

One of the most widely diffused line array system on the professional loudspeaker market is the JBL Vertec. For this loudspeaker family the most used and well known preset library is the so called "V4 Library". It is also well known that it has been recently updated from JBL Professional with the so called "V5 library" that have been appreciated as a major update for the Vertec family. The Powersoft K-DSP preset library reproduces on the K-DSP platform the V5 preset library both in terms of tonal balance and components pass-band introducing some additional improvements that come from some of the peculiar characteristics of the K-DSP platform and the K Series amplifiers.

Original component pass-band and gain have been respected while improving the overall transducers protection using steeper off-band linear phase roll off filters, and with the use of the double limiter that take care of controlling separately the thermal protection with the Power Limiter and the maximum excursion and the instant peak power with the peak limiter.

Overall phase response has been improved as well, while the Low Frequency Damping has been improved using active damping control both for Low Frequency and Subwoofer output.

So, while driven by Powersoft K Series amplifiers equipped with K-DSP and K-AESOP, the original tonal balance of the Vertec Family has been improved with the most relevant advantages of Powersoft amplifiers. This gives to the Vertec Family systems a renewed and fresh sound quality, better dynamic performances and improved reliability and protection.

Preset Name	Description	Recommended Amp Model
S+S - VT4883 60 - 120 - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier with 60 Hz HPF and 120 Hz LPF.	K3
S+S - VT4883 60 - 160 - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier with 60 Hz HPF and 160 Hz LPF.	K3
S+S - VT4883 60 - 300 - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier with 60 Hz HPF and 300 Hz LPF.	K3
S+S - VT4883 80 - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier with 80 Hz Low Pass filter.	K3
S+S - VT4883 120 - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier with 120 Hz Low Pass filter.	K3
S+S - VT4883 160 - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier with 160 Hz Low Pass filter.	K3
S+S - VT4883 300 - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier with 300 Hz Low Pass filter	K3

CARDIOID	Description	Recommended Amp Model
S+S - VT4883 80 Front - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier - Cardioid configuration FRONT Low Pass filter 80 Hz	K3
S+S - VT4883 120 Front - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier - Cardioid configuration FRONT Low Pass filter 120 Hz	K3
S+S - VT4883 160 Front - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier - Cardioid configuration FRONT Low Pass filter 160 Hz	K3
S+S - VT4883 300 Front - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier - Cardioid configuration FRONT Low Pass filter 300 Hz	K3

REAR CARDIOID	Description	Recommended Amp Model
<b>Configuration 1</b>	Horizontal setup + - +	
S+S - VT4883 80 C1 CARDIO - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier - Cardioid configuration FRONT Low Pass filter 80 Hz	K3
S+S - VT4883 120 C1 CARDIO - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier - Cardioid configuration FRONT Low Pass filter 120 Hz	K3
S+S - VT4883 160 C1 CARDIO - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier - Cardioid configuration FRONT Low Pass filter 160 Hz	K3
S+S - VT4883 300 C1 CARDIO - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier - Cardioid configuration FRONT Low Pass filter 300 Hz	K3

REAR CARDIOID	Description	Recommended Amp Model
<b>Configuration 2</b>	Vetical setup - + +	
S+S - VT4883 80 C2 CARDIO - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier - Cardioid configuration 2 REAR Low Pass filter 80 Hz	K3
S+S - VT4883 120 C2 CARDIO - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier - Cardioid configuration 2 REAR Low Pass filter 120 Hz	K3
S+S - VT4883 160 C2 CARDIO - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier - Cardioid configuration 2 REAR Low Pass filter 160 Hz	K3
S+S - VT4883 300 C2 CARDIO - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier - Cardioid configuration 2 REAR Low Pass filter 300 Hz	K3

REAR CARDIOID	Description	Recommended Amp Model
<b>Configuration 3</b>	Vertical setup + - +	
S+S - VT4883 80 C3 CARDIO - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier - Cardioid configuration 3 REAR Low Pass filter 80 Hz	K3
S+S - VT4883 120 C3 CARDIO - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier - Cardioid configuration 3 REAR Low Pass filter 120 Hz	K3
S+S - VT4883 160 C2 CARDIO - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier - Cardioid configuration 3 REAR Low Pass filter 160 Hz	K3
S+S - VT4883 300 C3 CARDIO - vIL	Subwoofer output to drive VT4883 from both channels 1 & 2 of the amplifier - Cardioid configuration 3 REAR Low Pass filter 300 Hz	K3