



# SRX812P

12" Two-Way Bass Reflex Self Powered System

## Key Features:

- ▶ JBL premium Transducers
- ▶ 2000 W highly efficient Crown Amplification
- ▶ Full User Configurable DSP
- ▶ Maximum SPL Output: 136dB
- ▶ System Type: Self powered 12", two-way, bass-reflex
- ▶ Frequency Range (-10dB): 40Hz - 21kHz
- ▶ Frequency Response (-3dB): 48Hz - 20kHz
- ▶ Coverage Pattern: 90 x 50
- ▶ Network Control
- ▶ JBL Engineered Application Presets
- ▶ LCD Screen and glow in the dark ink on back panel
- ▶ M10 Suspension Points
- ▶ Standard dual-angle 36mm pole cup
- ▶ Feet for monitor angle
- ▶ Lightweight poplar plywood cabinets made structurally sound with tongue and groove joints and protected by JBL's tour proven DuraFlex™ finish

## Applications:

- ▶ The SRX812P is a powered portable PA speaker in the SRX800 series from JBL Professional. It has been designed to deliver class leading performance in a variety of applications including use as a main PA, a stage monitor, and rear and side fills. When used in conjunction with the other SRX800 full range systems and the SRX800 subs, SRX812P is an integral part of a high performance, fully configurable loudspeaker system.
- ▶ The SRX812P features premium JBL Transducers. High frequencies are handled by an annular polymer diaphragm compression driver that features a best in class 3" voice coil coupled to a 1.5" throat opening. Using a neodymium magnet, the compression driver is lightweight, efficient, and extremely powerful. This delivers very high power levels with reduced distortion and increased phase coherence resulting in smooth, crystal clear high frequencies. For Low Frequencies, the SRX812P uses a 12-inch woofer with JBL's patented Differential Drive Technology for reduced weight while maximizing power amp efficiency. 3" voice coils and dual ferrite drivers deliver exceptionally low distortion and extended low frequency response.
- ▶ The SRX812P features a full suite of onboard user configurable DSP including 20 PEQs, 2 seconds of delay, signal generators, input mixing, amplifier monitoring, and 50 slots for recallable presets, including 7 JBL-engineered application presets. In addition, the system is compatible with V5 JBL Tunings, and features 96kHz FIR Filters, and LevelMax™ Limiting providing compatibility with our flagship Vertec and VTX touring systems.
- ▶ System control and networking is provided by Audio Architect, and a standalone application for iOS and Android. Simple wired control is provided via an Ethercon connector on the back of the system and wireless control is possible using a standard off the shelf wireless router.



## Specifications:

### System:

|                             |                                        |
|-----------------------------|----------------------------------------|
| System Type:                | Self powered 12", two-way, bass-reflex |
| Maximum SPL Output:         | 136 dB                                 |
| Frequency Range (-10 dB):   | 40Hz – 21kHz                           |
| Frequency Response (-3 dB): | 48Hz – 20kHz                           |

### Amplifier:

|                      |                              |
|----------------------|------------------------------|
| System Power Rating: | 2000W Peak, 1500W Continuous |
| Input Impedance:     | 40k balanced, 20k unbalanced |
| Line Input Gain:     | 21 dB                        |
| Consumer Input Gain: | 33 dB                        |
| Mic Input Gain:      | 45 dB                        |

### Maximum Input Level:

|           |       |
|-----------|-------|
| Line:     | 20dBu |
| Consumer: | 8dBu  |
| Mic:      | -4dBu |

|             |                                             |
|-------------|---------------------------------------------|
| Connectors: | Neutrik ¼" XLR input;<br>Neutrik XLR Output |
|-------------|---------------------------------------------|

|                 |                                                              |
|-----------------|--------------------------------------------------------------|
| LED Indicators: | Power LED (Green) Network Link (Green) Network Data (Yellow) |
|-----------------|--------------------------------------------------------------|

|          |                              |
|----------|------------------------------|
| Cooling: | On-Demand variable speed fan |
|----------|------------------------------|

|                 |                       |
|-----------------|-----------------------|
| AC Power Input: | 100V - 240V~ 50/60 Hz |
|-----------------|-----------------------|

|                               |                                        |
|-------------------------------|----------------------------------------|
| AC Power Consumption (120V~): | 2.2A (1/8th Power), 5.6A (1/3rd Power) |
|-------------------------------|----------------------------------------|

### Speaker:

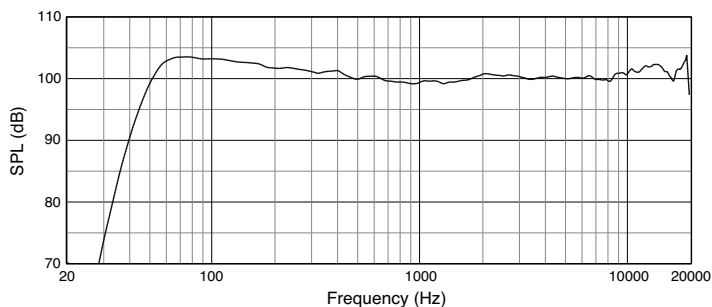
|                      |         |
|----------------------|---------|
| LF Driver:           | 2272F   |
| HF Driver:           | 2432H   |
| Coverage Pattern:    | 90 x 50 |
| Crossover Frequency: | 1.9kHz  |

### Enclosure:

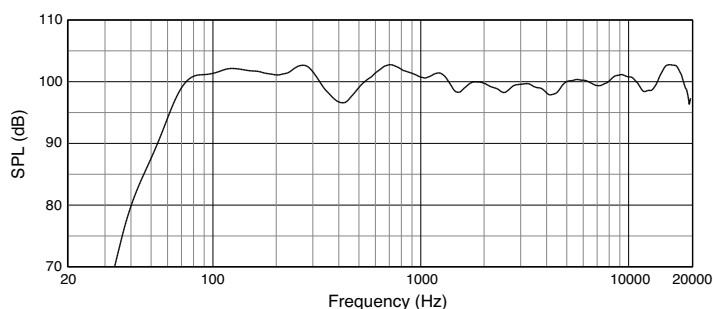
|                         |                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------|
| Material:               | 18mm plywood                                                                                         |
| Monitor Angle:          | Yes                                                                                                  |
| Suspension/Mounting:    | Dual 36mm pole socket,<br>12 x M10 Suspension points                                                 |
| Handles:                | 3                                                                                                    |
| Finish:                 | Obsidian DuraFlex™ finish                                                                            |
| Grille:                 | Powder coated, Obsidian, 14-gauge perforated steel with acoustically transparent black cloth backing |
| Dimensions (L x W x H): | 16.87" x 16.31" x 25.11"<br>(429mm x 415mm x 638mm)                                                  |
| Weight:                 | 58.0 lbs (26.4 kg)                                                                                   |

# ► SRX812P 12" Two-Way Bass Reflex Self-Powered System

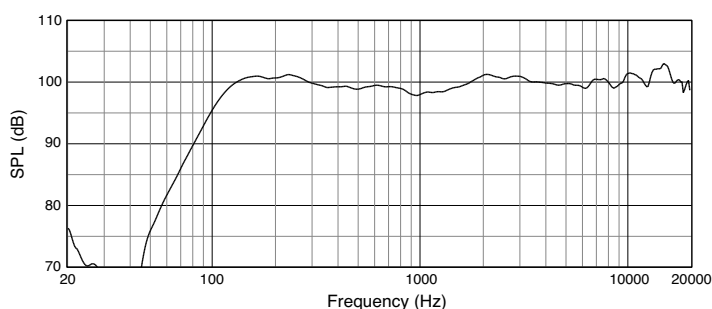
## Frequency Response (Main Tuning)



## Frequency Response (Monitor)



## Frequency Response (Speech)



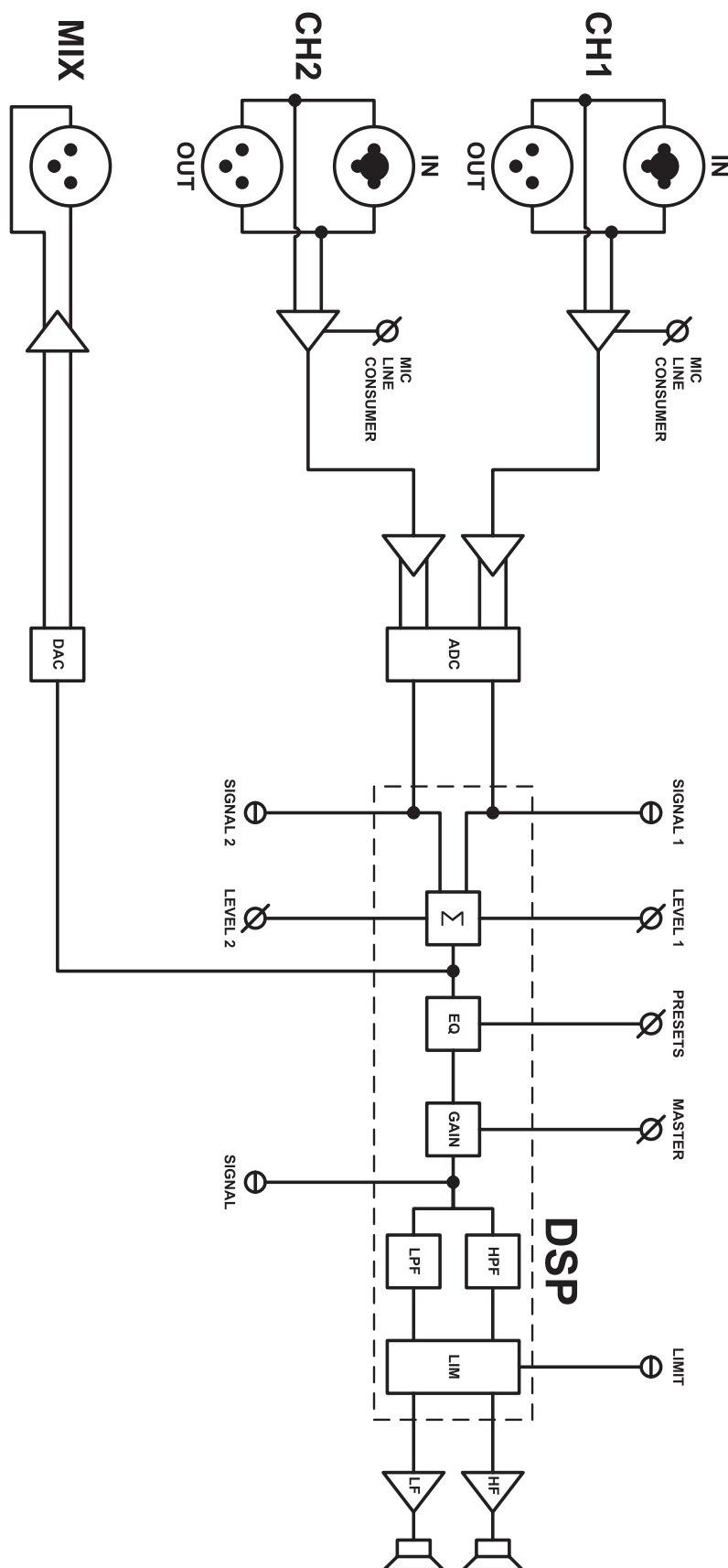
## Sub/Satellite Presets

|              |               | SRX 812/815              | SRX 835                   | Generic Top Box 60Hz Sub Crossover | Generic Top Box 80Hz Sub Crossover | Generic Top Box 100Hz Sub Crossover | Generic Top Box 120Hz Sub Crossover |
|--------------|---------------|--------------------------|---------------------------|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
| SRX 818      | Normal        | SRX Top / SRX Sub        | SRX Top / SRX Sub         | 60Hz / 60Hz HiPass                 | 80Hz / 80Hz HiPass                 | 100Hz / 100Hz HiPass                | 120Hz / 120Hz HiPass                |
|              | Cardioid 80Hz | SRX Sub / Cardioid 80Hz* | SRX Sub / Cardioid 80Hz*  |                                    | 80Hz / Cardioid 80Hz*              |                                     |                                     |
|              | Cardioid 60Hz |                          | 60Hz Sub / Cardioid 60Hz* | 60Hz / Cardioid 60Hz*              |                                    |                                     |                                     |
| SRX 828      | Normal        | SRX Top / SRX Sub        | SRX Top / SRX Sub         | 60Hz / 60Hz HiPass                 | 80Hz / 80Hz HiPass                 | 100Hz / 100Hz HiPass                | 120Hz / 120Hz HiPass                |
|              | Cardioid 80Hz | SRX Sub / Cardioid 80Hz* | SRX Sub / Cardioid 80Hz*  |                                    | 80Hz / Cardioid 80Hz*              |                                     |                                     |
|              | Cardioid 60Hz |                          | 60Hz Sub / Cardioid 60Hz* | 60Hz / Cardioid 60Hz*              |                                    |                                     |                                     |
| Generic Subs | 60Hz          |                          | 60Hz Sub / 60Hz LoPass    |                                    |                                    |                                     |                                     |
|              | 80Hz          | 80Hz LoPass / 80Hz Sub   | 80Hz Sub / 80Hz LoPass    |                                    |                                    |                                     |                                     |
|              | 100Hz         | 100Hz LoPass / 100Hz Sub | 100Hz Sub / 100Hz LoPass  |                                    |                                    |                                     |                                     |
|              | 120Hz         | 120Hz LoPass / 120Hz Sub | 120Hz Sub / 120Hz LoPass  |                                    |                                    |                                     |                                     |

\*The Cardioid Preset is always selected only on the rear-facing box. The two front facing boxes should be set to your selected crossover frequency, eg. 60Hz or 80Hz.

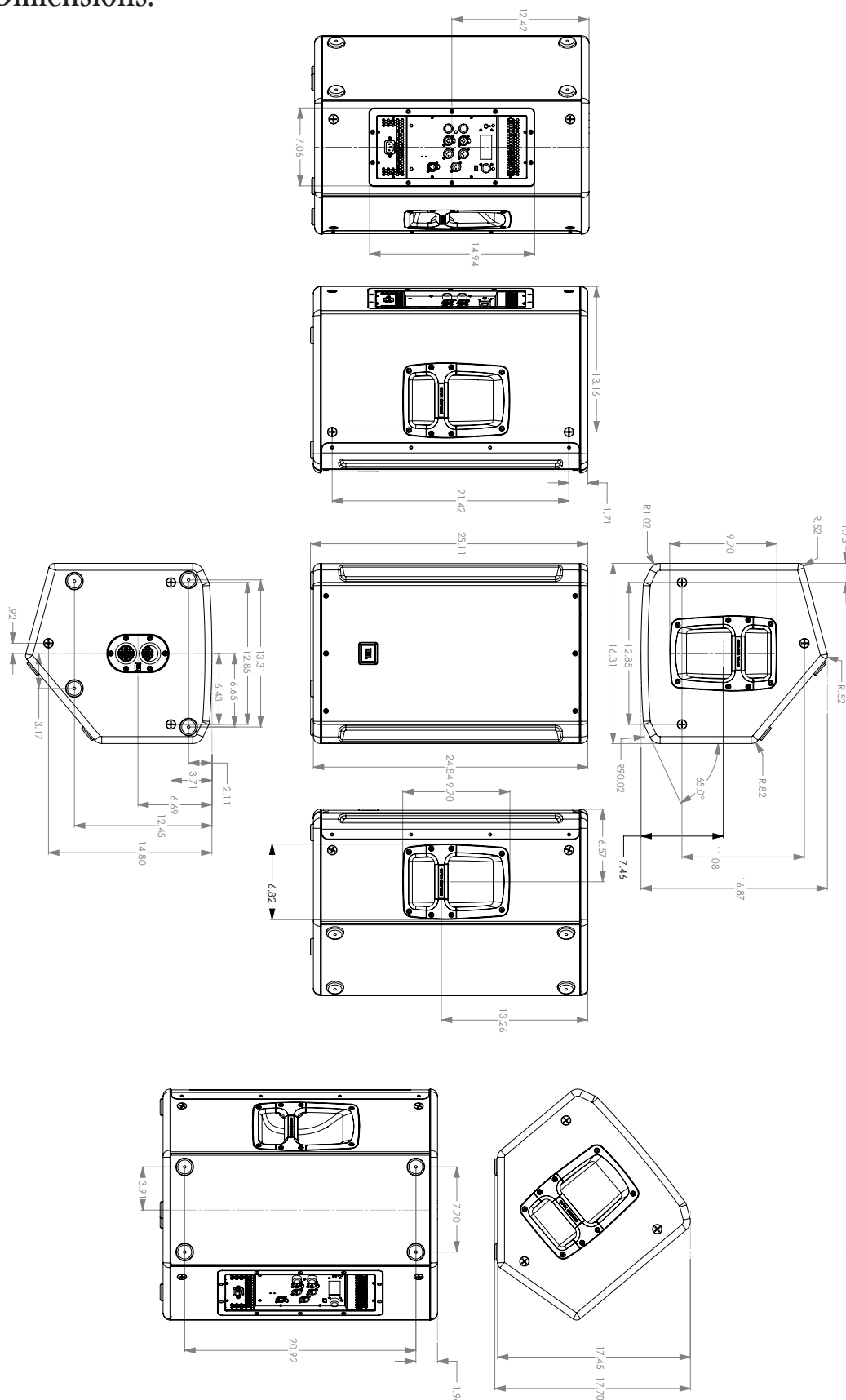
## ► SRX812P 12" Two-Way Bass Reflex Self-Powered System

Block Diagram:



# ► SRX812P 12" Two-Way Bass Reflex Self-Powered System

## Dimensions:



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