

# Xlc127+2W215 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 215	127+ LF	127+ MHF		Xlc 215	127+ LF	127+ MHF	
<b>Output Delay</b>	1.85ms	916.67us	666.67us		1.85ms	916.67us	666.67us	
<b>Polarity Invert</b>	no	no	no		no	no	no	
<b>Output Gain</b>	0dB	1dB	-3dB		0dB	1dB	-3dB	
<b>HP Filter</b>								
Type	BW24	LR24	LR24		BW24	LR24	LR24	
Frequency	33.7Hz	100Hz	500Hz		33.7Hz	100Hz	500Hz	
<b>LP Filter</b>								
Type	LR24	LR24	BW24		LR24	LR24	BW24	
Frequency	100Hz	500Hz	16kHz		100Hz	500Hz	16kHz	
<b>All-Pass Filter</b>								
Frequency								
Slope	off	off	off		off	off	off	
Q								
<b>Filter 1</b>								
Filter Type	PEQ	PEQ	PEQ		PEQ	PEQ	PEQ	
Frequency	37.4Hz	125Hz	630Hz		37.4Hz	125Hz	630Hz	
Slope/Q	0.67	2.04	1.41		0.67	2.04	1.41	
Gain	2dB	2dB	-2dB		2dB	2dB	-2dB	
<b>Filter 2</b>								
Filter Type	PEQ	PEQ	PEQ		PEQ	PEQ	PEQ	
Frequency	117Hz	484Hz	1.6kHz		117Hz	484Hz	1.6kHz	
Q	2.04	2.87	4.8		2.04	2.87	4.8	
Gain	-3dB	1dB	2dB		-3dB	1dB	2dB	
<b>Filter 3</b>								
Filter Type	PEQ	PEQ	PEQ		PEQ	PEQ	PEQ	
Frequency	374Hz	591Hz	3.61kHz		374Hz	591Hz	3.61kHz	
Q	4.8	1.78	1.58		4.8	1.78	1.58	
Gain	2dB	-9dB	-6dB		2dB	-9dB	-6dB	
<b>Filter 4</b>								
Filter Type	PEQ	PEQ	PEQ		PEQ	PEQ	PEQ	
Frequency	591Hz	1.21kHz	14.5kHz		591Hz	1.21kHz	14.5kHz	
Q	0.4	2.87	1.78		0.4	2.87	1.78	
Gain	-7dB	-4dB	6dB		-7dB	-4dB	6dB	
<b>Filter 5</b>								
Filter Type			PEQ				PEQ	
Frequency			750Hz				750Hz	
Q			4.8				4.8	
Gain			1dB				1dB	
<b>Filter 6</b>								
Filter Type								
Frequency								
Slope/Q								
Gain								
<b>Compressor</b>								
Threshold (dBu)								
Ratio (N to 1)								
Insert (In/Out)	out	out	out		out	out	out	
Attack (us)								
Release (ms)								
Knee (Hard/Soft)								
<b>Limiter</b>								
Threshold (dBu)	2dBu	0dBu	-2dBu		2dBu	0dBu	-2dBu	
Release (ms)	200ms	150ms	3ms		200ms	150ms	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