

Passive Speakers & Line Array Systems

Fire Series High-Performance Passive Loudspeakers

MODEL	Fire 21	Fire 41	Fire 51	Fire 45
Type	2-Way Monitor Speaker	2-Way Speaker	2-Way Speaker	2-Way Speaker
Power Output - (RMS / Peak) Watts	350 / 700	500 / 1000	500 / 1000	900 / 1800
Freq. Response (Hz)	65-18000	40-20000	40-20000	45-20000
Impedance (Ω)	8	8	8	4
Sensitivity (dB)	98	97	98	97
Max SPL (dB)	129	130	131	131
LF Driver Size	12" LF, 4" VC	15" LF, 3" VC	15" LF, 4" VC	2 x 15" LF, 3" VC
HF Driver Size	1" exit, 1.75" VC	1" exit, 2" VC	1" exit, 1.75" VC	1" exit, 2" VC

MODEL	Fire 55	Fire 57	Fire 59
Type	2-Way Speaker	2-Way Speaker	2-Way Speaker
Power Output - (RMS / Peak) Watts	1000 / 2000	1300 / 2600	1700 / 3400
Freq. Response (Hz)	30-20000	40-18000	40-20000
Impedance (Ω)	4	4	4
Sensitivity (dB)	97	96	101
Max SPL (dB)	132	133	134
LF Driver Size	1 x 18" LF, 5" in/out VC	2 x 18" LF, 4" VC	2 x 15" LF, 4" VC
HF Driver Size	1" exit, 1.75" VC	2" exit, 3" VC	2" exit, 3" VC

• Paint finish wooden cabinet.

Fire Series High-Performance Passive Subwoofers

MODEL	Fire 80	Fire 84	Fire 86	Fire 85	Fire 87
Type	Subwoofer	Dual Subwoofer	Dual Subwoofer	Scoop Subwoofer	Scoop Subwoofer
Power Output (RMS / Peak) Watts	1400 / 2800	2000 / 4000	2800 / 5600	1400 / 2800	2000 / 4000
Freq. Response (Hz)	40-500	30-2000	40-500	40Hz-500	40-120
Impedance (Ω)	8	4	4	8	8
Sensitivity (dB)	97	99	97	96	96
Max SPL (dB)	129	134	137	128	130
LF Driver Size	1 x 18" LF, 5" in/out VC	2 x 18" LF, 4" VC	2 x 18" LF, 5" in/out VC	1 x 18" LF, 5" VC	1 x 18" LF, 6" in/out VC

• Paint finish wooden cabinet.

Fire 90 High-Performance Passive Line Array System

MODEL	Fire 90
Type	2-Way Speaker
Power Output - (RMS/Peak)	600 Watts / 1200 Watts
Frequency Response (Hz)	40-20000
Impedance (Ω)	8
Sensitivity (1w@1m)	98dB LF / 100dB HF
Max SPL (dB)	128
LF Driver Size	1 x 12" LF, 4" VC
HF Driver Size	1 x 2" exit, 3" VC
Input Connector	2 x Speakon

• Coverage: 120° x 9° (HxV).
• Constant Curvature waveguide.
System Consists Of:
• Line array module • Fly bar

Fire 92 v2.0 High-Performance Passive Line Array System

MODEL	Fire 92 v2.0
Type	2-Way Speaker
Power Output - (RMS/Peak)	1100 Watts / 2200 Watts
Frequency Response (Hz)	80-18000
Impedance (Ω)	8
Sensitivity (1w@1m)	98dB LF / 100dB HF
Max SPL (dB)	133
LF Driver Size	2 x 12" LF, 4" in/out VC
HF Driver Size	2 x 2" exit, 1.75" VC
Input Connector	2 x Speakon

• HF throw selection switch.
• Coverage: 120° x 9° (HxV).
• Constant Curvature waveguide.
System Consists Of:
• Line array module • Fly bar

Clio K Series Passive Loudspeakers

MODEL	Clio K08	Clio K12	Clio K15
Type	2-Way Speaker	2-Way Speaker	2-Way Speaker
Power Output - (RMS / Peak) Watts	250 / 500	350 / 700	500 / 1000
Freq. Response (Hz)	50-20000	45-20000	45-20000
Impedance (Ω)	8	8	8
Sensitivity (dB)	94	96	97
Max SPL (dB)	121	124	130
LF Driver Size	8" LF, 2" VC	12" LF, 2.5" VC	15" LF, 3" VC
HF Driver Size	1" exit, 1.35" VC	1" exit, 1.75" VC	1" exit, 1.75" VC
Connectors	2 x Speakon	2 x Speakon	2 x Speakon

• Plastic moulded cabinet with a wood grain finish.

Active Speakers & Portable PA Active Speakers

Clio Series 2-Way Bi-Amplified Active Loudspeakers

MODEL	Clio 84	Clio 124	Clio 154	Clio 156
Power Output (RMS/Peak) Watts	200 / 400	325 / 650	500 / 800	500 / 1000
Freq. Response (Hz)	40-20000	45-19000	40-20000	40-20000
Max SPL (dB)	121	123	127	133
LF Driver Size	8" LF, 2" VC	12" LF, 2.5" VC	15" LF, 3" VC	15" LF, 3" VC
HF Driver Size	1" exit, 1.35" VC	1" exit, 1.75" VC	1" exit, 1.75" VC	1" exit, 1.75" VC
Input Connector	1 x Stereo RCA, 1 Jack (line) and 1 Switchable XLR-Jack (mic/line)	1 x Stereo RCA, 1 x XLR-Jack (line) and 1 Switchable XLR-Jack (mic/line)	1 x Stereo RCA, 1 x XLR-Jack (line) and 1 Switchable XLR-Jack (mic/line)	1 x Stereo RCA, 1 x XLR-Jack (line) and 1 Switchable XLR-Jack (mic/line)
Output Connector	Balanced XLR (M)	Balanced XLR (M)	Balanced XLR (M)	Balanced XLR (M)

• Efficient class D amplifier.
• Easy DSP sound presets (flat / speech / music / live / club).
• USB/SD card MP3 media player with Bluetooth.
• Easy DSP sound presets (flat / speech / music / live / club).
• True Wireless Stereo (TWS) for pairing two units.
• MB points for secured suspended mounting.

Clio 158 2-Way Bi-Amplified Active Loudspeaker

MODEL	Clio 158
Power Output (RMS/Peak) Watts	600 / 1200
Freq. Response (Hz)	45-20000
Max SPL (dB)	131
LF Driver Size	15" LF, 3" VC
HF Driver Size	1" exit, 1.75" VC
Input Connector	2 x XLR-Jack (mic & mic/line), Aux (3.5mm)
Output Connector	Balanced XLR (M)

• DSP & EQ Preset Editor PC App
• High & low pass filters.
• Crossover & slope selection & limiter.
• Edit & write custom presets.

Clio 257 Dual 15" Active Loudspeaker

MODEL	Clio 257
Power Output (RMS/Peak) Watts	700 / 1400
Freq. Res. (Hz)	45-19000
Max SPL (dB)	132
LF Driver Size	2 x 15" LF, 3" VC
HF Driver Size	1" exit, 1.75" VC
Input Connector	1 x Stereo RCA, 1 x XLR-Jack (line) & 1 x Switchable XLR-Jack (mic/line)
Output Connector	Balanced XLR (M)

• High power output.
• Efficient class D amplifier.
• Easy DSP sound presets (flat / speech / music / live / club).
• USB/SD card MP3 media player with Bluetooth.
• True Wireless Stereo (TWS) for pairing two units.
• Ergonomically-shaped 3 handles & castor wheels for easy transportation.

B Series 2-Way Bi-Amplified Active Loudspeaker

MODEL	B 400V2
Power Output (RMS/Peak) Watts	275 / 550
Freq. Res. (Hz)	60-18000
Max SPL (dB)	125
LF Driver Size	12" LF, 2" VC
HF Driver Size	1" exit, 1.35" VC
Input Connector	XLR / Jack
Output Connector	Jack

• Ultra-compact active subwoofer with high excursion LF drivers.
• Powered by a high-efficiency and powerful class H amplifier.
• 2 switchable combo XLR-Jack inputs.
• 3 sub-crossover frequency selections: 80Hz-100Hz-120Hz (24dB/oct).
• Paint finish wooden cabinet.

Clio S Series Multi-Port Active Subwoofers

MODEL	Clio 10S	Clio 12S	Clio 15S
Power Output (RMS/Peak) Watts	250 / 500	400 / 800	800 / 1600
Freq. Res. (Hz)	50-200	40-150	40-120
Max SPL (dB)	123	127	133
LF Driver Size	10" LF, 2" VC	12" LF, 2.5" VC	15" LF, 3" VC
Input Connector	1 x Combo	2 x Combo XLR-Jack	2 x XLR Parallel, 2 x XLR X-Over
Output Connector	1 x XLR	2 x XLR Parallel, 2 x XLR X-Over	2 x XLR X-Over

• Ultra-compact active subwoofer with high excursion LF drivers.
• Powered by a high-efficiency and powerful class H amplifier.
• 2 switchable combo XLR-Jack inputs.
• 3 sub-crossover frequency selections: 80Hz-100Hz-120Hz (24dB/oct).
• Paint finish wooden cabinet.

Muse 61 Portable PA Active Speaker

MODEL	Muse 61
Power Output	15W
Wireless MIC Supplied!	Yes
Rechargeable Battery	Yes
Media Player, Recorder	Yes
True Wireless Stereo Pairing	Yes

• 2 x 1" MIC Input
• 3.5mm EP Aux In
• MIC/Vox Priority
• Echo EFX
• Built-in Recorder
• 480mAh Battery
• 15W DC Charging Adapter
• 12V Car Bolt Operation

Muse 81 Portable PA Active Trolley Speaker

MODEL	Muse 81
Power Output	30W
Wireless MIC Supplied!	Yes
Rechargeable Battery	Yes
Media Player, Recorder	Yes
True Wireless Stereo Pairing	Yes

• 1 MIC / 2 LINE Input
• 3.5mm EP Aux In
• MIC/Vox Priority
• Echo EFX
• Built-in Recorder
• 480mAh Battery
• 15W DC Charging Adapter
• 12V Car Bolt Operation

Muse 101 Portable PA Active Trolley Speaker

MODEL	Muse 101
Power Output	50W
Dual Wireless MIC Supplied!	Yes
Rechargeable Battery	Yes
Media Player, Recorder	Yes
True Wireless Stereo Pairing	Yes

• 2 MIC / 2 LINE Input
• 3.5mm EP Aux In
• MIC/Vox Priority
• Echo EFX
• Built-in Recorder
• 780mAh Battery
• 15W DC Charging Adapter
• 12V Car Bolt Operation

Portable PA Active Speaker

Muse 822 Portable Trolley Party Speaker

MODEL	Muse 822
Power Output	100W
Dual UHF Wireless MICs	Yes
Rechargeable Battery	Yes
Media Player, Recorder	Yes
True Wireless Stereo Pairing	Yes

• 1 MIC / 2 LINE Input
• 3.5mm EP Aux In
• MIC/Vox Priority
• Echo EFX
• Built-in Recorder
• 480mAh Battery
• 15W DC Charging Adapter
• 12V Car Bolt Operation

Muse Mic LHM - 100 Accessories Pack for Muse Series Speakers

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

Transducers / Passive Crossovers

Titan Series Premium Transducers

MODEL	TWF 2115	TWF 1815	TWF 1810	TWF 1580	TMB 1570	TMB 1555	THF 0208
Type	21" Subwoofer	18" Subwoofer	15" Woofer	15" Woofer	15" Mid-Bass	15" Mid-Bass	HF - 2" exit
Power Output (RMS / Peak) Watts	1500 W	1500 W	1000 W	800 W	700 W	550 W	80 W
Freq. Response (Hz)	30-2000	30-2000	33-3000	45-3000	40-3000	49-3000	1000-20000
Voice Coil Diameter	5"	5"	4"	4"	4"	4"	2"

S Series High-Performance Transducers

MODEL	SWF 18200	SWF 18140	SWF 18120	SWF 18100	SWF 1580	SWF 1580	SWF 1560	SMB 1565
Type	18" Subwoofer	18" Subwoofer	12" Woofer	12" Woofer	12" Woofer	12" Woofer	15" Woofer	15" Mid-Bass
Power Output (RMS / Peak) Watts	2000 / 4000	1400 / 2800	1200 / 2400	1000 / 2000	800 / 1600	800 / 1600	600 / 1200	650 / 1300
Freq. Response (Hz)	40-1200	40-1800	30-2000	30-2000	30-2000	40-1800	40-3500	40-5000
Voice Coil Diameter	6"	5"	5"	4"	4"	4"	4"	4"

MODEL	SMB 1545	SMB 1530	SMB 1250	SMB 1230	SMB 1220	SHF 0210	SHF 0106	SHF 0104
Type	15" Mid-Bass	12" Mid-Bass	12" Mid-Bass	12" Mid-Bass	12" Mid-Bass	HF - 2" exit	HF - 1" exit	HF - 1" exit
Power Output (RMS / Peak) Watts	450 / 900	300 / 600	500 / 1000	300 / 600	200 / 400	100 / 200	60 / 120	40 / 80
Freq. Response (Hz)	40-3500	40-3500	55-3500	45-4000	50-5500	500-18000	1200-20000	1.75"
Voice Coil Diameter	4"	3"	4"	4"	2"	2.84"		

V Series High Performance Transducers

MODEL	V-26M	V-27 NEO	V-58M	V-59M	V-60M	V-12H
Type	12" Mid-Bass	12" Mid-Bass	12" Mid-Bass	15" Mid-Bass	15" Mid-Bass	HF - 1" exit
Power Output (RMS / Peak) Watts	300 / 600	350 / 700	400 / 800	500 / 1000	600 / 1200	120 / 240
Freq. Response (Hz)	57-3000	45-4000	45-4000	43-3200	43-2200	600-20000
Voice Coil Diameter	3"	3"	3"	3.4"	4"	2.84"

Rated impedance for all the above transducers: 8 Ω

Passive Crossovers : SM 118H (1500W, 8Ω) | SM 215 H (1300W, 4Ω)
SM 215K (1500W, 4Ω) | SM 215 (940W, 4Ω)

Installation Products

ARC Series Architectural Speakers

Model	ARC 06	ARC 07	ARC 08	ARC 20	ARC 22	ARC 32	ARC 40	ARC 60	ARC 90	ARC G1
Speaker Type	Ceiling Mount	Ceiling Mount	Ceiling Mount	Wall Mount	Wall Mount	Wall Mount	Wall Mount	Wall Mount	Wall Mount	Ground Mount
Speaker Units	5" Woofer	6" Woofer	8" Woofer	3" Woofer & 1" Tweeter	4" Coaxial	4" Woofer & 1" Tweeter	4" Woofer & 1" Tweeter	6" Woofer & 1" Tweeter	90W	3" woofer
Rated Power	6W	6W	15W	20W	20W	30W	40W	60	90W	30W
Power Tap Selection	6W/3W	6W/3W	15W/7.5W	20W/10W	10W/5W	30W/15W	40W/20W	60W/30W	90W/45W	15W / 30W
Colour	White	White	White	Black	Black	Black	Black	Black	Black	Green

• Standard adjustable brackets included in ARC 20, ARC 22, ARC 32, ARC 40 and ARC 90. • ARC 20 ships as pair.

ARC OD Series Wallmount Weatherproof Outdoor Speaker

MODEL	ARC 55 OD
Speaker Type	Wall Mount
Speaker Units	6.5" Woofer 1" Dome HF Driver
Rated Power	50W
Power Tap Selection	50W / 25W / 12.5W / 6.25W / 3.1W, 80
Frequency Response	70Hz-18KHz; ±3dB

• High quality weatherproof wall mounting.
• Speaker for both indoor & outdoor applications.
• IP65 rating for high dust & splash resistance.
• High-quality weather-resistant ABS enclosure.
• Built-in power tap selection switch.
• Clear sound reproduction.

Vak 10 Wired Conference System

MODEL	Vak 10.5 System Controller Unit
Power Output	10W
Frequency Response	50-20000
Max SPL (dB)	131
LF Driver Size	15" LF, 3" VC
HF Driver Size	1" exit, 1.75" VC
Input Connector	2 x XLR-Jack (mic & mic/line), Aux (3.5mm)
Output Connector	Balanced XLR (M)

• Supports 4 Chairman & 160 Delegate Units.
• Operating Modes: Manual, FIFO & LIFO, Automatic Fixed Time & Fully Voice Operated / Hands-Free.
• NOM (Number of Open Microphones) - Supports up to 8 active delegate units.
• On/Off talk switch
• Priority switch to override all delegate units on the Vak 10.c.

Vak 20 Automatic Conference Mixer

MODEL	Vak 20
Power Output	10W
Frequency Response	50-20000
Max SPL (dB)	131
LF Driver Size	15" LF, 3" VC
HF Driver Size	1" exit, 1.75" VC
Input Connector	2 x XLR-Jack (mic & mic/line), Aux (3.5mm)
Output Connector	Balanced XLR (M)

• 8 mic/line channels with combo XLR-Jack inputs to connect any microphone/source in conference mode.
• Delegate/Chairman, +48V phantom power supply & mic/line selectivity per channel.
• NOM (Number of Open Microphones) - Up to 6 active inputs.
• Logic out to control cameras/speakers.

Vak 30 Wireless Conference System

MODEL	Vak 30.5 System Controller Unit
Power Output	10W
Frequency Response	50-20000
Max SPL (dB)	131
LF Driver Size	15" LF, 3" VC
HF Driver Size	1" exit, 1.75" VC
Input Connector	2 x XLR-Jack (mic & mic/line), Aux (3.5mm)
Output Connector	Balanced XLR (M)

• Two operating modes: Chairman & FIFO.
• System supports up to 50 units.
• NOM (Number of Open Mics.) - Up to 3 active units.
• 20 UHF channels.
• Built-in MP3 recorder with USB storage.

Vak 40 Wireless Conference System with Camera Tracking & Digital Voting

MODEL	Vak 40.5 System Controller Unit
Power Output	10W
Frequency Response	50-20000
Max SPL (dB)	131
LF Driver Size	15" LF, 3" VC
HF Driver Size	1" exit, 1.75" VC
Input Connector	2 x XLR-Jack (mic & mic/line), Aux (3.5mm)
Output Connector	Balanced XLR (M)

• 4 operating modes: FIFO / LIFO / Limit / Chairman.
• System supports up to 200 units.
• NOM (Number of Open Mics.) - Up to 4 active units.
• 10 UHF channels.
• Built-in MP3 recorder with sequential file storage.
• User-friendly interface with responsive LCD touch screen.

ARC 120A and ARC 240A Mixer / Power Amplifiers

MODEL	ARC 120A	ARC 240A
Power Output: 10% THD	160W RMS	325W RMS
5% THD	150W RMS	300W RMS
1% THD	120W RMS	240W RMS
Max	200W	400W

• Speaker output: 70V / 100V / or 4Ω / 8Ω / 16Ω
• 4 balanced mic/line inputs (combo jacks).
• Switchable phantom power for Ch 1 mic input.
• Vox Priority on channel 1 overrides all other inputs when activated.
• 24V DC operation.
• Auxiliary line out to connect to a booster amplifier.

ARC 406Z 6 Channel Matrix Zone Amplifier

MODEL	ARC 406Z
Power Output: 10% THD	6 x 50W RMS
1% THD	6 x 50W RMS

• 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

Flex 3 21" Gooseneck Microphone with Base

MODEL	Flex 3 Set
Capsule Type	Electret Condenser
Frequency Response	30Hz-20KHz
Polar Pattern	Cardioid
Sensitivity	-36dB
Impedance	75 Ω
Connector	XLR
Power Requirement	+48V Phantom Power / 2 AAA Batteries

• Battery Operation

Flex 4 21" Gooseneck Microphone with Base

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

• Anti Mobile and RF interference technology (on Flex 4 only).

Wired Microphones

Economical			Best Value	
Model	SM 75XLR	SM 80XLR	SM 100XLR	SM 200XLR
				
Application	General Purpose	General Purpose	General Purpose	General Purpose
Transducer Type	Dynamic	Dynamic	Dynamic	Dynamic
Freq. Response	50Hz-15kHz	50Hz-15kHz	50Hz-11kHz	50Hz-11kHz
Polar Pattern	Cardioid	Cardioid	Cardioid	Cardioid
Sensitivity (at 1kHz)	-58dB ±3dB	-53dB ±3dB	-62dB ±3dB	-70dB ±3dB
Connector	3-pin XLR male	3-pin XLR male	3-pin XLR male	3-pin XLR male
Accessories Included	Mic holder, 4M XLR-F to jack cable, soft zipped storage pouch		6.5M XLR-jack cable, mic holder, plastic case	