



## JBL VTX F SERIES V5 README FILE

### INTRODUCTION

JBL VTX F Series Crown I-Tech HD V5 presets are designed to provide optimum system performance for VTX F Series F12 and F15 loudspeakers in Bi-Amp mode and accurate system summation with the VTX F18S subwoofer. Bi-amp V5 presets utilize BSS Audio Omnidrive HD™ linear phase Finite Impulse Response (FIR) processing.

### HIGH RESOLUTION (FOH) PRESETS

#### BI-AMP FULL RANGE PRESETS

Intended for F12 and F15 operation without F18S subwoofer. For limited bandwidth applications with modest sound pressure level expectations.

**Full Range Short Throw (2W ST) presets** provide nominally-flat low and high frequency response under freefield conditions and are suitable for short throw applications (< 30 feet) such as: distributed front fill, stereo infill, under-balcony use, tripod-mounted or pole-mounted Front-of-House (FOH) and sidefill systems.

**Full Range Long Throw (2W LT) presets** include additional LF shelving and enhanced HF shelving equalization to offset air absorption over typical throw distances for medium-throw applications.

#### BI-AMP 80HZ CROSSOVER PRESETS

Intended for use with F12 and F15 loudspeakers when operated in conjunction with F18S subwoofers. These presets feature 80 Hz high pass filtering with optimized low frequency shelving equalization and time alignment for stacked configurations (F12 or F15 stacked directly on top of F18S subwoofers) or sub/sat operation with F12 or F15 enclosures mounted on subwoofers using a JBL SS5-BK extension rod accessory. Additional time alignment may be required if the physical delay is different, for example, suspended F Series enclosures used in conjunction with ground stacked subwoofers.

**Bi-Amp 80hz Crossover Short Throw (2W ST 80) presets** provide a nominally-flat low and high frequency response under freefield conditions and are suitable for short throw applications (< 30 feet) such as: distributed front fill, stereo infill, under-balcony use, tripod-mounted or pole-mounted Front-of-House (FOH) and sidefill systems.

**Bi-Am 80hz Crossover Long Throw (2W LT 80) presets** include additional LF shelving and enhanced HF shelving equalization to offset air absorption over typical throw distances for medium-throw applications.



## **LOW LATENCY (MONITOR) PRESETS**

### **BI-AMP MONITOR PRESETS**

**Bi-Amp Monitor (2W MONITOR)** presets are intended for stage monitoring applications where half-space loading conditions and floor cancelation effects are taken into account to provide nominal flat response.

**Bi-Amp Monitor 80hz Crossover (2W MONITOR 80)** presets are available with 80 Hz high pass filter processing to allow F12 and F15 to be operated with F18S subwoofer in monitor mode.

### **BI-AMP NEARFIELD PRESETS**

**Bi-Amp 80hz Crossover Nearfield (2W NF 80)** presets are intended for use in nearfield monitoring applications (side-fills, drum-fills, etc) and can be used as an alternative to MONITOR presets when half-space loading conditions are not present.

**Disclaimer:** VTX F SERIES limiter settings are intended to provide a starting point for optimum system performance while ensuring reliable system protection. The end user is, however, ultimately responsible for system operation in the field and standard warranty conditions apply in the event of component damage.



## PROGRAMMING GUIDELINES

Before downloading VTX F Series device files, check for the latest version of HiQnet Performance Manager, HiQnet System Architect, or HiQnet Audio Architect Software on <http://hiqnet.harmanpro.com/downloads.php>

After downloading and installing System Architect/Audio Architect software, JBL VTX F Series V5 device files are located in the following directory:

\\My Documents\Harman Pro\JBL Device Files and Presets – XX Y.YY \JBL Tour Sound\VTX F Series\Crown I-Tech HD V5 R1 (or VTX F Series Crown I-Tech 4x3500HD V5 R1)

where:

XX = SA or AA (System Architect or Audio Architect)

Y.YY = software revision

## INSTALLING V5 DSP INTO I-TECH HD DEVICES

To load V5 presets into your I-Tech HD amplifier, it is possible to copy the device file onto a USB key and manually load the entire device file or individual presets from the front panel of the unit. Please see your Crown I-Tech HD manual for complete details.

Presets can also be downloaded using System Architect software by establishing network connectivity then performing the following steps:

- 1) Double-click the I-Tech HD power amplifier to be programmed
- 2) On the top menu bar, select: File / Open / Device File
- 3) Navigate to the 'VTX F Series Crown I-Tech HD V5 R1' device file folder
- 4) Select the device file suitable for your application
- 5) 'Name Change' panel opens: If you wish to update the amplifier name, select 'Replace'
- 6) 'Synchronize Device Settings' panel opens: Select 'Send Settings to Device' to load the device file into the amplifier

*For more detailed information on loading/opening VTX F Series device files see System Architect Help for 'Open Device File'. The page is located in System Architect Help under System Architect Overview / Software Introduction / Devices.*



## **PRESET RECALL INSTRUCTIONS**

***Please refer to the appropriate 'JBL VTX F SERIES Crown ITHD V5 R1 PRESET SUMMARY.pdf' sheets to determine the correct preset to use for your configuration.***

### **Using System Architect**

- 1) Double-click the desired I-Tech HD amplifier
- 2) Select 'Recall' on the top of the amplifier panel
- 3) Select the desired preset for your application and press 'OK'

### **Manually via the front panel ITHD:**

- 1) Press 'Menu / Exit'
- 2) Press 'Next' two times to navigate to the 'Preset' menu
- 3) Use the rotary knob next to the display panel to scroll through the presets until the desired preset is highlighted
- 4) Press the rotary knob to select. A prompt 'Confirm Load (Press & Hold)' will appear. (Note: this will change to 'Change Cancelled' after approximately 3 seconds)
- 5) Press and hold the rotary knob for 1-2 seconds, until 'Loading Preset...' is displayed
- 6) 'Preset Loaded' message appears for several seconds, after which the current preset name will be displayed
- 7) Press 'Menu / Exit' to navigate back to the main menu

### **Manually via the front panel ITech4x3500HD:**

- 1) Press 'Menu / Exit'
- 2) Highlight '1. Presets' by either using rotary knob to the left of the screen or the arrows on the screen
- 3) To select, either press the rotary knob or touch '1. Presets' on the screen
- 4) Touch 'Recall' on the screen
- 5) Scroll through the presets until the desired preset is highlighted in the middle of the screen by either turning the rotary knob, pressing 'Prev' and 'Next' buttons to the right of the screen or touching and dragging the presets on the screen
- 6) To select, either press the rotary knob or touch the desired preset on the screen
- 7) A prompt will display: 'Do you want to recall Preset <Number> : <Preset Name>?'. To select, press either the rotary knob, the 'Menu / Exit' button or the green checkbox symbol to the bottom left of the screen
- 8) Once the preset is loaded, the active preset name will be displayed
- 9) Press 'Menu / Exit' twice to navigate back to the main display

*For more detailed information on recalling and storing presets, see System Architect Help for 'Presets'. The page is located in System Architect Help under Devices / Crown Products / I-Tech HD 2-Channel / Presets.*