



# dV-DOSC V7.1 PRESET LIBRARY README FILE

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## dV-DOSC V7.1

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The dV-DOSC V7.1 preset release is a minor revision update.

New to V7.1 is the introduction of the dV-DOSC 2W 60 preset – this preset features a 60 Hz high pass filter with optimized low frequency shelving equalization for standalone dV-DOSC applications (without subwoofers).

Support for the XTA DP428 digital signal processor is also introduced.

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### REVISION HISTORY – VERSION 7 PRESET RELEASE

Version 7 represents the most comprehensive set of presets released to date. Due to the number of new presets introduced, it was necessary to divide preset libraries into 5 types:

V-DOSC, dV-DOSC, KUDO, L-ACOUSTICS and MTD

Features for the dV-DOSC V7 preset library are described in the following.

### INTRODUCTION

No major changes have been made to dV-DOSC mid / high section processing or 3-way dV-SUB presets. Many new 3-way and 4-way presets have been added for use of dV-DOSC with the recently-released SB118 (single 18”) subwoofer and 3-way / 4-way SB218 presets have been revised.

dV-DOSC V7 preset changes are summarized as follows:

- dV-DOSC 2W 75 preset is replaced by the dV-DOSC 2W 80 preset. The dV-DOSC 2W 80 Hz preset includes optimized LF shelving equalization for standalone applications or for AUX SUB drive using SB218 DELAY ARC 80 Hz or SB218 LCR 80 Hz presets
- introduction of 3W (120 Hz crossover point) and 3WX (80 Hz crossover point) for use of dV-DOSC with the SB118 (single 18”) subwoofer
- introduction of 4-way INFRA preset (SB118 = 26-60 Hz, dV-SUB = 60-120 Hz) for use of dV-DOSC with the SB118 (single 18”) subwoofer
- introduction of 4-way X preset (SB118 = 26-80 Hz / negative polarity, dV-SUB = 30-120 Hz) for use of dV-DOSC with the SB118 (single 18”) subwoofer
- introduction of 4-way INFRA preset (SB218 = 26-60 Hz, dV-SUB = 60-120 Hz) for use of dV-DOSC with the SB218 (double 18”) subwoofer
- revised 4-way X preset (SB218 = 26-80 Hz / negative polarity, dV-SUB = 30-120 Hz) for use of dV-DOSC with the SB218 (double 18”) subwoofer
- revised sub/low processing for all 4-way presets
- revised sub/low time alignment procedure for 3-way SB218 presets and 4-way presets



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## **SUBWOOFER TIME ALIGNMENT RECOMMENDATIONS**

For the dV-DOSC V7 release, sub/low sections are “pre-aligned” for 3-way and 4-way presets in a closely coupled measurement configuration. This way, when dV-DOSC is flown and subs are ground stacked all that is required is to measure the geometric/physical path difference (at your reference point of choice) and add this to the standard pre-aligned sub delay. If using Bushnell Rangefinders to measure the path difference, the accuracy corresponds to +/- 1 meter so the geometric starting point can be varied by +/- 3 msec to verify optimum summation. This provides a quick and easy subwoofer alignment technique for those who don’t have the measurement gear required to measure impulse responses. If you have the ability to measure impulse responses, refer to the figures below for the individual presets as a reference for time alignment. Basically, when you look at the separate impulse responses for sub and low sections, there is a “sine wave” signature that needs to be aligned.

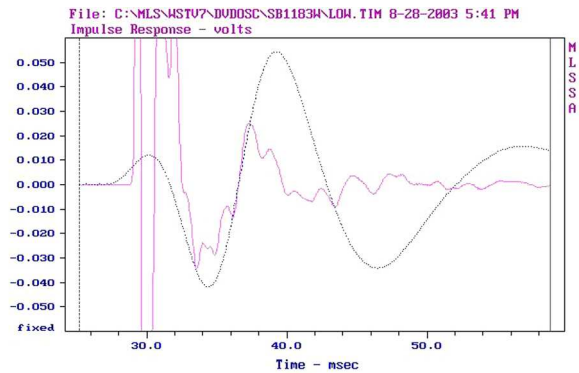
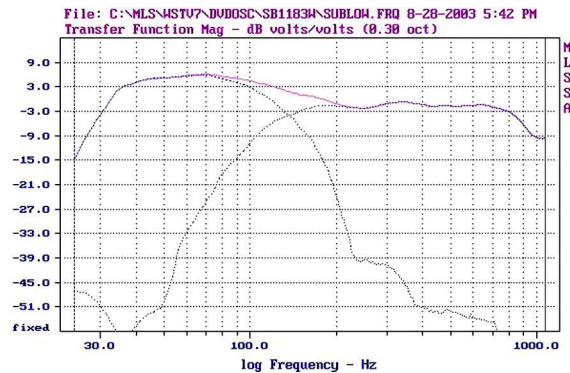


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## 3-WAY dV-DOSC PRESETS

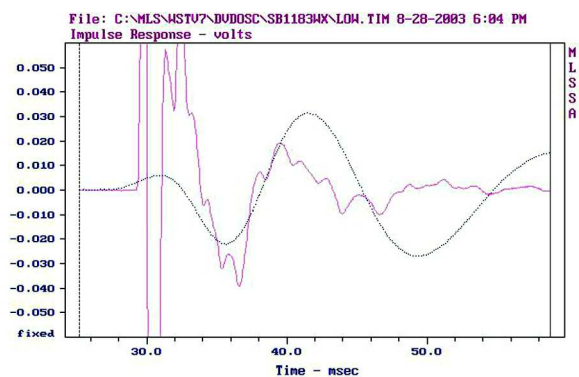
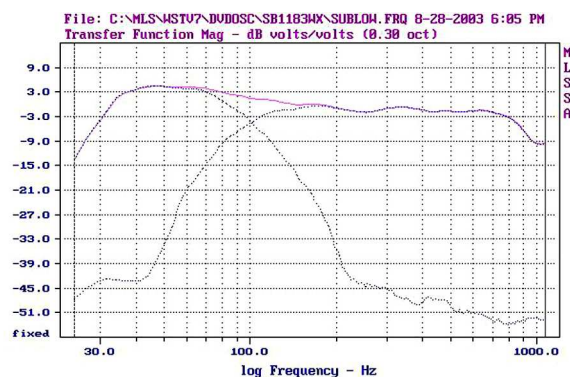
### dV 3W SBI I8 (120 Hz crossover between SBI I8 and dV-DOSC low section)

The 3W preset is intended for all closely coupled SBI I8 + dV-DOSC configurations.



### dV 3WX SBI I8 (80 Hz crossover between SBI I8 and dV-DOSC low section)

The 3WX preset is intended for all physically separated configurations, i.e., SBI I8 (ground stacked) + dV-DOSC (flown).



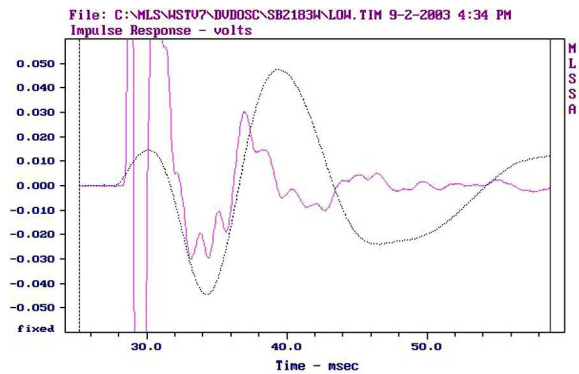
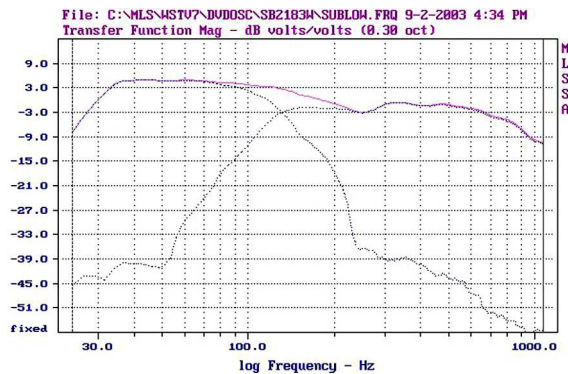


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## 3-WAY dV-DOSC PRESETS

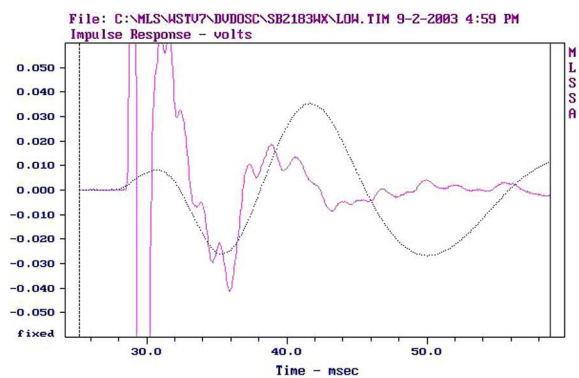
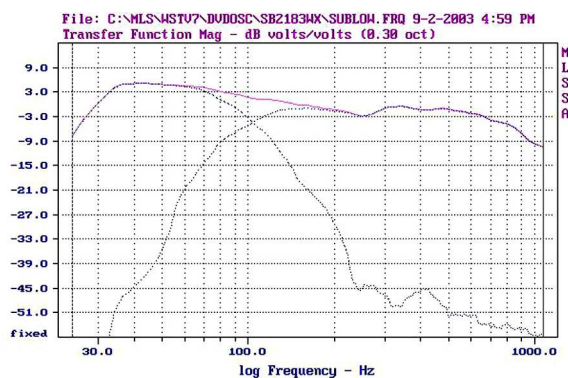
### dV 3W SB218 (120 Hz crossover between SB218 and dV-DOSC low section)

The 3W preset is intended for all closely coupled SB218 + dV-DOSC configurations.



### dV 3WX SB218 (80 Hz crossover between SB218 and dV-DOSC low section)

The 3WX preset is intended for all physically separated configurations, i.e., SB218 (ground stacked) + dV-DOSC (flown).

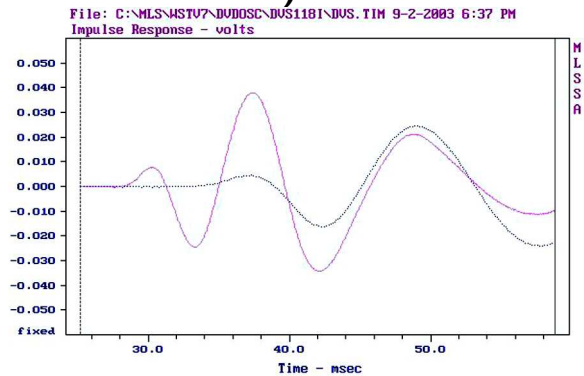
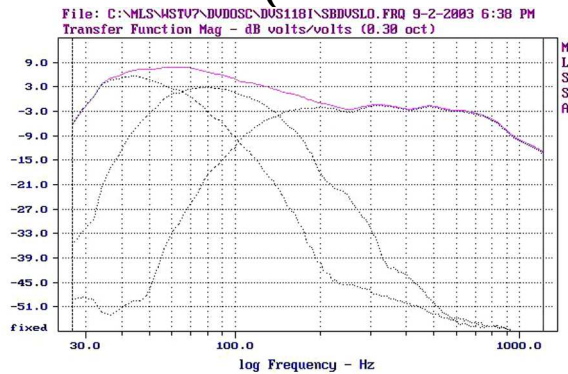




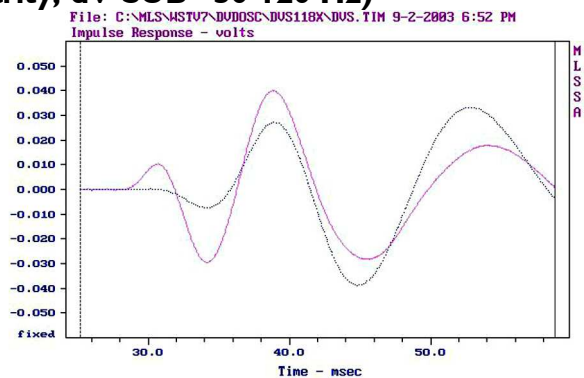
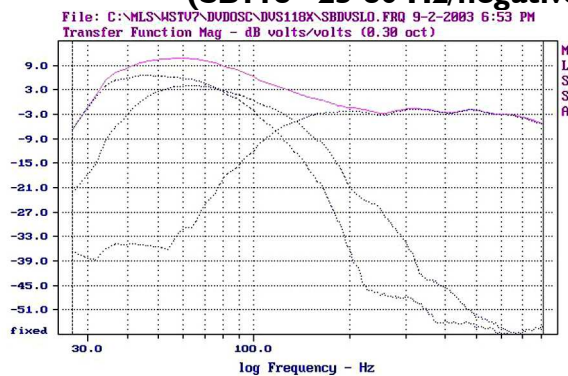
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## 4-WAY dV-DOSC PRESETS

### dV-DOSC + dV-SUB + SBI 18 INFRA (60 Hz crossover between SBI 18 and dV-SUB)



### dV-DOSC + dV-SUB + SBI 18 X (SBI 18=25-80 Hz/negative polarity, dV-SUB=30-120 Hz)

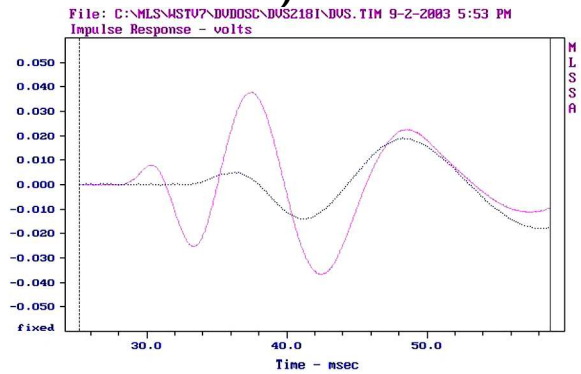
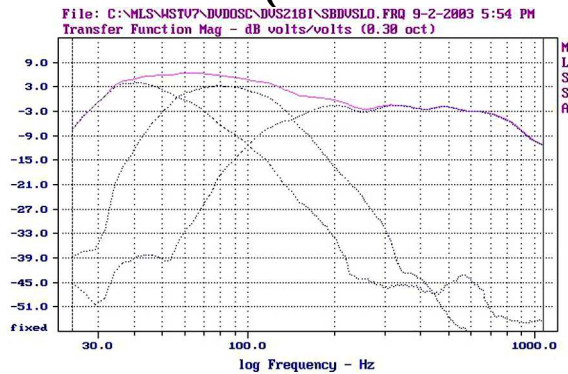




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## 4-WAY dV-DOSC PRESETS

### dV-DOSC + dV-SUB + SB218 INFRA (60 Hz crossover between SB218 and dV-SUB)



### dV-DOSC + dV-SUB + SB218 X (SB218=25-80 Hz/negative polarity, dV-SUB=30-120 Hz)

