

# Xlc127+3W118 DN9848(e) P3000 0dBu V2.6

Output levels and limiter settings assume equal amplifier power to each passband with amplifier input sensitivity of 0dBu

**Output 1   Output 2   Output 3   Output 4   Output 5   Output 6   Output 7   Output 8**

<b>Output Label</b>	Xlc 118	127+ LF	127+ MB	127+ HF	Xlc 118	127+ LF	127+ MB	127+ HF
<b>Output Delay</b>	1.85ms	916.67us	562.5us	0s	1.85ms	916.67us	562.5us	0s
<b>Polarity Invert</b>	no	no	no	no	no	no	no	no
<b>Output Gain</b>	0dB	1dB	-5dB	-6dB	0dB	1dB	-5dB	-6dB
<b>HP Filter</b>								
Type	BW24	LR24	LR24	LR24	BW24	LR24	LR24	LR24
Frequency	33.7Hz	100Hz	500Hz	1.6kHz	33.7Hz	100Hz	500Hz	1.6kHz
<b>LP Filter</b>								
Type	LR24	LR24	LR24	BW24	LR24	LR24	LR24	BW24
Frequency	100Hz	500Hz	1.6kHz	16kHz	100Hz	500Hz	1.6kHz	16kHz
<b>All-Pass Filter</b>								
Frequency								
Slope	off	off	off	off	off	off	off	off
Q								
<b>Filter 1</b>								
Filter Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Frequency	37.4Hz	125Hz	227Hz	1kHz	37.4Hz	125Hz	227Hz	1kHz
Q	2.87	2.04	2.87	4.8	2.87	2.04	2.87	4.8
Gain	4dB	2dB	2dB	-6dB	4dB	2dB	2dB	-6dB
<b>Filter 2</b>								
Filter Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Frequency	200Hz	484Hz	650Hz	2.27kHz	200Hz	484Hz	650Hz	2.27kHz
Q	0.92	2.87	1.78	1.78	0.92	2.87	1.78	1.78
Gain	-2dB	1dB	-3dB	-12dB	-2dB	1dB	-3dB	-12dB
<b>Filter 3</b>								
Filter Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Frequency	800Hz	591Hz	2.13kHz	4.84kHz	800Hz	591Hz	2.13kHz	4.84kHz
Q	1.41	1.78	2.87	1.78	1.41	1.78	2.87	1.78
Gain	-8dB	-9dB	3dB	-2dB	-8dB	-9dB	3dB	-2dB
<b>Filter 4</b>								
Filter Type		PEQ	PEQ	PEQ		PEQ	PEQ	PEQ
Frequency		1.21kHz	2.2kHz	14.5kHz		1.21kHz	2.2kHz	14.5kHz
Q		2.87	4.8	1.58		2.87	4.8	1.58
Gain		-4dB	-4dB	6dB		-4dB	-4dB	6dB
<b>Filter 5</b>								
Filter Type			PEQ	PEQ			PEQ	PEQ
Frequency			750Hz	826Hz			750Hz	826Hz
Q			4.8	7.21			4.8	7.21
Gain			1dB	-1dB			1dB	-1dB
<b>Filter 6</b>								
Filter Type								
Frequency								
Q								
Gain								
<b>Compressor</b>								
Threshold (dBu)								
Ratio (N to 1)								
Insert (In/Out)	out	out	out	out	out	out	out	out
Attack (us)								
Release (ms)								
Knee (Hard/Soft)								
<b>Limiter</b>								
Threshold (dBu)	2dBu	0dBu	0dBu	-2dBu	2dBu	0dBu	0dBu	-2dBu
Release (ms)	200ms	150ms	20ms	3ms	200ms	150ms	20ms	3ms

**Notes:** DN9848e and DN9848 with firmware V4.01 and higher have the ability to toggle between Q and BW for parametric filters. DN9848 with firmware V3.05 and older only use BW, use attached conversion spreadsheet to convert. Do not adjust output filters, use input filters for room and system tuning. DN9848 with firmware V3.05 and older has a maximum of 100ms release time for limiters. For these versions, change Subwoofer and LF release times to 100ms.

## DN9848e BW to Q conversion

Q value	BW value
18.03	0.08
14.42	0.1
7.21	0.2
4.8	0.3
3.6	0.4
2.87	0.5
2.39	0.6
2.04	0.7

Q value	BW value
1.78	0.8
1.58	0.9
1.41	1
1.17	1.2
0.92	1.5
0.67	2
0.511	2.5
0.4	3