality glass epoxy, double-sided PTH PCBs, and high-grade components ensure reliability even in tough ambient environs.
- Intelligent cooling using low-noise variable speed fans and direct-mounted over-designed heatsinks.

| Technical Specifications	XPA 40	XPA 60 New!
Stereo Mode Power Output		
2 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 2000 W	2 x 3000 W
2 Ω (EIA), 1kHz, 1% THD	2 x 3000 W	2 x 5600 W
4 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 1400 W	2 x 2000 W
4 Ω (EIA), 1kHz, 1% THD	2 x 2100 W	2 x 3100 W
8 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 850 W	2 x 1300 W
8 Ω (EIA), 1kHz, 1% THD	2 x 1200 W	2 x 1700 W
Bridged Mode Power Output		
4 Ω (True RMS), 20Hz-20kHz, 1% THD	4000 W	6000 W
8 Ω (True RMS), 20Hz-20kHz, 1% THD	2800 W	4000 W
Damping Factor (8 Ω)	>400:1	
Frequency Response	20Hz-20kHz (± 0.5dB)	
Protection	Temperature, DC, RFI, Short Circuit, Soft-Start, Overload	
Input Connector (Per Channel)	XLR and ¼" TRS Jack	
Output Connector (Per Channel)	Speakon and Binding Post	
Dimensions (W x D x H) mm	484 x 575 x 133 (3U)	
Net Weight (Kg)	33	37

Note: BIS registration is Mandatory for all amplifiers with input power above 2000W.

Studiomaster PROFESSIONAL

DJA Series Professional Stereo Power Amplifiers

BIS Approved

The DJA series is our range of high-performance and cost-effective power amplifiers designed to deliver clean, dynamic power with the legendary Studiomaster Professional sound quality and reliability that professionals depend on.

- Rugged and reliable professional stereo power amplifier.
- High-current toroidal transformers with high-endurance cores for superior transient response.
- **Ultra-functional EQ Processing, Low Cut, and Subwoofer with crossover selection options.**
- 3 switchable operational modes: stereo, parallel, and bridge.
- Intelligent cooling and heat dissipation using large low-noise variable speed fans.
- LED indicators on the front panel for power, signal, clip, bass boost and protect modes.
- Mains voltage operation 240V AC as well as low voltage operation at 150V AC.
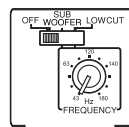- Audio-grade balanced XLR and ¼" jack input connectors.
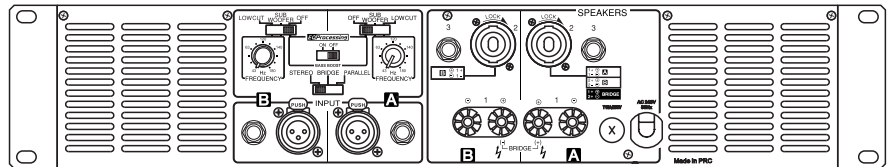
BUILT-IN CROSSOVER

SUB WOOFER
This is a low-pass filter. The amplifier reproduces frequencies that are lower than the cut-off set by the frequency adjustment knob.

LOW CUT
This is a high-pass filter. You can use this setting to filter out unneeded low or subsonic frequencies.

BASS BOOST SWITCH

When you activate this mode, the amplifier adds low-frequency compensation to enhance the speaker's bass output.

Note: This switch is only effective when the FILTER switch is in the OFF position.

Technical Specifications	DJA 800	DJA 1600	DJA 2500	DJA 3200	DJA 4000	DJA 5000
Stereo Mode Power Output						
4 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 250 W	2 x 550 W	2 x 900 W	2 x 1125 W	2 x 1400 W	2 x 1900 W
4 Ω (EIA), 1kHz, 1% THD	2 x 415 W	2 x 800 W	2 x 1500 W	2 x 1650 W	2 x 1950 W	2 x 2500 W
8 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 165 W	2 x 350 W	2 x 600 W	2 x 700 W	2 x 900 W	2 x 1200 W
8 Ω (EIA), 1kHz, 1% THD	2 x 245 W	2 x 560 W	2 x 825 W	2 x 900 W	2 x 1100 W	2 x 1400 W
Bridged Mode Power Output						
8 Ω (True RMS), 20Hz-20kHz,1% THD	525 W	1150 W	1800 W	2250 W	2800 W	3800 W
8 Ω (EIA), 1kHz, 1% THD	830 W	1600 W	3000 W	3300 W	3900 W	5000 W
Damping Factor (8 Ω)	>350:1					
Frequency Response	20Hz-20kHz (-3dB)					
Protection	Temperature, DC, Short Circuit, and Soft-Start					
Input Connector (Per Channel)	XLR and ¼" TRS Jack					
Output Connector (Per Channel)	Speakon, Binding Posts, and ¼" TRS Jack			Speakon and Binding Post		
Dimensions (W x D x H) mm	482 x 456 x 88 (2U)			482 x 495 x 132 (3U)		482 x 530 x 132 (3U)
Net Weight (Kg)	13	15.5	20	27	30	32

Note: BIS registration is Mandatory for all amplifiers with input power above 2000W.
* Amplifier models DJA 2500 & above are BIS approved.

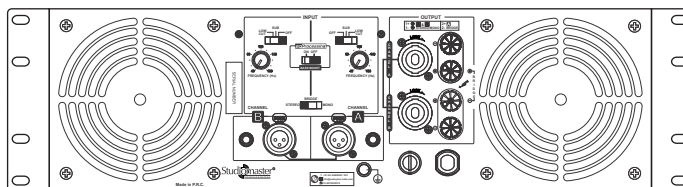# RAX Series Professional Stereo Power Amplifiers

New!

BIS Approved

The RAX series is our range of high-performance and cost-effective power amplifiers designed to deliver high power, rock-solid stability, and superb acoustic characteristics.

India Ready

LOW 150V Operation

Stable 2Ω Drive

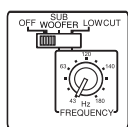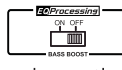## BUILT-IN CROSSOVER

SUB WOOFER
This is a low-pass filter. The amplifier reproduces frequencies that are lower than the cut-off set by the frequency adjustment knob.

LOW CUT
This is a high-pass filter. You can use this setting to filter out unneeded low or subsonic frequencies.

BASS BOOST SWITCH

When you activate this mode, the amplifier adds low-frequency compensation to enhance the speaker's bass output.

Note: This switch is only effective when the FILTER switch is in the OFF position.

- Rugged and reliable professional stereo power amplifier.
- High-current toroidal transformers with high-endurance cores for a wide transient response.
- **Audio-grade rectifier capacitors for superior sonic performance.**
- High-quality double-sided PTH PCBs and components ensure reliability even in tough ambient environs.

- 3 switchable operational modes: stereo, parallel, and bridge.
- Intelligent cooling via large 120mm temperature-controlled high speed fans.
- LED indicators on the front panel for power, signal, clip, bass boost, and protect modes.
- **Classy brushed aluminum finish front dial plate.**

Technical Specifications	RAX 5020	RAX 7020
Stereo Mode Power Output		
2 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 2800 W	2 x 3500 W
2 Ω (EIA), 1kHz, 1% THD	2 x 3700 W	2 x 4500 W
4 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 1900 W	2 x 2400 W
4 Ω (EIA), 1kHz, 1% THD	2 x 2500 W	2 x 3100 W
8 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 1200 W	2 x 1400 W
8 Ω (EIA), 1kHz, 1% THD	2 x 1400 W	2 x 1800 W
Bridged Mode Power Output		
4 Ω (True RMS), 20Hz-20kHz, 1% THD	5600 W	7000 W
4 Ω (EIA), 1kHz , 1%THD	7600 W	9000 W
8 Ω (True RMS), 20Hz-20kHz, 1% THD	3800 W	4800 W
8 Ω (EIA), 1kHz , 1%THD	5000 W	6200 W
Damping Factor (8 Ω)	>350:1	
Frequency Response	20Hz-20kHz (-3dB)	
Protection	Temperature, DC, Short Circuit, and Soft-Start	
Input Connector (Per Channel)	XLR and ¼" TRS Jack	
Output Connector (Per Channel)	Speakon and Binding Post	
Dimensions (W x D x H) mm	482 x 527 x 133 (3U)	
Net Weight (Kg)	32	34

**Note: BIS registration is Mandatory for all amplifiers with input power above 2000W.**

Studiomaster PROFESSIONAL

DPA Series Professional Stereo Power Amplifiers

BIS Approved

The DPA series represents our state-of-the-art professional amplifiers built for efficiency and superior sound quality ideal for users looking for high power, cost-effectiveness, reliability, and a long-lasting performance.

- High-current toroidal transformers with high-endurance cores for greater transient response and low-noise even at 2Ω.
- High-quality glass epoxy, double-sided PTH PCBs and high-grade components ensure reliability even in tough ambient environs.
- Intelligent cooling using low-noise variable speed fans and direct-mounted heatsinks for optimal heat dissipation.
- Low THD and high damping factor for excellent sound quality.
- Switchable low-cut for protection and a tight low-end performance.
- Sensitivity selectable between 0.775V, 1V or 1.4V for flexibility in connection of input sources.
- Ground lift and HF limiter switch to protect speakers from damage.
- 3 switchable operational modes: stereo, parallel, and bridge.

- Power, signal, clip, and protect LED indicators assists in monitoring performance.
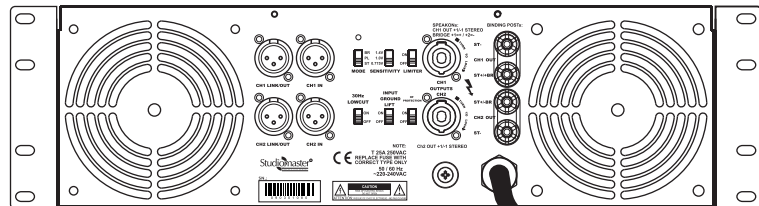
Technical Specifications	DPA 2000	DPA 3200	DPA 4500
Stereo Mode Power Output			
2 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 1040 W	2 x 1600 W	2 x 2200 W
2 Ω (EIA), 1kHz, 1%THD	2 x 2250 W	2 x 3900 W	2 x 4550 W
4 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 780 W	2 x 1200 W	2 x 1650 W
4 Ω (EIA), 1kHz, 1%THD	2 x 1380 W	2 x 2450 W	2 x 3000 W
8 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 520 W	2 x 800 W	2 x 1100 W
8 Ω (EIA), 1kHz, 1%THD	2 x 755 W	2 x 1225 W	2 x 1700 W
Bridged Mode Power Output			
4 Ω (True RMS), 20Hz-20kHz, 1% THD	2080 W	3200 W	4400 W
4 Ω (EIA), 1kHz , 1%THD	4500 W	7800 W	9100 W
8 Ω (True RMS), 20Hz-20kHz, 1% THD	1560 W	2400 W	3300 W
8 Ω (EIA), 1kHz , 1%THD	2760 W	4550 W	6000 W
Damping Factor (8 Ω)	>200:1	300:1	
Frequency Response	20Hz-20kHz (±0.5dB)		
Protection	DC, Short Circuit, Over Heat, Soft-Start, Clip Limit, Overload, and HF Protection		
Input Connector (Per Channel)	XLR		
Output Connector (Per Channel)	Speakon and Binding Post		
Dimensions (W x D x H) mm	483 x 455 x 88 (2U)	483 x 455 x 130 (3U)	
Net Weight (Kg)	22.5	33	37

Arena Series Professional Stereo Power Amplifiers

Technical Specifications	Arena 20	Arena 30
Stereo Mode Power Output		
2 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 1000 W	2 x 1500 W
4 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 800 W	2 x 1100 W
8 Ω (True RMS), 20Hz-20kHz, 1% THD	2 x 500 W	2 x 750 W

Note: BIS registration is Mandatory for all amplifiers with input power above 2000W.
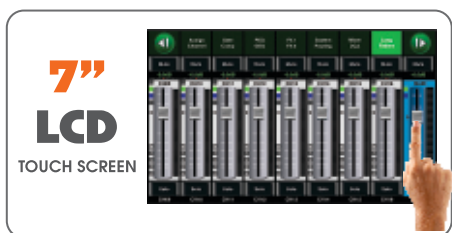
D.Mix 20 Digital Mixer

The Studiomaster Professional **D.Mix 20** digital mixer combines the best of what an LCD touchscreen can offer with an intuitive interface for speed and precision in live scenarios. With its powerful DSP engine, easy-to-navigate software application, and uncompromising hands-on control, the D.Mix 20 offers a complete software/hardware integrated solution for real-world LIVE mixing applications!

Now with iPad Connectivity

"Empower wireless mixing at the venue!"

7" LCD TOUCH SCREEN

Easy Navigation!

Easy Routing!

Easy User Interface — Stereo Playback & Recording — Responsive & Intuitive Control — High-Resolution Sampling 24-bit 48kHz — Dual Multi-EFX DSP — Parametric & Graphic Equaliser — Long Motorised Fader — Wireless iPad Control — Password Protection — Ethernet & LAN Connectivity

- 16 mono and 2 stereo inputs with assignable controls.
- 8 channel inserts for outboard processing.
- **4 Aux send outs and 4 subgroup outs or 8 Aux output.**
- Premium-grade 100mm motor-driven fader.
- 6 multifunctional DCA (Digital-controlled Amplifier) groups.
- **Wireless mixing via iPad using a WiFi router and Ethernet cable.**
- User definable presets with storing and recall.
- Individually assignable +48V Phantom power.
- **Integrated dual DSP EFX with EQ, noise gate, compressor/limiter, delay and more.**
- High-resolution 24-bit/48kHz sampling rate.
- **Full duplex USB interface for simultaneous recording and playback from a PC.**
- **Responsive 7" LCD touchscreen for settings, routing, and navigation.**
- XLR and Jack main outputs with stereo control room output.
- Password protection to lock and unlock settings.

Technical Specifications	D. Mix 20
Gain (Mic / Line / Stereo Mic / Stereo Line)	50dB / 50dB
Max Gain (Mic / Line / Stereo Line)	70dB / 70dB
Input Sensitivity	
Mic (Gain Min / Gain Max)	0dBu / 50dBu
Line (Gain Min / Gain Max)	+8dBu / -40dBu
Input Impedance	
Mic Input	5K Balanced
Line Input	19K Unbalanced
Main Output Level (Nominal / Max)	0 dBu (0.775V RMS) / +20 dBu (8V RMS)
Main Output Impedance	120 Ω
Frequency Response	20Hz-20kHz (+0dB / ± 1.5dB)
Total Harmonic Distortion	<0.05%
Signal to Noise Ratio	85dB
Equalisation	
Mono Mic	±24dB (21Hz-19.2kHz)
Stereo Line	±24dB (21Hz-19.2kHz)
EFX	32-bit EFX Processor
Phantom Supply	+48V
Dimensions (W x D x H) mm	445 x 355 x 140
Net Weight (Kg)	7.25

Studiomaster PROFESSIONAL

Orb Series Premium Mixing Consoles

New!

The Studiomaster Professional Orb series is a range of premium mixing consoles integrating state-of-the-art One Knob compression, DSP-based dual multi-EFX processor, built-in USB MP3 media player and recorder and a host of inputs, outputs and routing options.

Orb 1822: 18 mic / 20 line inputs

Orb 1222: 12 mic / 14 line inputs

ONE KNOB COMPRESSOR

Benefits of One Knob Compression
• Higher effective gain
• Reduced equipment damage
• Even signal level
• Makes loud signals softer and soft signals louder

Dual Multi-EFX Processor

DSP Multi-EFX DSP

24/48 High Res. Sampling Rate

24 DSP Presets

EFX to MON Routing

USB MP3 Media Player & Recorder

USB ENABLED
mp3
REC Recording
Bluetooth

5 Aux Sends
• 3 pre/post & 2 post
• Stereo Aux returns

World Class Design
• Angled for visibility
• Classy side cheeks
• Rear panel input/output

7-Band Stereo Graphic Equalizer

- MON:Ster (mono-stereo) inputs for full flexibility.
- Ultra low-noise preamps with wide headroom and dynamic range.
- 75Hz low cut on mono channels.
- 4-band EQ on all inputs.
- 5 Aux sends - 3 pre/post and 2 post.
- 2 sub groups with individual ¼" outputs.
- Insert (send/return) on first 4 mono channels and main output.
- Globally switched +48V phantom power supply.
- Responsive 60mm faders.

Technical Specifications	Orb 1222	Orb 1822
Nominal Gain (Mic / Line / Stereo Line)	60dB / 40dB / 20dB	
Max Gain (Mic / Line / Stereo Line)	80dB / 60dB / 40dB	
Input Output Levels		
Mic (Gain Min / Gain Max)	-10dBu / -60dBu	
Line (Gain Min / Gain Max)	+10dBu / -40dBu	
Stereo Line (Gain Min / Gain Max)	+10dBu / -20dBu	
Aux Return (Nominal / Max)	-10dBu / +30dBu	
Output Levels		
Main Output (Nominal / Max)	0dBu (0.775V RMS) / +20dBu (7.75V RMS) Max	
Insert In/Out (Nominal / Max)	0dBu (0.775V RMS) / +20dBu (7.75V RMS) Max	
General		
Mic Input Impedance	5 KΩ Balanced	
Line Input Impedance	20KΩ Balanced / 10KΩ Unbalanced	
Frequency Response	20Hz-20kHz (+0 / -1dB)	
Total Harmonic Distortion	< 0.02%	
MIC EIN (Equivalent Input Noise)	-128dB	
Main Out/Group Out	-80dB	
Equalization		
Mono MIC (Hi / Hi-Mid / Low-Mid / Low)	±15dB @ 12kHz / 2.5kHz / 400Hz / 80Hz	
Stereo Line (Hi / Hi-Mid / Low-Mid / Low)	±15dB @ 12kHz / 2.5kHz / 400Hz / 80Hz	
Dimensions (W x D x H) mm	630 x 490 x 160	820 x 490 x 160
Net Weight (Kg)	10	13

Studiomaster PROFESSIONAL

Platinum 16Fx Premium Mixing Console

The Platinum 16Fx is our feature-rich mixer with multiple routing options, warm 16-bit multi-EFX processor, and a stereo 7-band graphic EQ that delivers unmatched sound quality and reliability in live, touring, and install applications.

EFX Section

- **16-bit (32-bit internal) digital stereo EFX with user editable parameters.**
- **High-resolution preset effects with 4-memory switches.**

- High-quality 20 input mixer with 16 mic / 12 line + 4 mono/stereo inputs.
- 3-band EQ with mid-sweep on mono inputs and 3-band EQ on stereo inputs.
- MON:Ster (mono-stereo) inputs for full flexibility.
- 2 aux sends / 1 stereo aux returns.
- **Total 4 Aux sends: 2 aux, 1 EFX, and 1 monitor with rotary control on each channel.**
- Listen (PFL) and Group/Master routable switch per channel.
- Stereo 7-band graphic EQ switchable to master/monitor.
- Globally switched +48V phantom power.
- L/R pan control on each channel.
- 12 Segment L/R LED meter for master, PFL and monitor level.
- Separate master fader control for group, monitor and L/R output.
- Audio-grade ¼" jack for line and monitor output.
- Balanced XLR and ¼" jack master output.
- Stereo tape in/ tape out, headphone out with rotary volume control.

Technical Specifications	Platinum 16Fx
Nominal Gain (Mic / Line / Stereo Line)	60dB / 40dB / 20dB
Max Gain (Mic / Line / Stereo Line)	75dB / 55dB / 35dB
Input Levels Sensitivity	
Mic (Gain Min / Gain Max)	-10dBu / -60dBu
Line (Gain Min / Gain Max)	+8dBu / -40dBu
Stereo Line (Gain Min / Gain Max)	+6dBu / -24dBu
Input Impedance	
Mic Input	Typically 2KΩ Balanced
Line Input	20KΩ (Balanced) / 10KΩ (Unbalanced)
Main Output level (Nominal / Max)	+0dBu (0.775V RMS) / +22dBu (10V RMS)
Main Output Impedance	< 30Ω
Frequency Response	20Hz-20kHz (+0/-1 dB)
Total Harmonic Distortion	< 0.006%
Signal to Noise Ratio	-78dB
Clip Indication	5dB prior to true clip
Equalisation	
Mono Mic (Treble / Mid with Sweep / Bass)	±15dB @ 12kHz / 350Hz-6kHz / 60Hz
Stereo Mic/Line (Treble / Mid / Bass)	±15dB @ 12kHz / 1.6kHz / 45Hz
Dimensions (W x D x H) mm	725 x 440 x 126
Net Weight (Kg)	12.7

Studiomaster PROFESSIONAL

AiR Pro Series Large-format Mixing Consoles

The AiR Pro series is our range of large-format professional consoles featuring built-in dual multi EFX processors, widest input, output, and routing options, and a host of features to deliver an intuitive mixing experience. Sporting a split-console-design, the AiR Pro series is ideal for live, front-of-house, touring, and installation applications.
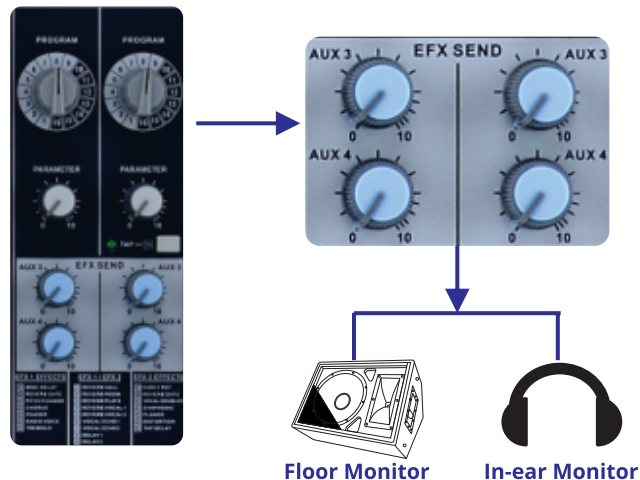
AiR Pro 18

AiR Pro 28

AiR Pro 36

AiR Pro Series Large-format Mixing Consoles

Key Features:

Mono sub output with low-frequency selection.

Provision on board to route EFX to monitors via AUX 3 & AUX 4.

Floor Monitor   In-ear Monitor

Common Features

- Built-in dual multi EFX processor with tap tempo.
- 3-band EQ with mid-sweep on mono inputs & 3-band EQ on stereo inputs.
- Balanced XLR and ¼" jack main outputs.
- Inserts on mono channels.
- Mix and group routing on each channel.
- **Highly-responsive 100mm faders.**
- PFL switch on each channel.
- 100Hz low cut on each mono channel.
- Peak and mute LED per channel.
- Headphones and monitor outputs with level control.
- 2-track RCA input and output with level control.
- 12V XLR lamp socket.

	AiR Pro 18	AiR Pro 28	AiR Pro 36
Inputs	16 mic/line + 1 stereo	24 mic/line +2 stereo	32 mic/line + 2 stereo
Aux (Pre / Post)	6 (4 / 2)	6 (4 / 2)	6 (4 / 2)
EFX to Aux	Yes	Yes	Yes
Subgroup	4	6	6
Mono Sub Out	Yes	Yes	Yes
Phantom Supply	+48V (Split Global for 1-8 and 9-16 Channels)	+48V (Individual Switch on each Channel)	

Technical Specifications	AiR Pro 18	AiR Pro 28	AiR Pro 36
Nominal Gain (Mic / Line / Stereo Line)	60dB / 40dB / 20dB		
Max Gain (Mic/Line / Stereo Line)	80dB / 60dB / 40dB		
Input Levels Sensitivity			
Mic (Gain Min / Gain Max)	-10dBu / -60dBu		
Line (Gain Min / Gain Max)	+10dBu / -40dBu		
Stereo Line (Gain Min / Gain Max)	+10dBu / -20dBu		
Input Impedance			
Mic Input	1.5KΩ Balanced		
Line Input	20KΩ Balanced / 10KΩ Unbalanced		
Main Output Level (Nominal / Max)	+0dBu (0.775V RMS) / +20dBu (7.75V RMS)		
Frequency Response	20Hz-20kHz (+0/-1dB)		
Total Harmonic Distortion	< 0.02%		
Signal to Noise Ratio	-80dB		
Clip Indication	5dB prior to true clip		
Equalisation			
Mono Mic (Treble / Mid with Sweep / Bass)	±16dB @ 12kHz / 140Hz-3kHz / 80Hz		
Stereo Mic/Line (Treble / Bass)	±16dB @ 12kHz / 80Hz		
EFX	2 x 16EFX (EFX1 and EFX 2)		
Dimensions (W x D x H) mm	658 x 520 x 130	900 x 520 x 130	1105 x 520 x 130
Net Weight (Kg)	12	16.5	18

Studiomaster PROFESSIONAL

AiR Series / AiR U Series Professional Mixing Consoles

The AiR series is our range of compact mixing consoles for budget-conscious users who refuse to sacrifice sound quality, value, and reliability.

Mini Mixers

AiR 2: 2 mic/line + 2 stereo inputs

AiR 4: 4 mic/line + 2 stereo inputs

AiR 2U: 2 mic/line + 2 stereo inputs + media player

AiR 4U: 4 mic/line + 2 stereo inputs + media player

- **Delay EFX onboard with send per channel.**
- 3-band EQ on mono inputs and 2-band EQ on stereo inputs.
- Stereo RCA playback in and record out.
- L/R pan control and peak LED per channel.
- Headphones output with level control.
- L/R pan control and peak LED per channel.
- Dual 10-segment L/R LED meter for master level.
- Balanced ¼" jack master outputs.

Mid-Format Professional Mixers

AiR 4F: 4 mic/line + 1 CD inputs New!

AiR 6R: 6 mic/line + 1 CD Input + 1 Media Player + Recorder New!

AiR 6: 6 mic/line inputs

AiR 8: 8 mic/line inputs

- **Delay EFX onboard with send per channel.**
- 1 Aux send.
- 3-band EQ per channel.
- PFL (Cue) switch with individual channel control.
- L/R pan pot and clip LED per channel.
- Stereo RCA input with control.
- Headphone output with level control.
- Balanced XLR and ¼" jack master output.
- **60mm long faders (AiR 4F).**

AiR 12: 12 mic/line inputs

AiR 16: 16 mic/line inputs

AiR Series / AiR U Series Professional Mixing Consoles

AiR 24 Key Features

- Built-in dual multi EFX processor.
- 3-band EQ with mid-sweep on mono inputs and 2-band EQ on stereo inputs.
- Insert on mono channels.
- 3 AUX channels (1 pre & 2 post).
- Stereo AUX returns.
- 4 subgroups with individual outputs.
- Highly-responsive 100mm faders.
- +48V Phantom supply - split global from 1-12 and 17-24 channels.
- PFL switch on each channel.
- 100Hz low cut on each mono channel.

AiR 24: 20 mic/line + 2 stereo inputs

Mid-Format Mixers with Media Player

AiR 6U: 6 mic/line + media player   **AiR 8U: 8 mic/line + media player**   **AiR 12U: 12 mic/line + media player**

- High-quality USB MP3 player and Bluetooth on board with IR remote control.
- LED display to show track information with transport controls.

*   Standard features same as the AiR Series.

MEDIA PLAYER
USB / Bluetooth
USB   MHZ
MP3
PLAY/   PREV/   NEXT/ ON-OFF/
PAUSE   VOL-   VOL+   MODE
REPEAT   IR

USB

mp3

Bluetooth

AiR 16U: 16 mic/line + media player

Technical Specifications	AiR Series
Gain (Mic / Line)	60dB / 40dB
Input Levels Sensitivity	
Mic (Gain Min / Gain Max)	-5dBu / -60dBu
Line (Gain Min / Gain Max)	+6dBu / -40dBu
Main Output Level (Nominal / Max)	+0dBu (0.775V RMS) / +20dBu (7.75V RMS)
Frequency Response	20Hz-20kHz (+0/-3dB)
Total Harmonic Distortion	< 0.03%
Signal to Noise Ratio	-85dB
Clip Indication	4dB prior to true clip
Equalisation (Treble / Mid / Bass)	±15dB @ 12kHz / 2.5kHz / 80Hz
EFX	Delay with repeat

Models	Dimensions (W x D x H) mm	Net Weight (Kg)
AiR 2	190 x 245 x 67	1.86
AiR 2U	190 x 245 x 67	1.90
AiR 4	242 x 245 x 70	2.20
AiR 4U	245 x 245 x 70	2.24
AiR 4F	330 x 190 x 105 New!	3
AiR 6	245 x 334 x 107	3.4
AiR 6U	252 x 334 x 107	3.6
AiR 6R	252 x 334 x 107 New!	3.6
AiR 8	300 x 334 x 107	3.9
AiR 8U	307 x 334 x 107	4.1
AiR 12	408 x 334 x 107	4.9
AiR 12U	414 x 334 x 107	5.1
AiR 16	516 x 334 x 107	5.6
AiR 16U	522 x 334 x 107	5.8
AiR 24	680 x 520 x 130	12.5

Studiomaster
PROFESSIONAL

Pro 3 Series Professional Mixing Consoles

The Pro 3 series is our range of mixing consoles that combine the simplicity of the Diamond Club series with added routing features to tackle more complex mixing applications.
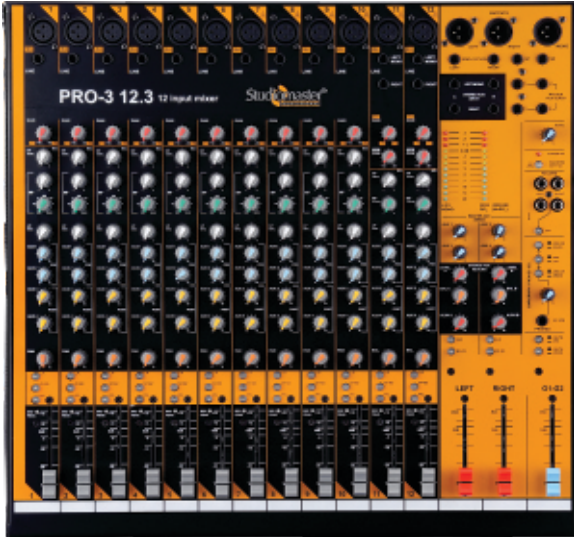
Pro 12.3: 12 mic / 10 line + 2 mono/stereo inputs

Pro 16.3: 16 mic / 14 line + 2 mono/stereo inputs

- MON:Ster (mono-stereo) inputs for full flexibility.
- Aux 1/2 are pre-fader and Aux 3/4 are post-fader.
- 4 Aux send/level AB and Aux 4 AB returns on board.
- **Switchable +48V phantom power: Ch. 7-12 (Pro 12.3:) & Ch. 7-16 (Pro 16.3).**
- **Separate mono XLR output with level control.**
- Master (L-R), Group (G1-G2), PFL self-illuminated switches per channel.

- Group switchable to Main Mix/Mono or both.
- 3-band EQ with mid-sweep on each channel.
- Balanced XLR master output.
- Headphone and bar graph monitoring by selection of Mix/Group and Mono/PFL.
- L/R pan control and signal/peak LED per channel.
- Stereo RCA CD In/Record out and ¼" headphone out.

Technical Specifications	Pro 12.3	Pro 16.3
Nominal Gain (Mic / Line / Stereo Line)	60dB / 40dB / 20dB	
Max Gain (Mic / Line / Stereo Line)	80dB / 60dB / 40dB	
Input Levels Sensitivity		
Mic (Gain Min / Gain Max)	-10dBu / -60dBu	
Line (Gain Min / Gain Max)	-10dBu / -40dBu	
Stereo Line (Gain Min / Gain Max)	-10dBu / -20dBu	
Input Impedance		
Mic Input	Typically 1.7KΩ Balanced	
Line Input	17KΩ (Balanced) / 8KΩ (Unbalanced)	
Main Out and Group Out Level (Nominal / Max)	+0dBu (0.775V RMS) / +22dBu (10V RMS)	
Main Output Impedance	< 30Ω	
Frequency Response	20Hz-20kHz (+0/-1dB)	
Total Harmonic Distortion	< 0.01	
Signal to Noise Ratio	-78dB	
Clip Indication	5dB prior to true clip	
Equalisation		
Mono Mic (Treble / Mid (with sweep) / Bass)	±16dB @ 12kHz / 350Hz-6kHz / 60Hz	
Stereo Mic/Line (Treble / Mid / Bass)	±16dB @ 12kHz / 2.5kHz / 45Hz	
Phantom Supply	+48V [Ch 7-12]	+48V [Ch 7-16]
Dimensions (W x D x H) mm	480 x 460 x 128	599 x 460 x 128
Net Weight (Kg)	9.2	10.6

Aqua Series Compact Mixing Consoles

The Aqua series is our a range of feature-packed yet compact mixing consoles with multiple routing options, 24-bit multi-EFX processor, and a 7-band stereo graphic equaliser ideal for a variety of touring and install applications.

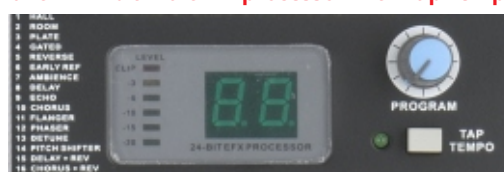**Aqua 6: 4 mic/line + 2 stereo inputs**

Aqua 8: 6 mic/line + 2 stereo inputs

Aqua 10: 8 mic/line + 2 stereo inputs

7-band stereo Graphic Equalizer.

Built-in 24-bit multi-FX processor with Tap Tempo.

- 2 Aux Sends - Aux + EFX (when internal EFX is unused).
- **2 Sub groups with individual outputs.**
- **Globally switched +48V phantom power.**
- 3-band EQ per channel.
- Mic/Line selectivity switch on each mono channel with -20dB attenuation pad for mic input.
- Mix, Group and PFL routing per channel.
- L/R pan control and signal LED per channel.
- Headphone and monitor outputs with level control.
- Stereo RCA playback and record outputs.
- FS mute jack to connect to a standard footswitch to switch the internal EFX On/Off.
- Balanced XLR group and main outputs.

Aqua 14: 12 mic/line + 2 stereo inputs

Technical Specifications	Aqua Series
Nominal Gain (Mic / Line / Stereo Line)	60dB / 40dB / 20dB
Max Gain (Mic / Line / Stereo Line)	80dB / 60dB / 40dB
Input Levels Sensitivity	
Mic (Gain Min / Gain Max)	-10dBu / -60dBu
Line (Gain Min / Gain Max)	+10dBu / -40dBu
Stereo Line (Gain Min / Gain Max)	+10dBu / -20dBu
Input Impedance	
Mic Input	2KΩ Balanced
Line Input	20KΩ (Balanced) / 10KΩ (Unbalanced)
Main Output Level (Nominal / Max)	0dBu (0.775V RMS) / +22dBu (10V RMS)
Main Output Impedance	75Ω
Frequency Response	20Hz-20kHz (+0/-2dB)
Total Harmonic Distortion	< 0.006%
Signal to Noise Ratio	85dB
Equalisation (Mic / Stereo Line)	±15dB (12kHz HF / 2.5kHz MF / 60Hz LF) / ±15dB (12kHz HF / 2.5kHz MF / 80Hz LF)
Effect	16 Effects, 24-bit EFX Processor
Phantom Supply	+48V

Models	Dimensions (W x D x H) mm	Net Weight (Kg)
Aqua 6	322 x 317 x 134	4.5
Aqua 8	376 x 317 x 134	5.0
Aqua 10	430 x 317 x 134	5.5
Aqua 14	538 x 317 x 134	6.5

Studiomaster PROFESSIONAL

Diamond Club Series Professional Mixing Consoles

The Diamond Club series is our widest range of mixing consoles designed to deliver superior sound quality, value, and reliability. Built to match international standards, they are among the best selling and the most trusted mixing consoles across India.

DC 6.2: 6 mic/line inputs   DC 8.2: 8 mic/line inputs   DC 12.2: 12 mic/line inputs

DC 16.2: 16 mic/line inputs

- 2 Aux Sends/Returns.
- 1 pre and 1 post aux sends rotary control per channel.
- Balanced mic/line inputs.
- Gain control with 3-band EQ per channel.
- L/R pan pot, illuminated mute switch and clip LED per channel.

- Stereo RCA playback in and record out with ¼" headphone out.
- Audio-grade balanced ¼ TRS L/R main output.
- 12-segment L/R LED meter for master level.
- Blue power on LED.
- Elegant shape, curved front with a stylish Grey panel.

Diamond Club Series with EFX

DC 8.2 EFX: 8 mic/line inputs + EFX   DC 12.2 EFX: 12 mic/line inputs + EFX   DC 16.2 EFX: 16 mic/line inputs + EFX

Additional Features (For EFX):
- **Built-in Delay EFX with 3 delay modes, feedback, and delay control.**
- Delay time ranging from 30 msec to 640 msec and unique E-delay.

Diamond Club Series Professional Mixing Consoles

DC 12.2UX

12 mic/line + USB / SD card inputs + EFX

USB / SD card MP3 media player onboard with transport control and IR remote control.

Bluetooth

Built-in Bluetooth wireless streaming from smartphones, tablets, and laptops.

New-generation high-quality delay EFX on board.

■ Standard features same as the DC 12.2.

Technical Specifications	Diamond Club Series
Nominal Gain (Mic / Line)	60dB / 40dB
Max Gain (Mic / Line)	76dB / 56dB
Input Levels Sensitivity	
Mic (Gain Min / Gain Max)	-12dBu / -60dBu
Line (Gain Min / Gain Max)	+8dBu / -40dBu
Input Impedance	
Mic Input	Typically 5KΩ balanced
Line Input	20KΩ (Balanced) / 10KΩ (Unbalanced)
Main Output Level (Nominal / Max)	0dBu (0.775V) / +17dBu (5.5V RMS)
Main Output Impedance	<50Ω
Frequency Response	25Hz-19kHz (+0/-1dB)
Total Harmonic Distortion	Better than 0.8%
Signal to Noise Ratio	-76dB
Clip indication	4dB prior to true clip
Equalisation (Treble / Mid / Bass)	±16dB @ 10kHz / 2.5kHz / 100Hz

Models	EFX and USB	Dimensions (W x D x H) mm	Net Weight (Kg)
DC 6.2	-	335 x 376 x 89	5.5
DC 8.2	-	395 x 376 x 89	6.5
DC 8.2EFX	EFX (Delay)	435 x 376 x 89	7
DC 12.2	-	515 x 376 x 89	8
DC 12.2EFX	EFX (Delay)	555 x 376 x 89	8.5
DC 12.2UX	USB + SD + MMC + EFX (Delay)	555 x 376 x 89	8.5
DC 16.2	-	635 x 376 x 89	10
DC 16.2EFX	EFX (Delay)	675 x 376 x 89	10

Mini Series Ultra Compact Mixing Consoles

New.

The Mini series is our range of ultra-compact and portable audio mixers for budget-conscious users who are looking for an easy-to-use interface, value, and reliability. Jam-packed with features, the mixers are ideal for a host of fixed and mobile applications.

Small Size, Big Performance!

USB / MP3 media player onboard with transport control and IR remote control.

Bluetooth
Built-in Bluetooth wireless streaming from smartphones, tablets, and laptops.

- Gain control with 2-band EQ per channel.
- Built-in echo/delay processor with unique E-delay.
- Clip LED indication per channel.
- Signal & clip LED indication for master level.
- 1/4" TS unbalanced L/R main output.

Technical Specifications	Mini 6	Mini 6U
Number Of Inputs	4 mic/line + 1 stereo input	4 mic/line + 1 stereo input + USB + Bluetooth
Maximum Gain		
Mic Input	48dB	
Line Input	48dB	
Stereo Input	30dB	
Frequency Response	25Hz-19kHz (+0/-1dB)	
Signal to Noise Ratio	-64dB	
Clip Indication	-4dB prior to true clip.	
Equalisation (Treble / Bass)	±15dB @ 10kHz / 100Hz	
Dimensions (W x D x H) mm	264 x 180 x 57	
Net Weight (Kg)	1.7	
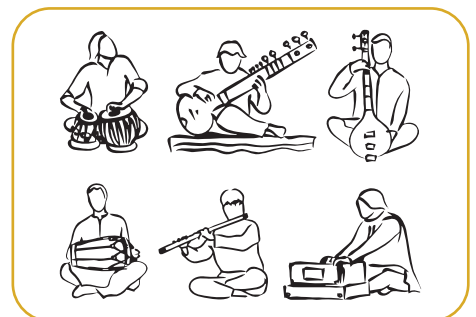
Club 2000 Series Compact Mixing Consoles

The Club 2000 series is our range of compact mixing consoles with a host of essential features suitable for a wide range of touring and install applications.

Club 2000 142: 10 mic/line + 2 stereo inputs

Club 2000 182: 14 mic/line + 2 stereo inputs

- 2 Aux send and 1 stereo return with rotary controls per channel.
- Ultra low-noise preamps with superior gain structure.
- State-of-the-art high impedance inputs.
- Globally switched +48V phantom power supply.
- 3-band EQ with mid-sweep on mono inputs and 2-band EQ on stereo inputs.

- ¼" PFL headphone output with level control.
- Stereo RCA playback input / Rec out.
- 12-segment L/R LED meter for master level.
- Balanced 1/4" TRS jack L/R master output.
- Insert (Send/Return) on master output.

Technical Specifications	Club 2000 142	Club 2000 182
Nominal Gain (Mic / Line / Stereo Line)	60dB / 40dB / 12dB	
Max Gain (Mic / Line / Stereo Line)	75dB / 55dB / 27dB	
Input Levels Sensitivity		
Mic (Gain Min / Gain Max)	-10dBu / -60dBu	
Line (Gain Min / Gain Max)	+10dBu / -40dBu	
Stereo Line (Gain Min / Gain Max)	0dBu / -12dBu	
Input Impedance		
Mic Input	Typically 2KΩ Balanced	
Line Input	20KΩ (Balanced) / 10KΩ (Unbalanced)	
Stereo Line	15KΩ (Balanced) / 10KΩ (Unbalanced)	
Main Output level (Nominal / Max)	+0dBu (0.775V RMS) / +22dBu (10V RMS)	
Main Output Impedance	< 75Ω	
Frequency Response	20Hz-20kHz (+0/-1dB)	
Total Harmonic Distortion	< 0.004%	
Signal to Noise Ratio	-75dB	
Clip Indication	5dB prior to true clip	
Equalisation		
Mono Mic (Treble / Mid with Sweep / Bass)	±15dB @ 12kHz / 350Hz-6kHz / 60Hz	
Stereo Mic/Line (Treble / Bass)	±15dB @ 12kHz / 45Hz	
Phantom Supply	+48V	
Dimensions (W x D x H) mm	492 x 322 x 87	605 x 322 x 87
Net Weight (Kg)	5.5	6.8

Studiomaster® PROFESSIONAL

Diamond Supreme Series Professional Mixing Consoles

The Diamond Supreme is our elegant range of feature-rich mixer ideal for a wide variety of professional touring and install applications.

- DS 12: 12 mic/line + 1 mono/stereo
- DS 12U: 12 mic/line + 1 mono/stereo + USB
- DS 16U: 15 mic/line + 2 mono/stereo + USB

USB Player

- 2 aux sends with stereo aux returns.
- **Built-In delay EFX with 3 delay modes, Feedback and delay controls.**
- **Separate mono output with fader and balanced XLR output.**
- USB MP3 player with remote (only on DS 12U & DS 16U)
- **MON:Ster (Mono-Stereo) inputs for full flexibility.**

- +48V global phantom power switch.
- Balanced XLR master output.
- 3 band EQ per channel.
- L/R pan pot , illuminated mute switch and clip LED per channel.
- Stereo tape in / tape out and ¼" headphone out.
- Balanced mic / line inputs

Palladium 1842 Premium Mixing Console

The Palladium 1842 is our feature-packed yet compact 24 input mixer with multiple routing options, 24-bit multi-EFX processor, and a built-in USB interface for simultaneous stereo recording and playback.

9-band Graphic Equalizer

High quality 24-bit digital multi-EFX processor

Built-In USB Interface with playback and record.

- Premium 24 input mixer (18 Mic + 6 Stereo) with state-of-the-art preamps.
- Line/USB selection on one stereo channel.
- **4 Aux sends per channel: 2 Pre/Post and 2 Post.**
- USB Interface with playback and record.
- Globally switched +48V phantom power.
- **4 group output with fader and individual inserts.**

DJX 325 3 Channel DJ mixer

- Dual input stereo channels.
- **3-band kill EQ (-30 dB)** and gain control per stereo channel.
- Monitor function with master/PFL (cue) mix option.
- LED bargraph selectable to master or CUE.
- ¼" microphone input with 2-band equalizer.
- Master and booth RCA outputs.

Technical Specifications	DJX 325
Gain (Mic / Line)	57dB / 0dB
Input Level Sensitivity (Mic / Line)	-57dB / 0dB
Main Output Levels (Nominal / Max)	0dBu (0.775V) /+18dBu (6.15V RMS)
Booth Output Levels (Nominal / Max)	0dBu (0.775V) Nominal / +18dBu (6.15V RMS) Max
Frequency Response	20Hz-20kHz (+/-3dB)
Total Harmonic Distortion	0.07% @ 1kHz 0.1% @ 1kHz
Equalisation Line Input (Treble / Mid / Bass)	Line: +10/-12dB @ 10kHz, +12/-24dB @ 1.3kHz, +12/-29dB @ 50Hz Mic: ±12dB @ 10kHz / 70Hz (2-band)
Signal to Noise Ratio (Mic / Line)	60dB / 82dB
Dimensions (W x D x H) mm	204 x 293 x 77
Net Weight (Kg)	1.9

DJX 825 4 Channel DJ mixer

- **3-band kill EQ (-30 dB)** and gain control per channel.
- Balanced XLR mic input with gain and 2-band EQ.
- **Crossfader reverse / normal / flat/ steep curve switch.**
- **Headphone cue Mix with cue blend switch.**
- Separate master, record and booth RCA output.
- ¼" headphone output with level control.
- Balanced XLR master output.

Technical Specifications	DJX 825
Gain (Mic / Phono / Line)	40dB / 40dB / 0dB
Input Level Sensitivity (Mic / Phono / Line)	-40dBu / -40dBu / 0dBu
Main Output Levels (Nominal / Max)	0dBu (0.775V) /+18dBu (6.15V RMS)
Booth Output Levels (Nominal / Max)	0dBu (0.775V) Nominal / +18dBu (6.15V RMS) Max
Frequency Response	20Hz-22kHz (+/-3dB)
Total Harmonic Distortion	0.07% @ 1kHz 0.1% @ 1kHz
Equalisation Line Input (Treble / Mid / Bass)	+10/-12dB @ 10kHz / +12/-24dB @ 1.3kHz / +12/-29dB @ 50Hz
Signal to Noise Ratio (Mic / Line)	60dB / 82dB
Dimensions (W x D x H) mm	242 x 301 x 106
Net Weight (Kg)	2.4

DJX 925 5 Channel DJ mixer

- **3-band Kill EQ (-30 dB)** and gain control per channel.
- Balanced mic input with gain and 3-band EQ (±12dB).
- Crossfader **reverse and normal** mode switch with **flat and steep** curve switch.
- **Headphone Cue Mix facility with Cue blend switch.**
- Separate master, record and booth RCA output.
- ¼" headphone output with level control.
- Balanced XLR master output.

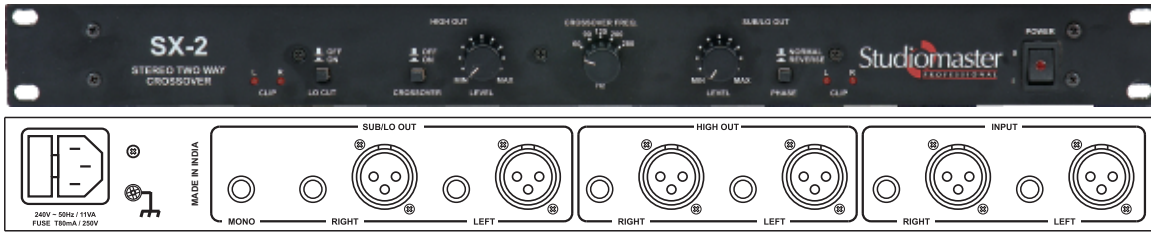| Technical Specifications	DJX 925
Gain (Mic / Phono / Line)	40dB / 40dB / 0dB
Input Level Sensitivity (Mic / Phono / Line)	-40dBu / -40dBu / 0dBu
Main Output Levels (Nominal / Max)	0dBu (0.775V) / +18dBu (6.15V RMS)
Booth Output Levels (Nominal / Max)	0dBu (0.775V) / +18dBu (6.15V RMS)
Frequency Response	20Hz-22kHz (+/-3dB)
Total Harmonic Distortion	0.07% @ 1kHz 0.1% @ 1kHz
Equalisation Line Input (Treble / Mid / Bass)	+10/-12dB @ 10kHz / +12/-24dB @ 1.3kHz / +12/-29dB @ 50Hz
Signal to Noise Ratio (Mic / Line)	60dB / 82dB
Dimensions (W x D x H) mm	278 x 302 x 106
Net Weight (Kg)	3.6

DJX 975 5 Channel DJ mixer with EFX BPM

- 5 DJ friendly EFX (Flanger, Phaser, HPF, LPF, Phatter)
- **Editable EFX parameters.**
- **BPM Tap Switch**
- **Intelligent LED BPM counter.**
- **EFX BPM SYNC (syncs EFX to the BPM of track).**
- Balanced XLR master output.
- Standard features same as the DJX 925.

Technical Specifications	DJX 975
Gain (Mic / Phono / Line)	40dB / 40dB / 0dB
Input Level Sensitivity (Mic / Phono / Line)	-40dBu / -40dBu / 0dBu
Main Output Levels (Nominal / Max)	0dBu (0.775V) / +18dBu (6.15V RMS)
Booth Output Levels (Nominal / Max)	0dBu (0.775V) / +18dBu (6.15V RMS)
Frequency Response	20Hz-22kHz (+/-3dB)
Total Harmonic Distortion	0.07% @ 1kHz 0.1% @ 1kHz
Equalisation Line Input (Treble / Mid / Bass)	+10/-12dB @ 10kHz / +12/-24dB @ 1.3kHz / +12/-29dB @ 50Hz
Signal to Noise Ratio (Mic / Line)	60dB / 82dB
Dimensions (W x D x H) mm	278 x 302 x 106
Net Weight (Kg)	3.6

Studiomaster PROFESSIONAL

SX-2 2-Way Stereo Crossover

- 2-way stereo active crossover.
- Octave slope: 18dB for low and high.
- Crossover selectable frequency: 60, 90, 120, 200 and 280Hz.
- Individual output controls for both frequency bands.
- Input and output connectors: XLR and ¼" TRS jack.

SX-321 2-Way / 3-Way Stereo Crossover
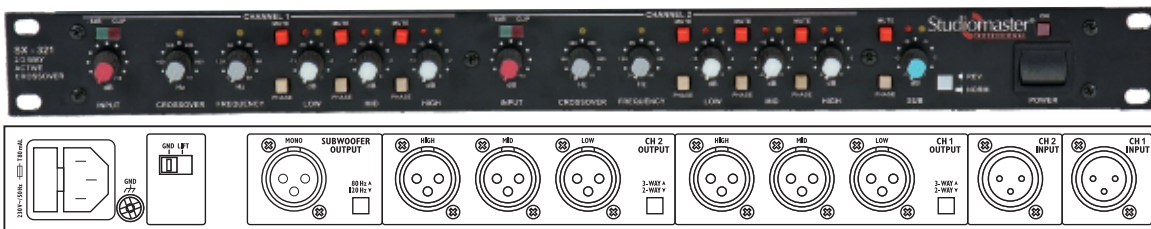
- 2-way, 3-way stereo active crossover with subwoofer out.
- Octave slope: 12dB for low, mid, high and 24dB for subwoofer.
- Crossover frequency: 70Hz-1kHz and 910Hz-8kHz.
- Individual output level and mute control for each frequency band.
- Phase adjustment switch for each frequency band.
- Separate subwoofer out with master rotary control and switchable frequency 80/120Hz.
- Input and output connectors: XLR and ¼" jack.

SX-341 Stereo 2-Way / 3-Way / Mono 4-Way Crossover
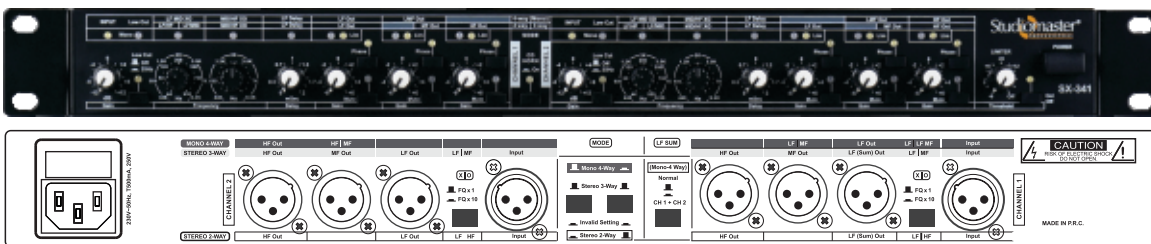
- Octave slope: 12dB for low, mid, high and 24dB for subwoofer.
- Individual limiters on each output for optimal loudspeaker protection.
- Adjustable time delay for phase alignment between drivers.
- **CD horn equalization for constant directivity horn compensation.**
- "Low Sum" function provides mono output for subwoofer operation.
- Individual output gain controls for all bands.
- Mute switches for individual output makes band adjustment easy.
- Individual phase reverse switches for instant phase correction.
- Switchable 25Hz low cut filter on each input for low-frequency driver protection.
- Balanced XLR connectors for all inputs and outputs.

Technical Specifications	SX-2	SX 321	SX 341
Input Impedance	20KΩ Balanced	20KΩ Balanced	10KΩ Unbalanced / 20KΩ Balanced
Output Level / Impedance	0.775V / 600Ω Max 7V Balanced	1V / 600Ω Max 7V Balanced	Unbalanced: 30Ω, Bal: 60Ω
Signal to Noise Ratio	90 dB	80 dB	95dB
Crossover Frequency Response	60Hz, 90Hz, 120Hz, 200Hz, 280Hz	Low/Mid: 70Hz-1kHz / Mid/High: 910Hz- 8kHz Subwoofer: 80/120Hz	44Hz-9.3kHz
THD	<0.1%	<0.1%	<0.05%
Low Cut	-3dB @ 50Hz	-	-3dB @ 25Hz
Input Sensitivity	0dBu	0dBu	0dBu
Slope (Low, Mid, High)	18dB/octave	12dB/octave	24dB/octave
Subwoofer Slope	-	24dB/octave	24dB/octave
Dimension (W x D x H) mm	482 x 132 x 44 (1U)	482 x 150 x 44 (1U)	482.6 x 161 x 44 (1U)
Net Weight (Kg)	2.7	2.7	2.5

SEQ 152 Dual 15-Band Graphic Equalizer

- Professional dual 15-band stereo graphic equalizer with a constant Q factor.
- Range setting switchable between 6dB/15dB to give a gradual variation as required.
- Durable and accurate 20mm faders.

- Convenient ground lift switch on the rear panel.
- LF cut and bypass switches.
- Balanced XLR and unbalanced ¼" input and output connectors.

SEQ 312 Dual 31-Band Graphic Equalizer
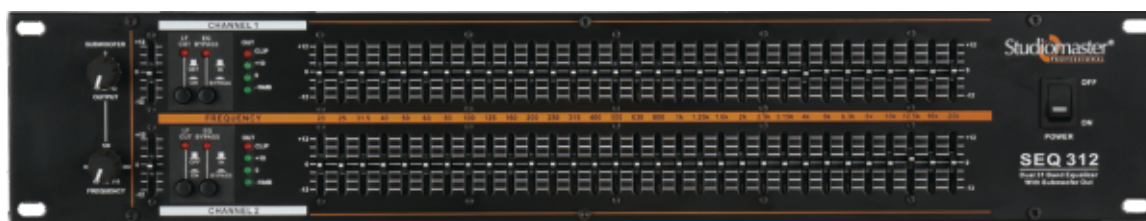
- Professional dual 31-band stereo graphic equalizer with a constant Q factor.
- Range setting switchable between +12dB/-12dB to give a gradual variation as required.

- Durable and accurate 20mm faders.
- LF cut and bypass switches.
- Separate sub out with selectable frequencies.
- Balanced XLR and unbalanced ¼" input & output connectors.

SEQ 302F Dual 30-Band Graphic Equalizer

- Professional dual 30-band stereo graphic equalizer with **feedback detection system** and a constant Q factor.
- **LED for each frequency instantly reveals the critical frequencies.**
- Range setting between +12dB/-12dB to give the gradual variation required.

- Durable and accurate 20mm faders for easy level setting of each frequency.
- Low frequency cut and EQ bypass switches.
- Balanced XLR and unbalanced ¼" input and output connectors.

Technical Specifications	SEQ 152	SEQ 302F	SEQ 312
Input Impedance	Balanced 20K Ω	Balanced 12.7K Ω	Balanced 20 K Ω
Output Impedance	Balanced 600 Ω	Balanced 600 Ω	Balanced 600 Ω
Input Output Connectors	XLR and TRS	XLR and TRS	XLR and TRS
Frequency Range	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz
EQ Center Frequency	25Hz, 40Hz, 63Hz, 100Hz, 160Hz, 250Hz, 400Hz, 630Hz, 1kHz, 1.6kHz, 2.5kHz, 4kHz, 6.3kHz, 10kHz, 16kHz.	25Hz, 31Hz, 40Hz, 50Hz, 63Hz, 80Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1kHz, 1.25kHz, 1.6kHz, 2kHz, 2.5kHz, 3.15kHz, 4kHz, 5kHz, 6.3kHz, 8kHz, 10kHz, 12.5kHz, 16kHz, 20kHz.	20Hz, 25Hz, 31.5Hz, 40Hz, 50Hz, 63Hz, 80Hz, 100Hz 125Hz, 180Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1kHz, 1.25kHz, 1.6kHz, 2kHz, 2.5kHz, 3.15kHz, 4kHz, 5kHz, 6.3kHz, 8kHz, 10kHz, 12.5kHz, 16kHz, 20kHz.
EQ Cut / Boost	Switchable to ±6dB and ±15dB	±12dB	±12dB
Subwoofer Frequency	-	63Hz-315Hz	63Hz-315Hz
Low Cut	-3dB@30Hz	-3dB@63Hz	-3dB@63Hz
Signal to Noise Ratio	>90dB		
THD	0.05%	0.01%	0.01%
Dimensions (W x D x H) mm	483 x 170 x 44.5 (1U)	485 x 170 x 90 (2U)	482 x 145 x 88 (2U)
Net Weight (Kg)	2.7	3.15	2.9

Studiomaster®
PROFESSIONAL

SDX-4 Loudspeaker Management System

- Loudspeaker Management Speaker with line delay, crossover, and limiter.
- Crossover filter with roll-off characteristics 24dB/octave.
- Self-illuminated X10 crossover frequency selection switch (45Hz-900Hz and 450Hz-9kHz).
- **Dedicated SUB out with frequency selection (80, 150, 200Hz) with 24dB/oct filter and level control.**

- **Line delay is converted to equivalent distance (ft) and is displayed with 3-digit 7-segment display.**
- Selectable limiter on HI out for speaker protection.
- Assignable bar graph to input, sub out, low & high out levels.
- Input level controls with clip LED.
- 3-band equalizer for all inputs and outputs.

Multi 3 8 Channel Splitter / Mixer

- 4 modes of operation:
  - ◆ **Stereo Mix**– 2 x 4 IN / Mix Out + 4 individual channel out.
  - ◆ **Mono Mix**– 8 IN / 2 Mix Out + 8 individual channel out.
  - ◆ **Stereo Split**– 2 IN / 10 Out.
  - ◆ **Mono Split**– 1 IN / 10 Out.
- 10 balanced inputs and outputs.
- ¼" TRS jack inputs on each channel with level control.
- 15dB gain on each channel.
- Self-illuminated mute switches on each channel.
- Clip LED for all inputs.
- Individual outputs: 4 x ¼" stereo jacks and 4 x XLR.
- Balanced inputs/outputs and master control for MIX A and B.

Technical Specifications	Multi 3
Input Sensitivity	0dBu
Input Impedance	> 20 K Ω
Output Impedance	< 50 Ω
Maximum Output Level	+21dBu
Frequency Response	20Hz-20kHz (+/-0.5 dB)
THD	< 0.01 %
Dimensions (W x D x H) mm	482 x 120 x 44.2 (1U)
Net Weight (Kg)	2.1

Multi 6 8 Channel Splitter / Mixer

New!

- 4 modes of operation: • **2 In - 6 Out**   • **6 In - 8 Out**
  • **2 In - 8 Out**   • **8 In - 8 Out**
- 8 balanced input + 8 balanced output.
- Each channel is provided with SPLIT / MIX mode, level, pan control, and LED bargraph.
- Main in / out is provided with level controls, link switch, and LED bargraph.
- Main and 1-4 inputs and outputs via balanced XLR connectors.
- 5-6 inputs and outputs via balanced ¼" TRS jack connectors.
- All switches with LED status indicators.

Technical Specifications	MULTI 6
Input Sensitivity	0dBu (0.775V RMS)
Input Impedance	> 20KΩ Balanced / 10KΩ Unbalanced
Maximum Output Level	+20dBu
Frequency Response	20Hz-20kHz (± 0.5 dB)
THD	<0.025%
Dimensions (W x D x H) mm	483 x 462 x 44.5
Net Weight (Kg)	2.4

SFX-8 Digital Effects Processor

- **Delay and Reverb with separate controls and selection.**
- Both effects can be used individually or in combination for added flexibility and a variety of sonic options.
- Dry/Wet signal mix, pan (balance), output, mute, control with clip LED on the output section.
- Send/Return for use as an external/outboard effects processor with a mixer.
- Balanced mic input with gain control.
- Unbalanced mono/stereo line input with level control.
- Stereo unbalanced Master output with level control.
- 6-segment LED bargraph for monitoring levels.

EFX Section - DELAY			EFX Section - REVERB	
Type	Time	Repeat	Type	Time
Echo			Hall	2.0 - 10 sec
Cross Feedback	50ms to	0-90%	Room	0.5 - 5.0 sec
3-Tap Pan	1000ms		Plate	1.0 - 8.0 sec
One Shot Delay			Ambient	200ms - 2000ms

Technical Specifications	SFX-8
Mono Mic Input Sensitivity	-56dBu (±1dB) at Gain Control Max
Mono Mic Input Impedance	>3.0KΩ
Stereo Line Input Sensitivity	0dBu (±1dB)
Stereo Line Input Impedance	>27KΩ
Output Level	0dBu
Output Impedance	>40KΩ
Dimensions (W x D x H) mm	482 x 175 x 44 (1U)
Net Weight (Kg)	2.1

SD 300 Digital Delay

Back Panel

- High-performance digital delay EFX processor.
- Features 2 professional-grade 1/4" unbalanced Mic/Line inputs and 1 output.
- Inputs switchable between Mic and Line.
- Delay time and repeat control for a variety of effect options.
- Individual level controls for the inputs and effect output.
- Convenient effect ON/OFF or bypass switch.
- Works on +12V DC adapter as well as +9V DC battery.
- Elegant look with a compact build size for easy portability.

Technical Specifications		SD 300
Input Impedance	Mic / Line	> 2.5 K / > 20 K
Sensitivity	Mic / Line	- 34dB (15.5mV) / - 3.5dB (518mV)
Signal to Noise Ratio	Mic / Line	>65 / >70
THD		0.1%
Frequency Response	Mic / Line	0dB @ 50Hz-15kHz / 0dB @ 50Hz-20kHz
Current Consumption		55 mA DC Max.
Dimensions (W x D x H) mm		90 x 93 x 55
Net Weight (g)		400

SPS 8 8 Channel Power Supply Sequencer

- Provides powering on and off sequencing.
- **2 x 25 Ampere output channels for high power equipment such as amplifiers and powered speakers etc.**
- **6 x 6 Ampere output channels for lower power equipment such as mixers, CD players, and processors etc.**
- **2 operating modes: permanent on and sequenced on.**

- Provides +24V DC supply to connect auxiliary equipment.
- Surge and spike protection.
- Selectable sequence delay time from 0.5 To 4 seconds.
- BNC lamp connector on the front panel.
- LED display for AC voltage and ambient temperature.
- Dimensions (W x D x H): 485 x 370 x 90mm (2U).
- Net Weight: 7.6 Kg

Studiomaster
PROFESSIONAL

S Series Premium Passive Subwoofers

The S Series is our flagship range of highly advanced loudspeakers designed to deliver a truly superior sonic experience in a wide variety of touring and installation applications.

Studiomaster Professional Trust with the RCF Punch!

Powered by **RCF** Transducers

S8018   S8118   S8218

S8028

- ■ **Professional loudspeakers featuring high-quality RCF™ transducers specially-designed for high-end touring and installations.**
- ■ Exceptional sound quality with a wide frequency bandwidth and dynamic range.
- ■ Professional-quality dual Speakon connectors for input connectivity and linking additional loudspeakers.
- ■ High-endurance and durable cabinet design with a rugged paint finish built for the road.
- ■ Ergonomically-shaped handles for easy transportation.
- ■ Heavy-gauge perforated metal grille for optimal speaker protection.

| Technical Specifications	S 8018	S8118	S8218	S8128	S8028
Type	Subwoofer	Subwoofer	Subwoofer	Subwoofer	Subwoofer
Power Output RMS / Peak (Watts)	1000 / 2000	1500 / 3000	1800 / 3600	2000 / 4000	3000 / 6000
Frequency Response	40Hz-200Hz	30Hz-200Hz	30Hz-200Hz	40Hz-200Hz	30Hz-200Hz
Impedance (Ω)	8	8	8	4	4
Sensitivity (1w @1m) dB	98	98	98	98	99
Max SPL (dB)	134	134	135	134	134
LF Driver Size	18" woofer with 4" inside/outside voice coil	18" woofer with 4" inside/outside voice coil	18" woofer with 4.5" inside/outside voice coil	2 x 18" woofer with inside/outside voice coil	2 x 18" woofer with 4" inside/outside voice coil
Input Connector	2 x Speakon	2 x Speakon	2 x Speakon	2 x Speakon	2 x Speakon
Dimension (W x D x H) mm	520 x 700 x 700	520 x 700 x 700	520 x 700 x 700	960 x 600 x 540	1070 x 700 x 600
Net Weight (Kg)	48	48	52	65	64

S9022 Premium Passive Line Array System

Part of our flagship S Series, the S9022 is a premium-grade dual 12" Line Array system optimized to deliver unequalled fidelity and coverage. When the venue calls for a high-powered array, the S9022 is the ideal choice for demanding sound engineers and touring professionals.

Powered by RCF Transducers

Rear Panel
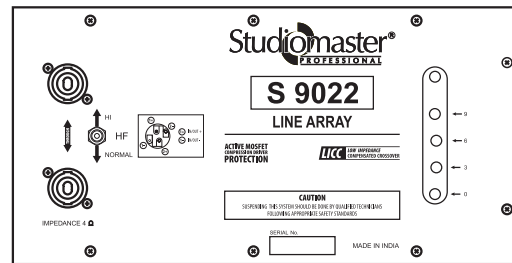
- High performance dual 12" RCF^{TM} LF and 1" HF transducers.
- **High frequency attenuation for selection of throw.**
- Constant Curvature waveguide for unprecedented array coherence.
- Coverage Pattern: 100° x 9° nominal (horizontal x vertical), single unit.
- State-of-the-art crossover design for the highest audio efficiency, fidelity, and enhanced frequency response.
- **Exceptional sound quality, powerful response, and a long throw.**
- High-endurance and durable cabinet design with a scratch-resistant paint finish built for the road.
- Ergonomically-shaped handles for easy transportation.
- Heavy-gauge perforated metal grille for optimal speaker protection.

Technical Specifications	S9022
Type	Line Array
Power Output	
RMS / Peak (Watts)	900 / 1800
Frequency Response	50Hz-20kHz
System Maximum SPL (dB)	134
Sensitivity (1w @ 1m) dB	98dB LF / 100dB HF
LF Driver Size	2 x 12" woofers with 3" inside/outside voice coil
HF Driver Size	2 x 1" exit with 1.4 voice coil
Nominal Impedance (Ω)	4
Horizontal Coverage Angle	100°
Vertical Coverage Angle	9°
Crossover Frequency	1600Hz
Input Connectors	Speakon
Dimensions (W x D x H) mm	960 x 560 x 386
HF Selection Switch	HF HI-LO Selection switch (HF attenuation switch 2dB)
Variable Splay Angles	0°, 3°, 6°, and 9°
Net Weight S9022 (Kg)	55
Net Weight S9022 Fly Bar (Kg)	17

System Consists of:
- S9022 Line Array module.
- Fly bar
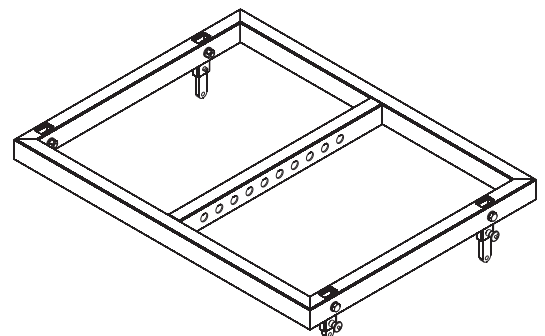
Fire Series High-Performance Passive Speakers

The Fire series is our most comprehensive range of high-performance loudspeakers that combine a state-of-the-art design and years of technical expertise to deliver a blazing sonic performance in live, touring, DJ, and installation applications.

Features:

- Professional Loudspeakers systems for a variety of high-quality outdoor and indoor sound reinforcement systems.
- Exceptional sound quality with a wide frequency bandwidth and dynamic range.
- **Fire 55, 57 and 59 feature unique back firing ports to enhance the bass response.**
- Active mosfet HF Driver protection in the Fire 51, 55, and 57.
- High-endurance and durable cabinet design with a scratch-resistant paint finish built for the road.
- Ergonomically-shaped handles for easy transportation.
- Heavy-gauge perforated metal grille for optimal speaker protection.

Technical Specifications	Fire 21	Fire 51	Fire 55	Fire 57	Fire 59	Fire 82	Fire 84
Type	2-Way Monitor Speaker	2-Way Speaker	2-Way Speaker			Subwoofer	Subwoofer
Power Output RMS / Peak (Watts)	350 / 700	500 / 1000	1000 / 2000	1300 / 2600	1700 / 3400	1500 / 3000	2000 / 4000
Frequency Response	65Hz-18kHz	40Hz-20kHz	30Hz-20kHz	40Hz-18kHz	40Hz-20kHz	30Hz-500Hz	30Hz-200Hz
Impedance (Ω)	8	8	4	4	4	8	4
Sensitivity (1w @1m) dB	98	98	97	96	101	97.4	99
Max SPL (dB)	129	131	132	133	134	130	134
LF Driver Size	12" woofer with 4" voice coil	15" woofer with 4" voice coil	2 x 15" woofers with 4" voice coil			1 x 18" woofer with 4" voice coil	2 x 18" woofer with 4" voice coil
HF Driver Size	1" exit with 1.75" voice coil		2" exit with 3" voice coil			-	-
Input Connector	2 x Speakon	2 x Speakon	2 x Speakon				
Dimension (W x D x H) mm	379 x 376 x 631	450 x 408 x 690	450 x 530 x 1160			520 x 700 x 700	960 x 600 x 540
Net Weight (Kg)	23	32	57	64	62	55	59

Fire 92 High-Performance Passive Line Array System

Part of our Fire series, the Fire 92 is a high-performance dual 12" Line Array loudspeaker system optimized to deliver high-fidelity and wide coverage in live, touring, DJ, and installation applications.

Rear Panel
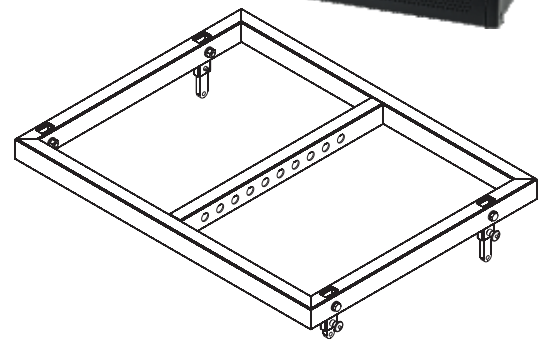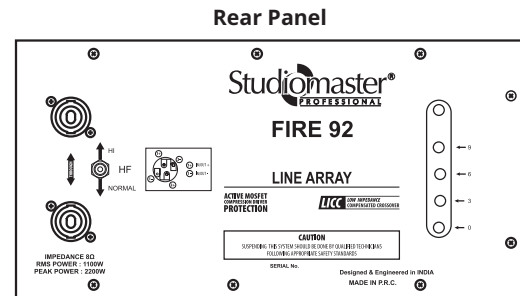
- High performance dual 12" LF and 1" HF transducers.
- **High Frequency attenuation for selection of throw.**
- Constant Curvature waveguide for unprecedented array coherence.
- Coverage Pattern: 120° x 9° nominal (horizontal x vertical), single unit.
- State-of-the-art crossover design for the highest audio efficiency, fidelity, and enhanced frequency response.
- Exceptional sound quality, powerful response, and a long throw.
- Professional-quality dual Speakon connectors for input connectivity and linking additional loudspeakers.
- High-endurance and durable cabinet design with a scratch-resistant paint finish built for the road.
- Ergonomically-shaped handles for easy transportation.
- Heavy-gauge perforated metal grille for optimal speaker protection.
- Fast, integral rigging system with variable splay angles.

System Consists of:
- Fire 92 Line array module
- Fly bar

Technical Specifications	Fire 92
Type	Line Array
Power Output - RMS / Peak (Watts)	1100 / 2200
Frequency Response	80Hz-18kHz
System Maximum SPL (dB)	133
Sensitivity (1w @ 1m)	98dB LF / 100dB HF
LF Driver Size	2 x 12" woofers with 4" inside/outside voice coil
HF Driver Size	2 x 2" exit with 1.75 voice coil
Nominal Impedance (Ω)	8
Horizontal Coverage Angle	120°
Vertical Coverage Angle	9°
Crossover Frequency	2200Hz
Input Connectors	2 x Speakon
Variable Splay Angles	0°, 3°, 6°, and 9°
Dimensions (W x D x H) mm	960 x 560 x 386
Net Weight Fire 92 (Kg)	60
Net Weight Fire 92 Fly Bar (Kg)	17

Studiomaster PROFESSIONAL

Elan Series Professional Loudspeakers

The Elan series is our range of multi-purpose professional loudspeakers designed to be a cost-effective solution for live music performances, touring, DJs and installation applications.

- High power handling and efficient loudspeaker systems for a remarkable performance.
- Overload protection circuitry ensures optimal HF driver protection.
- Professional-quality dual Speakon and ¼" jack connectors for input connectivity and linking additional loudspeakers.

- High-endurance and durable cabinet design with an abuse-resistant paint finish built for the road.
- Ergonomically-shaped handles for easy transportation.
- Heavy-gauge perforated metal grille for optimal speaker protection.

New!

Technical Specifications	Elan 151	Elan 155	Elan 181	Elan 182
Type	2-Way Monitor Speaker	2-Way Speaker	Subwoofer	Subwoofer
Power Output				
RMS / Peak (Watts)	700 / 1400	950 / 1900	800 / 1600	1200 / 2400
Frequency Response	40Hz-20kHz	40Hz-20kHz	40Hz-150Hz	33Hz-500Hz
Impedance (Ω)	8	4	8	8
Sensitivity (1w @1m) dB	98	98.1	98	98
Max SPL (dB)	128	126	126.5	132
LF Driver Size	1 x 15" woofer with 4" voice coil	2 x 15" woofers with 3" voice coil	1 x 18" woofer with 4" voice coil	1 x18" Woofer with 4" voice coil
HF Driver Size	1" exit with 2" voice coil	1" exit with 1.75" voice coil	-	-
Input Connector	2 x Speakon and 2 x ¼" jack			
Dimension (W x D x H) mm	595 x 465 x 720	495 x 465 x 1120	585 x 565 x 665	585 x 565 x 665
Net Weight (Kg)	36	46.5	46	48.5
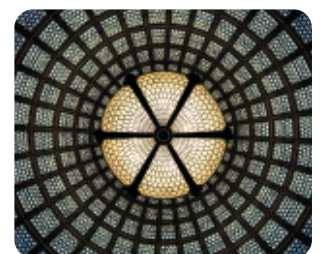
SLA 30 Compact Active Line Array System

The SLA 30 is a compact plastic enclosure active loudspeaker designed to bring line array performance benefits to a variety of small and medium scale applications.

Rear Panel
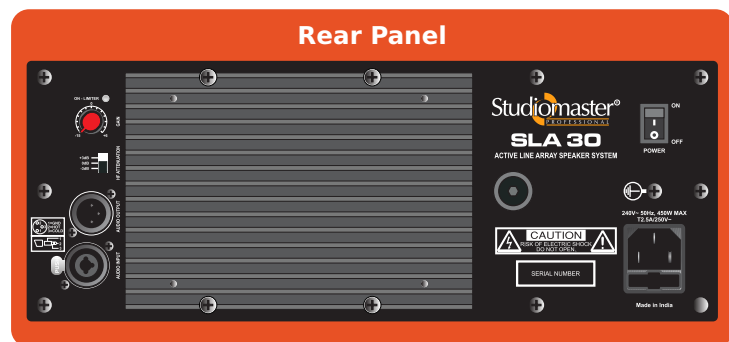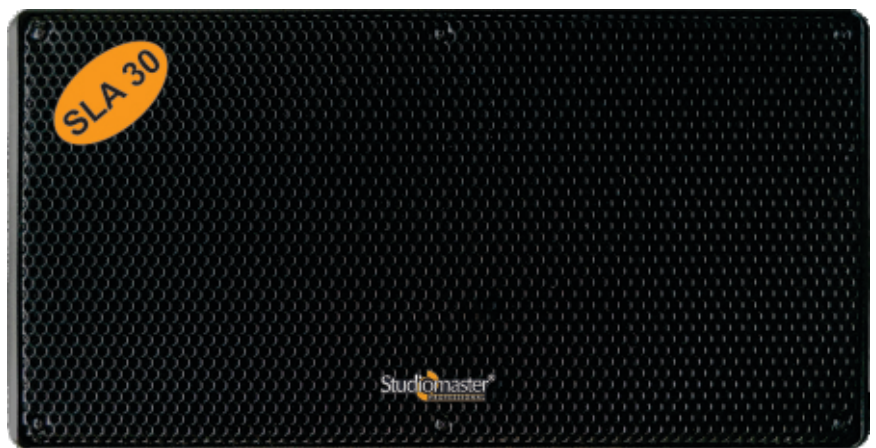
- Compact 2-way 250W (RMS) active Line Array loudspeaker.
- High-performance single 8" LF and dual 1.5" HF transducers.
- Built-in amplifier with limiter for optimized sonic performance.
- **HF level selection switch for adjusting tonal balance for different system configurations.**
- Coverage Pattern: 100° x 10° nominal (horizontal x vertical), single unit.
- Fast, integral rigging system.
- High-grade and durable Plastic cabinet design.
- Heavy-gauge perforated metal grille for optimal speaker protection.

Technical Specifications	SLA 30
Type	Line Array
Power Output - RMS / Peak (Watts)	250 / 500
Frequency Response	85Hz-19kHz
System Maximum SPL (dB)	123
Sensitivity (1w @ 1m)	96dB LF / 110dB HF
Horizontal Coverage Angle	100°
Vertical Coverage Angle	10°
LF Driver Size	1 x 8" woofer with 2.5" voice coil
HF Driver Size	2 x 1" exit with 1.35" voice coil
Input Connector	Combo XLR-Jack
Output Connector	XLR
Dimensions (W x D xH) mm	500 x 315 x 255
Net Weight SLA 30 (Kg)	15
Net Weight SLA 30 Fly Bar (Kg)	6

XVP Series Professional Carpet Finish Passive Loudspeakers

The XVP series is our comprehensive range of wooden enclosure speakers with a rugged carpet finish for budget-conscious users that are ideal for a plethora of sound reinforcement applications.

XVP 1540

XVP 1808   **XVP 2585 MK2**   **XVP 25A6**   **XVP 2820**

- Budget-conscious loudspeaker systems for outdoor and indoor applications.
- Durable wooden enclosures with a rugged black carpet finish.
- Professional-quality dual Speakon and ¼" jack connectors for input connectivity and linking additional loudspeakers.

- Trapezoidal-shaped enclosures for easy array and sonic accuracy.
- Ergonomically-shaped handles for easy transportation.
- Heavy-gauge perforated metal grille for optimal speaker protection.

Technical Specifications	XVP 1540	XVP 2550	XVP 2585-MK2	XVP 25A6
Type	2-Way Speaker	2-Way Speaker	2-Way Speaker	2-Way Speaker
Power Output RMS / Peak (Watts)	400 / 800	500 / 1000	900 / 1800	1600 / 3200
Frequency Response	40Hz-20kHz	40Hz-18kHz	40Hz-20kHz	45Hz-20kHz
Impedance (Ω)	8	4	4	4
Sensitivity (1w @1m) dB	96	98	98.1	98.5
Max SPL (dB)	123	131	126	130.5
LF Driver Size	1 x 15" woofer with 3" voice coil	2 x 15" woofers with 2.5" voice coil	2 x 15" woofer with 3" voice coil	2 x 15" woofers with 4" voice coil
HF Driver Size	1" exit with 1.75" voice coil			2" exit with 2" voice coil
Input Connector	2 x Speakon, 2 x ¼" jack	2 x Speakon	2 x Speakon, 2 x ¼" jack	2 x Speakon, 2 x ¼" jack
Dimension (W x D x H) mm	495 x 465 x 675	500 x 575 x 1160	495 x 465 x 1120	495 x 465 x 1200
Net Weight (Kg)	24.5	40	36	57

Technical Specifications	XVP 1808	XVP 1810	XVP 2820
Type	Subwoofer	Subwoofer	Subwoofer
Power Output RMS / Peak (Watts)	800 / 1600	1000 / 2000	2000 / 4000
Frequency Response	39Hz-150kHz	32Hz-150kHz	30Hz-300kHz
Impedance (Ω)	8	8	4
Sensitivity (1w @1m) dB	98	98.6	99
Max SPL (dB)	126.5	128.6	138
LF Driver Size	1 x 18" woofer with 4" voice coil	1 x 18" woofer with 4" voice coil	2 x 18" woofers with 4" voice coil
Input Connector	2 x Speakon, 2 x 1/4" jack	2 x Speakon	2 x Speakon
Dimension (W x D x H) mm	585 x 565 x 665	630 x 615 x 710	1090 x 730 x 670
Net Weight (Kg)	50	49.5	59.5

EKS 151 Professional Carpet Finish Passive Loudspeaker

- Professional loudspeaker systems for outdoor and indoor applications.
- Durable wooden enclosures with a rugged black carpet finish.
- High frequency boost switch.
- Professional-quality dual Speakon and ¼" jack connectors for input connectivity and linking additional loudspeakers.
- Trapezoidal-shaped enclosures for easy array and sonic accuracy.
- Ergonomically-shaped handles for easy transportation.
- Heavy-gauge perforated metal grille for optimal speaker protection.

Technical Specifications	EKS 151
Type	2-Way Speaker
Power Output - RMS / Peak (Watts)	350 / 700
Frequency Response	42Hz-20kHz
Impedance (Ω)	8
Sensitivity (1w @1m) dB	97.8
Max SPL (dB)	121.5
LF Driver Size	1 x 15" woofer with 2.5" voice coil
HF Driver Size	1" exit with 1.75 voice coil
Input Connector	2 x Speakon and 2 x ¼" jack
Dimension (W x D x H) mm	460 x 450 x 675
Net Weight (Kg)	28

Q 400 Plastic Moulded Cabinet Passive Loudspeaker

- High-performance 2-way passive speaker in a plastic moulded cabinet.
- Features a powerful 12" LF and 1" HF transducer for an impressive sound output.
- Professional-quality dual Speakon connectors for input connectivity and linking additional loudspeakers.
- Integrated stand mounting socket.
- Ergonomically-shaped handles for easy transportation.

Technical Specifications	Q 400
Type	2-Way Speaker
Power Output - RMS / Peak (Watts)	275 / 550
Frequency Response	60Hz-18kHz
Impedance (Ω)	8
Max SPL (dB)	125
LF Driver Size	1 x 12" woofer with 2" voice coil
HF Driver Size	1" exit with 1.35" voice coil
Input Connector	2 x Speakon
Dimension (W x D x H) mm	400 x 345 x 600
Net Weight (Kg)	14

Aria Series Plastic Moulded Cabinet Passive Loudspeakers

- High-performance 2-way passive speaker in a plastic moulded cabinet.
- Integral stand mounting socket.
- Professional-quality dual Speakon connectors for input connectivity and linking additional loudspeakers.

Aria 12 and Aria 15 can be used as a floor monitor with supplied stands.

Technical Specifications	Aria 8	Aria 12	Aria 15
Type	2-Way Speaker	2-Way Speaker	2-Way Speaker
Power Output - RMS / Peak (Watts)	120 / 240	250 / 500	400 / 800
Frequency Response	70Hz-18kHz	50Hz-20kHz	45Hz-18kHz
Impedance (Ω)	8	8	8
Sensitivity (1w @1m) dB	96	96	98
Max SPL (dB)	123	126	130
LF Driver Size	1 x 8" woofer with 1.5" voice coil	1 x 12" woofer with 2" voice coil	1 x 15" woofer with 3" voice coil
HF Driver Size	1" exit with 1.34" voice coil	1" exit with 1.75" voice coil	1" exit with 1.75" voice coil
Input Connector	2 x Speakon		
Dimension (W x D x H) mm	345 x 285 x 465	460 x 375 x 640	515 x 465 x 745
Net Weight (Kg)	9.5	15.5	24.5

Studiomaster® PROFESSIONAL

B Series Professional Active Loudspeakers

B400 V2
12" 275 WATTS

active speaker

NEW

The Best, Just Got Better!

Best Seller

New & Advanced Amp Module
- ☑ Amazing Sonic Performance.
- ☑ Driver Optimized Amplification.

2-Way Bi-Amp Design
- ☑ Maximum Efficiency.
- ☑ 12" LF & 1" HF.
- ☑ High 125dB Max SPL.

B 410 (additional features):

2 x switchable mic/line combo XLR-Jack inputs.

2-band equalizer.

USB / SD card Mp3 media player onboard with transport control and IR remote control.

Bluetooth

Built-in Bluetooth wireless streaming from smartphones, tablets and laptops.

- ■ High-quality **2-way Bi-Amplified design** active loudspeakers in a plastic moulded enclosure.
- ■ Professional-grade XLR and ¼" jack connectors for input connectivity and linking additional loudspeakers.
- ■ Switchable mic/line input sensitivity option.
- ■ Integrated stand mounting socket.
- ■ Built-in soft clip limiter for speaker protection.
- ■ Ergonomically-shaped handles for easy transportation.

Technical Specifications	B 200	B 400V2	B 410
Type	Active Speaker	Active Speaker	Active Speaker
Power Output - RMS / Peak (Watts)	160 / 320	275 / 550	275 / 550
Frequency Response	65Hz-18kHz	60Hz-18kHz	60Hz-18kHz
Max SPL (dB)	118	125	125
LF Driver Size	1 x 12" woofer	1 x 12" woofer with 2" voice coil	1 x 12" woofer with 2" voice coil
HF Driver Size	1" exit	1" exit with 1.35" voice coil	1" exit with 1.35" voice coil
Input Connector	XLR / Jack	XLR / Jack	2 x Combo XLR-Jack
Output Connector	Jack	Jack	XLR
Dimension (W x D x H) mm	400 x 345 x 600	400 x 345 x 600	400 x 345 x 600
Net Weight (Kg)	14.5	16.5	16.5

Studiomaster PROFESSIONAL

Clio 154 Professional Active Loudspeaker

New!

The Studiomaster Professional Clio 154 is a high-performance 2-way bi-amplified 400W (RMS) active loudspeaker. Integrating a class D amplifier, DSP sound presets, USB/SD MP3 player and Bluetooth and multiple inputs, the loudspeaker is ideal for a variety of install and touring applications.

Perform with Pride!
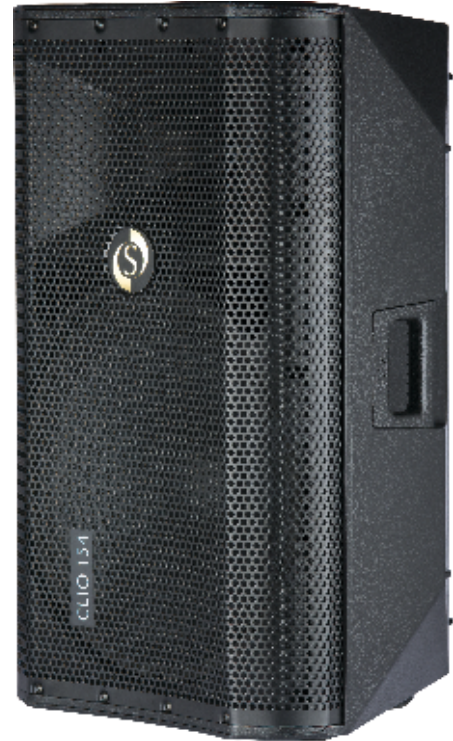
- • 15" LF + 1" HF
- • 2-way Bi-Amplified Design
- • Class D Amplifier
- • 400W (RMS)

DSP
- • Digital Signal Processing
- • Flat   • Speech   • Music   • Live   • Club

Media Player
- • USB/SD MP3 player and Bluetooth®
- Bluetooth

- • 2 x Combo XLR-Jack Mic/Line Inputs
- • 1 x Stereo RCA Input
- • XLR Mix Out for Linking

- High-performance 2-way bi-amplified 400W (RMS) active loudspeaker.
- Driven by an efficient class D amplifier.
- Easy DSP sound presets (flat / speech / music / live / club).
- Integrates a 15" LF and 1" HF to deliver high SPL and a wide dispersion area.
- USB/SD MP3 player and Bluetooth.
- Inputs: 1 x Stereo RCA, 1 x XLR-Jack (line) & 1 x switchable XLR-Jack (mic/line).
- XLR mix out for linking additional speakers.
- Built-in soft clip limiter for speaker protection.
- Integrated stand mounting socket
- Ergonomically-shaped handles for easy transportation.
- Durable plastic moulded enclosure with a wood grain finish.

Technical Specifications	Clio 154
Type	Active Speaker
Power Output - (RMS / Peak) Watts	400 / 800
Amplifier Type	Class D DSP
Frequency Response	40Hz-20kHz ±3dB
Max SPL (dB)	97dB
LF Driver Size	1 x 15" woofer with 3" voice coil
HF Driver Size	1" exit with 1.75" with voice coil
Input Connector	Combo XLR
Output Connector	Balanced XLR (M)
Dimension (W x D x H) mm	435 x 375 x 715
Net Weight (Kg)	21

Studiomaster PROFESSIONAL

H Series High Performance Active Loudspeakers

H 510 Back Panel

H 510 (additional features):
- 2 switchable mic/line combo XLR-Jack inputs.
- 2-band equalizer.
- USB / SD card MP3 media player onboard with transport control and IR remote control.
- Built-in Bluetooth wireless streaming from smartphones, tablets, and laptops.

- High-quality 2-way Bi-Amplified design active loudspeakers in a plastic moulded enclosure.
- Professional-grade XLR and ¼" jack connectors for input connectivity and linking additional loudspeakers.
- Switchable mic/line input sensitivity option.
- Integrated stand mounting socket.
- Built-in soft clip limiter for speaker protection.
- Ergonomically-shaped handles for easy transportation.

Technical Specifications	H 400	H 510 New!
Type	Active Speaker	Active Speaker
Power Output - RMS / Peak (Watts)	250 / 500	400 / 800
Frequency Response	60Hz-18kHz	50Hz-20kHz
Max SPL (dB)	125	130
LF Driver Size	1 x 15" woofer with 2.5" voice coil	15" woofer with 3" voice coil
HF Driver Size	1" exit with 1.35" voice coil	1" exit with 1.4" voice coil
Input Connector	XLR / Jack	2 x Combo XLR-Jack
Output Connector	Jack	XLR
Dimension (W x D x H) mm	440 x 320 x 700	440 x 320 x 700
Net Weight (Kg)	18	20.5

A Series High Performance Active Loudspeakers

- High-quality **2-way Bi-Amplified design** active loudspeakers in a plastic moulded enclosure.
- Professional-grade XLR and ¼" jack connectors for input connectivity & linking additional loudspeakers.
- Switchable mic/line input sensitivity option.
- 2 x switchable mic/line combo XLR-Jack inputs with 2-band EQ.
- **USB / SD card MP3 media player onboard with transport control & IR remote control.**
- **Built-in Bluetooth wireless streaming from smartphones, tablets, and laptops.**
- Integrated stand mounting socket.

Technical Specifications	A 400	A 500
Type	Active Speaker	
Power Output - RMS / Peak	275 / 550 Watts	400 / 800 Watts
Frequency Response	60Hz-18kHz	50Hz-20kHz
Max SPL (dB)	125	130
LF Driver Size	1 x 12" woofer with 2" voice coil	1 x 15" woofer with 3" voice coil
HF Driver Size	1" exit with 1.35" with voice coil	
Input Connector	2 x Combo XLR-Jack	
Output Connector	XLR	
Dimension (W x D x H) mm	375 x 295 x 575	450 x 350 x 695
Net Weight (Kg)	16.5	21.5

- Built-in soft clip limiter for speaker protection.
- Ergonomically-shaped handles for easy transportation.

Fire 51A High Performance Active Loudspeaker

- High-quality **2-way Bi-Amplified design** active loudspeakers in a wooden moulded enclosure.
- Driven by P-Series amplifier technology.
- 3-band Equalizer.
- 2 switchable combo XLR-Jack mic/line inputs.
- LIndividual XLR and ¼" jack output for linking.

Technical Specifications	Fire 51A
Type	2-Way Active Speaker
Power Output - RMS / Peak (Watts)	500 / 1000
Frequency Response	50Hz-20kHz
Impedance (Ω)	-
Sensitivity (1w @1m) dB	98
Max SPL (dB)	130
LF Driver Size	15" woofer with 4" voice coil
HF Driver Size	1" exit with 1.75" voice coil
Input Connector	Combo XLR / Jack
Dimension (W x D x H) mm	450 x 408 x 690
Net Weight (Kg)	36

OP Series Premium Active Loudspeakers

- Premium-grade **2-way Bi-Amplified design** active loudspeakers in a plastic moulded enclosure.
- Professional-grade XLR and ¼" jack connectors for input connectivity and linking additional loudspeakers.
- Integrated stand mounting socket.
- Built-in soft clip limiter for speaker protection.
- Ergonomically-shaped handles for easy transportation.
- Switchable mic/line input sensitivity option.

OP 515 (additional features):
- 2 switchable mic/line combo XLR-Jack inputs.
- 3-band equalizer.

**OP 515
Rear Panel**

Technical Specifications	OP 415	OP 515
Type	Active Speaker	Active Speaker
Power Output - RMS / Peak	275 / 550 Watts	400 / 800 Watts
Frequency Response	50Hz-20kHz	50Hz-20kHz
Max SPL (dB)	127	130
LF Driver Size	1 x 15" woofer with 2.6" voice coil	1 x 15" woofer with 3" voice coil
HF Driver Size	1" exit with 1.4" voice coil	
Input Connector	Combo XLR-Jack	2 x Combo XLR-Jack
Output Connector	XLR	
Dimension (W x D x H) mm	440 x 320 x 700	
Net Weight (Kg)	20	21

SUB Series Multi-Port Active Subwoofers

- Ultra-compact active subwoofer with high excursion LF drivers.
- Powered by a high-efficiency and **powerful class H amplifier.**
- 2 switchable mic/line combo XLR-Jack inputs.
- **3 sub crossover frequency selections: 80Hz - 100Hz - 120Hz (24dB/oct).**
- 2 XLR **X-Over output for mid-hi top/speaker** connection.
- 2 XLR Parallel output to connect/link more subwoofers.
- Built-in soft clip limiter for speaker protection.
- Ergonomically-shaped handles for easy transportation.
- Integrated stand mounting socket.

Back Panel

Technical Specifications	12 SUB	15 SUB
Type	Active Subwoofer	Active Subwoofer
Power Output - RMS / Peak (Watts)	400 / 800	800 / 1600
Frequency Response	40Hz-150Hz	40Hz-120Hz
Max SPL (dB)	127	133
LF Driver Size	1 x 12" woofer with 2.5" voice coil	1 x 15" woofer with 3" voice coil
Input Connector	2 x Combo XLR-Jack	2 x Combo XLR-Jack
Output Connector	2 x XLR Parallel, 2 x XLR X-Over	2 x XLR Parallel, 2 x XLR X-Over
Dimension (W x D x H) mm	360 x 530 x 520	430 x 600 x 600
Net Weight (Kg)	19	32

Studiomaster PROFESSIONAL

Muse 61 Portable PA Active Speaker

New!

The Studiomaster Professional Muse 61 is a versatile portable loudspeaker that features a built-in rechargeable battery, a wireless handheld microphone and a media player-cum-recorder with Bluetooth ideal for a variety mobile PA and personal sound reinforcement applications.

Sound on the move!

Sing-along

15W Power Output

Wireless MIC Supplied!

Rechargeable Battery

USB / SD / MP3 / Bluetooth / Playback / REC
Media Player, Recorder

TWS — **True Wireless Stereo Pairing**

Muse 61

2 x ¼" MIC Input	3.5mm EP Aux In	MIC/VOX Priority	Echo EFX	Built-in Recorder	2200mAh Battery	9V DC Charging Adapter	12V Car Batt. Operation

- Features a 6.5" LF Driver & a 1.5" Tweeter.
- Ships with 1 Wireless Handheld Microphone.
- USB, SD/MMC Media Player, Recorder & Bluetooth.
- True Wireless Stereo (TWS) for Pairing Two Units.
- Wireless IR Remote Control.
- Inputs: 2 x 6.35mm (¼") Mic & 1 x 3.5mm EP Aux.
- MIC/VOX Priority Feature.
- Sing-along Feature for Karaoke on Bluetooth, USB & SD/MMC Media Player.

- Echo/Delay EFX on MIC Inputs with Level Control.
- Individual Volume Controls for MIC & Aux/Media Player Inputs.
- 2-Band (Bass/Treble) EQ on Aux/Media Player Input.
- Built-in Rechargeable 2200mAh 7.4V Lithium Battery.
- Long Lasting 3 Hours Battery Life.
- LED Lights with On/Off Switch.
- Easy Carry Handle with Extra Detachable Sling Belt.
- Sturdy PP+ABS Cabinet for Outdoor Use.

Accessories Included:

AUX

Studiomaster
PROFESSIONAL
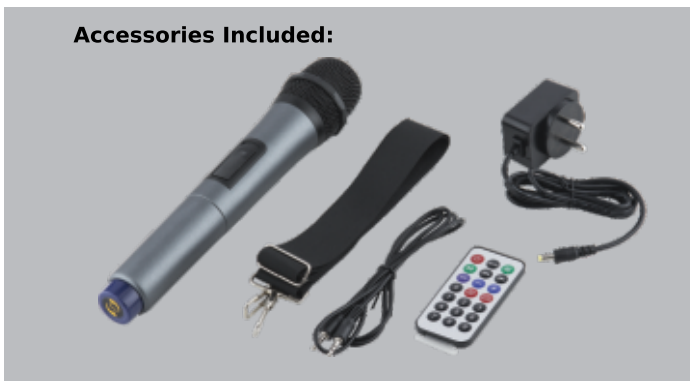
S Series High Performance Transducers

The S-Series is our most comprehensive range of high-performance transducers designed to deliver powerful sound reproduction, suit a wide variety of enclosure designs, and perform reliably for years without losing their sonic qualities.

- High-quality transducers with excellent sensitivity and excursion capabilities.
- Assembled using high-quality Ferrite magnets, tightly-wound voice coils, and responsive paper cones.
- Ventilated voice coil gap to reduce power compression, improve conversion efficiency, and superior cooling.
- **Heavy-duty die-cast frame** with a wide flange for increased rigidity.
- Engineered to suit a wide variety of enclosure designs to deliver high power, clarity, and punch.

Aluminium Die-cast Basket

New!

Technical Specifications	SWF 18140	SWF 18120	SWF 18100	SWF 1880	SWF 1560	SMB 1565	SMB 1545
Type	Subwoofer	Subwoofer	Subwoofer	Subwoofer	Woofer	Mid-Bass	Mid-Bass
Power Output RMS / Peak (Watts)	1400 / 2800	1200 / 2400	1000 / 2000	800 / 1600	600 / 1200	650 / 1300	450 / 900
Frequency Response	40Hz-18kHz	30Hz-2kHz	30Hz-2kHz	30Hz-2kHz	40Hz-3.5kHz	40Hz-5kHz	40Hz-3.5kHz
Impedance (Ω)	8	8	8	8	8	8	8
Sensitivity (1w @1m) dB	97	97	97	97	97	98.5	97
Nominal Diameter (mm / inch)	460 / 18	460 / 18	460 / 18	460 / 18	380 / 15	380 / 15	380 / 15
Voice Coil Diameter (mm / inch)	127 / 5	127.6 / 5	100 / 4	100 / 4	100 / 4	100 / 4	100 / 4
Voice Coil Material	Copper	Copper	Copper	Copper	Copper	Copper	Copper
Kind of Layer	Inside/Outside	Inside/Outside	Inside/Outside	Inside/Outside	Outside	Inside/Outside	Outside
Net Weight (Kg)	19.3	20.2	12.5	11.2	11.3	11.2	10.6

Technical Specifications	SMB 1530	SMB 1250	SMB 1230	SMB 1220	SHF 0210	SHF 0106	SHF 0104
Type	Mid-Bass	Mid-Bass	Mid-Bass	Mid-Bass	HF	HF	HF
Power Output RMS / Peak (Watts)	300/600	500 / 1000	300/600	200/400	100/200	60/120	40/80
Frequency Response	40Hz-3.5kHz	55Hz-3.5kHz	45Hz-4kHz	50Hz-5.5kHz	500Hz-18kHz	1.2kHz-20kHz	1.2kHz-20kHz
Impedance (Ω)	8	8	8	8	8	8	8
Sensitivity (1w @1m) dB	96.5	98	96	97	110	107	107
Nominal Diameter (mm / inch)	380 / 15	300 / 12	300 / 12	300 / 12	50 / 2 Exit	25.4 / 1 Exit	25.4 / 1 Exit
Voice Coil Diameter (mm / inch)	75.5 / 3	100 / 4	100 / 4	50.5 / 2	72.2 / 2.84 (Exit)	44.4 / 1.75 (Exit)	44.4 / 1.75 (Exit)
Voice Coil Material	Copper	Copper	Copper	Copper	Titanium	Titanium	Titanium
Kind of Layer	Outside	Inside/Outside	Outside	Outside	-	-	-
Net Weight (Kg)	7	9.5	9.5	5.2	5.4	1.4	1.5

Studiomaster PROFESSIONAL

Titan Series Premium Transducers

The Titan series is our flagship range of premium-quality transducers designed for excellent sound reproduction, and suit a wide variety of enclosure designs to deliver stellar performance for years without losing their sonic qualities.

- Premium transducers with excellent sensitivity and excursion capabilities.
- Assembled using top-of-the-line Ferrite magnets, tightly-wound voice coils, and responsive paper cones.
- Ventilated voice coil gap to reduce power compression, improve conversion efficiency, and superior cooling.
- **Heavy-duty die-cast frame** with a wide flange for increased rigidity.
- Engineered to suit a wide variety of enclosure designs to deliver superior power, clarity, and punch.

Technical Specifications	TWF 2115	TWF 1815	TWF 1810	TWF 1580	TMB 1570	TMB 1555	TMB 1535	THF 0208
Type	Subwoofer	Subwoofer	Subwoofer	Woofer	Mid-Bass	Mid-Bass	Mid-Bass	HF
Power Output RMS / Peak (Watts)	1500 / 3000	1500 / 3000	1000 / 2000	800 / 1600	700 / 1400	550 / 1100	350 / 700	80 / 160
Frequency Response	33Hz-2kHz	30Hz-2kHz	33Hz-3kHz	45Hz-3kHz	40Hz-3kHz	49Hz-3kHz	41Hz-4kHz	1kHz-20kHz
Impedance (Ω)	8	8	8	8	8	8	8	8
Sensitivity (1w @1m) dB	98	97.8	98	98.2	97.5	97.6	98	106
Nominal Diameter (mm / inch)	540 / 21	460 / 18	460 / 18	380 / 15	385 / 15	380 / 15	380 / 15	25.4 / 1
Voice Coil Diameter (mm / inch)	127.6 / 5	127.6 / 5	100 / 4	100 / 4	100 / 4	100 / 4	76.5 / 3	25.4 / 1 (Exit)
Voice Coil Material	Copper				CCAW			Titanium
Kind of Layer	Inside/Outside							-
Basket	Die-cast							-
Net Weight (Kg)	22	20	11	12	10	10.5	7.5	2.83

New!

E-Series Professional Transducers

The E series is our range of components designed for budget-conscious users who refuse to sacrifice sound quality, value, and reliability. Sporting a robust steel frame, CCAW voice coils, and responsive paper cones, the transducers are ideal for professional sound reinforcement system especially in live applications.

Robust Steel frame!

Technical Specifications	EMB 1530	EMB 1225	EMB 1235
Type	Mid-Bass	Mid-Bass	Mid-Bass
Power Output - RMS / Peak (Watts)	300 / 600	250 / 500	350 / 700
Frequency Response	40Hz-4kHz	50Hz-5kHz	45Hz-5kHz
Impedance (Ω)	8	8	8
Sensitivity (1w @1m) dB	97	97	99
Nominal Diameter (mm / inch)	380 / 15	300 / 12	310 / 12
Voice Coil Diameter (mm / inch)	75.5 / 3	60.6 / 2.38	75.5 / 3
Voice Coil Material	CCAW	CCAW	CCAW
Kind of Layer	Outside	Outside	Outside
Basket	Steel	Steel	Steel
Net Weight (Kg)	6.5	3.8	5.8

Fury Series High Performance Transducers

The Fury series is our range of high-performance transducers designed to deliver great sensitivity and excursion capabilities. Striking a right balance between a powerful sonic performance and affordability, the Fury series is set to be all the rage in loudspeaker design.

- High-performance transducers with amazing sensitivity and excursion capabilities.
- Assembled using high-quality Ferrite magnets, tightly-wound voice coils, and responsive paper cones.
- Ventilated voice coil gap to reduce power compression, improve conversion efficiency, and optimum cooling.
- **Heavy-duty die-cast frame** with a wide flange for increased rigidity.
- Engineered to suit a wide variety of enclosure designs to deliver high power, clarity, and punch.

Technical Specifications	F18.120	F15.70	F15.40
Type	Subwoofer	Mid-Bass	Mid-Bass
Power Output - RMS / Peak (Watts)	1200 / 2400	700 / 1400	400 / 800
Frequency Response	33Hz-3.5kHz	42Hz-4kHz	40Hz-5kHz
Impedance (Ω)	8	8	8
Sensitivity (1w @1m) dB	98	97	97
Nominal Diameter (mm / inch)	460 / 18	380 / 15	380 / 15
Voice Coil Diameter (mm / inch)	100 / 4	100 / 4	78.6 / 3
Voice Coil Material	Copper	CCAW	CCAW
Kind of Layer	Inside/Outside		
Basket	Die-cast		
Net Weight (Kg)	10.3	7.4	6.2

Technical Specifications	F15.50X	F15.40X	F12.30X
Type	Mid-Bass (Dual cone)	Mid-Bass (Dual cone)	Mid-Bass (Dual cone)
Power Output - RMS / Peak (Watts)	500 / 1000	400 / 800	300 / 600
Frequency Response	40Hz-13kHz	40Hz-11kHz	50Hz-15kHz
Impedance (Ω)	8	8	8
Sensitivity (1w @1m) dB	98	97.5	96
Nominal Diameter (mm / inch)	380 / 15	380 / 15	300 / 12
Voice Coil Diameter (mm / inch)	76.5 / 3	78.6 / 3	60.6 / 2.38
Voice Coil Material	CCAW		
Kind of Layer	Inside/Outside		
Basket	Die-cast		
Net Weight (Kg)	8	6.2	4.5

Passive Crossovers
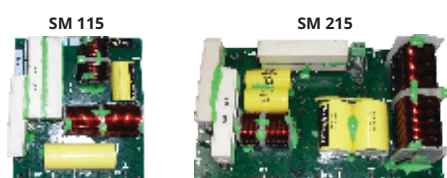
SM 115   SM 215

Technical Specifications	SM 215H	SM 215	SM 115H	SM 115
Type	Two-Way	Two-Way	Two-Way	Two-Way
Power Handling	1300 Watt	940 Watt	700 Watt	490 Watt
Crossover Frequency	1800 Hz	1800 Hz	1200 Hz	1800 Hz
Nominal Impedance	4 Ω	4 Ω	8 Ω	8 Ω

Studiomaster PROFESSIONAL

Vāk 10 Professional Conference System

The multi-functional Vāk 10 Conference System integrates sophisticated state-of-the-art Digital Signal Processing technology with high-quality hardware to bring you the most unique, simple and user-friendly conference system currently available. Designed to be versatile, the Vāk 10 system facilitates smooth discussions in meeting spaces in educational institutions, corporates, councils halls, legislative assemblies, and much more.

Vāk 10.s Controller

- Highly-flexible and customizable system supporting 4 Chairman and 160 Delegate Units.
- **4 Channels - Each channel supports 40 delegate units (total 160 units) and up to 4 chairman units.**
- **NOM (Number of Open Microphones) - Supports up to 8 active delegate units.**
- NOM-based gain adjustment.

- Intelligent algorithm and DSP audio processing system.
- Fully-automatic, no operator required.
- User-friendly interface with LCD display.
- Balanced XLR and ¼" jack master output.
- AUX and line output for recording or monitoring.
- Output signal level controls.
- 19" 2U design for easy rack mounting.

Ultra Functional Operating Modes

Manual Mode: In this mode, all controls are manually operable subject to the NOM set. The maximum NOM in this system is 8. This feature helps to regulate meetings easily.

FIFO and LIFO: FIFO (First In First Out) and LIFO (Last In First Out) are ultra-flexible and adjustable modes in which the participant enters or exits a discussion.

Automatic Fixed Time Mode: In this mode, each person gets an allotted time to speak and is muted when the allotted time is completed. This mode is ideal for voting-based applications.

Fully Voice Operated Mode /Hands-Free Mode: This mode is fully automatic and is activated by voice; hence no hands are required to participate.

Vāk 10.c / Vāk 10.d Chairman & Delegate Unit

- Detachable and flexible gooseneck microphone.
- LED indicator on the microphone to indicate 'Mic Active' status.
- On/Off Talk switch.

- High-quality Panasonic® microphone capsule ensures good voice reproduction.
- Built-in speaker with level control.
- 2 separate headphone outputs.
- Priority switch to override all delegate units on the Vāk 10.c
- Unique interrupt mode*.

* In any discussion mode when the priority switch on the chairman unit is pressed, it merely interrupts the discussion temporarily. The active delegate units resume their prior status once the chairman releases the priority switch.

Technical Specifications	Vāk 10.s	Technical Specifications	Vāk 10.c & Vāk 10.d
Frequency Response	100Hz-14.5kHz	Frequency Response	100Hz-10kHz
Signal to Noise Ratio	81dB	Signal to Noise Ratio	70dB
Connector for Delegate/Chairman unit	8P-DIN x 4	Connection	Round 8P-DIN x 2 M
Audio Output	RCA x 2, ¼" Jack x 1, XLR x 1	Sensitivity	-50dB/Pa
Audio Input/Output (TEL)	RCA x 2	Length of Cable	2.1m
Dimension (W x D x H) mm	483 x 323 x 90	Dimension (W x D x H) mm	160 x 175 x 65 / Mic: 533 (L)

Vāk 20 Automatic Conference Mixer

Vāk 20 is our unique dedicated conference automatic mixer that allows connectivity via any standard microphone. Loaded with a host of essential features, the Vāk 20 delivers an intuitive auto-mixing experience in boardrooms, conference rooms, and other meeting applications.

Inputs
Allows any standard microphone to be connected in conference mode.

NOM
NOM (Number of Open Mics) based gain attenuation.

Infinite Linking
Link as many VāK 20 units as required using standard CAT5 cables and RJ45 connectors.

Input Section
- 8 mic/line channels with combo XLR-Jack input connectors.
- Delegate or Chairman mode selectable on each channel.
- Mic/line switchable per channel.
- Switchable +48V phantom supply on each channel.
- Signal clip indicator and active LED on each channel.

Control Section
- **NOM (Number of Open Microphones) - Supports up to 6 active microphones.**
- Logic out to control cameras/speakers.

Output Section
- Balanced XLR output.
- Limiter switch on the output.

Master Section
- Noisy, Normal, Quiet settings for ambient noise compensation.
- LF / HF cut switches.

Technical Specifications	Vāk 20
Input Impedance (Mic / Line)	4K Ω / 30K Ω
Output Impedance	200 Ω
Nominal Input Level (Mic / Line)	-61dBu / 17dBu
Nominal Output Level	0 dBu
Frequency Response	20Hz-20kHz @ -3dB
Selectable Filter	LF Cut @ 50Hz / HF Cut @ 8kHz
Microphone Phantom	+48 V DC
Power Supply	240V AC, 100mA, max
Dimensions (W x D x H) mm	482 x 152 x 44 (1U)
Net Weight (Kg)	2.5

Suggested Vāk 20 Conference setups

Wireless System — * XR 100 4C

Wired (Using Gooseneck Mics) — * Flex 4 Set

Multi Mic — * Multi Microphones

* To Be Purchased Separately.

Vāk 30 Wireless Conference System

The Vāk 30 is our high-quality, versatile, and economical wireless conference system with ultra-functional operating modes that brings order and convenience to small and mid-sized gatherings, conferences, and other meeting scenarios. Designed for plug-and-play installation, the Vāk 30 is the quickest way to empower a wireless conferencing experience in fixed and mobile applications.

Vāk 30.s Main Controller

- Professional wireless conference system with two operating modes: Chairman and FIFO.
- Highly-flexible and customizable system supporting up to 50 units.
- NOM (Number of Open Microphones) - Supports upto 3 active units.
- 20 UHF channels

- Built-in MP3 recorder with sequential file saving and storage.
- Operating distance of up to 100 ft (line of sight).
- Balanced XLR and ¼" jack audio output.
- User-friendly interface with LCD display.
- Easy-to-use, no operator required.
- Quick plug-and-play installation.

Ultra Functional Operating Modes

Chairman Mode: In this mode, only the chairman can communicate. All other delegates are muted.

FIFO Mode: It is the order in which the participants enter the discussion and the order in which they are switched OFF. When a new 'Speak' request comes in, the first entered MIC shuts off or is muted.

Record Meetings On-the-Go!

The Vāk 30 system features a built-in USB MP3 recorder to capture the proceedings of the meeting. The files are saved in a sequential order on to external flash-based storage devices (pen/thumb drives).

Now say goodbye to taking minutes of the meeting and focus only on the discussion!

Vāk 30.c Chairman & Vāk 30.d Delegate Units

- Detachable and flexible 21", 2-bend gooseneck microphone with base.
- LED indicator ring on the microphone to indicate 'Mic Active' status.
- Illuminated ON/OFF talk switch.
- **Power up the delegate and chairman units using either batteries or the supplied adaptor.**

- High-quality microphone capsule ensures great voice reproduction.
- LED screen displays ON/OFF status, battery level, connected MIC number, selected channel number and unit ID.
- Priority switch on the chairman unit to override all delegates during a discussion.
- Fully wireless for flexibility in fixed and mobile applications.

Vāk 30.s (Main Controller)	
Frequency Response	45Hz-18kHz ± 3dB
Signal to Noise Ratio	>105dB
Operation Distance	60m
Output Connector	1 XLR and ¼" Jack
Power Supply	DC 12V
Dimension (W x D x H) mm	482 x 225 x 44
Net Weight (Kg)	2.4

Vāk 30.c (Chairman) and Vāk 30.d (Delegate)	
RF Power Output	15mW
Bandwidth	30MHz
Power Supply	2 x 1.5V AA Alkaline Batteries or 12V DC
Length of MIC Tube	21" / 533mm (2 Bends)
Dimension (W x D x H) mm	170 x 120 x 44 (Microphone Base)
Net Weight (Kg)	1

Studiomaster PROFESSIONAL

DJA 100 and DJA 550 4 Input Amplifiers

- **4 high-quality RCA inputs with input selectivity.**
- Separate level controls for L and R outputs.
- 2-band EQ for the master output.

- Speaker output via push terminals and ¼" mono jack sockets.
- Separate RCA line out.
- Clip, protect, and power LED indicators.

Technical Specifications		DJA 100	DJA 550
Power Output (RMS)	4 Ω	2 x 110 W	2 x 250 W
	8 Ω	2 x 80 W	2 x 130 W
Frequency Response		20Hz-20kHz (±3dB)	
Damping Factor (8 Ω)		> 100:1	
Protection		Short Circuit, Overheating	
Input Connector (Per Ch)		RCA (4 input selector switches)	
Output Connector (Per Ch)		Spring loaded terminals, 1/4" TRS jack	
Dimensions (W x D x H) mm		482 x 285 x 44 (1U)	482 x 330 x 88 (2U)
Net Weight (Kg)		7.2	10.5

ZONE 66 Zonal Paging System

7 Inputs 6 Outputs

- 6 mic/line inputs switchable to 6 outputs with independent gain control, 2-band EQ, level control and clip LED.
- One stereo channel with 4-way input selector gain control, 2-band EQ, level control and clip LED.
- Matrix assignment: each input channel can be assigned to any combination of all output(s).
- Microphone input features low-noise preamplifier and +48V phantom power selection switch.
- 6 mono outputs with level controls and 6-digit LED level meter.

Technical Specifications	Zone 66
Input Gain (Mic / Line)	+12 to + 60dB
Output Level	+6dB
Frequency Response	20Hz-20kHz
Signal to Noise Ratio Mic / Line	Better than -75dB / Better than -85dB
THD (Mic / Line)	< 1% / <0.05%
Tone Control - Bass / Treble	±12dB @ 100Hz / ±12dB @ 10kHz
Input Connectors	6 x Line (stereo RCA), 6 x Mic (XLR) and 4 x Aux (stereo RCA)
Output Connectors	6 x XLR (balanced) and RCA (unbalanced)
Dimensions (W x D x H) mm	483 x 172.5 x 133 (3U)
Net Weight (Kg)	4.8

Studiomaster PROFESSIONAL

ARC Series Installation Amplifiers

The Studiomaster Professional ARC series installation amplifiers offer versatile features and outstanding value for general public address and installed sound applications such as schools, offices, restaurants, shops, factories, houses of worship, and large meeting rooms.

For use with either 70V / 100V or 4Ω / 8Ω / 16Ω output!

4 Balanced Mic/Line Inputs (Combo jacks)

3 Balanced Mic/Line Inputs (Combo jacks) + 1Mic / USB + Bluetooth

High quality Media player on board with Bluetooth.

* Only on UB Models.
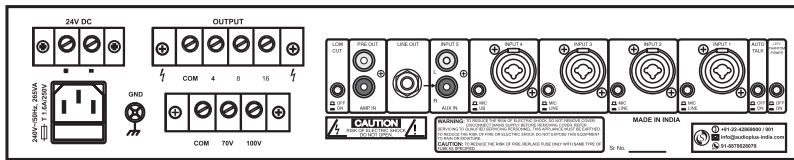
Common Features

- Professional 19" rack mounted amplifier/mixer.
- 1 Auxiliary (stereo summing) input.
- Bass/Treble and Master controls on the front panel.
- Switchable phantom power for CH 1 mic input.
- Low cut switch on the rear panel.
- 24V DC operation.

- **Vox Priority on channel 1 overrides all other input signals when activated.**
- LED indicators for power on, signal and clip.
- Pre out and Amp in (Send/Return) to connect external EFX processors.
- Auxiliary line out to connect to a booster amplifier.

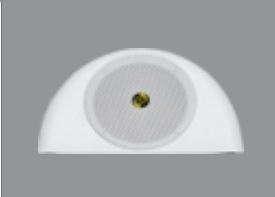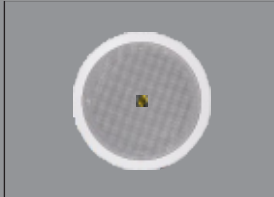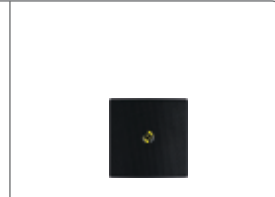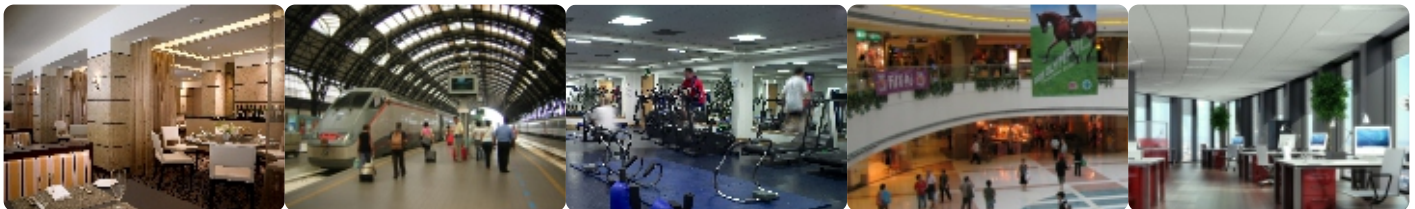| Technical Specifications		ARC 120A	ARC 120UB	ARC 240A	ARC 240UB
Power Output	10% THD	160W RMS		325W RMS	
	5% THD	150W RMS		300W RMS	
	1% THD	120W RMS		240W RMS	
	Max	200W		400W	
Inputs		4 Mic/Line	3 Mic/Line + 1 Mic/USB + Bluetooth	4 Mic/Line	3 Mic/Line + 1 Mic/USB + Bluetooth
Output Connectivity		min 4 Ω, 8 Ω, 16 Ω, 70V, 100V			
Line Out		1V/600 Ω			
Pre Out		1V/600 Ω			
Input 1–4		Mic 1.5 mV/1.5kΩ switchable to Line 300mV/14kΩ; XLR, balanced			
Aux		300mV/50kΩ; RCA, unbalanced			
Frequency Response		80Hz-15kHz, ±3dB			
Sound to Noise Ratio		> 75dB			
Tone control					
Bass		+6dB/-10dB @ 100Hz			
Treble		±10dB @ 10kHz			
External DC Supply		24V/9A		24V/12A	
Dimensions (W x D x H) mm		482 x 305 x 95 (2U)		482 x 320 x 95 (2U)	
Net Weight (Kg)		10.6		11.7	

ARC Series Architectural Speakers

The Arc series range of installation speakers have been designed for every architectural, aesthetic, structural, and performance requirement. The series is housed in compact forms that fit into tight spaces, corners and all the variables that contractors can throw at you!

Now boldly offer solutions to cover the most demanding architectural requirement!

For use with either 70V / 100V or 8Ω / 16Ω output!

Most Arc speakers come with a voltage tap switch and are supplied with appropriate mounting brackets.

Technical Specifications	ARC 06	ARC 07	ARC 20	ARC 22
Type	Ceiling Mount	Ceiling Mount	Wall Mount	Wall Mount
Speaker Units	5" woofer	6" woofer	3" woofer and 1" tweeter	4" coaxial
Rated Power	6W	6W	20W	20W
Power Tap Selection	6W / 3W	6W / 3W	20W / 10W / 5W / 2.5W, 8Ω	10W / 20W / 16Ω
Frequency Range	125Hz-16kHz	100Hz-15kHz	90Hz-20kHz	95Hz-20kHz
Input Voltage (Max)	100V	100V	100V	100V
Sensitivity	91 ± 3dB (1W, 1M)	93 ± 3dB (1W, 1M)	85 ± 3dB (1W, 1M)	85 ± 3dB (1W, 1M)
Cabinet Material	ABS	ABS	ABS	ABS
Dimensions (W x D x H) mm	239 x 269 x 121	Ø188 x 76	112 x 122 x 193	128 x 128 x 131
Net Weight (Kg)	0.9	0.7	1.5	1.35
Colour	White	White	Black/White	Black/White

Technical Specifications	ARC 31	ARC 32	ARC 40	ARC 60
Type	Book Shelf	Wall Mount	Wall Mount	Wall Mount
Speaker Units	5" woofer and 1" tweeter	4" woofer and 1" tweeter	6" woofer and 1" tweeter	
Rated Power	30W	30W	40W	60W
Power Tap Selection	30W / 15W / 7.5W / 3.75W, 8Ω	30W / 15W / 7.5W / 3.75W / 1.9W, 8Ω	40W / 20W / 10W / 5W, 8Ω	60W / 30W / 15W / 7.5W, 8Ω
Frequency Range	100Hz-20kHz	100Hz-20kHz	90Hz-20kHz	80Hz-20kHz
Input Voltage (Max)	100V	100V/70V	100V	100V
Sensitivity	88 ± 3dB (1W, 1M)	88 ± 3dB (1W, 1M)	87 ± 3dB (1W, 1M)	91 ± 3dB (1W, 1M)
Cabinet Material	MDF	ABS	ABS	ABS
Dimensions (W x D x H) mm	182 x 184 x 270	148 x 172 x 250	195 x 213 x 310	213 x 218 x 311
Net Weight (Kg)	3	2.5	3.7	4.4
Colour	Black/White	Black/White	Black/White	Black

Studiomaster PROFESSIONAL

ARC G1 Outdoor Speaker

New!

- High-performance 30W outdoor speaker.
- Clear 360° sound with a wide coverage area.
- Housed in a corrosion-resistant ABS body for durability.
- **IP56 rating for optimal protection from dust and low-pressure water splashing.**
- Supplied with screws and brackets for quick installation and operation.
- Ideal for gardens and lawns in hotels, resorts, farmhouses, theme parks, and houses of worship.

Technical Specifications	ARC G1
Speaker Type	Ground Mount
Speaker Units	3" woofer
Rated Power	30W
Power Tap Selection	15W / 30W
Frequency Response	130Hz-10kHz
Input Voltage (Max)	100V
Sensitivity	85dB
Cabinet Material	ABS
Dimensions	Ø240*340H mm
Net Weight (Kg)	4.7
Colour	Green

Flex 4 Set 21" Gooseneck Microphone with Base

- Sleek and unobtrusive design.
- **Anti Mobile and RF interference technology.**
- High sensitivity allows superior vocal reproduction.
- High gain before feedback.
- Switchable low cut to minimize hum and thumps.
- Works on external +48V phantom supply.
- Balanced XLR connector.
- Features a microphone base with On/Off switch and LED.

Technical Specifications	Flex 4 Set
Type	Electret Condenser
Frequency Response	20Hz-20kHz
Polar Pattern	Cardioid
Sensitivity	-40dB
Impedance	280 Ω
Connector	XLR
Power Requirement	11-52V DC Phantom Power

Flex 3 Set 21" Gooseneck Microphone with Base

- Sleek and unobtrusive design.
- Balanced XLR connector.
- High sensitivity allows superior vocal reproduction.
- High gain before feedback.
- LED indicator on microphone to indicate "Mic Active" status.
- Features a microphone base with On/Off switch and LED.
- **Works on external +48V phantom supply or 2 x AAA batteries.**

Technical Specifications	Flex 3 Set
Type	Electret Condenser
Frequency Response	30Hz-18kHz
Polar Pattern	Cardioid
Sensitivity	-36dB
Impedance	75 Ω
Connector	XLR
Power Requirement	+48V Phantom Power / 2 x AAA Batteries

	General purpose Microphone.	General purpose Microphone.	Pack of three SM 100XLR	Pack of three SM 200XLR	Instrument Microphone	Vocal Microphone
Technical Specifications	**SM 100XLR**	**SM 200XLR**	**TRIO100**	**TRIO200**	**SM 300I**	**SM 400XLR**
Type	Dynamic	Dynamic	Dynamic	Dynamic	Dynamic	Dynamic
Frequency Response	50Hz-11kHz	50Hz-11kHz	50Hz-11kHz	50Hz-11kHz	100Hz-15kHz	40Hz-16kHz
Polar Pattern	Cardioid	Cardioid	Cardioid	Cardioid	Hyper Cardioid	Super Cardioid
Sensitivity (at 1kHz)	-62dB ±3dB	-70dB ±3dB	-62dB ±3dB	-70dB ±3dB	-72dB ±3dB	-52dB ±3dB
Nominal Impedance	500 Ω	500 Ω	500 Ω	500 Ω	600 Ω	600 Ω
Connector	3-pin XLR male	3-pin XLR male	3-pin XLR male	3-pin XLR male	3-pin XLR male	3-pin XLR male
Accessories Included	6.5M XLR-Jack cable, mic holder, plastic case	6.5M XLR-Jack cable, mic holder, plastic case	Mic holder, plastic case	Mic holder, plastic case	6.5M XLR-Jack cable, mic holder, plastic case	6.5M XLR mic cable, mic holder

	Vocal Microphone	Vocal Microphone	Vocal Microphone	Cardioid Microphone	Studio Microphone
Technical Specifications	**SM 450XLR**	**SM 500XLR**	**SM 600XLR**	**SM 650XLR**	**SM 900C**
Type	Dynamic	Dynamic	Dynamic	Dynamic	Pressure Gradient
Frequency Response	40Hz-17kHz	50Hz-15kHz	30Hz-16kHz	30Hz-17kHz	20Hz-20kHz
Polar Pattern	Super Cardioid	Super Cardioid	Super Cardioid	Cardioid	Uni, Bi and Omni Directional
Sensitivity (at 1kHz)	-52dB ±3dB	-50dB ±3dB	-50dB ±3dB	-49dB ±3dB	-36dB ±2dB
Nominal Impedance	600 Ω	350 Ω	350 Ω	300 Ω	150 Ω
Connector	3-pin XLR male	3-pin XLR male	3-pin XLR male	3-pin XLR male	3-pin XLR
Accessories Included	6.5M XLR mic cable, mic holder	6.5M XLR mic cable, leatherette pouch, mic holder, plastic case			Carry case, shock mount stand, pop filter foam
Colour Available	-	-	-	Black / Silver	
Special Features			3 operational modes: • Low Frequency cut: -5dB (at 100Hz) • Flat response • -7dB attenuation	Advantages of Cardioid: • Uniform pickup. • More gain. • Wider frequency response. • Versatile application	• Works on +48V Phantom power

Studiomaster PROFESSIONAL

XR 100 Series 4 Channel UHF Wireless Microphone System

- Superior quality 4 channel UHF wireless microphone system.
- **4 transmitters (microphones) can be used at the same time with one receiver.**
- Individual channel frequency display on the receiver and transmitter.
- Individual channel volume controls.
- Individual channel XLR out and ¼" jack mix out.

Technical Specifications	XR 100 Series
Receiver	4 Channel Non-Diversity
Frequency Response	50Hz-16kHz
Polar Pattern (Microphones)	Cardioid
Output	Individual Channel: XLR Mix out: ¼" jack
Power Req. — Hand & Lapel (Mic)	2 x 1.5V AA
Power Req. — Receiver	240V AC / 50Hz Adaptor (supplied)
Models	XR 100 4H (4 Hand) XR 100 2HL (2 Hand, 2 Lapel) XR 100 4C (4 Conference) XR 100 HCL (2 Hand, 1 Lapel, 1 Conference) XR 100 4L (4 Lapels)

XR 80 Series Duet UHF Wireless Microphone Systems

- High-quality UHF duet wireless microphone system.
- **80 selectable channels.**
- Two microphones can be used at the same time.
- Individual channel output with level controls and mix output.
- Display for frequency indication.
- **Easy setup with Infrared (IR).**

Technical Specifications	XR 80 Series
Receiver	Dual Channel Non-Diversity
Frequency Response	40Hz-16kHz
Polar Pattern (Microphones)	Cardioid
Output	Individual Channel: XLR Mix out: ¼" Jack
Power Req. — Hand & Lapel (Mic)	2 x 1.5V AA
Power Req. — Receiver	240V AC / 50Hz Adaptor (supplied)
Models	XR 80 HH (Handheld + Handheld) XR 80 HL (Handheld + Lapel) XR 80 LL (Lapel + Lapel) New!

XR 40 Series Duet UHF Wireless Microphone

- High-quality UHF duet wireless microphone system.
- Two microphones can be used at the same time.
- Individual channel output with level controls and mix output.
- Balanced XLR and unbalanced ¼" output.
- Display for frequency indication.

Technical Specifications	XR 40 Series
Receiver	Dual Channel Non-Diversity
Frequency Response	50Hz-16kHz
Polar Pattern (Microphones)	Cardioid
Output	Individual Channel: XLR Mix out: ¼" jack
Power Req. — Hand & Lapel (Mic)	2 x 1.5V AA
Power Req. — Receiver	240V AC / 50Hz Adaptor (supplied)
Models	XR 40 HH (Handheld + Handheld) XR 40 HL (Handheld + Lapel) XR 40 LL (Lapel + Lapel)

XR 20 Series UHF Wireless Microphone System

- High-quality UHF conference wireless microphone system.
- Balanced XLR and unbalanced ¼" output with level control.
- Professional 21" gooseneck microphone (XR 20 C).
- LED ring to indicate 'Mic Active' status (XR 20 C).
- Display for frequency indication.

Technical Specifications	XR 20 Series
Receiver	Single Channel Non-Diversity
Frequency Response	50Hz-16kHz
Polar Pattern (Microphones)	Cardioid
Output	Balanced XLR and Unbalanced ¼" Jack
Power Req. — Hand & Lapel (Mic)	2 x 1.5V AA
Power Req. — Receiver	240V AC / 50Hz Adaptor (supplied)
Models	XR 20 H (Handheld) XR 20 L (Lapel) XR 20 C (Conference)

XR-HM1 High-quality headworn microphone.

- High quality headworn microphone for classrooms, presentations, live performances, places of worship etc.
- Uni-directional pick up pattern.
- External windscreen to reduce wind and pop noise.
- Terminated with 3pin mini-XLR connector.
- **Works with all XR series bodypack transmitters.**

| Technical Specifications	XR-HM1
Directivity	Uni-directional
Sensitivity	−44 ± 2dB (6.3mV/Pa)
Frequency Response	20Hz-20kHz
Nominal Impedance	2.2KΩ
Operation Voltage	1.0V-10V
Signal to Noise Ratio	>58dB
Cable Length	1.5 meter

NT 50 Series UHF Wireless Microphone System New!

- Clear and crisp voice pickup.
- Backlit display for frequency indication.
- Balanced XLR and unbalanced 1/4" jack output.
- Anti-roll microphone grille design.
- Micro USB port for use with powerbank.

Technical Specifications		NT 50 Series
Receiver		Fixed
Frequency Response		40Hz-16kHz
Polar Pattern (Microphones)		Cardioid
Output		XLR / ¼" Jack
Power Req.	Hand & Lapel (Mic)	2 x 1.5V AA
	Receiver	DC 5V with Micro USB connector
Models		NT 50H (Handheld)
		NT 50L (Lapel)

Mobile Powerbank Operation
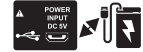
NT 60 Series UHF Wireless Microphone System New!

- Clear and crisp voice pickup.
- Backlit display for frequency indication.
- Balanced XLR and unbalanced 1/4" jack output.
- Anti-roll microphone grille design.
- Micro USB port for use with powerbank.

Technical Specifications		NT 60 Series
Receiver		Variable
Frequency Response		40Hz-16kHz
Polar Pattern (Microphones)		Cardioid
Output		XLR / ¼" Jack
Power Req.	Hand & Lapel (Mic)	2 x 1.5V AA
	Receiver	DC 5V with Micro USB connector
Models		NT 60H (Handheld)
		NT 60L (Lapel)

16 UHF Channels **Easy Setup via Infrared (IR)** **Transmitter Channel Selectivity** **Mobile Powerbank Operation**
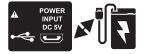
TR 47 Series UHF Wireless Microphone System

- Superior quality UHF band frequency wireless microphone system.
- **100 UHF selectable channels.**
- **Easy system set-up using Infrared (IR) technology.**
- Clear LCD display.
- Sensitivity adjustment for HI, Middle, and LOW receiving distance.

Technical Specifications		TR 47 Series
Receiver		True Diversity
Frequency Response		40Hz-18kHz
Polar Pattern (Microphones)		Cardioid
Output		XLR / ¼" Jack
Power Req.	Hand & Lapel (Mic)	2 x 1.5V AA
	Receiver	240V AC / 50Hz Adaptor (supplied)
Models		TR 47H (Handheld)
		TR 47L (Lapel with skin colour headset)

BR 48 Series Duet UHF Wireless Microphone

- UHF band frequency by PLL Synthesis technology.
- Double noise squelching circuit to ensure excellent sound quality.
- LED for channel information display.
- Highly-efficient and low-energy consumption design.

- **8 Selectable UHF channels**

Technical Specifications		BR 48 Series
Receiver		Dual Channel Non-Diversity
Frequency Response		50Hz-15kHz
Polar Pattern (Microphones)		Cardioid
Output		Balanced XLR and Unbalanced ¼" Jack
Power Req.	Hand & Lapel (Mic)	2 x 1.5V AA
	Receiver	240V AC / 50Hz Adaptor (supplied)
Models		BR 48 / BM 28 / BM 28 (Handheld + Handheld)
		BR 48 / BM 28 / BL 28 (Handheld + Lapel)

BR 28 Series UHF Wireless Microphone

- **8 selectable UHF channels.**
- UHF band frequency by PLL Synthesis technology.
- Double noise squelching circuit to ensure excellent sound quality.
- LED for channel information display.
- Highly-efficient and low-energy consumption design.

Technical Specifications		BR 28 Series
Receiver		Single Channel Diversity
Frequency Response		50Hz-15kHz
Polar Pattern (Microphones)		Cardioid
Output		Balanced XLR and Unbalanced ¼" Jack
Power Req.	Hand & Lapel (Mic)	2 x 1.5V AA
	Receiver	240V AC / 50Hz Adaptor (supplied)
Models		BR 28 / BM 28 (Handheld)
		BR 28 / BL 28 (Lapel)

Studiomaster PROFESSIONAL

ER 11 Series VHF Wireless Microphone System

- VHF band frequency Quartz lock control.
- Single channel receiver.
- LED indicator for power, RF, and peak with Telescopic antenna.
- Special circuit designed to minimize microphone switch noise.

Technical Specifications		ER 11 Series
Receiver		Single Channel Non-Diversity
Frequency Response		50Hz-15kHz
Polar Pattern (Microphones)		Cardioid
Output		Unbalanced ¼" Jack
Power Req.	Hand & Lapel (Mic)	9V Alkaline Battery
	Receiver	240V AC / 50Hz Adaptor (supplied)
Models		ER 11 / EM 11 (Handheld)
		ER 11 / EL 11 (Lapel + Headset)

ER 31 Series Duet VHF Wireless Microphone System

- VHF band frequency Quartz lock control.
- Dual channel receiver.
- LED indicators for power and RF with Telescopic antenna.
- Special circuit design to suppress microphone switch noise.
- **Individual channel output as well mix output.**

Technical Specifications		ER 31 Series
Receiver		Dual Channel Non-Diversity
Frequency Response		50Hz-15kHz
Polar Pattern (Microphones)		Cardioid
Output		Individual Channel: ¼" Jack
		Mix out: ¼" Jack
Power Req.	Hand & Lapel (Mic)	9V Alkaline Battery
	Receiver	240V AC / 50Hz Adaptor (supplied)
Models		ER 31 / EM 31 / EM 31 (Handheld + Handheld)
		ER 31 / EM 31 / EL 31 (Lapel + Handheld)
		ER 31 / EL 31 / EL 31 (Lapel + (Lapel)

ER 58 Series VHF Wireless Microphone

- VHF band frequency Quartz lock control.
- Single channel receiver.
- LED indicators for power, RF, and AF with Telescopic antenna.
- Special circuit design to suppress microphone switch noise.

Technical Specifications		ER 58 Series
Receiver		Single Non-Diversity
Frequency Response		50Hz-15kHz
Polar Pattern (Microphones)		Cardioid
Output		¼" Jack
Power Req.	Hand & Lapel (Mic)	9V Alkaline Battery
	Receiver	240V AC / 50Hz Adaptor (supplied)
Models		ER 58 / EM 58 (Hand)
		ER 58 / EL 58 (Lapel + Headset)

# Stabilizers

SERVO VOLTAGE CONTROLLER

Model Availables: SVC-S1000 (1KVA / 1000W)
SVC-S2000 (2KVA / 2000W)
SVC-S3000 (3KVA / 3000W)
SVC-S5000 (5KVA / 5000W)
SVC-S5001 (5KVA / 5000W)
SVC-S8000 (8KVA / 8000W)
SVC-S10000 (10KVA / 10000W)
SVC-S12000 (12KVA / 12000W)

- Specially designed for audio equipment.
- Wide input voltage range for Indian conditions (180-250V).
- High overload capability.
- Short circuit protection.
- Less than 1 sec stabilization time.
- No waveform distortion.
- Low-noise operation.
- Accurate voltage control.
- Over and under voltage correction (automatically regulates in both conditions).
- Generator compatible.
- Voltmeter displays output voltage so no more 'drop' during bass thumps.
- Current and Volt meter display on the SVC-S5000, SVC-S5001, SVC-S8000, SVC-S10000, and SVC-S12000.

Auditorium Set-up

Small Size Auditorium
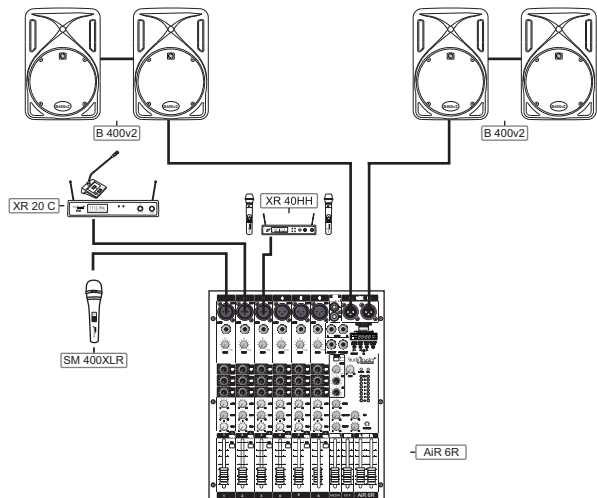
Model	Description	Qty.	Purpose
B 400v2	12" 275W RMS Powered Speaker	4	FOH Speaker
AiR 6R	6 Mic/Line Inputs + USB MP3 Player + Recorder + Bluetooth	1	Mixer
XR 20 C	21" Wireless Gooseneck Microphone	1	Podium
SM 400XLR	Wired Microphone	1	General
XR 40 HH	Duet UHF Handheld Wireless Microphone	1	General Purpose
Optional Products			
15 SUB	15" 800W RMS Powered Subwoofer	1	FOH Speaker
B 200	12" 160W RMS Powered Speaker	1	Monitor

Mid Size Auditorium
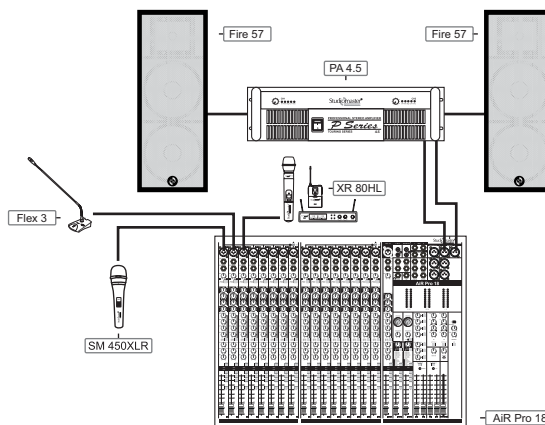
Model	Description	Qty.	Purpose
Fire 57	Dual 15" 1300W RMS @ 4Ω Passive Speaker	2	FOH Speaker
PA 4.5	Amplifier (2 x 1600W RMS @ 4Ω)	1	For Fire 57
AiR Pro 18	16 Mic + 1 Stereo Input + Multi EFX + 4 Subgroups	1	Mixer
Flex 3	21" Gooseneck Microphone with Base	1	Podium
SM 450XLR	Wired Microphone	1	General
XR 80 HL	80 Ch. Duet UHF Wireless Microphone	1	General Purpose
Optional Products			
Fire 82	18" 1500W RMS @ 8Ω Passive Subwoofer	2	FOH Speaker
PA 7.5	Amplifier (2 x 1550W RMS @ 8Ω)	1	For Fire 82
SX-321	2-Way / 3-Way Stereo Active Crossover	1	For FOH

Mid Size Auditorium
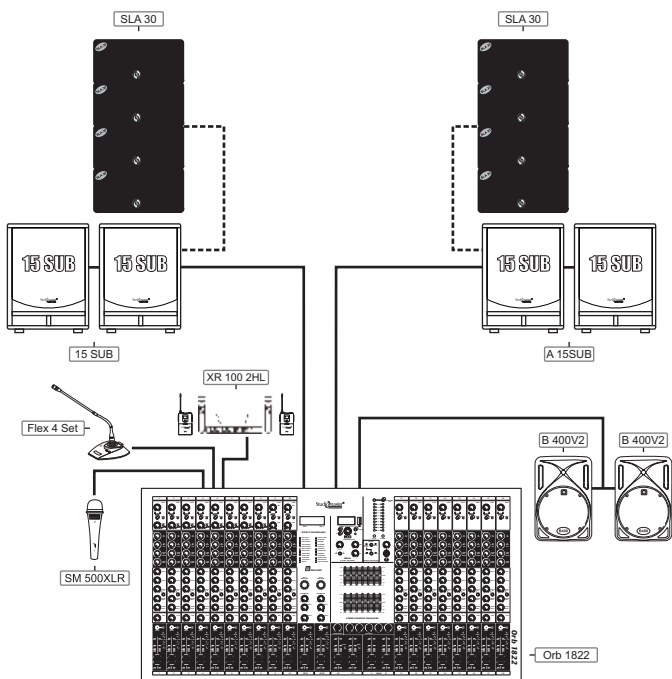
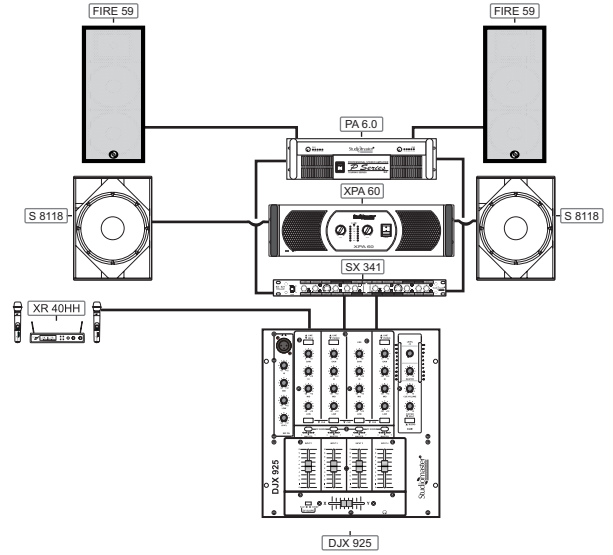| Model	Description	Qty.	Purpose
SLA 30	8" 250W Powered Line Array	8	FOH Speaker
15 SUB	15" 800W RMS Powered Subwoofer	4	FOH Speaker
Orb 1822	18 Mic / 20 Line inputs + Multi EFX + 2 Subgroups	1	Mixer
Flex 4 Set	21" Gooseneck Microphone with Base	1	Podium
SM 500XLR	Wired Microphone	1	Lectern
XR 100 HL	4 Ch. UHF Wireless Microphone	1	General Purpose
B 400V2	12" 275W RMS Powered Speaker	2	Monitor

Large Size Auditorium
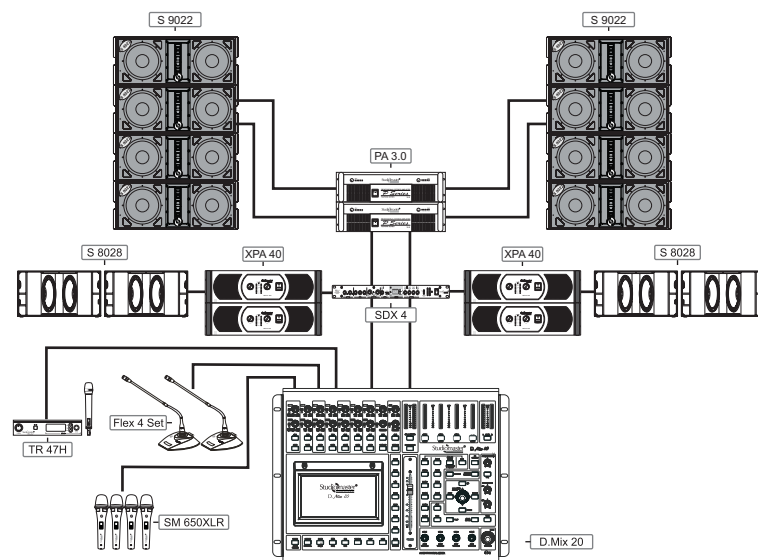
Model	Description	Qty.	Purpose
S 9022	Dual 12" 900W RMS @ 8Ω Line Array	8	FOH Speaker
S 8028	Dual 18" 3000W @ 4Ω Passive Subwoofer	4	FOH Speaker
PA 3.0	Amplifier (2 x 1100W RMS @ 4Ω)	2	For Fire 92
XPA 40	Amplifier (4000W RMS @ 4Ω Bridge Mode)	4	For S 8028
D.Mix 20	16 Mic/Line + 2 Stereo Inputs + Multi EFX + 4 Subgroups	1	Digital Mixer
SDX-4	Loudspeaker Management System	1	Processor
Flex 4 Set	21" Gooseneck Microphone with Base	2	Podium
SM 650XLR	Wired Microphone	4	General Purpose
TR 47 H	100 Ch. Single UHF Wireless Microphone	1	General Purpose
Optional Products			
Fire 21	Single 12" 350W RMS @ 8Ω Passive Floor Monitor	2	Monitor
PA 1.5	Amplifier (2 x 350W RMS @ 8Ω)	1	For Fire 21

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DJ Set-up
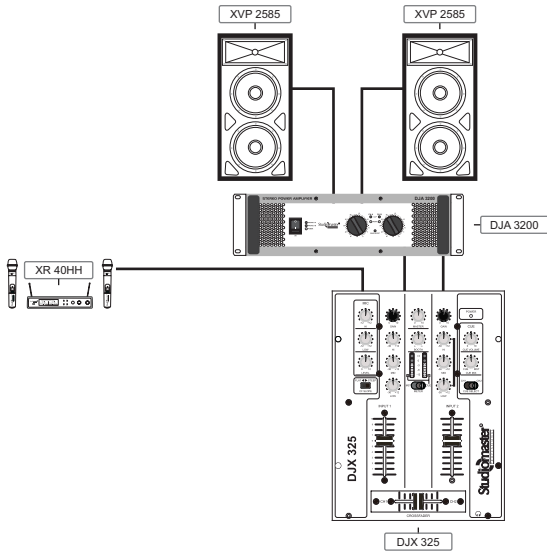
Model	Description	Qty.	Purpose
XVP 2585	Dual 15" 900W RMS @ 4Ω Passive Speaker	2	FOH Speaker
DJA 3200	Amplifier (2 x 1125W RMS @ 4Ω)	1	For XVP 2585
DJX 325	3 Channel DJ Mixer	1	Mixing Console
XR 40 HH	Duet UHF Handheld Wireless Microphone	1	General Purpose
Optional Products			
XVP 1808	Single 18" 800W @ 8Ω Passive Subwoofer	1	FOH Speaker
DJA 4000	Amplifier (2 x 900W RMS @ 8Ω)	1	For XVP 1808

Model	Description	Qty.	Purpose
Fire 59	Dual 15" 1700W RMS @ 4Ω Passive Speaker	2	FOH Speaker
PA 6.0	Amplifier (2 x 2000W RMS @ 4Ω)	1	For FIRE 59
SX-341	2-Way / 3-Way Stereo Active Crossover	1	For FOH
S 8118	Single 18" 1500W @ 8Ω Passive Subwoofer	2	FOH Speaker
XPA 60	Amplifier (2 x 4000W RMS @ 8Ω)	1	For S 8118
DJX 925	5 Channel DJ Mixer	1	Mixing Console
XR 40 HH	Duet UHF Handheld Wireless Microphone	1	General Purpose

Zonal Paging System Setup

Shopping Mall Set-up
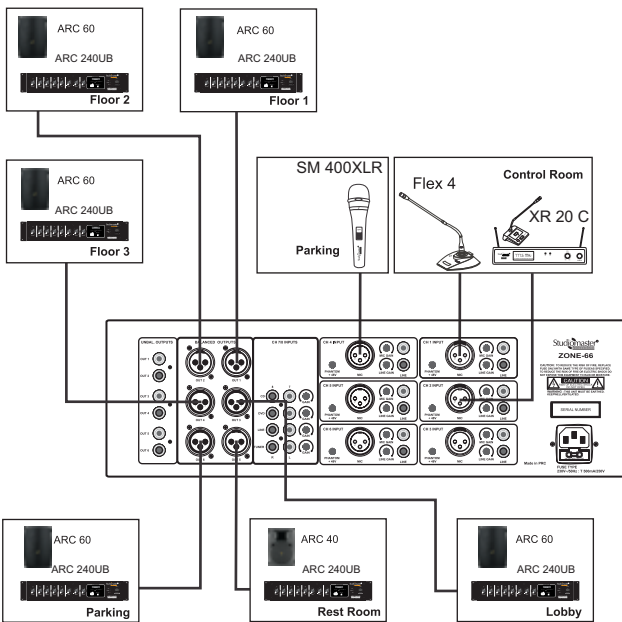
School Set-up
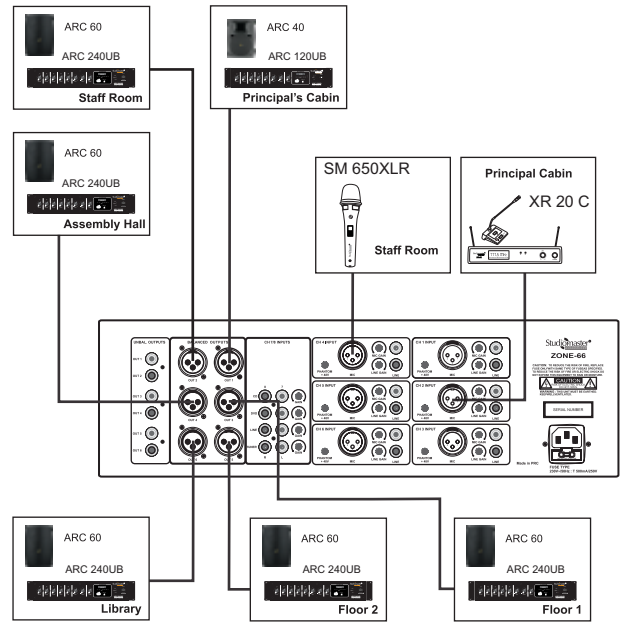
Church Set-up

## Small Size Church Set-up
Estimated Congregation Size: 100 people
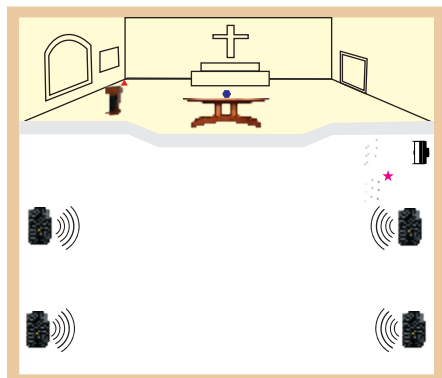
: SM 400XLR
: SM 400XLR
: TRIO 200
: ARC 60

Model	Description	Qty.	Purpose
ARC 60	6" 60W RMS Wall-mount Speaker / 100V	4	FOH Speaker
ARC 240UB	240W RMS + 3 Mic/Line Inputs + 1 Mic/USB + Bluetooth	1	Amplifier
SM 400XLR	Wired Microphone	2	Altar & Lectern
TRIO 200	Pack of 3 SM 200XLR Wired Microphones	1	Choir
XR 20 H	UHF Wireless Microphone	1	General Purpose

Small to Medium Size Church Set-up
Estimated Congregation Size: 200-300 people
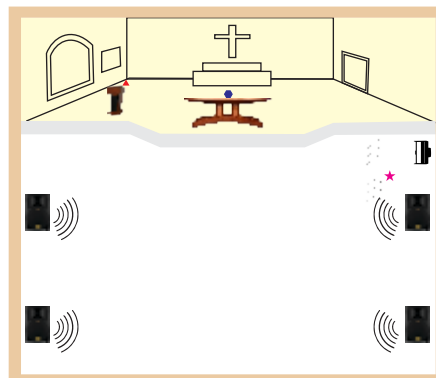
: XR 20 C
: XR 20 C
: SM 500XLR
: B 400V2

Model	Description	Qty.	Purpose
B 400V2	12" 275W RMS Powered Speaker	4	FOH Speaker
AiR 8U	8 Mic/Line Inputs + USB MP3 Player + Bluetooth	1	Mixer
XR 20 C	21" Wireless Gooseneck Microphone	1	Altar & Lectern
SM 500XLR	High Quality Vocal Microphone	3	Choir
XR 40 HL	Duet UHF Handheld + Lapel Wireless Microphone	1	General Purpose

## Medium Size Church Set-up
Estimated Congregation Size: 300-400 people
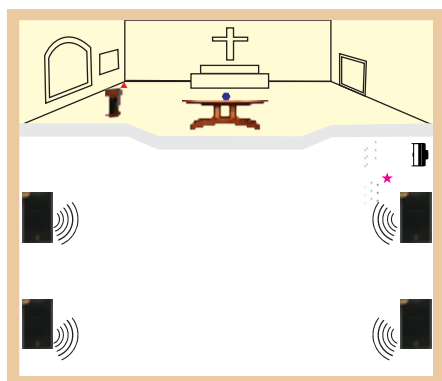
: Flex 4 Set
: Flex 4 Set
: SM 450XLR
: FIRE 51

Model	Description	Qty.	Purpose
Fire 51	Single 15" 500W RMS @ 8Ω Passive Speaker	4	FOH Speaker
PA 3.0	Amplifier (2 x 1100W RMS @ 4Ω)	1	For Fire 51
AiR Pro 18	16 Mic + 1 Stereo Input + Multi EFX + 4 Subgroups	1	Mixer
Flex 4 Set	21" Gooseneck Microphone with Base	2	Altar & Lectern
SM 450XLR	High Quality Vocal Microphone	3	Choir
XR 40 HL	Duet UHF Handheld + Lapel Wireless Microphone	1	General Purpose

Large Size Church Set-up
Estimated Congregation Size: 500-600 people
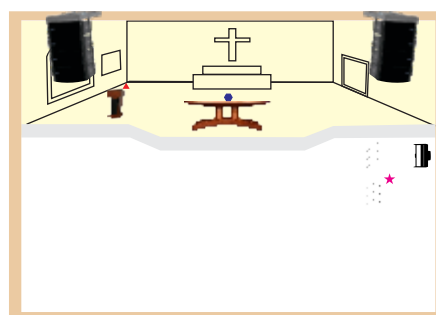
: Flex 4 Set
: Flex 4 Set
: SM 600XLR
: SLA 30

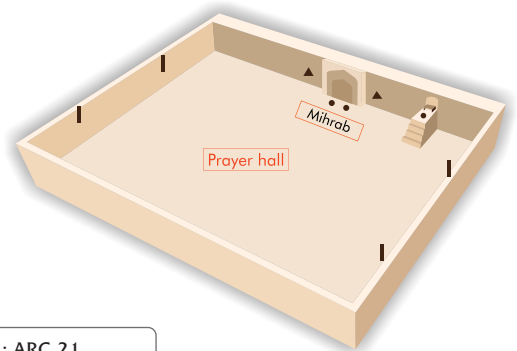| Model	Description	Qty.	Purpose
SLA 30	8" 250W Powered Line Array	8	FOH Speaker
15 SUB	15" 800W RMS Powered Subwoofer	2	FOH Speaker
AiR Pro 28	24 Mic + 2 Stereo Inputs + Multi EFX + 6 Subgroups	1	Mixer
Flex 4 Set	21" Gooseneck Microphone with Base	2	Altar & Lectern
SM 600XLR	High Quality Vocal Microphone	3	Choir
XR 100 2HL	4 Ch. UHF Wireless Microphone	1	General Purpose

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Mosque Set-up

Small Mosque set-up
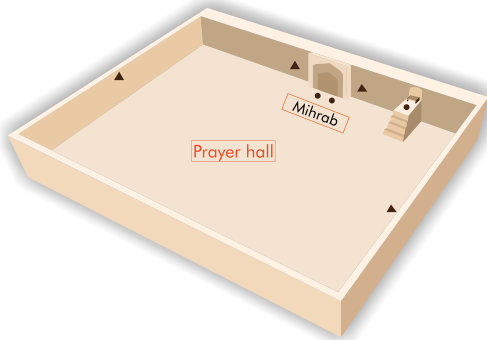
▲ : ARC 20
● : SM 200XLR & ER 58 / EL 58

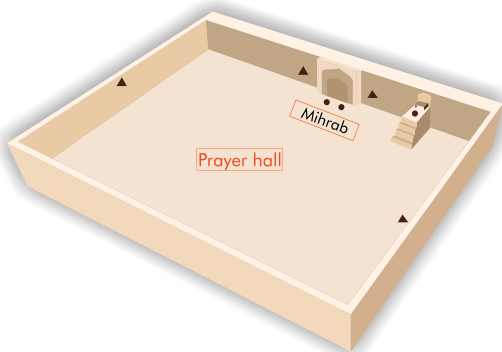| Model	Description	Qty.	Purpose
ARC 20 (Pair)	3" 20W RMS Wall-mount Speaker / 100V	2	Prayer Hall
ARC 120UB	120W RMS + 3 Mic/Line Inputs + 1 Mic/USB + Bluetooth	1	Prayer Hall
ER 58 / EL 58	VHF Wireless Microphone (Lapel + Headset)	1	Khutbah & Namaz
SM 200XLR	Wired Microphone	1	Azan
SM 200XLR	Wired Microphone	1	Khutbah & Namaz

Small to Medium Mosque set-up

▲ : ARC 40   ▮ : ARC 21
● : SM 400XLR & XR 20 C

Model	Description	Qty.	Purpose
ARC 40	6" 40W RMS Wall-mount Speaker / 100V	2	Prayer Hall
ARC 21 (Pair)	Quad 4" 20W RMS Column Speaker / 100V	2	Prayer Hall
ARC 120UB	120W RMS + 3 Mic/Line Inputs + 1 Mic/USB + Bluetooth	1	Prayer Hall
XR 20 L	UHF Wireless Microphone + XR-HM1 Headset	1	Khutbah & Namaz
SM 200XLR	Wired Microphone	1	Azan
SM 400XLR	Wired Microphone	1	Khutbah & Namaz

Medium Mosque set-up

▲ : ARC 60
● : SM 500XLR & ER 11 / EL 11

Model	Description	Qty.	Purpose
ARC 60	6" 60W RMS Wall-mount Speaker / 100V	4	Prayer Hall
ARC 240UB	240W RMS + 3 Mic/Line Inputs + 1 Mic/USB + Bluetooth	1	Prayer Hall
ER 11 / EL 11	VHF Wireless Microphone (Lapel + Headset)	1	Khutbah & Namaz
SM 450XLR	Wired Microphone	1	Azan
SM 500XLR	Wired Microphone	1	Khutbah & Namaz

Large Mosque set-up

▲ : ARC 60   ▮ : Aria 8
● : SM 600XLR & XR 80 HL

Model	Description	Qty.	Purpose
ARC 60	6" 60W RMS Wall-mount Speaker / 100V	4	Prayer Hall
ARC 240UB	240W RMS + 3 Mic/Line Inputs + 1 Mic/USB + Bluetooth	1	Prayer Hall
Aria 8	Single 8" 120W RMS @ 8Ω Passive Speaker	2	Prayer Hall
DJA 800	Amplifier (2 x 165W RMS @ 8Ω)	1	Prayer Hall
AiR 4	4 Mic/Line + 2 Stereo Inputs	1	Prayer Hall
XR 80 HL	80 Ch. Duet UHF Wireless Microphone + XR-HM1 Headset	1	Khutbah & Namaz
SM 200XLR	Wired Microphone	1	Azan
SM 600XLR	Wired Microphone	1	Khutbah & Namaz

NOTES

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