

Symetrix Jupiter Level 1 Settings

Created 13 September 2024 using *Symetrix Jupiter Version 3.0.2.0* software.



Important:

Level 1 settings are comprised of Infinite Impulse Response (IIR) filters and Finite Impulse Response (FIR) filters. Be sure to load both IIR and FIR filters, or the loudspeaker settings will not be complete.

The IIR filters - a standard complement of high-pass, low-pass, and parametric filters, plus delay - should be implemented in Jupiter's Speaker Manager DSP block. These settings are provided on pages 2 through 18.

The FIR filters are sets of fully custom coefficients which produce highly detailed frequency response and temporal (time domain) filters. These settings are provided as coefficient tables in accompanying .CSV (comma separated value) files. The appropriate .CSV file for each loudspeaker bandpass is given in the bottom row of the tables on pages 2 through 15. This row is labeled "Load CSV File". Note that subwoofers and most low-frequency-only bandpasses do not require a .CSV file. These are marked "None".

To load the FIR filters in Jupiter software:

- 1) Unzip the contents of the "Jupiter Level 1 Settings 13Sep24" ZIP file to a convenient location. Make note of the unzipped "Fulcrum CSV Files" folder for Step 4 below.
- 2) Open Jupiter software and select an app that contains both FIR Filter and Speaker Manager blocks in Output DSP.
- 3) Open the Tools menu and select "Manage FIR Filters..."
- 4) Select an FIR data location from the list and click "Import" (disk icon). Navigate to the "Fulcrum CSV Files" folder mentioned in Step 1 above. Select a CSV file and click "Open". Again, the tables on pages 2 through 15 also list the appropriate CSV file for each loudspeaker.
- 5) Lather, rinse and repeat Step 4 to add additional CSV files.
- 6) Once one or more sets of coefficients have been loaded into the "Manage FIR Filters..." dialog, select the FIR you wish to use using the 1-n radio buttons in each FIR Filter module. Be sure to click the "Activate" button (it should be lit) to turn on the filter.

A brief note regarding Jupiter Sound Reinforcement apps:

It is good practice to reserve the PEQ, HPF, and LPF filters in Jupiter's Speaker Manager block for a loudspeaker's specified IIR filters. This will "protect" them from inadvertent adjustment during system commissioning. Sound Reinforcement #9 and Sound Reinforcement #10 apps provide additional 8-Band Parametric EQ blocks in Output DSP. These PEQ blocks are intended for system commissioning; they should be used to shape the loudspeaker's response to complement the installed environment.

Changes since 22Mar23 release:

Added RX4, RX5, RX6, and RX8 settings.

Questions?

If you have questions about loading Fulcrum's Level 1 settings in Jupiter processors that are not addressed here, please contact us at info@fulcrum-acoustic.com or via phone at +1 866 234 0678 x1.

RX Series & FX Series Level 1 Settings for Symetrix Jupiter Processors



<i>tq</i> install™	R4 v1 HF/LF	RX5 v1 HF/LF	RX6 v1 HF/LF	RX8 v1 HF/LF	RX599-16 v1 HF/LF	RX699-16 v2 ⁴ HF/LF	RX699-70V v2 ⁴ HF/LF	FX896 v1 HF/LF	FX1295 v1 HF/LF
GAIN ²	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB
DELAY	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms
POLARITY	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
HPF ³ Freq	109 Hz	70 Hz	60 Hz	60 Hz	80 Hz	70 Hz	70 Hz	70 Hz	70 Hz
Type	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly
Res	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
LPF Freq	Out	Out	Out	Out	Out	Out	Out	Out	Out
Type									
Res									
PEQ 1 Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	259 Hz	79 Hz	112 Hz	84 Hz	100 Hz	94 Hz	94 Hz	103 Hz	97 Hz
Gain	-1.50 dB	5.00 dB	1.50 dB	4.00 dB	2.00 dB	3.50 dB	3.50 dB	5.00 dB	7.00 dB
Q	1.400	1.000	1.200	1.800	0.900	1.540	1.540	2.650	1.660
PEQ 2 Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	335 Hz	119 Hz	188 Hz	150 Hz	163 Hz	325 Hz	325 Hz	141 Hz	154 Hz
Gain	1.00 dB	1.00 dB	1.50 dB	-1.50 dB	-1.50 dB	-1.00 dB	-1.00 dB	-2.50 dB	-2.50 dB
Q	2.000	3.000	2.800	2.500	2.050	2.660	2.660	2.000	1.670
PEQ 3 Shape		PEQ							
Freq		183 Hz							
Gain		-2.00 dB							
Q		2.000							
PEQ 4 Shape									
Freq									
Gain									
Q									
Load CSV File	RX4 v1 HF_LF FIR	RX5 v1 HF_LF FIR	RX6 v1 HF_LF FIR	RX8 v1 HF_LF FIR	RX599 v1 HF_LF FIR	RX699-16 v2 HF_LF FIR	RX699-70V v2 HF_LF FIR	FX896 v1 HF_LF FIR	FX1295 v1 HF_LF FIR

¹ Must use app that contains FIR Filter *and* Loudspeaker Manager blocks in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

³ Change the HF/LF high pass filter to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

⁴ Use -16 setting for 16 ohm operation, -70V setting for 70 volt operation.

GX Series Level 1 Settings for Symetrix Jupiter Processors



<i>tq</i> install™	GX1200 v1 HF/LF	GX1226 v1 HF/LF	GX1265 v2 HF/LF	GX1277 v1 HF/LF	GX1295 v1 HF/LF	GX1526 v1 HF/LF	GX1565 v1 HF/LF	GX1577 v1 HF/LF	GX1595 v1 HF/LF
GAIN ²	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	1.00 dB	0.00 dB	0.00 dB	0.00 dB
DELAY	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms
POLARITY	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
HPF ³	Freq	40 Hz	40 Hz	40 Hz	40 Hz	40 Hz	35 Hz	35 Hz	35 Hz
	Type	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly
	Res	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
LPF	Freq	Out	Out	Out	Out	Out	Out	Out	Out
	Type								
	Res								
PEQ 1	Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
	Freq	65 Hz	61 Hz	61 Hz	61 Hz	61 Hz	49 Hz	61 Hz	60 Hz
	Gain	7.00 dB	8.00 dB	8.00 dB	8.00 dB	8.00 dB	7.00 dB	4.50 dB	4.00 dB
	Q	1.250	0.750	0.800	0.750	0.800	1.200	1.750	2.100
PEQ 2	Shape	PEQ	PEQ		PEQ	PEQ	PEQ	PEQ	
	Freq	106 Hz	126 Hz		126 Hz	126 Hz	87 Hz	126 Hz	
	Gain	-0.50 dB	-1.00 dB		-1.00 dB	-1.00 dB	-1.50 dB	-0.50 dB	
	Q	2.000	2.000		2.000	2.000	1.800	2.000	
PEQ 3	Shape								
	Freq								
	Gain								
	Q								
PEQ 4	Shape								
	Freq								
	Gain								
	Q								
Load CSV File	GX1200 v1 HF_LF FIR	GX1226 v1 HF_LF FIR	GX1265 v2 HF_LF FIR	GX1277 v1 HF_LF FIR	GX1295 v1 HF_LF FIR	GX1526 v1 HF_LF FIR	GX1565 v1 HF_LF FIR	GX1577 v1 HF_LF FIR	GX1595 v1 HF_LF FIR

¹ Must use app that contains FIR Filter *and* Loudspeaker Manager blocks in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

³ Change the HF/LF high pass filter to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

CX Series Level 1 Settings for Symetrix Jupiter Processors



<i>tq</i> install™	CX826 v1 HF/LF	CX896 v5 HF/LF	CX1226 v1 HF/LF	CX1265 v4 HF/LF	CX1277 v1 HF/LF	CX1295 v4 HF/LF	CX1526 v1 HF/LF	CX1565 v4 HF/LF	CX1577 v1 HF/LF	CX1595 v4 HF/LF
GAIN ²	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB
DELAY	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms
POLARITY	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
HPF ³ Freq	70 Hz	70 Hz	65 Hz	65 Hz	65 Hz	65 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Type	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly
Res	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
LPF Freq	Out	Out	Out	Out	Out	Out	Out	Out	Out	Out
Type										
Res										
PEQ 1 Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	82 Hz	89 Hz	77 Hz	77 Hz	87 Hz	87 Hz	61 Hz	61 Hz	61 Hz	61 Hz
Gain	6.00 dB	1.50 dB	6.00 dB	5.00 dB	3.50 dB	5.00 dB	5.00 dB	6.50 dB	5.00 dB	6.50 dB
Q	6.300	2.000	1.260	1.180	1.260	1.260	1.500	1.190	1.600	1.400
PEQ 2 Shape		PEQ	PEQ	PEQ		PEQ	PEQ	PEQ	PEQ	PEQ
Freq		126 Hz	158 Hz	150 Hz		126 Hz	109 Hz	130 Hz	109 Hz	109 Hz
Gain		3.00 dB	1.50 dB	0.50 dB		-1.00 dB	3.00 dB	-1.50 dB	3.00 dB	3.00 dB
Q		2.000	0.500	2.050		2.050	1.000	0.790	1.000	1.000
PEQ 3 Shape								PEQ	PEQ	PEQ
Freq								266 Hz	251 Hz	251 Hz
Gain								-0.50 dB	-1.00 dB	-1.00 dB
Q								1.940	2.000	1.940
PEQ 4 Shape										
Freq										
Gain										
Q										
Load CSV File	CX826 v1 HF_LF FIR	CX896 v5 HF_LF FIR	CX1226 v1 HF_LF FIR	CX1265 v4 HF_LF FIR	CX1277 v1 HF_LF FIR	CX1295 v4 HF_LF FIR	CX1526 v1 HF_LF FIR	CX1565 v4 HF_LF FIR	CX1577 v1 HF_LF FIR	CX1595 v4 HF_LF FIR

¹ Must use app that contains FIR Filter *and* Loudspeaker Manager blocks in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

³ Change the HF/LF high pass filter to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

CCX12 & CCX15 Series Level 1 Settings for Symetrix Jupiter Processors



<i>tq</i> install™	CCX1200 v3 HF/LF	CCX1226 v3 HF/LF	CCX1265 v3 HF/LF	CCX1277 v3 HF/LF	CCX1295 v3 HF/LF	CCX1500 v2 HF/LF	CCX1526 v1 HF/LF	CCX1565 v1 HF/LF	CCX1577 v1 HF/LF	CCX1595 v1 HF/LF
GAIN ²	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB
DELAY	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms
POLARITY	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
HPF ³ Freq	65 Hz	65 Hz	65 Hz	65 Hz	65 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Type	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly
Res	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
LPF Freq	Out	Out	Out	Out	Out	Out	Out	Out	Out	Out
Type										
Res										
PEQ 1 Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	87 Hz	89 Hz	79 Hz	84 Hz	89 Hz	73 Hz	65 Hz	71 Hz	69 Hz	67 Hz
Gain	10.50 dB	9.00 dB	9.50 dB	11.50 dB	8.50 dB	10.00 dB	7.50 dB	8.00 dB	6.50 dB	8.50 dB
Q	0.930	0.980	1.300	1.200	1.400	1.070	1.250	1.250	1.100	1.300
PEQ 2 Shape		PEQ	PEQ			PEQ	PEQ	PEQ	PEQ	PEQ
Freq		230 Hz	133 Hz			141 Hz	126 Hz	130 Hz	183 Hz	178 Hz
Gain		-1.00 dB	-1.00 dB			-3.50 dB	-0.50 dB	-1.00 dB	1.00 dB	2.00 dB
Q		2.400	2.500			2.000	2.500	2.000	2.500	3.000
PEQ 3 Shape										
Freq										
Gain										
Q										
PEQ 4 Shape										
Freq										
Gain										
Q										
Load CSV File	CCX1200 v3 HF_LF FIR	CCX1226 v3 HF_LF FIR	CCX1265 v3 HF_LF FIR	CCX1277 v3 HF_LF FIR	CCX1295 v3 HF_LF FIR	CCX1500 v2 HF_LF FIR	CCX1526 v1 HF_LF FIR	CCX1565 v1 HF_LF FIR	CCX1577 v1 HF_LF FIR	CCX1595 v1 HF_LF FIR

¹ Must use app that contains FIR Filter *and* Loudspeaker Manager blocks in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

³ Change the HF/LF high pass filter to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

CCX8 Series, DF4 Series, DX896 Level 1 Settings for Symetrix Jupiter Processors



<i>tq</i> install™	CCX826 v1 HF/LF	CCX896 v1 HF/LF	DF443 v1 HF	DF463 v1 HF	DX896 v2 HF/LF
GAIN ²	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB
DELAY	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms
POLARITY	Normal	Normal	Normal	Normal	Normal
HPF ³ Freq	80 Hz	80 Hz	200 Hz	200 Hz	60 Hz
Type	24 dB Link/Rly	24 dB Link/Rly	24 dB Bessel	24 dB Bessel	24 dB Link/Rly
Res	1.00	1.00	1.00	1.00	1.00
LPF Freq	Out	Out	Out	Out	Out
Type					
Res					
PEQ 1 Shape	PEQ	PEQ			PEQ
Freq	84 Hz	84 Hz			71 Hz
Gain	9.50 dB	9.50 dB			3.00 dB
Q	1.300	1.300			1.000
PEQ 2 Shape	PEQ	PEQ			
Freq	183 Hz	183 Hz			
Gain	1.50 dB	1.50 dB			
Q	2.500	2.500			
PEQ 3 Shape					
Freq					
Gain					
Q					
PEQ 4 Shape					
Freq					
Gain					
Q					
Load CSV File	CCX826 v1 HF_LF FIR	CCX896 v1 HF_LF FIR	DF443 v1 HF FIR	DF463 v1 HF FIR	DX896 v2 HF_LF FIR

¹ Must use app that contains FIR Filter *and* Loudspeaker Manager blocks in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

³ Change the HF/LF high pass filter to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

DX12 Series Level 1 Settings for Symetrix Jupiter Processors



tq _{install}	DX1226 v1		DX1226 ROT v1 ⁴		DX1226fp v1	DX1265 v5		DX1265 ROT v5 ⁴		DX1265fp v1
	LF	HF/LF	LF	HF/LF		LF	HF/LF	LF	HF/LF	
GAIN ²	-1.00 dB	0.00 dB	-2.50 dB	0.00 dB	0.00 dB	-2.00 dB	0.00 dB	-2.00 dB	0.00 dB	0.00 dB
DELAY	1.292 ms	0.000 ms	0.896 ms	0.000 ms	0.000 ms	0.438 ms	0.000 ms	0.438 ms	0.000 ms	0.000 ms
POLARITY	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	N
HPF ³	Freq	45 Hz	45 Hz	45 Hz	45 Hz	45 Hz	45 Hz	45 Hz	45 Hz	58 Hz
	Type	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly
	Res	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
LPF	Freq	447 Hz	Out	422 Hz	Out	546 Hz	Out	546 Hz	Out	Out
	Type	24 dB Bessel		24 dB Btrwth		24 dB Bessel		24 dB Bessel		
	Res					1.00		1.00		
PEQ 1	Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
	Freq	49 Hz	56 Hz	50 Hz	60 Hz	58 Hz	56 Hz	61 Hz	56 Hz	58 Hz
	Gain	7.50 dB	9.00 dB	8.00 dB	7.50 dB	8.00 dB	6.50 dB	13.00 dB	6.50 dB	8.00 dB
	Q	0.730	0.800	0.670	0.980	0.630	1.000	0.510	1.000	0.600
PEQ 2	Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	
	Freq	133 Hz	79 Hz	133 Hz	79 Hz		89 Hz	137 Hz	89 Hz	137 Hz
	Gain	-1.00 dB	5.00 dB	-1.00 dB	5.00 dB		1.00 dB	-1.50 dB	1.00 dB	-1.50 dB
	Q	1.180	0.800	1.180	0.770		1.180	1.410	1.180	1.410
PEQ 3	Shape	PEQ		PEQ			PEQ		PEQ	
	Freq	398 Hz		398 Hz			410 Hz		410 Hz	
	Gain	-5.50 dB		-7.50 dB			-3.50 dB		-3.50 dB	
	Q	0.850		0.900			0.970		0.970	
PEQ 4	Shape						PEQ		PEQ	
	Freq						2,738 Hz		2,738 Hz	
	Gain						-8.50 dB		-8.50 dB	
	Q						1.420		1.420	
Load CSV File	None	DX1226 v1 HF_LF FIR	None	DX1226-ROT v1 HF_LF FIR	DX1226fp v1 HF_LF FIR	None	DX1265 v5 HF_LF FIR	None	DX1265-ROT v5 HF_LF FIR	DX1265fp v1 HF_LF FIR

¹ Must use app that contains FIR Filter *and* Loudspeaker Manager blocks in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

³ Change the LF *and* HF/LF high pass filters to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

⁴ Use when coax is rotated 90 degrees.

DX12 Series Level 1 Settings for Symetrix Jupiter Processors



tq _{install}	DX1277 v2		DX1277fp v1	DX1295 v6		DX1295 ROT v6 ⁴		DX1295fp v1
	LF	HF/LF	HF/LF	LF	HF/LF	LF	HF/LF	HF/LF
GAIN ²	-2.50 dB	0.00 dB	0.00 dB	0.00 dB	-3.50 dB	0.00 dB	-3.50 dB	0.00 dB
DELAY	1.396 ms	0.000 ms	0.000 ms	1.417 ms	0.000 ms	1.229 ms	0.000 ms	0.000 ms
POLARITY	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
HPF ³	Freq	45 Hz	45 Hz	45 Hz	45 Hz	45 Hz	45 Hz	45 Hz
	Type	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly
	Res	1.00	1.00	1.00	1.00	1.00	1.00	1.00
LPF	Freq	501 Hz	Out	Out	546 Hz	376 Hz	Out	Out
	Type	24 dB Bessel			24 dB Bessel	24 dB Bessel		
	Res					1.00		
PEQ 1	Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
	Freq	60 Hz	61 Hz	58 Hz	50 Hz	50 Hz	61 Hz	58 Hz
	Gain	6.50 dB	13.00 dB	8.00 dB	5.50 dB	5.50 dB	10.00 dB	8.00 dB
	Q	0.890	0.520	0.630	0.920	0.920	0.700	0.630
PEQ 2	Shape	PEQ	PEQ		PEQ	PEQ	PEQ	
	Freq	133 Hz	137 Hz		133 Hz	133 Hz	73 Hz	
	Gain	-1.00 dB	-1.50 dB		-1.00 dB	-1.00 dB	4.50 dB	
	Q	1.180	1.410		1.180	1.180	0.770	
PEQ 3	Shape	PEQ			PEQ	PEQ		
	Freq	376 Hz			421 Hz	365 Hz		
	Gain	-3.00 dB			-4.00 dB	-3.00 dB		
	Q	1.000			1.000	0.970		
PEQ 4	Shape				PEQ	PEQ		
	Freq				2,738 Hz	2,738 Hz		
	Gain				-8.50 dB	-8.50 dB		
	Q				1.420	1.420		
Load CSV File	None	DX1277 v2 HF_LF FIR	DX1277fp v1 HF_LF FIR	None	DX1295 v6 HF_LF FIR	None	DX1295-ROT v6 HF_LF FIR	DX1295fp v1 HF_LF FIR

¹ Must use app that contains FIR Filter *and* Loudspeaker Manager blocks in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

³ Change the LF *and* HF/LF high pass filters to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

⁴ Use when coax is rotated 90 degrees.

DX15 Series Level 1 Settings for Symetrix Jupiter Processors



tq _{install}	DX1526 v1		DX1526 ROT v1 ⁴		DX1565 v5		DX1565 ROT v5 ⁴	
	LF	HF/LF	LF	HF/LF	LF	HF/LF	LF	HF/LF
GAIN ²	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB
DELAY	0.000 ms	0.000 ms	0.000 ms	0.354 ms	0.000 ms	0.083 ms	0.188 ms	0.000 ms
POLARITY	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
HPF ³	Freq	38 Hz	38 Hz	38 Hz	38 Hz	38 Hz	38 Hz	38 Hz
	Type	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly
	Res	1.00	1.00	1.00	1.00	1.00	1.00	1.00
LPF	Freq	398 Hz	Out	299 Hz	Out	387 Hz	Out	387 Hz
	Type	24 dB Bessel		24 dB Bessel		24 dB Bessel		24 dB Bessel
	Res	1.00		1.00		1.00		
PEQ 1	Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
	Freq	43 Hz	50 Hz	43 Hz	50 Hz	43 Hz	50 Hz	50 Hz
	Gain	6.50 dB	11.50 dB	6.50 dB	11.50 dB	6.50 dB	11.50 dB	13.00 dB
	Q	0.950	0.750	0.950	0.750	0.920	0.730	0.880
PEQ 2	Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
	Freq	126 Hz	178 Hz	126 Hz	178 Hz	168 Hz	178 Hz	141 Hz
	Gain	-1.00 dB	4.00 dB	-1.00 dB	4.00 dB	-1.00 dB	2.00 dB	-1.00 dB
	Q	2.000	2.600	2.000	2.600	1.190	2.370	2.370
PEQ 3	Shape	PEQ		PEQ		PEQ		PEQ
	Freq	387 Hz		387 Hz		325 Hz		325 Hz
	Gain	-4.50 dB		-4.50 dB		-2.00 dB		-3.50 dB
	Q	1.600		1.600		1.060		1.060
PEQ 4	Shape	PEQ		PEQ		PEQ		PEQ
	Freq	1,778 Hz		1,778 Hz		1,334 Hz		1,334 Hz
	Gain	-4.00 dB		-4.00 dB		3.50 dB		3.50 dB
	Q	2.500		2.500		2.000		2.000
Load CSV File	None	DX1526 v1 HF_LF FIR	None	DX1526-ROT v1 HF_LF FIR	None	DX1565 v5 HF_LF FIR	None	DX1565-ROT v5 HF_LF FIR

¹ Must use app that contains FIR Filter *and* Loudspeaker Manager blocks in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

³ Change the LF *and* HF/LF high pass filters to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

⁴ Use when coax is rotated 90 degrees.

DX15 Series Level 1 Settings for Symetrix Jupiter Processors



tq _{install}		DX1577 v1		DX1595 v5		DX1595 ROT v5 ⁴	
		LF	HF/LF	LF	HF/LF	LF	HF/LF
GAIN ²		0.00 dB	0.00 dB	-1.00 dB	0.00 dB	0.00 dB	0.00 dB
DELAY		0.000 ms	0.188 ms	0.333 ms	0.000 ms	0.000 ms	0.042 ms
POLARITY		Normal	Normal	Normal	Normal	Normal	Normal
HPF ³	Freq	38 Hz	38 Hz	38 Hz	38 Hz	38 Hz	38 Hz
	Type	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly
	Res	1.00	1.00	1.00	1.00	1.00	1.00
LPF	Freq	376 Hz	Out	387 Hz	Out	335 Hz	Out
	Type	24 dB Bessel		24 dB Bessel		24 dB Bessel	
	Res	1.00		1.00		1.00	
PEQ 1	Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
	Freq	43 Hz	50 Hz	47 Hz	56 Hz	49 Hz	50 Hz
	Gain	6.50 dB	11.50 dB	6.50 dB	15.00 dB	4.00 dB	14.00 dB
	Q	0.900	0.730	1.000	0.700	0.920	0.820
PEQ 2	Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
	Freq	126 Hz	178 Hz	133 Hz	133 Hz	145 Hz	63 Hz
	Gain	-1.00 dB	3.00 dB	-0.50 dB	-3.50 dB	-1.50 dB	3.00 dB
	Q	2.000	2.400	1.190	1.000	1.410	0.770
PEQ 3	Shape	PEQ		PEQ		PEQ	PEQ
	Freq	376 Hz		355 Hz		335 Hz	122 Hz
	Gain	-3.00 dB		-2.50 dB		-3.50 dB	-2.50 dB
	Q	1.630		1.590		1.590	2.370
PEQ 4	Shape			PEQ		PEQ	
	Freq			1,334 Hz		1,334 Hz	
	Gain			3.50 dB		3.50 dB	
	Q			2.000		2.000	
Load CSV File		None	DX1577 v1 HF_LF FIR	None	DX1595 v5 HF_LF FIR	None	DX1595-ROT v5 HF_LF FIR


¹ Must use app that contains FIR Filter *and* Loudspeaker Manager blocks in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

³ Change the LF *and* HF/LF high pass filters to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

⁴ Use when coax is rotated 90 degrees.

FL Series Level 1 Settings for Symetrix Jupiter Processors

							
	FL283 v3 1 Box HF/LF	FL283 v3 4 Boxes HF/LF	FL283 v3 6 Boxes HF/LF	FL283 v3 8 Boxes HF/LF	FL283 v3 12 Boxes HF/LF	FL283 v3 Flat4 Boxes HF/LF	FLS115 v1 VLF
GAIN ²	0.00 dB	0.00 dB	0.00 dB	0.00 dB	1.00 dB	0.00 dB	-6.30 dB
DELAY	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms
POLARITY	Normal	Normal	Normal	Normal	Normal	Normal	Normal
HPF ³	Freq	40 Hz	40 Hz	40 Hz	40 Hz	40 Hz	35 Hz
	Type	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly
	Res	1.00	1.00	1.00	1.00	1.00	1.00
LPF	Freq	Out	Out	Out	Out	Out	100 Hz
	Type						24 dB Btrwrth
	Res						1.00
PEQ 1	Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
	Freq	69 Hz	69 Hz	69 Hz	69 Hz	69 Hz	41 Hz
	Gain	12.00 dB	12.00 dB	12.00 dB	12.00 dB	12.00 dB	11.00 dB
	Q	0.870	0.870	0.870	0.870	0.870	0.750
PEQ 2	Shape						
	Freq						
	Gain						
	Q						
PEQ 3	Shape						
	Freq						
	Gain						
	Q						
PEQ 4	Shape						
	Freq						
	Gain						
	Q						
Load CSV File	FL283 1 Box v3 HF_LF FIR	FL283 4 Box v3 HF_LF FIR	FL283 6 Box v3 HF_LF FIR	FL283 8 Box v3 HF_LF FIR	FL283 12 Box v3 HF_LF FIR	FL283 Flat4 Box v3 HF_LF FIR	None

¹ Must use app that contains FIR Filter *and* Loudspeaker Manager blocks in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

³ Change the HF/LF high pass filter to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

AHC2 Series Level 1 Settings for Symetrix Jupiter Processors



tq _{install}		AHC265 v2		AHC266 v2		AHC295 v2		AHC296 v2	
		LF	HF	LF	HF	LF	HF	LF	HF
GAIN ²		0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB
DELAY		0.542 ms	0.000 ms	0.000 ms	0.521 ms	0.000 ms	0.583 ms	0.000 ms	0.771 ms
POLARITY		Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
HPF	Freq	69 Hz	274 Hz	69 Hz	Out	69 Hz	224 Hz	69 Hz	365 Hz
	Type	24 dB Btrwrth	24 dB Btrwrth	24 dB Btrwrth		24 dB Btrwrth	24 dB Btrwrth	24 dB Btrwrth	12 dB Bessel
	Res	1.00	1.00	1.00		1.00	1.00	1.00	1.00
LPF	Freq	Out	Out	Out	Out	Out	Out	Out	Out
	Type								
	Res								
PEQ 1	Shape	PEQ		PEQ		PEQ		PEQ	
	Freq	75 Hz		75 Hz		87 Hz		106 Hz	
	Gain	1.50 dB		1.50 dB		-4.00 dB		6.50 dB	
	Q	1.600		1.500		3.000		1.450	
PEQ 2	Shape	PEQ		PEQ		PEQ		PEQ	
	Freq	87 Hz		92 Hz		106 Hz		133 Hz	
	Gain	-4.50 dB		-4.00 dB		4.00 dB		6.00 dB	
	Q	3.700		5.000		3.700		0.900	
PEQ 3	Shape	PEQ		PEQ		PEQ		PEQ	
	Freq	106 Hz		109 Hz		133 Hz		177 Hz	
	Gain	3.00 dB		3.00 dB		-1.50 dB		-1.50 dB	
	Q	5.500		2.500		2.300		1.200	
PEQ 4	Shape								
	Freq								
	Gain								
	Q								
Load CSV File		AHC265 v2 LF FIR	AHC265 v2 HF FIR	AHC266 v2 LF FIR	AHC266 v2 HF FIR	AHC295 v2 LF FIR	AHC295 v2 HF FIR	AHC296 v2 LF FIR	AHC296 v2 HF FIR

¹ Must use app that contains FIR Filter *and* Loudspeaker Manager blocks in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

AHC4 Series Level 1 Settings for Symetrix Jupiter Processors



tq _{install}		AHC443 v3		AHC463 v2	
		LF	HF	LF	HF
GAIN ²		0.00 dB	0.00 dB	0.00 dB	0.00 dB
DELAY		0.000 ms	2.458 ms	0.000 ms	2.104 ms
POLARITY		Normal	Normal	Normal	Normal
HPF	Freq	56 Hz	501 Hz	56 Hz	299 Hz
	Type	24 dB Btrwrth	12 dB Bessel	24 dB Btrwrth	12 dB Bessel
	Res	1.00	1.00	1.00	1.00
LPF	Freq	Out	Out	Out	Out
	Type				
	Res				
PEQ 1	Shape	PEQ		PEQ	
	Freq	77 Hz		75 Hz	
	Gain	-3.00 dB		-4.50 dB	
	Q	3.000		4.000	
PEQ 2	Shape	PEQ		PEQ	
	Freq	94 Hz		82 Hz	
	Gain	4.50 dB		3.00 dB	
	Q	1.900		0.800	
PEQ 3	Shape	PEQ		PEQ	
	Freq	141 Hz		178 Hz	
	Gain	1.00 dB		-2.50 dB	
	Q	2.000		2.000	
PEQ 4	Shape				
	Freq				
	Gain				
	Q				
Load CSV File		AHC443 v3 LF FIR	AHC443 v3 HF FIR	AHC463 v2 LF FIR	AHC463 v2 HF FIR

¹ Must use app that contains FIR Filter *and* Loudspeaker Manager blocks in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

AH Series Level 1 Settings for Symetrix Jupiter Processors




tq _{install}	AH443 v1		AH463 v2		AH65 v4		AH66 v1		AH96 v5	
	LF	HF	LF	HF	LF	HF	LF	HF	LF	HF
GAIN ²	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	4.00 dB
DELAY	0.000 ms	0.688 ms	0.000 ms	0.646 ms	0.417 ms	0.000 ms	0.000 ms	0.500 ms	0.000 ms	0.604 ms
POLARITY	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
HPF	56 Hz	501 Hz	56 Hz	501 Hz	69 Hz	501 Hz	69 Hz	365 Hz	69 Hz	365 Hz
Freq	24 dB Btrwrth	12 dB Bessel	24 dB Btrwrth	12 dB Bessel	24 dB Btrwrth	12 dB Bessel	24 dB Btrwrth	12 dB Bessel	24 dB Btrwrth	12 dB Bessel
Type	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Res										
LPF	Out	Out	Out	Out	Out	Out	Out	Out	Out	Out
Freq										
Type										
Res										
PEQ 1	Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	79 Hz	79 Hz	79 Hz	79 Hz	87 Hz	77 Hz	77 Hz	77 Hz	77 Hz	77 Hz
Gain	-2.50 dB	-2.50 dB	-2.50 dB	-2.50 dB	-4.00 dB	-4.00 dB	-4.00 dB	-4.00 dB	-4.00 dB	-4.00 dB
Q	3.000	3.000	3.000	3.000	6.000	3.980	3.980	3.980	3.980	3.980
PEQ 2	Shape				PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq					112 Hz	115 Hz	115 Hz	115 Hz	115 Hz	115 Hz
Gain					3.00 dB	6.50 dB	6.50 dB	6.50 dB	6.50 dB	6.50 dB
Q					1.800	0.740	0.740	0.740	0.740	0.740
PEQ 3	Shape				PEQ					
Freq					211 Hz					
Gain					1.50 dB					
Q					2.000					
PEQ 4	Shape									
Freq										
Gain										
Q										
Load CSV File	AH443 v1	AH443 v1	AH463 v2	AH463 v2	AH65 v4	AH65 v4	AH66 v1	AH66 v1	AH96 v5	AH96 v5
	LF FIR	HF FIR	LF FIR	HF FIR	LF FIR	HF FIR	LF FIR	HF FIR	LF FIR	HF FIR

¹ Must use app that contains FIR Filter *and* Loudspeaker Manager blocks in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

FH Series Level 1 Settings for Symetrix Jupiter Processors

		FH1565 v2 HF/LF	FH1566 v1 HF/LF	FH1595 v1 HF/LF	FH1596 v2 HF/LF
GAIN ²		0.00 dB	0.00 dB	0.00 dB	0.00 dB
DELAY		0.000 ms	0.000 ms	0.000 ms	0.000 ms
POLARITY		Normal	Normal	Normal	Normal
HPF ^{3,4}	Freq	50 Hz	50 Hz	50 Hz	50 Hz
	Type	24 dB Btrwrth	24 dB Btrwrth	24 dB Btrwrth	24 dB Btrwrth
	Res	1.00	1.00	1.00	1.00
LPF	Freq	Out	Out	Out	Out
	Type				
	Res				
PEQ 1	Shape	PEQ	PEQ	PEQ	PEQ
	Freq	71 Hz	71 Hz	71 Hz	71 Hz
	Gain	8.50 dB	8.50 dB	6.50 dB	6.50 dB
	Q	0.550	0.550	0.700	0.550
PEQ 2	Shape			PEQ	
	Freq			178 Hz	
	Gain			1.00 dB	
	Q			2.000	
PEQ 3	Shape				
	Freq				
	Gain				
	Q				
PEQ 4	Shape				
	Freq				
	Gain				
	Q				
Load CSV File		FH1565 v2 HF_LF FIR	FH1566 v1 HF_LF FIR	FH1596 v2 HF_LF FIR	FH1596 v2 HF_LF FIR

¹ Must use app that contains FIR Filter *and* Loudspeaker Manager blocks in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

³ Change the LF *and* HF/LF high pass filters to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

⁴ High pass filters may be bypassed for high fidelity playback or studio monitor applications. Leave in place for high continuous SPL applications.

Prophile Series Level 1 Settings for Symetrix Jupiter Processors



prophile™	P v4		S v5		M v6		L v2		XL v6 [CLUB] ⁴		XL v7 [FLAT] ⁵	
	HF/LF		HF/LF		LF HF/LF		LF HF/LF		LF HF		LF HF	
GAIN ²	0.00 dB		0.00 dB		0.00 dB -5.00 dB		2.50 dB 0.00 dB		-1.50 dB 1.00 dB		0.00 dB 0.00 dB	
DELAY	0.000 ms		0.000 ms		0.833 ms 0.000 ms		0.000 ms 0.250 ms		0.000 ms 7.292 ms		0.000 ms 7.292 ms	
POLARITY	Normal		Normal		Normal Normal		Normal Normal		Normal Normal		Normal Normal	
HPF ³	Freq	80 Hz	65 Hz		45 Hz	45 Hz	30 Hz	30 Hz	65 Hz	Out	65 Hz	Out
	Type	24 dB Link/Rly	24 dB Link/Rly		24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly		24 dB Link/Rly	
	Res	1.00	1.00		1.00	1.00	1.00	1.00	1.00		1.00	
LPF	Freq	Out	Out		447 Hz	Out	376 Hz	Out	444 Hz	Out	444 Hz	Out
	Type				24 dB Bessel		24 dB Bessel		12 dB Bessel		12 dB Bessel	
	Res				1.00		1.00		1.00		1.00	
PEQ 1	Shape		PEQ		PEQ	PEQ	PEQ	PEQ	PEQ		PEQ	
	Freq		89 Hz		53 Hz	58 Hz	45 Hz	43 Hz	71 Hz		71 Hz	
	Gain		3.00 dB		4.50 dB	6.50 dB	2.00 dB	9.50 dB	8.50 dB		8.00 dB	
	Q		1.410		1.410	0.590	0.630	0.800	1.500		1.650	
PEQ 2	Shape		PEQ		PEQ	PEQ	PEQ	PEQ	PEQ		PEQ	
	Freq		200 Hz		84 Hz	173 Hz	141 Hz	119 Hz	183 Hz		183 Hz	
	Gain		1.00 dB		3.50 dB	1.00 dB	-2.00 dB	-1.50 dB	-6.00 dB		-6.00 dB	
	Q		2.420		1.880	0.820	1.300	2.100	2.050		2.050	
PEQ 3	Shape				PEQ		PEQ	PEQ	PEQ		PEQ	
	Freq				355 Hz		460 Hz	237 Hz	355 Hz		345 Hz	
	Gain				-1.00 dB		-6.00 dB	-0.50 dB	-2.50 dB		-3.50 dB	
	Q				0.500		1.000	1.100	3.450		3.350	
PEQ 4	Shape				PEQ				PEQ		PEQ	
	Freq				487 Hz				596 Hz		596 Hz	
	Gain				-2.50 dB				2.50 dB		2.50 dB	
	Q				2.000				2.000		2.000	
Load CSV File	P v4	S v5			M v6		L v2		XL v6	XL v6	XL v7	XL v7
	HF_LF FIR	HF_LF FIR			HF_LF FIR		HF_LF FIR		LF FIR	HF FIR	LF FIR	HF FIR

¹ Must use app that contains FIR Filter *and* Loudspeaker Manager blocks in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

³ Change the LF *and* HF/LF high pass filters to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

⁴ "Club" tuning for EDM applications. Voicing is tilted down 1 dB per octave over the loudspeaker's operating range.

⁵ "Flat" tuning for use in live sound reinforcement applications.

FA Level 1 Settings for Symetrix Jupiter Processors



faPORTABLE ¹	FA28 v2 HF/LF	FA28-SM v2 ⁴ HF/LF	FA12 v2 HF/LF	FA12-SM v2 ⁴ HF/LF	FA15 v1 HF/LF	FA15-SM v1 ⁴ HF/LF
GAIN ²	0.00 dB	0.00 dB	2.50 dB	2.50 dB	0.00 dB	0.00 dB
DELAY	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms
POLARITY	Normal	Normal	Normal	Normal	Normal	Normal
HPF ³ Freq	40 Hz	40 Hz	42 Hz	42 Hz	32 Hz	32 Hz
Type	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly
Res	1.00	1.00	1.00	1.00	1.00	1.00
LPF ³ Freq	Out	Out	Out	Out	Out	Out
Type						
Res						
PEQ 1 Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	55 Hz	55 Hz	55 Hz	55 Hz	52 Hz	52 Hz
Gain	7.50 dB	6.50 dB	6.50 dB	6.50 dB	8.00 dB	8.00 dB
Q	0.640	0.750	0.520	0.520	0.550	0.550
PEQ 2 Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	112 Hz	60 Hz	133 Hz	75 Hz	79 Hz	79 Hz
Gain	-1.50 dB	-2.00 dB	-2.00 dB	-4.00 dB	-1.00 dB	-1.00 dB
Q	1.500	2.440	2.000	3.000	2.000	2.000
PEQ 3 Shape		PEQ		PEQ		PEQ
Freq		130 Hz		133 Hz		89 Hz
Gain		-2.50 dB		-2.00 dB		-2.00 dB
Q		1.880		2.000		2.370
PEQ 4 Shape						
Freq						
Gain						
Q						
Load CSV File	FA28 v2 HF_LF FIR	FA28-SM v2 HF_LF FIR	FA12 v2 HF_LF FIR	FA12-SM v2 HF_LF FIR	FA15 v1 HF_LF FIR	FA15-SM v1 HF_LF FIR

¹ Must use app that contains Loudspeaker Manager block in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

³ Change the HF/LF high pass filter to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

⁴ Use -SM settings when FA28, FA12, and FA15 are used in stage monitor application.

FA Level 1 Settings for Symetrix Jupiter Processors



faPORTABLE ¹	FA22 v1		FA22-SM v1 ⁴		FA22-60 v1		FA22-60-SM v1 ⁴	
	LF	HF/LF	LF	HF/LF	LF	HF/LF	LF	HF/LF
GAIN ²	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB	0.00 dB
DELAY	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.542 ms	0.000 ms	0.542 ms
POLARITY	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
HPF ³	Freq	40 Hz	40 Hz	40 Hz	40 Hz	40 Hz	40 Hz	40 Hz
	Type	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly
	Res	1.00	1.00	1.00	1.00	1.00	1.00	1.00
LPF ³	Freq	Out	Out	Out	Out	Out	Out	Out
	Type							
	Res							
PEQ 1	Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
	Freq	50 Hz	52 Hz	53 Hz	53 Hz	58 Hz	56 Hz	60 Hz
	Gain	7.00 dB	8.00 dB	5.00 dB	5.00 dB	6.00 dB	6.00 dB	3.50 dB
	Q	1.100	1.050	1.400	1.700	1.300	1.100	2.050
PEQ 2	Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
	Freq	79 Hz	130 Hz	87 Hz	130 Hz	126 Hz	126 Hz	84 Hz
	Gain	1.50 dB	-3.00 dB	-1.50 dB	-2.00 dB	-1.50 dB	-1.00 dB	-2.50 dB
	Q	2.000	3.700	5.200	3.550	2.000	3.000	2.740
PEQ 3	Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
	Freq	137 Hz	200 Hz	137 Hz	200 Hz	183 Hz	126 Hz	130 Hz
	Gain	-3.50 dB	2.50 dB	-2.50 dB	2.50 dB	2.00 dB	-1.00 dB	-0.50 dB
	Q	1.700	3.000	2.370	3.450	2.820	2.440	4.000
PEQ 4	Shape	PEQ	PEQ	PEQ	PEQ			PEQ
	Freq	299 Hz	299 Hz	325 Hz	316 Hz			183 Hz
	Gain	-2.50 dB	-2.00 dB	-2.00 dB	-1.50 dB			2.00 dB
	Q	1.900	1.900	1.450	2.180			2.440
Load CSV File	FA22 v1	FA22 v1	FA22-SM v1	FA22-SM v1	FA22-60 v1	FA22-60 v1	FA22-60-SM v1	FA22-60-SM v1
	LF FIR	HF_LF FIR	LF FIR	HF_LF FIR	LF FIR	HF_LF FIR	LF FIR	HF_LF FIR

¹ Must use app that contains Loudspeaker Manager block in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

³ Change the LF and HF/LF high pass filters to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

⁴ Use -SM settings when FA22 and FA22-60 are used in stage monitor application.

TS Series Settings for Symetrix Jupiter Processors




faPORTABLE.		TS212 v1 VLF	TS215 v2 VLF	TS221 v1 VLF
GAIN ²		4.00 dB	0.50 dB	1.50 dB
DELAY		0.000 ms	0.000 ms	0.000 ms
POLARITY		Normal	Normal	Normal
HPF ³	Freq	30 Hz	31 Hz	24 Hz
	Type	24 dB Bessel	24 dB Btrwrth	24 dB Btrwrth
	Res	1.00	1.00	1.00
LPF ³	Freq	100 Hz	100 Hz	100 Hz
	Type	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly
	Res	1.00	1.00	1.00
PEQ 1	Shape	PEQ	PEQ	PEQ
	Freq	42 Hz	33 Hz	39 Hz
	Gain	-1.00 dB	5.50 dB	4.00 dB
	Q	3.550	0.500	1.170
PEQ 2	Shape	PEQ	PEQ	PEQ
	Freq	65 Hz	37 Hz	150 Hz
	Gain	2.00 dB	-2.00 dB	-1.00 dB
	Q	1.150	4.500	1.580
PEQ 3	Shape	PEQ	PEQ	
	Freq	282 Hz	188 Hz	
	Gain	-9.50 dB	-3.50 dB	
	Q	0.630	0.790	
PEQ 4	Shape			
	Freq			
	Gain			
	Q			
Load CSV File		None	None	None

¹ Must use app that contains Loudspeaker Manager block in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

³ The LPF may be varied from 80 to 125 Hz to suit application requirements.

Cardioid Subwoofer Settings for Symetrix Jupiter Processors

		CS118 v1 VLF	CS121 v1 VLF	CS212L v1 VLF	CS218L v1 VLF
GAIN ²		-1.00 dB	-1.50 dB	-2.50 dB	-0.50 dB
DELAY		0.000 ms	0.000 ms	0.000 ms	0.000 ms
POLARITY		Normal	Normal	Normal	Normal
HPF	Freq	28 Hz	28 Hz	32 Hz	32 Hz
	Type	24 dB Btrwrth	24 dB Btrwrth	24 dB Btrwrth	24 dB Btrwrth
	Res	1.00	1.00	1.00	1.00
LPF ³	Freq	100 Hz	100 Hz	100 Hz	100 Hz
	Type	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly
	Res	1.00	1.00	1.00	1.00
PEQ 1	Shape	PEQ	PEQ	PEQ	PEQ
	Freq	37 Hz	33 Hz	47 Hz	42 Hz
	Gain	8.00 dB	10.50 dB	6.00 dB	6.50 dB
	Q	1.200	1.200	1.000	1.680
PEQ 2	Shape	PEQ		PEQ	PEQ
	Freq	73 Hz		133 Hz	376 Hz
	Gain	-1.00 dB		4.00 dB	-2.50 dB
	Q	1.330		1.220	1.030
PEQ 3	Shape			PEQ	
	Freq			205 Hz	
	Gain			-6.00 dB	
	Q			4.000	
PEQ 4	Shape				
	Freq				
	Gain				
	Q				
Load CSV File		None	None	None	None

¹ Must use app that contains Loudspeaker Manager block in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

³ The LPF may be varied from 80 to 125 Hz to suit application requirements.

Subwoofer Settings for Symetrix Jupiter Processors



VLF <i>Install</i>		US208 v1 VLF	US212 v2 VLF	US221 v2 VLF	Sub 112 v3 VLF	Sub115 v3 VLF	Sub118 v1 VLF	Sub215 v7 VLF	Sub215L v1 VLF	Sub218 v1 VLF	Sub218L v1 VLF
GAIN ²		2.50 dB	3.00 dB	2.00 dB	1.00 dB	2.50 dB	1.00 dB	0.50 dB	0.50 dB	1.50 dB	1.50 dB
DELAY		0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms	0.000 ms
POLARITY		Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
HPF	Freq	33 Hz	40 Hz	28 Hz	38 Hz	30 Hz	26 Hz	26 Hz	24 Hz	26 Hz	25 Hz
	Type	24 dB Btrwrth	24 dB Btrwrth	24 dB Btrwrth	24 dB Btrwrth	24 dB Btrwrth	24 dB Btrwrth	24 dB Btrwrth	24 dB Btrwrth	24 dB Btrwrth	24 dB Btrwrth
	Res	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
LPF ³	Freq	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
	Type	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly	24 dB Link/Rly
	Res	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PEQ 1	Shape	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
	Freq	43 Hz	69 Hz	39 Hz	42 Hz	71 Hz	37 Hz	31 Hz	31 Hz	33 Hz	28 Hz
	Gain	-1.00 dB	2.50 dB	3.50 dB	4.50 dB	2.00 dB	3.00 dB	6.00 dB	6.00 dB	3.00 dB	4.00 dB
	Q	2.800	1.150	1.000	1.260	1.060	0.870	0.880	0.880	0.870	1.050
PEQ 2	Shape	PEQ	PEQ	PEQ	PEQ	PEQ		PEQ	PEQ		PEQ
	Freq	60 Hz	282 Hz	150 Hz	168 Hz	150 Hz		183 Hz	137 Hz		224 Hz
	Gain	2.00 dB	-8.00 dB	-4.00 dB	-3.50 dB	-4.00 dB		-4.50 dB	-5.00 dB		3.00 dB
	Q	1.500	0.670	1.580	1.330	0.940		0.750	1.000		2.250
PEQ 3	Shape	PEQ									
	Freq	94 Hz									
	Gain	1.50 dB									
	Q	2.000									
PEQ 4	Shape	PEQ									
	Freq	282 Hz									
	Gain	-3.50 dB									
	Q	0.470									
Load CSV File		None	None	None	None	None	None	None	None	None	None

¹ Must use app that contains Loudspeaker Manager block in Output DSP.

² Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

³ The LPF may be varied from 80 to 125 Hz to suit application requirements.