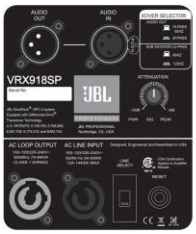
v1.0

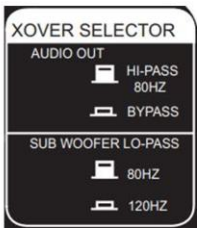
JBL powered subwoofer connections

14-Dec-20

VRX918SP

The VRX918SP subwoofer has one input and one output, to take advantage of the internal DSP, signal should be first connected to the Sub then routed to its top box (i.e. a VRX932LAP)

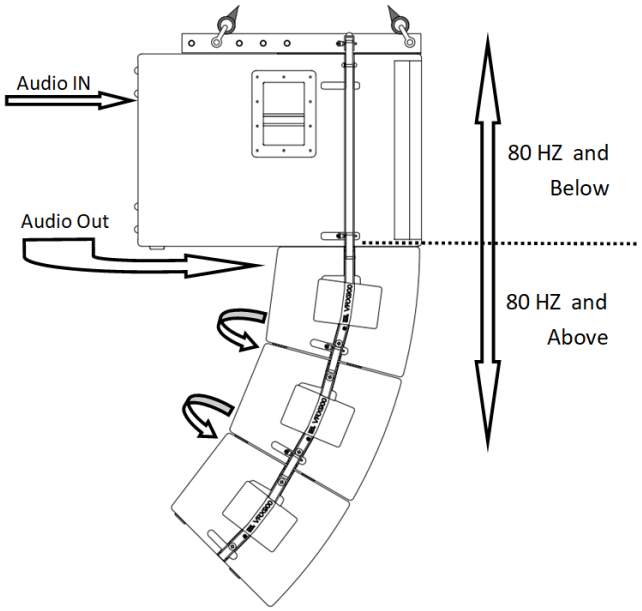




Xover selector settings are:

AUDIO OUT

Two-position push-button DSP preset selection switch, enables an 80Hz Hi-Pass filter or direct loop through to the audio output. When set to the "Hi-Pass 80Hz" position, the signal leading to the AUIDIO OUT connector is shaped in such a way that allows a smooth transition to a connected full range speaker, crossed over at 80Hz. (The Hi-Pass frequency is fixed at 80Hz)

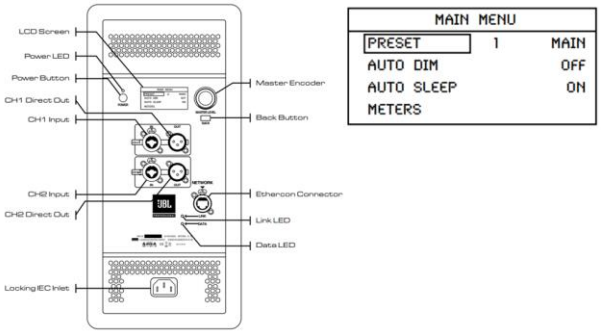


SUB WOOFER LO-PASS

Two-position push button DSP preset selection switch, engages either an 80Hz or 120Hz Lo-Pass filter. The default 80Hz position is recommended. The120Hz Lo-Pass filter option becomes useful when external signal processing is used or if the low frequency extension of the companion full range system does not reach 80Hz

SRX818SP & SRX828SP

The SRX800 series subwoofers have two inputs and two outputs, these have several preset and *customizable DSP options, to take advantage of the internal DSP, signal should be first connected to the Sub then routed to its top box (i.e. a SRX815P)



The available Preset options are:

SRX Top

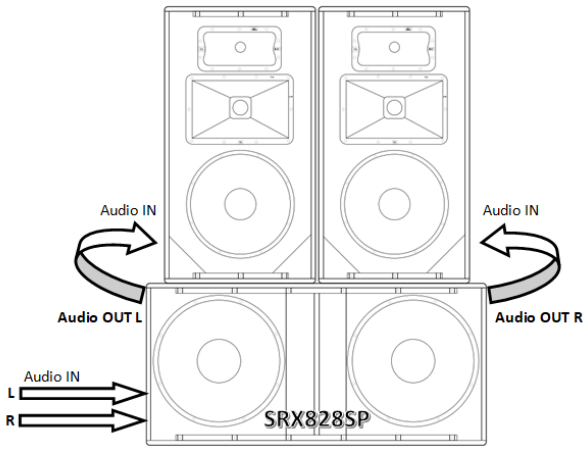
This is the preset to use in the SRX818SP and SRX828SP when they are used with the SRX812P, SRX815P, or SRX835P, This preset matches the performance of the SRX full range systems to the SRX subwoofers precisely, making for an ideal subwoofer/ satellite system.

60Hz, 80Hz, 100Hz, and 120Hz.

These are the tunings to use with the SRX818SP and SRX828SP when they are used with full range systems other than the SRX812P, SRX815P, and SRX835P. Depending on the range and specifications of the full range speakers, different crossover points are provided to make an ideal match.

Cardioid 60, Cardioid 80

These tunings are to be used in the rear-facing subwoofers only in cardioid systems. Select the desired frequency for the crossover based on what the tunings used in the front-facing subwoofers. Use Cardioid 80 if the other subwoofers are set to SRX Top.



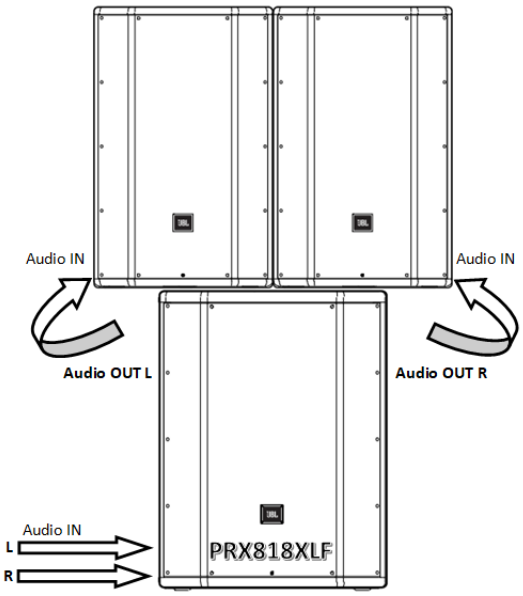
*(Customizable Presets can be loaded via the SRX connect APP and or Audio Architect)

PRX815XLF & PRX818XLF

The PRX800 series subwoofers have two inputs and two outputs, to take advantage of the internal DSP, signal should be first connected to the Sub then routed to its top box (i.e. a PRX815P)

HI-PASS

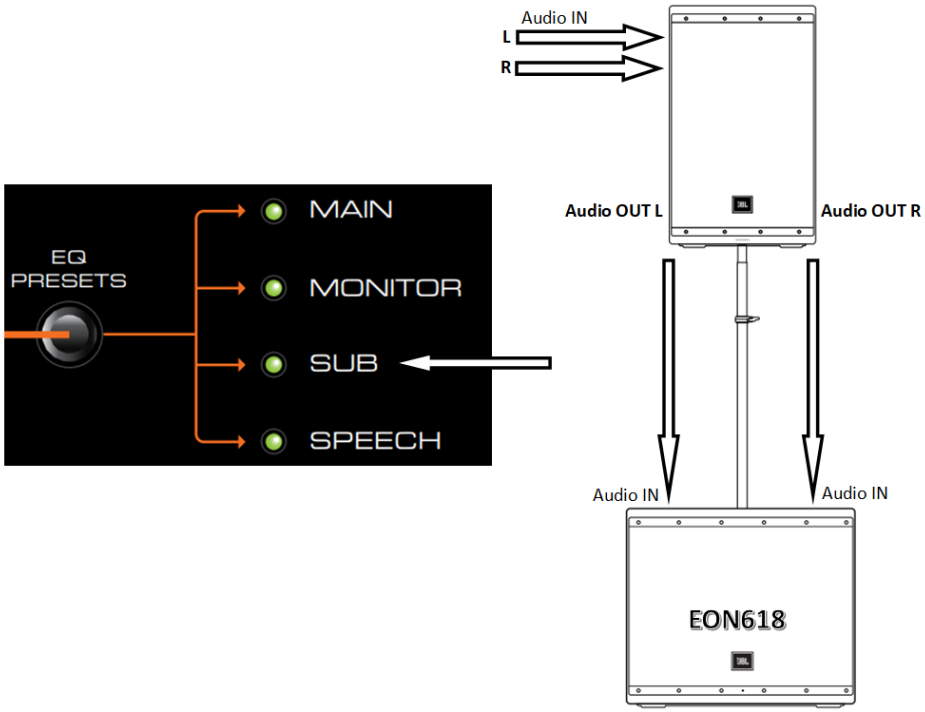
This determines whether the signal coming out of the THRU connector is unaltered (FULL RANGE) or has a high-pass filter (HI PASS) applied to it. By default, the speaker is in a FULL RANGE mode. If HI PASS is selected, an 80Hz 24dB/Octave high-pass filter is applied to the signal coming out of the THRU connector. Engaging the high-pass filter allows for a smooth transition between the subwoofer and full-range speaker that is connected to the output connector. This button must be pressed and held for 2 seconds to switch between options



(Customizable Presets can be loaded via the PRX connect APP)

EON618

On the EON600 series the DSP/HPF is located on the Top Boxes EON610, EON612 & EON615,
to take advantage of the internal DSP, signal should be first connected to the Top Box then routed to the EON618
and select "SUB" from the top box preset options



SUB

Use this setting when your EON600 loudspeaker is being used in conjunction with a separate subwoofer. This preset enables a High Pass Filter (HPF) set at 100Hz.

EON Connect APP option

On the EON Connect APP, the EON618 can be set to 80Hz, 100Hz or 120Hz, to take advantage of the APP's DSP, signal should be first connected to the Sub then routed to its top box (i.e. a EON615)
Note: signal flow is reversed from previous example