

COMMERCIAL AUDIO SOLUTIONS

Innovative Audio Solutions for Seamless
Communication & Collaboration



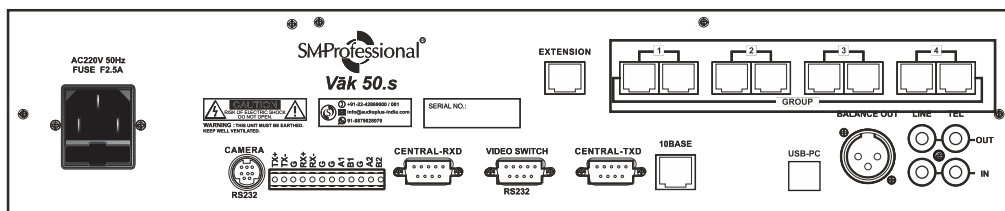
PROFESSIONAL AUDIO. BUILT ON LEGACY. ENGINEERED FOR TODAY.

Vāk 50

Wired Conference System With Camera Tracking And Web Management System

The Vāk 50 is a premium Digital Conference System with Network Connectivity & Camera Tracking and more. Integrating state-of-the-art Digital Signal Processing technologies, network-based architecture, remote web management system, advanced priority control, ultra functional operating modes and more, the system is geared to empower seamless and scalable conferencing in large meeting applications.

Vāk 50.s Main Controller



**NETWORK
BASED**



**INTUITIVE
INTERFACE**



**USB MP2
RECORDER**



**CAMERA
TRACKING**



**REMOTE WEB
MANAGEMENT APP**

- Seamless network connectivity via standard RJ45 ethernet connectors.
- Supports up to 100 participants by default for small to medium meeting scenarios.
- Can support up to 1000 participants via optional extender for larger meeting scenarios.
- Multifunctional operating modes such as FIFO, LIFO, chairman, all ON, auto mode and more.
- Advanced priority control with manual and auto recover options.
- Remote microphone ON/OFF and shutdown.
- Built-in USB MP2 recorder with sequential file saving and storage.
- Intuitive camera tracking with industry-standard VISCA and PELCO-D/P protocol compatibility.
- RS-232 and RS-485 camera controller interface.
- Supports one camera system out-of-the-box and multi camera systems via optional extender.
- Embedded browser-based web management app for remote configuration and control via a PC, laptop or smartphone.
- User-friendly interface with responsive LCD touch screen.
- Quick plug-and-play installation, easy-to-use, no operator required.
- Ideal for boardrooms, conference rooms, legislative chambers and other large and complex meeting scenarios.

Advanced Priority Settings

Chairman Regulates Priority Control



Manual Recover

In this mode, delegate units are switched OFF when the chairman's priority key is pressed. They can be reactivated by pressing the ON key again.

Auto Recover

In this mode, delegate units are muted while the priority key is pressed and held. It is unmuted once the key is released.

WEB MANAGEMENT APP

Remote Configuration & Control



**END-TO-END
REMOTE
MANAGEMENT**



**BROWSE-BASED,
NO SOFTWARE
REQUIRED**

**CONTROL VIA
SMARTPHONE TOO**



Ultra Functional Operating Modes



FIFO: It is the order in which the participants enter the discussion and the order in which they are switched OFF (muted), when a new 'speak' request comes in.



Sound Control Mode: In this mode, microphones are voice-activated for hands-free experience.



Discussion Mode: In this mode, the camera tracks the last microphone unit that was manually switched on.



All On Mode: In this mode, all microphone units are activated simultaneously with no limit of the number of open microphones.



LIFO: It is the order in which the participants enter the discussion and the order in which they are switched OFF is reversed, when a new 'speak' request comes in.

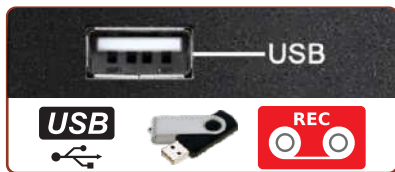


Chairman Mode: In this mode, only the chairman can communicate. All other delegates are muted.



Auto Mode: In this mode, the camera tracks the microphone unit that detects voice input.

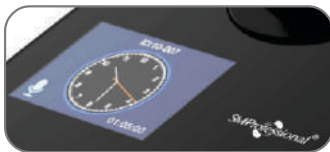
Record Meetings On-the-Go!



The Vāk 50 system features a built-in USB MP2 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 50.c Chairman Unit & Vāk 50.d Delegate Unit



- Compact and classy microphone units.
- Clear 2" colour screen that displays time details, microphone ON/OFF status and unit ID.
- High quality capsule for clear voice pickup.
- 3.5mm headphone output with volume control.



Vāk 50 System Components



**Vāk 50.c &
Vāk 50.d
Base Unit**



**Vāk 50.gm1
Gooseneck
Microphone**



**Vāk 50.sm1
Shortneck
Microphone**



**Vāk 50.e
Extender
Unit**

Vāk 50.s (Main Controller)	
Frequency Response	100Hz-15kHz
Signal to Noise Ratio	>90dB
Output Connector	Line: XLR x 1, RCA x1, TEL: RCA x 1
Power Supply	AC 220 V, 50 Hz
Dimension (W x D x H) mm	483 x 326 x 90
Net Weight (Kg)	5.5

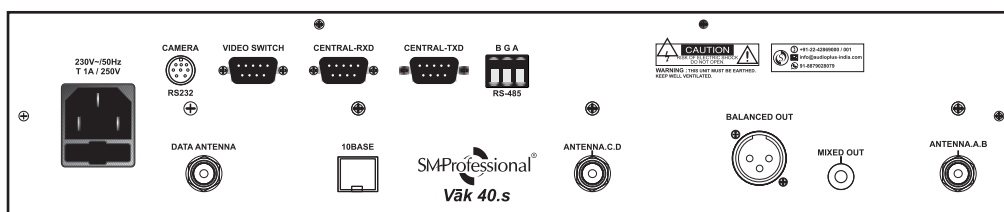
Vāk 50.c (Chairman) and Vāk 50.d (Delegate)	
Frequency Response	100Hz-10KHz
Connection	RJ45
Length of MIC Tube	215mm(Shortneck)/540mm(Gooseneck) 2 Bends
Max. Current Consumption	60mA
Dimension (W x D x H) mm	148 x 124 x 60 (Base)
Net Weight (Kg)	0.75

Vāk 40

Wireless Conference System with Camera Tracking & Digital Voting

The Studiomaster Professional Vāk 40 is a fully wireless conferencing system with camera tracking, digital voting, and much more. Integrating state-of-the-art Digital Signal Processing technologies, premium-grade hardware, unmatched interoperability, and an easy user interface, the Vāk 40 series is geared to deliver a powerful, and intuitive wireless conferencing experience.

Vāk 40.s Main Controller



FULLY WIRELESS



INTUITIVE INTERFACE



USB MP3 RECORDER



CAMERA TRACKING



DIGITAL VOTING

- Professional wireless conference system with 4 operating modes, FIFO / LIFO / Limit / Chairman.
- Highly-flexible and customizable system supporting up to 200 units.
- 10 secure UHF channels with editable frequencies for flexibility in complex applications.
- NOM (Number of Open Microphones) - Supports up to 4 active units.
- Remote microphone ON/OFF and shutdown.
- Built-in USB MP3 recorder with sequential file saving and storage.
- Intuitive camera tracking with industry-standard VISCA and PELCO-D/P protocol compatibility.
- RS-232 and RS-485 camera controller interface.
- Easy sign-in and voting function for streamlined decision making.
- Automatic interference detection and anti-RF for dropout-free performance.
- DSP and noise gate for ambient noise suppression and audio clarity.
- User-friendly interface with responsive LCD touch screen.
- Easy-to-use, no operator required.
- Quick plug-and-play installation.
- Ideal for boardrooms, conference rooms, legislative chambers and other large and complex meeting scenarios.

Ultra Functional Operating Modes



FIFO: It is the order in which the participants enter the discussion and the order in which they are switched OFF (muted), when a new 'speak' request comes in.



LIFO: It is the order in which the participants enter the discussion and the order in which they are switched OFF is reversed, when a new 'speak' request comes in.



Limit: It limits the number of active microphones based on the NOM settings. When activated, no additional microphone units can be switched ON when the maximum OPEN MIC QTY has reached.



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

Vāk 40.s (Main Controller)

Frequency Response	45Hz-18kHz ± 1 dB
Signal to Noise Ratio	>110dB
Output Connector	XLR and 1/4" Jack
Power Supply	AC 240V
Dimension (W x D x H) mm	483 x 323 x 90
Net Weight (Kg)	5.1

Vāk 41.c Chairman Unit & Vāk 41.d Delegate Unit

- Classy shortneck microphone with base.



- Large colour touchscreen to view and access key system features.



- Illuminated ON/OFF talk switch.



- Priority switch on the chairman unit to override all delegates during a discussion.



- **Power supply options:** Removable rechargeable battery or USB type-C connector (cable supplied).



- Fully wireless for flexibility in fixed and mobile applications.





Need Water?



Tea or Coffee?



Any Other Help?



Just Press a Button!



- Quick and easy "Service Call" feature to request service discreetly during meetings.

Vāk 40.c Chairman Unit & Vāk 40.d Delegate Unit

- Sleek and classy 21" 2-bend gooseneck microphone with base.



- High-quality condenser microphone capsule for superior voice reproduction.



- LED ring to indicate 'Mic Active' status.



- Clear 2" TFT colour screen displays microphone ON/OFF status, connectivity status, selected channel number, unit ID, battery level, microphone ON time and analogue watch dial.



- Illuminated ON/OFF talk switch.



- Priority switch on the chairman unit to override all delegates during a discussion.



- **Power supply options:** Removable rechargeable battery or USB type-C connector (cable supplied).



- Fully wireless for flexibility in fixed and mobile applications.





Vāk 40.c (Chairman) and Vāk 40.d (Delegate)	
RF Power Output	15mW
Bandwidth	30MHz
Power Supply	3.7V DC
Length of MIC Tube	21" / 533mm (2 Bends)
Dimension (W x D x H) mm	160 x 138 x 49
Net Weight (Kg)	0.75

Vāk 41.c (Chairman) and Vāk 41.d (Delegate)	
RF Power Output	15mW
Bandwidth	30MHz
Power Supply	3.7V DC
Length of MIC Tube	215mm
Dimension (W x D x H) mm	148 x 124 x 60
Net Weight (Kg)	0.75

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.
- Balanced XLR and 1/4" 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.
- High-quality microphone capsule ensures great voice reproduction.
- LED indicator ring on the microphone to indicate 'Mic Active' status.
- LED screen displays ON/OFF status, battery level, connected MIC number, selected channel number and unit ID.
- Illuminated ON/OFF talk switch.
- Priority switch on the chairman unit to override all delegates during a discussion.
- Power up the delegate and chairman units using either batteries or the supplied adaptor.
- Fully wireless for flexibility in fixed and mobile applications.

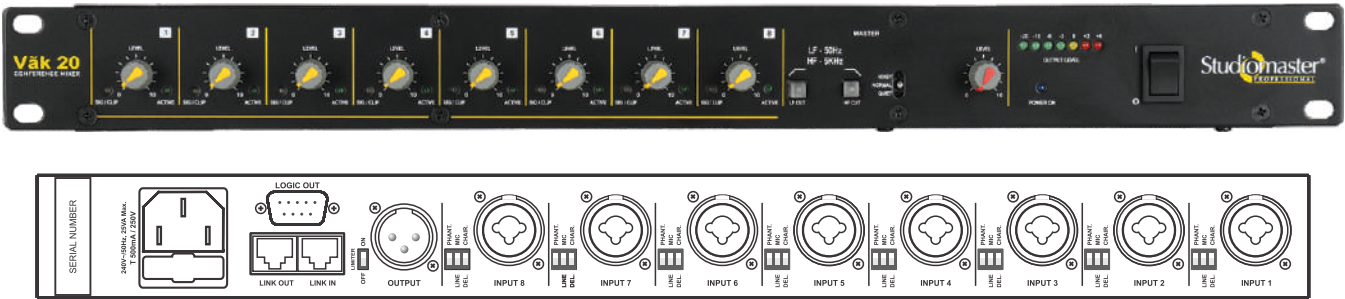
Vāk 30.s (Main Controller)	
Frequency Response	45Hz-18kHz $\pm$ 3dB
Signal to Noise Ratio	>105dB
Output Connector	1 XLR and 1/4" Jack
Power Supply	DC 12V
Dimension (W x D x H) mm	482 x 225 x 44
Net Weight (Kg)	2.4

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

Vāk 20

Automatic Conference Mixer

The 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



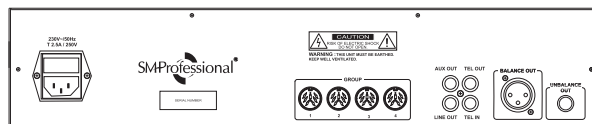
* To Be Purchased Separately.

Vāk 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 Chairman & Vāk 10.d Delegate Units



- Detachable and flexible gooseneck microphone.



- High-quality Panasonic® microphone capsule ensures good voice reproduction.



- LED indicator on the microphone to indicate 'Mic Active' status.



- Built-in speaker with level control.
- 2 separate headphone outputs.



- On/Off Talk switch.



- 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)

XR 80 Series

Duet UHF Wireless Microphone System



- 200 selectable UHF channels.
- Two microphones can be used at the same time.
- Individual channel output with level controls and mix output.
- Display for frequency indication.

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 Receiver 240V AC / 50Hz Adaptor (supplied)
Models	XR 80 HH (Handheld + Handheld) XR 80 HL (Handheld + Lapel) XR 80 LL (Lapel + Lapel) XR 80 CC (Conference + Conference)

Models Available:



XR-HM1 High-quality Headworn Microphone System



- Lightweight and Comfortable Design.
- Unidirectional pickup pattern.
- Exceptional vocal clarity.
- Long 1.5 meter cable
- Secure 3pin mini-XLR connector
- Works with all XR series bodypack transmitters.

Model	XR-HM1
Sensitivity	-44 ± 2dB (6.3mV/Pa)
Frequency Response	20Hz-20kHz
Nominal Impedance	2.2KΩ
Operation Voltage	1.0V-10V
Signal to Noise Ratio	>58dB

- Ideal for presentations, live performances, singing, speech, classrooms, houses of worship and mobile PA applications etc.



ARC Series

Installation Amplifiers

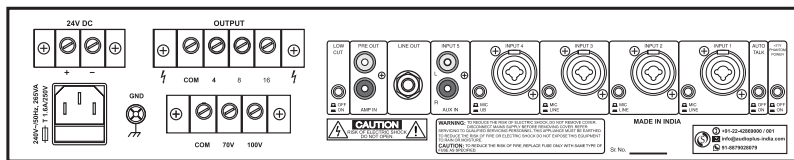
The Studiomaster Professional ARC series installation amplifiers offer versatile features and outstanding value for general public address and installed sound applications such as schools, offices, restaurants, shops, factories, houses of worship, and large meeting rooms.

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) + 1 Mic / USB + Recorder & Bluetooth



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 406Z

6 Channel Matrix Zone Amplifier

The Studiomaster Professional ARC 406Z is a high quality 6 channel matrix zone amplifier. Featuring 6 individual amp modules, ample matrix zone routing options, multiple output power taps and more, the ARC 406Z is geared to tackle complex install, PA and other sound reinforcement applications.



- 6 x Individual zone inputs with amplification & matrix zone routing
- 2 x versatile mono/stereo (MON:STER) line inputs
- **Vox Priority overrides all other inputs when activated.**
- 6 x ¼" line outputs to connect booster amplifiers
- Secure 4-pin Euro speaker output connectors
- * **Speaker output taps: 70V / 100V or 8Ω**

Technical Specifications		ARC 406Z
Power Output	1% THD	6 x 50W
	Max	6 x 70W
* Outputs Speakers		Min 8Ω, 70V, 100V
Line Input		0.775V/10KΩ
Frequency Response		150 -15000Hz, ±3dB
THD		1%
S/N ratio		> 80dB
Operating temperature		0 - 40 °C
Mains voltage		240V~/50Hz
Fuse Rating		T 3.15A/250V
Power consumption		500W Max
Dimensions (W x D x H)mm		482 x 362 x 98
Net Weight (Kg.)		13.5

ZA 800

Multi Input Stereo Mixer - Amplifier

The Studiomaster Professional ZA 800 is a professional multi input stereo mixer-amplifier rated to deliver 2 x 250W (4Ω) or 2 x 165W (8Ω). Featuring built-in USB/SD/MMC MP3 media player & recorder with Bluetooth & FM, multiple inputs and outputs, abundant routing options, VOX priority and more, the all-in-one system is ideal for a wide range of install, PA, BGM and other versatile sound reinforcement applications.



MEDIA PLAYER

USB UNIVERSAL SERIAL BUS SD MP3 Playback REC Recording Bluetooth

USB/SD MP3 Media Player + Recorder & Bluetooth

POWER OUTPUT

(TRUE RMS)

4Ω 2 x 250W

8Ω 2 x 165W

INPUTS & OUTPUTS

- PAGING MIC SYSTEM**
¼" Mic Input with VOX Priority
- STEREO LINE INPUTS**
¼" Stereo Line Input
- BACKGROUND MUSIC**
2 x Stereo RCA Line Inputs
- LINE OUTPUTS**
Connect Booster Amp or Subwoofer
- SPEAKER CONNECTORS**
Secure Screw Type Speaker Terminals

CONTROL & ROUTING

- LEVEL CONTROLS**
Individual Mic/Line/BGM Level Controls
- SOURCE ROUTING**
Quick Music Source Selection
- STONE CONTROL**
2-Band Master EQ
- MASTER CONTROL**
Individual L/R Master Level Control

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 08	ARC 20	ARC 22
Type	Ceiling Mount	Ceiling Mount	Ceiling Mount	Wall Mount	Wall Mount
Speaker Units	5" woofer	6" woofer	8" woofer	3" woofer & 1" tweeter	4" coaxial
Rated Power	6W	6W	15W	20W	20W
Power Tap Selection	6W / 3W	6W / 3W	15W / 7.5W	20W / 10W / 5W / 2.5W, 8Ω	10W / 20W / 16Ω
Frequency Response	125Hz-16kHz	100Hz-15kHz	125Hz-13kHz	90Hz-20kHz	95Hz-20kHz
Input Voltage (Max)	100V	100V	100V	100V	100V
Sensitivity	91 ± 3dB (1W, 1M)	93 ± 3dB (1W, 1M)	90 ± 3dB (1W, 1M)	85 ± 3dB (1W, 1M)	85 ± 3dB (1W, 1M)
Cabinet Material	ABS	ABS	ABS	ABS	ABS
Dimensions (W x D x H) mm	239 x 269 x 121	Ø188 x 76	Ø226 x 90	112 x 122 x 193	128 x 128 x 131
Net Weight (Kg)	0.9	0.7	0.85	1.5	1.35
Colour	White	White	White	Black	Black



					
Technical Specifications	ARC 32	ARC 40	ARC 60	ARC 90	ARC G1
Type	Wall Mount	Wall Mount	Wall Mount	Wall Mount	Ground Mount
Speaker Units	4" woofer & 1" tweeter	6" woofer and 1" tweeter			
Rated Power	30W	40W	60W	90W	30W
Power Tap Selection	30W / 15W / 7.5W / 3.75W / 1.9W, 8Ω	40W / 20W / 10W / 5W, 8Ω	60W / 30W / 15W / 7.5W, 8Ω	90W / 45W / 22.5W / 11.25W, 8Ω	15W / 30W
Frequency Response	100Hz-20kHz	900Hz-20kHz	80Hz-20kHz	80Hz-20kHz	130Hz-10kHz
Input Voltage (Max)	100V/70V	100V/70V	100V	100V	100V
Sensitivity	88 ± 3dB (1W, 1M)	87 ± 3dB (1W, 1M)	91 ± 3dB (1W, 1M)	91 ± 3dB (1W, 1M)	85dB
Cabinet Material	ABS	ABS	ABS	ABS	ABS
Dimensions (W x D x H) mm	148 x 172 x 250	195 x 213 x 310	213 x 218 x 311	208 x 213 x 310	Ø240*340H mm
Net Weight (Kg)	2.5	3.7	4.4	5.2	4.7
Colour	Black	Black	Black	Black	Green

ARC 55 OD

Wall Mount Outdoor Speaker



- High quality weatherproof wall mounting speaker for both indoor & outdoor applications.
- **IP66 rating for high dust & splash resistance.**
- High-quality weather-resistant ABS enclosure.
- Built-in power tap selection switch.
- Clear sound reproduction.
- **Supplied with rust-proof and abuse-resistant glass fibre mounting brackets for secured long-term installation.**

Technical Specifications	ARC 55 OD
Speaker Type	Wallmount Outdoor Speaker
Speaker Units	6.5" Woofer & 1" Dome HF Driver
Rated Power	50W
Power Tap Selection	50W / 25W/ 12.5W/ 6.25W / 3.1W, 8Ω
Frequency Response	70Hz-18kHz; ±3dB
Input Voltage (Max)	100V
Sensitivity	90dB
Cabinet Material	ABS
IP Rating	IP66
Dimensions (W x D x H)mm	209 x 185 x 294
Net Weight (Kg)	3.6

Clio 64 & Clio 84

Compact Active Speakers



- High-performance 2-way Bi-Amplified design active loudspeakers.
- Driven by an efficient class D amplifier.
- Integrates powerful LF & HF drivers to deliver
- High SPL and a wide dispersion area.
- Easy DSP sound presets (flat / speech / music / live / club).
- XLR line out for linking additional speakers.
- Built-in soft clip limiter for speaker protection.
- Integrated stand mounting socket.
- Durable plastic moulded enclosure with a wood grain finish.

Technical Specifications	Clio 64	Clio 84
Type	Active Speaker	
Power Output - RMS / Peak (Watts)	150 / 300	200 / 400
Amplifier Type	Class D DSP	
Frequency Response	45Hz-20kHz ±3dB	40Hz-20kHz ±3dB
Max SPL (dB)	116dB	121
LF Driver Size	1 x 6" woofer with 1.2" voice coil	1 x 8" LF, 2" VC
HF Driver Size	1" exit with 1" voice coil	1" exit, 1.35" VC
Input Connector	1 X Stereo RCA, 1 x XLR-Jack (line) & 1 x Switchable XLR-Jack (mic/line)	1 x Stereo RCA, 1 x Jack (line) & 1 x Switchable XLR-Jack (mic/line)
Output Connector	Balanced XLR (M)	
Dimension (W x D x H) mm	230 x 200 x 350	280 x 240 x 435
Net Weight (Kg)	5	9

FLEX Series

Gooseneck Microphones

Flex 1 21" Gooseneck Microphone with Base



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

Technical Specifications	Flex 1
Type	Electret Condenser
Frequency Response	50Hz-17kHz
Polar Pattern	Cardioid
Sensitivity	-43dB
Impedance	70 Ω
Connector	XLR
Power Requirement	+48V Phantom Power / 2 x 1.5V AAA Batteries

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 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

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

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

SM 650XLR Wired Microphone

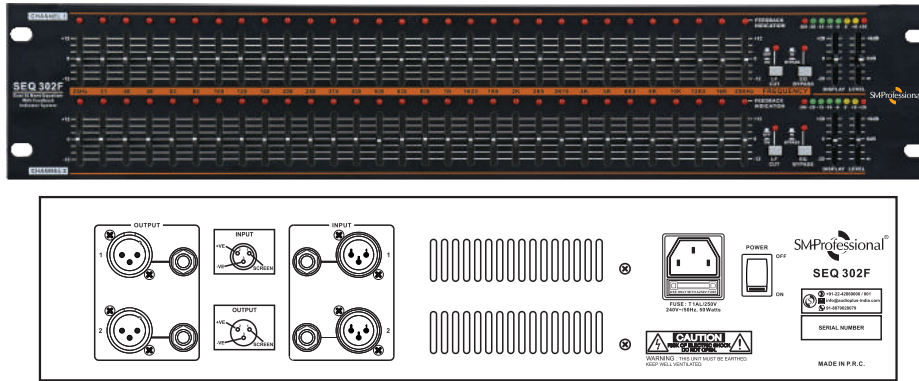


- Cardioid pickup pattern ensure excellent on-axis pickup.
- Designed for higher gain and less feedback.
- Natural and fuller tone.
- Suspended cartridge shock-mount system minimizes handling noise.
- Low-failure magnetic On-Off switch.
- Rugged body & dent-proof steel grill that withstands physical shocks.
- Ideal microphone for vocals, choirs, instruments, speech programs and various PA applications.

Technical Specifications	SM 650 XLR
Type	Dynamic
Frequency Response	30Hz-17kHz
Polar Pattern	Cardioid
Sensitivity (at 1kHz)	-49dB ±3dB
Nominal Impedance	300 Ω
Connector	3-pin XLR male
Accessories Included	6.5M XLR mic cable, leatherette pouch, mic holder, plastic case
Colour Available	Black / Silver

SEQ 302F - For Feedback Detection

Dual 30-Band Graphic Equalizer



- Professional dual 30-band stereo graphic equalizer with **feedback detection system** and a constant Q factor.
- **LEDs instantly reveal critical feedback frequencies.**
- Range setting switchable between $\pm 12\text{dB}$.
- Durable & accurate 20mm faders.
- Low frequency cut and EQ bypass switches.
- Balanced XLR and unbalanced $\frac{1}{4}$ " input and output connectors.
- LF Cut & bypass Switches.

Technical Specifications	SEQ 302F	SEQ 312
Input Impedance	Balanced 12.7K Ω	Balanced 20 K Ω
Output Impedance	Balanced 600 Ω	Balanced 600 Ω
Input Output Connectors	XLR and TRS	XLR and TRS
Frequency Response	20Hz-20kHz	20Hz-20kHz
EQ Center Frequency	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	$\pm 12\text{dB}$	$\pm 12\text{dB}$
Subwoofer Frequency	63Hz-315Hz	63Hz-315Hz
Low Cut	-3dB@63Hz	-3dB@63Hz
Signal to Noise Ratio	>90dB	
THD	0.01%	
Dimensions (W x D x H) mm	485 x 170 x 90 (2U)	482 x 145 x 88 (2U)
Net Weight (Kg)	3.15	2.9

SVC Stabilizers



Automatic Servo Voltage Stabilizers
Designed for Audio Equipment



Light Load

SVC S1000
1KVA / 1000W

SVC S2000
2KVA / 2000W

SVC S3000
3KVA / 3000W

Medium Load

SVC S5000
5KVA / 5000W

SVC S8000
8KVA / 8000W

Heavy Load

SVC S10000
10KVA / 10000W

SVC S12000
12KVA / 12000W

SVC S15000
15KVA / 15000W

Technical Specifications	SVC S1000	SVC S2000	SVC S3000	SVC S5000	SVC S8000	SVC S10000	SVC S12000	SVC S15000
Dimensions (L x W x H) mm	225 x 215 x 125	315 x 260 x 160	315 x 260 x 160	425 x 380 x 160	425 x 380 x 190	425 x 380 x 190	425 x 380 x 190	425 x 380 x 210
Net Weight (Kg)	5	8.5	11.1	16.3	23.9	26.3	27.6	29.8

PRESTIGIOUS INSTALLATIONS



**Sree Chitra Tirunal Institute for
Medical Sciences & Technology
Thiruvananthapuram, Kerala**



**Mattannur Municipality,
Kannur, Kerala**



**South Western Railway Office,
Hubballi, Karnataka**



**Chotanagpur Law College,
Ranchi, Jharkhand**



**Jindal Saw Ltd.,
Kutch, Gujarat**



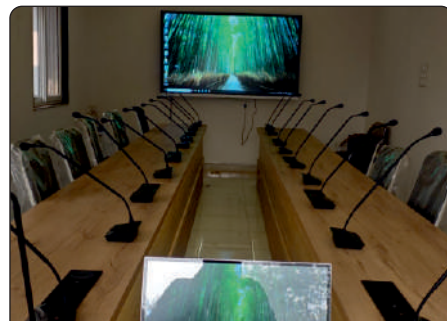
**Sarala Birla University,
Ranchi, Jharkhand**



**Ordinance Factory,
Hyderabad**



**E D Office,
Ernakulam, Kerala**



**Gorakhpur Railway Work shop,
Gorakhpur, Uttar Pradesh**



**Forensic Department,
Hyderabad**



**State Bank of India,
Pune, Maharashtra**



**Sambalpur Municipality,
Odisha**