SRM | V-Class
High-Performance Powered Loudspeaker Series

SRM | V-Class High-Performance Powered Loudspeakers are a whole new tier of SRM portable loudspeakers that aren't just made to get the job done, but to get it done better than anything else with unmatched clarity, output, and control packaged into sleek, rugged enclosures.

Robust 2000W amplifiers with our Advanced Impulse™ DSP tuning and Intelligent Bass Management™ deliver a consistent listening experience to your whole audience even at extreme volumes.

A built-in digital mixer with full-color display features Bluetooth® streaming and powerful processing plus complete wireless control via the SRM Connect™ app.

Experience the new definition of high-performance for DJs, clubs, HoW, rental, and beyond with SRM | V-Class.

APPLICATIONS:

Singer-songwriters, announcement PA, karaoke, clubs / cafés, houses of worship, schools, small restaurants, outdoor events / barbeques, banquet halls, conference rooms, boardrooms, and many, many more.

FEATURES:

■ **Industry-leading 2000W Class-D amplifiers**
- Our most advanced amplifier platform ever, delivering incredible stability, headroom, and audio fidelity
- Unrivaled reliability and rock-solid operation can withstand the most demanding applications
- Universal power supply (100-240VAC) with Power Factor Correction for stable operation even with unstable AC power

■ **Advanced Impulse™ DSP – Proprietary Acoustic Tuning**
- Crystal clear sound across the entire dispersion zone means the whole room is the sweet spot
- Precision crossover and transducer time-alignment ensures balanced and accurate sound

■ **Intelligent Bass Management™**
- Our proprietary LF management technology maintains tonal balance and output level when operating at very high volumes while keeping the bass tight and punchy

■ **Custom Sym-X™ Horn**
- Allows for total efficiency from the HF transducer minimizing distortion and increasing output
- Creates a perfectly symmetrical, flat response at the crossover point for exceptionally smooth midrange
- The horn-loading frequency is set below the drivers' LF capability allowing for maximum efficiency and optimal performance at the crossover point

■ **High-Performance Custom Transducers**
- Large, powerful magnets partner with robust motors, voice coils and spiders to provide the highest possible efficiency and transient accuracy
- Additional cooling vents surrounding the specially designed voice coil plus directional cabinet porting ensures maximum heat dispersion and reliability
- Premium polymer high-frequency driver provides the flattest possible response for incredibly smooth highs that sound natural and balanced

■ **Transparent System Limiting and Protection**
- Dedicated processing module monitors and protects the amplifier in real time
- Sound quality and tonal balance is maintained even under heavy limiting
- Utilizing powerful multi-band compression, the amplifier can target specific frequency ranges to prevent the system from being overloaded rather than turn everything down at the expense of overall output
- Input limiting keeps your source signal in check so if you're sending audio that's a bit too hot, the speaker will cool it down
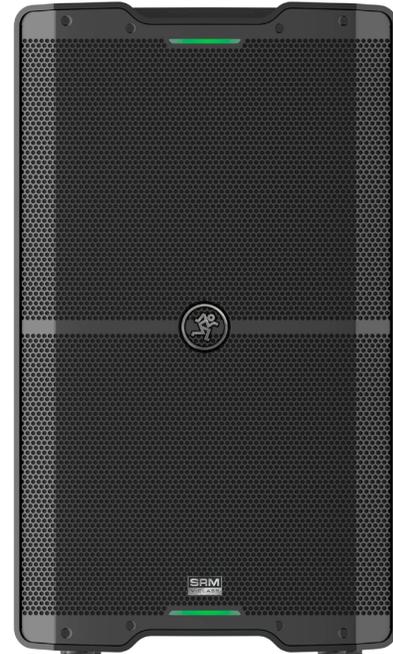
SRM | V-CLASS FEATURES CONTINUED...

- **SRM Mix Control™ Built-in 4-Channel Digital Mixer with Bluetooth®**
  - Dual independent channels that support mic, line, and instrument signals
  - Dedicated 1/8″ stereo aux channel
  - Stream music from any Bluetooth® enabled device
  - High-contrast full color display for easy single-knob access to mixer and processing
  - Adjust channel levels and EQ
  - Application and venue specific voicing modes
  - Alignment delay – up to 100 feet
  - Save and recall up to 10 user preset
  - Screensaver plus dimmer and contrast control
  - System lock with 4-digit passcode
  - Change front LED function: Green, white, off, signal present, multi (cycle through colors)

- **Complete Wireless Control via the SRM Connect™ App**
  - The SRM Connect™ app gives you access to all adjustments and settings including EQ, levels, and presets

- **Wirelessly link two SRM | V-Class speakers together for music streaming applications plus complete control over both speakers**
  - The latest Bluetooth technology allows up to 100 meters of range between linked speakers
  - Stereo or dual zone linking modes allows discrete control over the inputs and outputs of the entire system across two rooms or zones
  - Creates an incredibly clean setup in minutes

- **Versatile configuration options**
  - Dual-angled cabinet design allows for use as a high-performance floor monitor
  - Dual angle pole-mount provides optimal coverage and minimal reflections in most venues. The 7-degree downward tilt is perfect for when the speakers are on elevated stages
  - M10 flypoints for professional installation

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SRM | V-CLASS SPECIFICATIONS

Acoustic Performance

Frequency Response (–10 dB)	45 Hz – 20 kHz [SRM210]
	42 Hz – 20 kHz [SRM212]
	40 Hz – 20 kHz [SRM215]
Frequency Response (–3 dB)	55 Hz – 20 kHz [SRM210]
	50 Hz – 20 kHz [SRM212]
	44 Hz – 20 kHz [SRM215]
Horizontal Coverage	90°
Vertical Coverage	60°
Maximum SPL Peak	131 dB [SRM210]
	135 dB [SRM212]
	136 dB [SRM215]
Monitor Angle	45°

Transducers

Low Frequency	10 in / 254 mm [SRM210]
	12 in / 305 mm [SRM212]
	15 in / 381 mm [SRM215]
	with ferrite
High Frequency	1.4 in / 36 mm polymer compression driver

Power Amplifiers

System Power Amplification	
Rated Power	2000 watts peak
Low Frequency Power Amplifier	
Rated Power	1800 watts peak
Rated THD	<1%
Cooling	Convection
Design	Class D
High Frequency Power Amplifier	
Rated Power	200 watts peak
Rated THD	<1%
Cooling	Convection
Design	Class D

System Processing

Voicing	10 speaker modes [5 inside, 5 outside]
Subwoofer HPF	Off, DRM18S, Var
Input EQ	3-band
Delay	0 – 100 ms

Equalization

Low	±12 dB @ 80 Hz
Mid	±12 dB @ 2.5 kHz
High	±12 dB @ 5 kHz
HPF	20 Hz – 150 Hz (Var)

SRM | V-CLASS SPECIFICATIONS CONTINUED...

Input / Output

Input Type	2x Female XLR Balanced
	1/4″ Balanced
	1/8″ Stereo
Mic-Line Impedance	20 kΩ balanced
1/4″ Hi-Z Impedance	100 kΩ balanced
Direct Out and Mix Out	Male XLR Balanced
Mix Out Impedance	300 Ω balanced
Main Control	Rotating Knob

Bluetooth Information

Bluetooth Protocol	4.2
Bluetooth Function	Audio Streaming and User Interface Control
Bluetooth Class	Class 1

Electronic Crossover

Crossover Type	24 dB / octave
Crossover Frequency	2.0 kHz

Line Input Power

Detachable line cord	~100 – 240 VAC, 50 – 60 Hz, 110W
	~220 – 240 VAC, 50 – 60 Hz, 110W
AC Connector	3-Pin IEC 250 VAC, 10 A male
Power Supply Type	Switchmode

Safety Features

Input Protection	Peak and RMS limiting, power supply and amplifier thermal protection, overcurrent, over-voltage, dynamic thermal protections and forced air-cooling
Display LEDs	Defeatable front power, speaker control
Status Info	Input and output levels, voicing mode, sub HPF, EQ and delay settings

Construction Features

Basic Design	Asymmetrical
Enclosure Material	Black Polypropylene
Enclosure Finish	Light Black Texture
Grille Material	16-18 gauge perforated steel w/nylon net backing
Grille Finish	Powder-coated black
Handles	One [SRM210], two on each side and one partial on top [SRM212 and SRM215]
Display LEDs	
Front	Power / Signal
Rear	Speaker Control
Operating Temperature	0 – 40 °C
	32 – 104 °F

Physical Properties (product)

SRM210 | V-Class:

Height:	23.0 in / 584 mm
Width:	15.1 in / 384 mm
Depth:	12.9 in / 328 mm
Weight:	30.9 lb / 14.0 kg

SRM212 | V-Class:

Height:	25.9 in / 658 mm
Width:	15.2 in / 386 mm
Depth:	14.2 in / 361 mm
Weight:	40.6 lb / 18.4 kg

SRM215 | V-Class:

Height:	28.8 in / 732 mm
Width:	17.6 in / 447 mm
Depth:	15.4 in / 391 mm
Weight:	48.9 lb / 22.2 kg

SRM | V-CLASS SPECIFICATIONS CONTINUED...

Physical Properties (packaged product)

SRM210 | V-Class:

Height:	27.2 in / 691 mm
Width:	17.7 in / 450 mm
Depth:	16.5 in / 419 mm
Weight:	36.4 lb / 16.5 kg

SRM212 | V-Class:

Height:	29.9 in / 759 mm
Width:	18.1 in / 460 mm
Depth:	17.7 in / 450 mm
Weight:	47.2 lb / 21.4 kg

SRM215 | V-Class:

Height:	32.3 in / 820 mm
Width:	20.5 in / 521 mm
Depth:	18.9 in / 480 mm
Weight:	55.8 lb / 25.3 kg

Options

SRM210	V-Class Cover	P/N 2036809-54
SRM212	V-Class Cover	P/N 2036809-55
SRM215	V-Class Cover	P/N 2036809-56
SRM210	V-Class Rolling Bag	P/N 2036809-57
SRM212	V-Class Rolling Bag	P/N 2036809-58
SRM215	V-Class Rolling Bag	P/N 2036809-59
T100 Loudspeaker Tripod Stand	P/N 2052464
SPM400 Loudspeaker Pole Mount	P/N 2051055
PA-A2 Eyebolt Kit	P/N 2051054

Ordering Information

SRM210|V-Class - 10" 2000W High-Performance Powered Loudspeaker

P/N 2050960-00 (US)
P/N 2050960-01 (EU)
P/N 2050960-03 (UK)
P/N 2050960-04 (AU)
P/N 2050960-05 (CN)
P/N 2050960-06 (BZ ~120V)
P/N 2050960-07 (AR)
P/N 2050960-08 (KR)

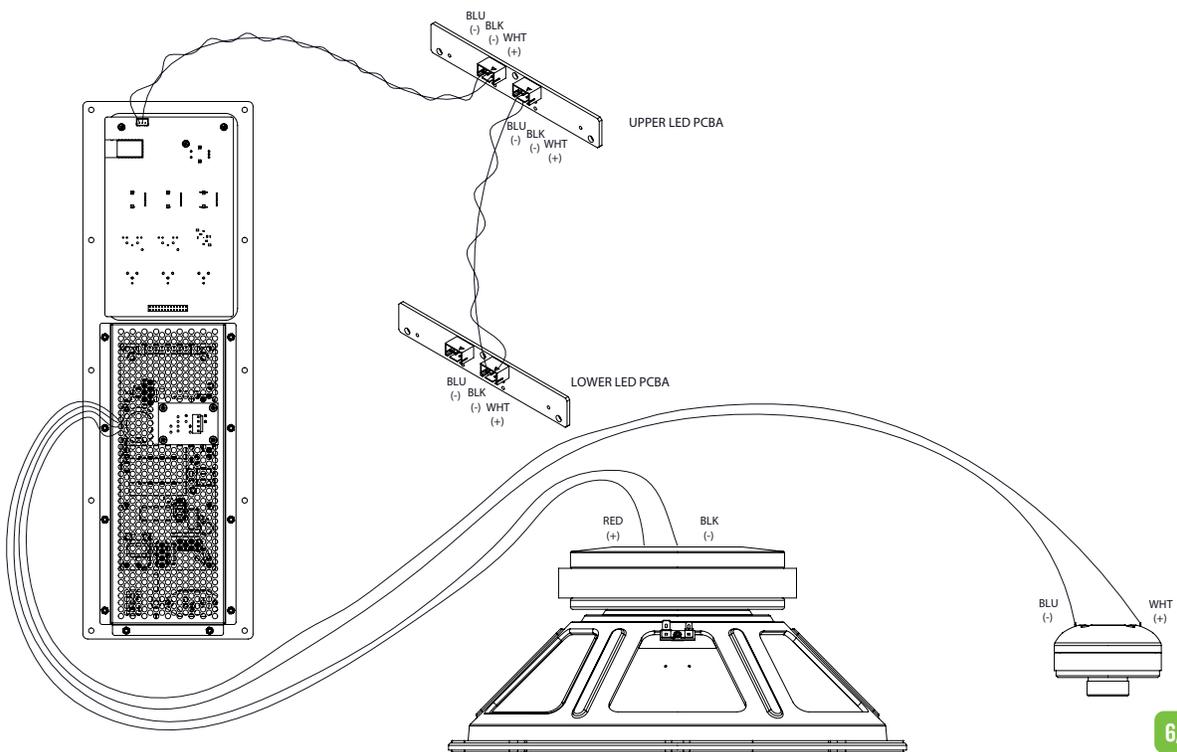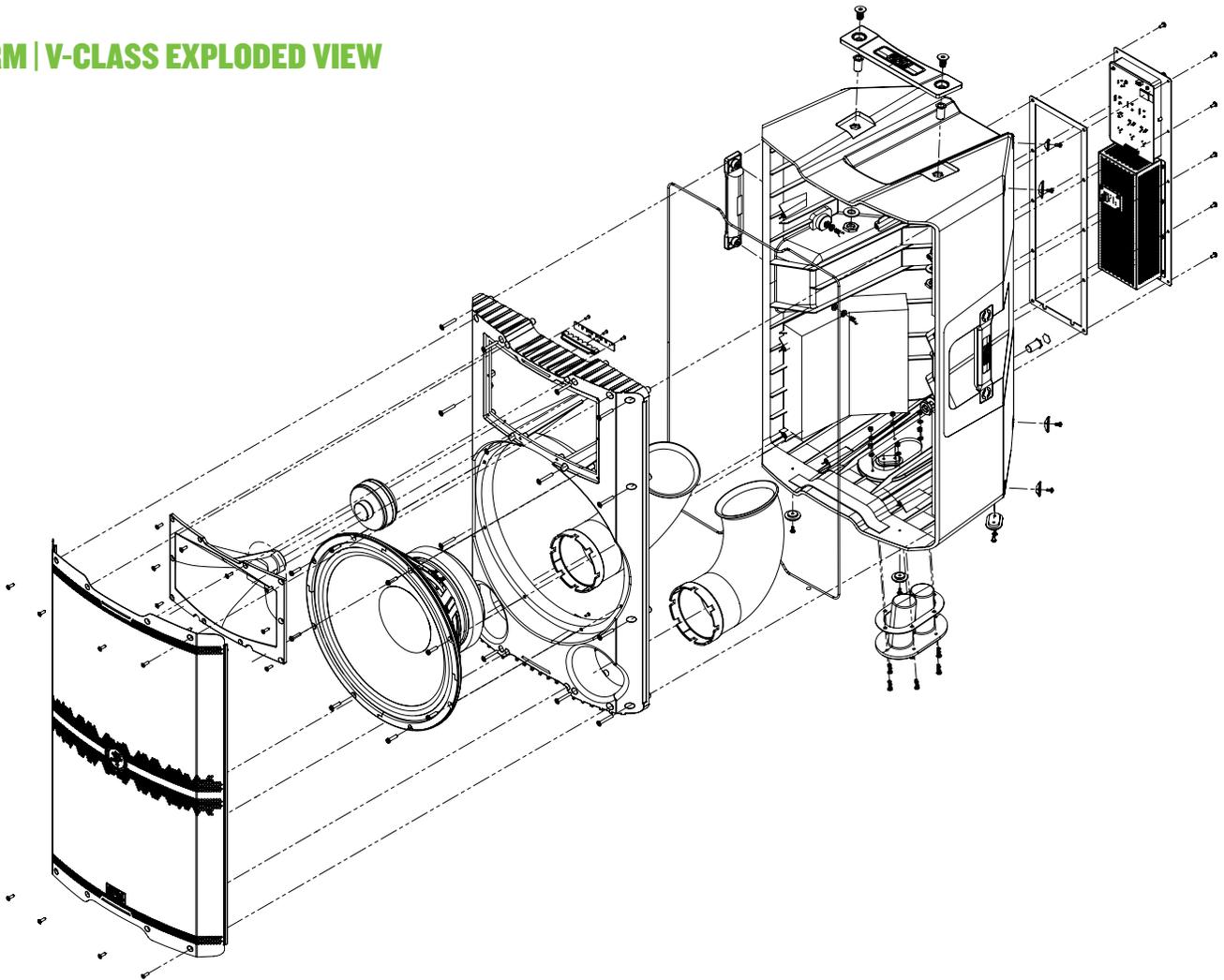**SRM212|V-Class - 12" 2000W High-Performance Powered Loudspeaker**

P/N 2050940-00 (US)
P/N 2050940-01 (EU)
P/N 2050940-03 (UK)
P/N 2050940-04 (AU)
P/N 2050940-05 (CN)
P/N 2050940-06 (BZ ~120V)
P/N 2050940-07 (AR)
P/N 2050940-08 (KR)

SRM215|V-Class - 15" 2000W High-Performance Powered Loudspeaker

P/N 2050930-00 (US)
P/N 2050930-01 (EU)
P/N 2050930-03 (UK)
P/N 2050930-04 (AU)
P/N 2050930-05 (CN)
P/N 2050930-06 (BZ ~120V)
P/N 2050930-07 (AR)
P/N 2050930-08 (KR)

SRM | V-CLASS DIMENSIONS

WEIGHT
30.9 lb
14.0 kg

23.0 in
584 mm

15.1 in
384 mm

12.9 in
328 mm

SRM210 | V-CLASS

WEIGHT
40.6 lb
18.4 kg

25.9 in
658 mm

15.2 in
386 mm

14.2 in
361 mm

SRM212 | V-CLASS

WEIGHT
48.9 lb
22.2 kg

28.8 in
732 mm

17.6 in
447 mm

15.4 in
391 mm
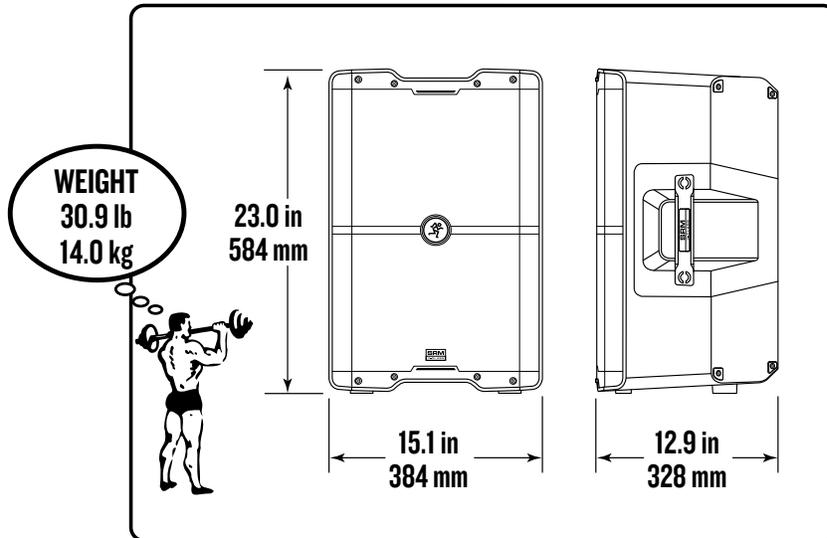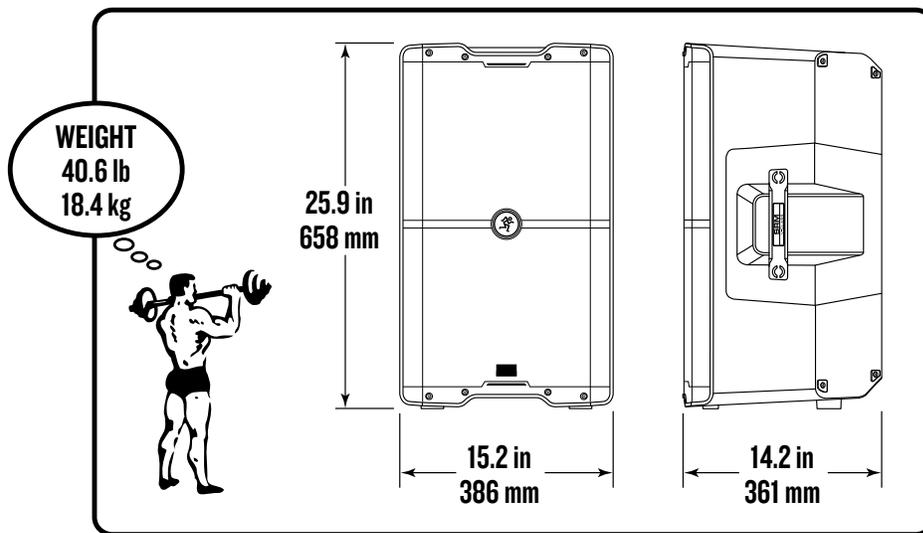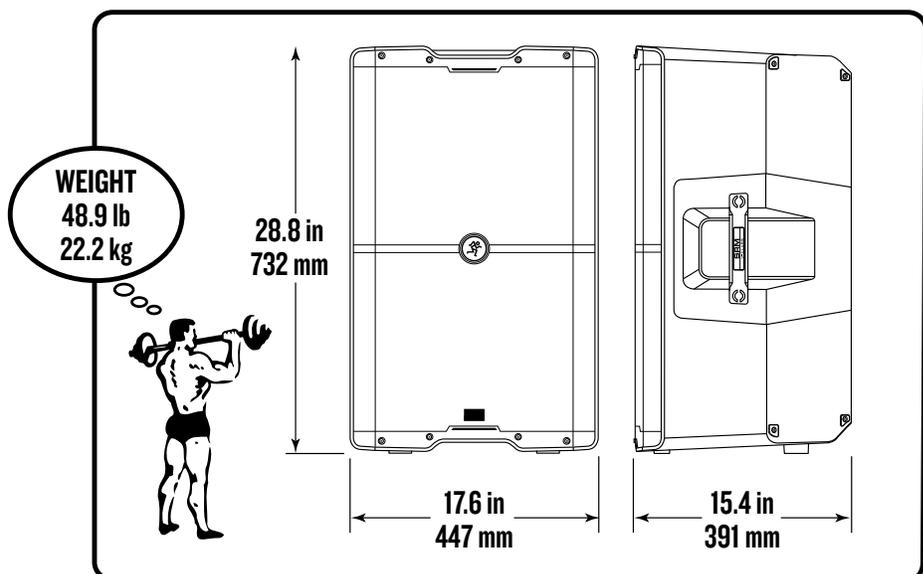
SRM215 | V-CLASS

SRM | V-CLASS BLOCK DIAGRAM - SRM MIX CONTROL™
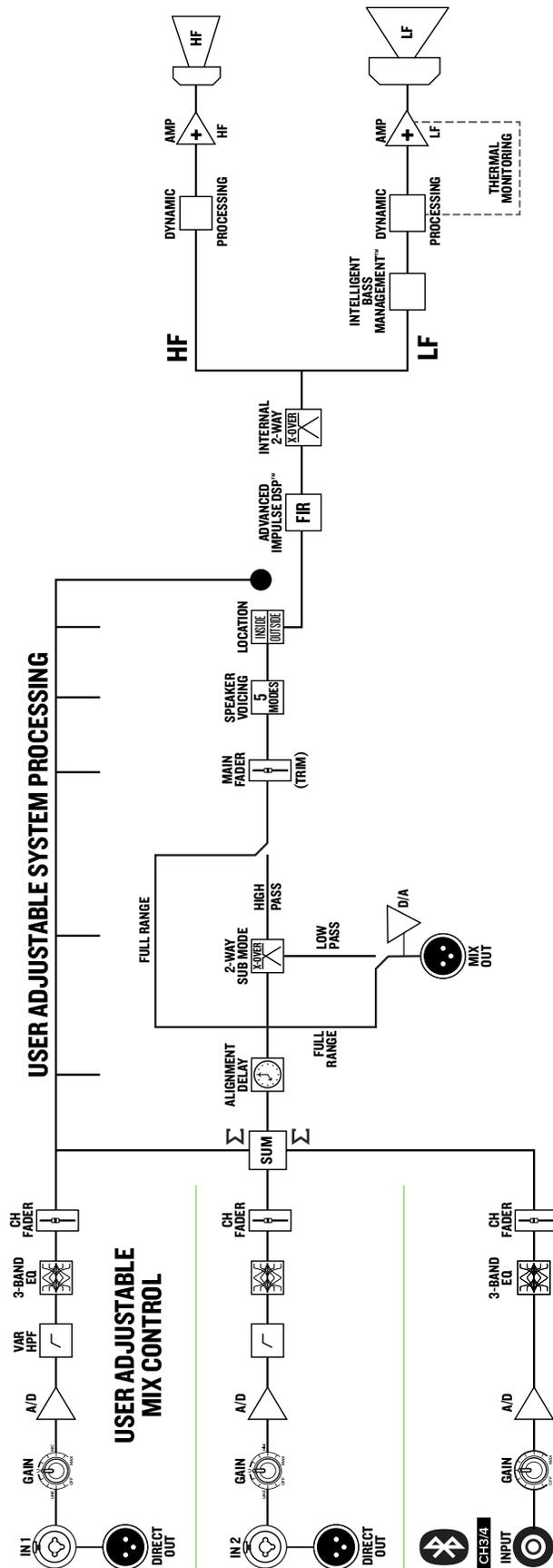
SRM | V-CLASS EXPLODED VIEW

BLU (-)
BLK (-)
WHT (+)

UPPER LED PCBA

BLU (-)
BLK (-)
WHT (+)

BLU (-)
BLK (-)
WHT (+)

LOWER LED PCBA

RED (+)

BLK (-)

BLU (-)

WHT (+)

SRM | V-CLASS FREQUENCY RESPONSE LEGEND & GRAPHS

FLAT Voicing Mode – No question about this speaker mode; it's flat! This plug-and-play mode is perfect for singer-songwriters and listening to mastered music.

LIVE Voicing Mode – This mode features a low frequency roll-off to get rid of unwanted thumps and adds boost and sparkle to mid-range and high frequencies.

SPEECH Voicing Mode – This mode features a significant low frequency roll-off to get rid of unwanted thumps. It also adds boost and sparkle to mid-range and high frequencies, critical for speech applications. Lastly, a compressor has been added to help control spoken audio levels. This plug-and-play mode is perfect for larger venue applications where speech is the primary audio source in need of clear and precise intelligibility.

CLUB Voicing Mode – This mode is full range, but focuses on increased bass and brilliant high frequencies. This is the place to start for most DJ / music playback applications.
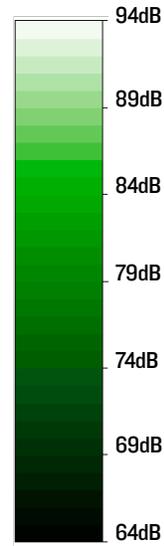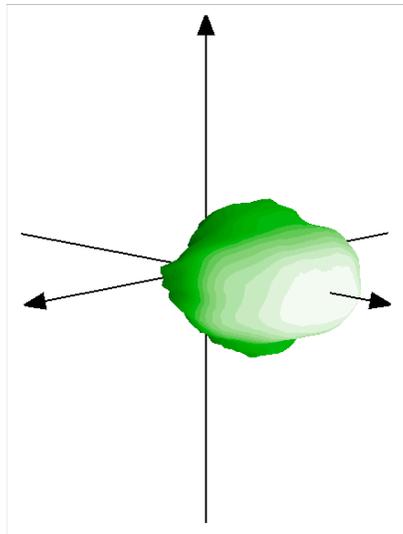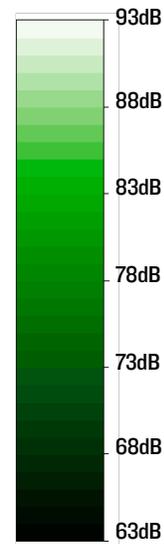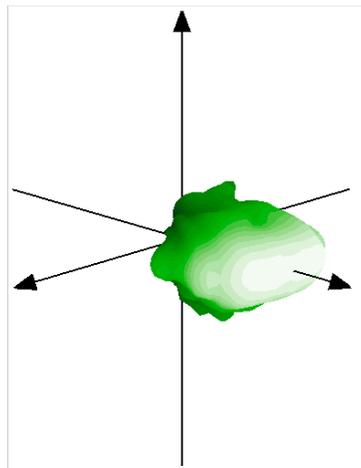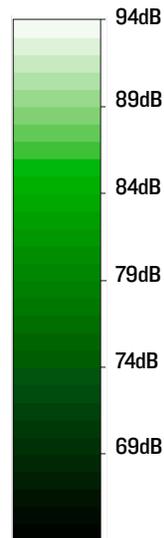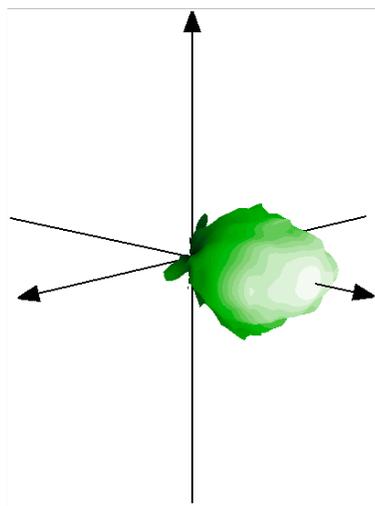
MONITOR Voicing Mode –Monitor mode was designed primarily to remove unwanted low frequency buildup while also improving mid-range articulation for the artist(s). This mode should only be engaged when the speaker is in its monitor orientation and coupled with a stage or other hardwood floor... if not, the speaker won't sound right.
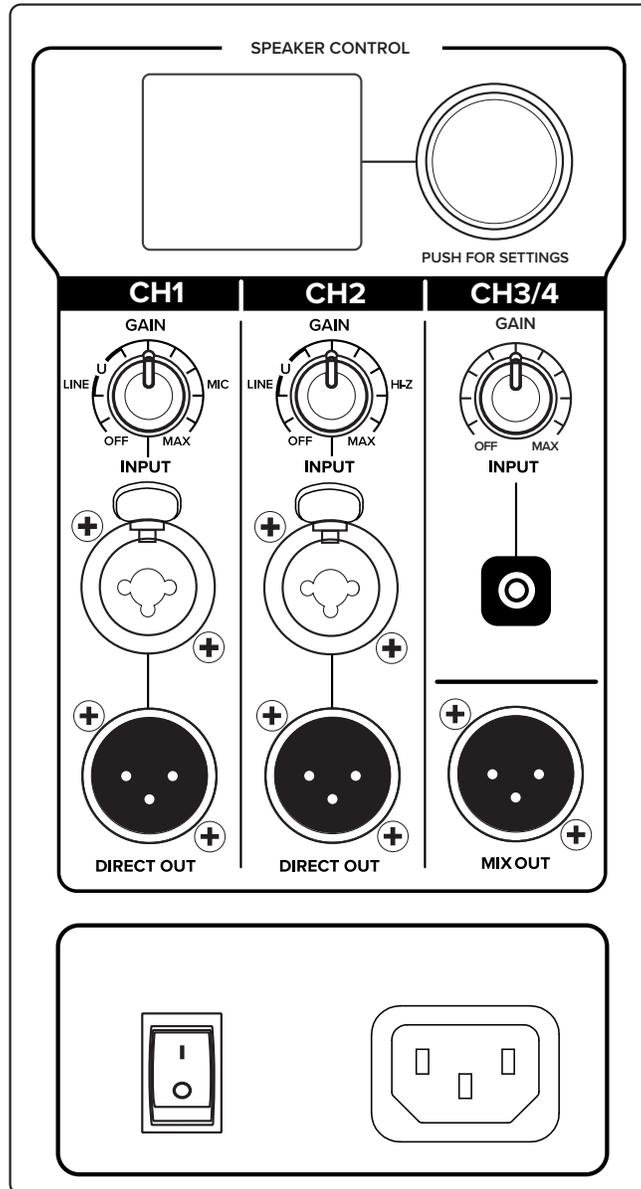
SRM210 | V-CLASS FREQUENCY GRAPH

Legend: **FLAT** **LIVE** **SPEECH** **CLUB** **MONITOR**

Frequency (Hz): 50, 100, 200, 500, 1k, 2k, 5k, 10k, 20k

SRM215 | V-CLASS FREQUENCY GRAPH

FLAT **LIVE** **SPEECH** **CLUB** **MONITOR**

Frequency (Hz)

SRM215 | V-CLASS FREQUENCY GRAPH

FLAT **LIVE** **SPEECH** **CLUB** **MONITOR**
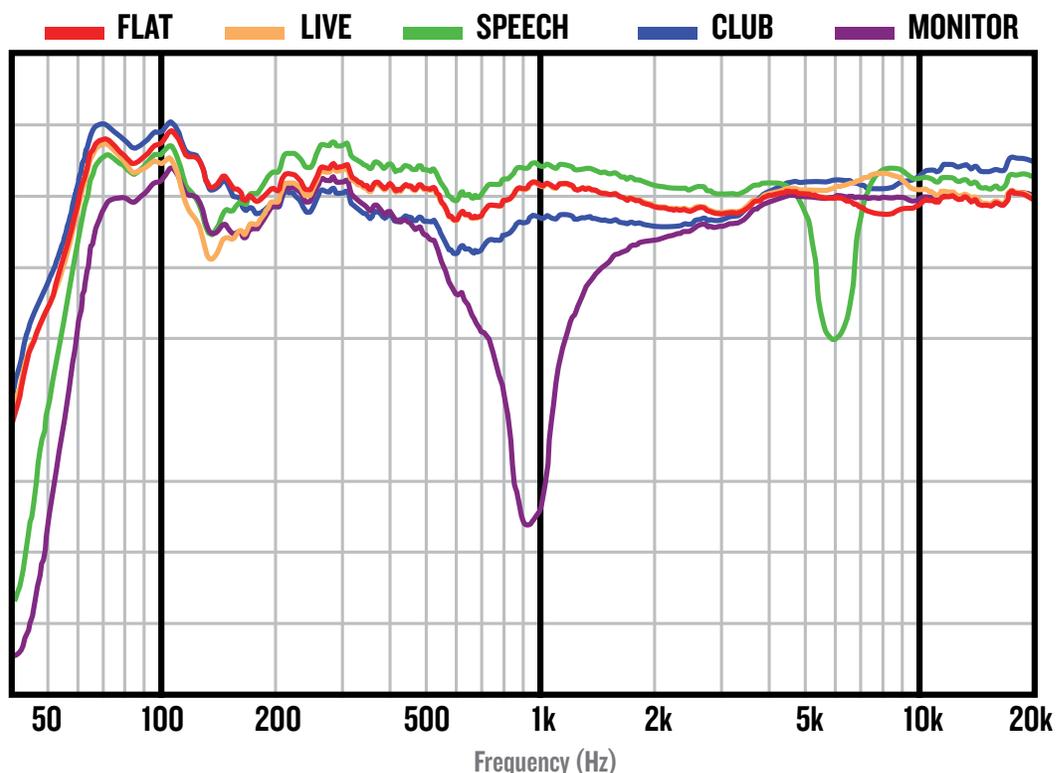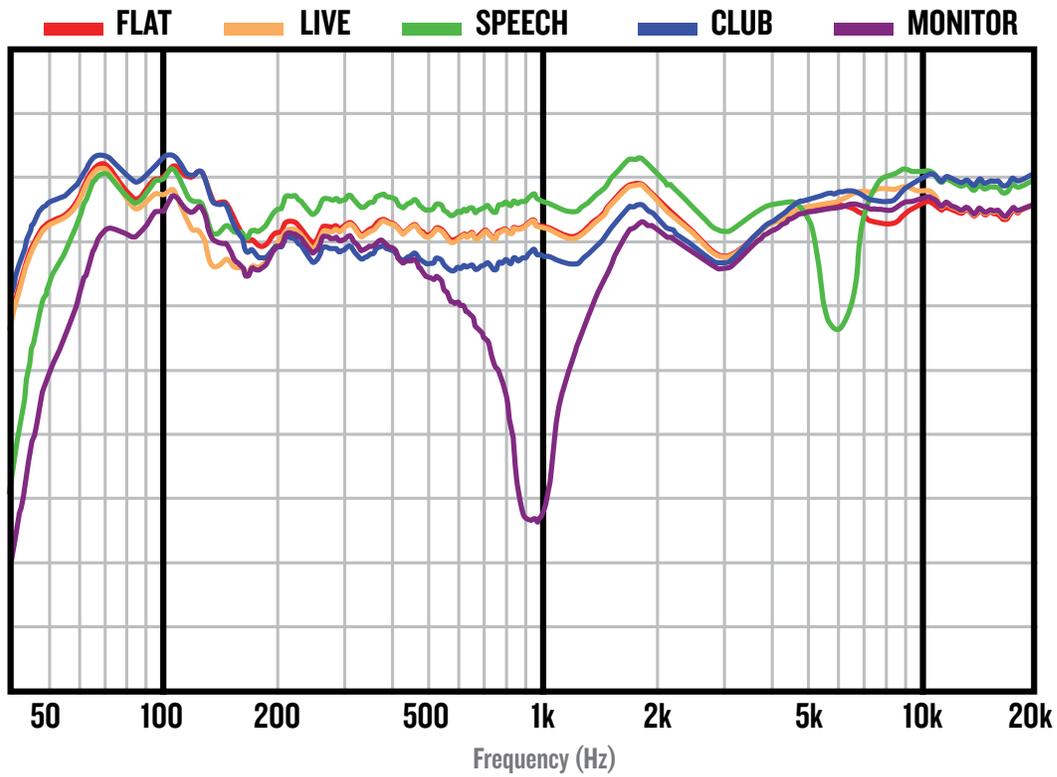
Frequency (Hz)
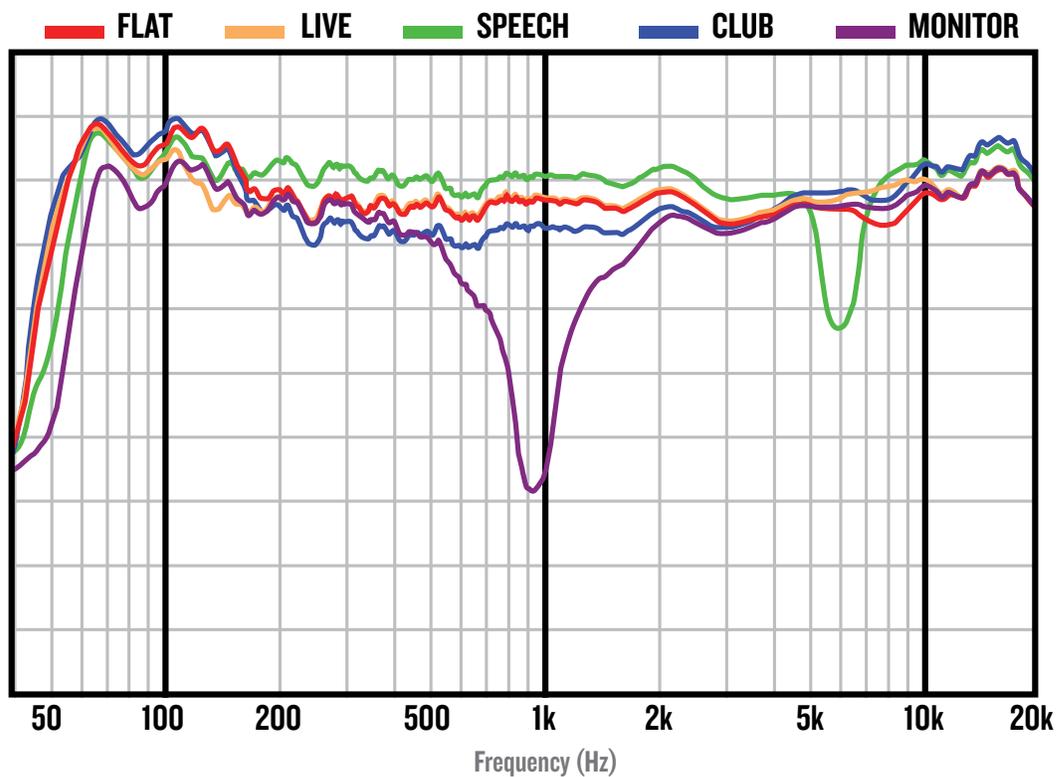
SRM | V-CLASS POLAR MEASUREMENTS OF HORIZONTAL DISPERSION (MF + HF)
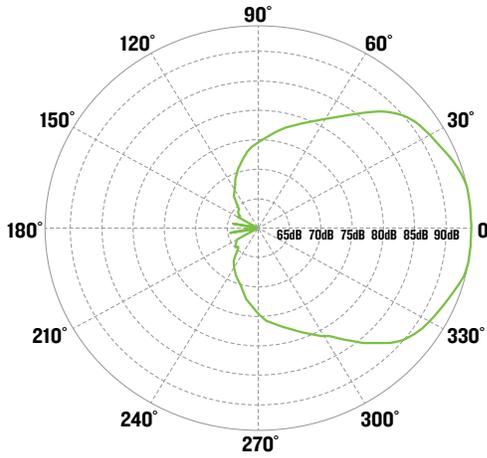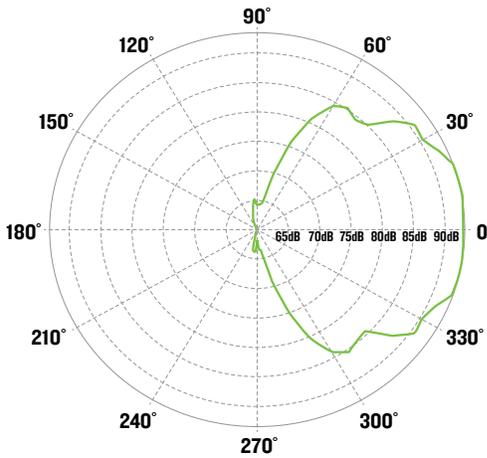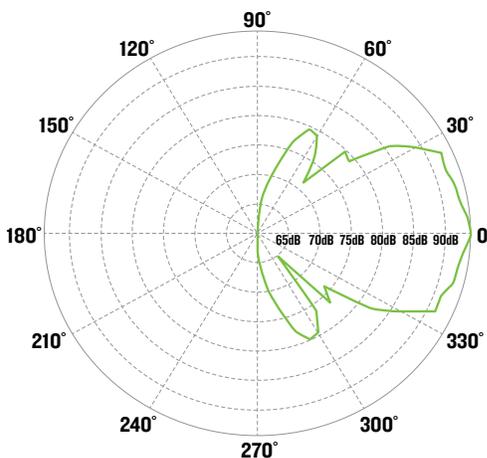
5 kHz

10 kHz

15 kHz

SRM | V-CLASS 3D MEASUREMENTS OF HORIZONTAL + VERTICAL DISPERSION (MF + HF)

5 kHz

10 kHz

15 kHz

SRM | V-CLASS REAR PANEL

SPEAKER CONTROL

PUSH FOR SETTINGS

CH1	CH2	CH3/4
GAIN	GAIN	GAIN

LINE — U — MIC (CH1)
LINE — U — HI-Z (CH2)

OFF — MAX

INPUT

DIRECT OUT — DIRECT OUT — MIX OUT

Electronic files for this product are available at:
www.mackie.com

Specification Sheet	SRM V-Class_SS.PDF
Owner's Manual	SRM V-Class_OM.PDF

LOUD Audio, LLC. is always striving to improve our products by incorporating new and improved materials, components, and manufacturing methods. Therefore, we reserve the right to change these specifications at any time without notice.

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