Orban Optimod-PC 1100 Audio Processor Setup/Parameters Worksheet

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			Location	Location	Location	Location	Location	Location
			Preset	Preset	Preset	Preset	Preset	Preset
Parameter	**Range**	**Unit**						
OPTIMOD PC MIXER								
Administration								
Profile Information								
Profile Name								
Control Port								
Terminal Port								
Allow Access Local Cards	Yes, No							
Card Information								
Card Serial Number								
Card Name								
Card Security								
User Password								
Administrator Password								
Terminal Password								
Processor Mixer								
Analog Input								
Analog Input Level	-Inf, -40.0, 39.9… 0.0/+12.0	dB						
Pan/Balance	-6.0, -5.9...+6.0	dB						
Mode	Stereo, Mono-L, Mono-R, Mono-Sum							
Mute	On, Off							
Backup for Digital 1	Yes, No							
Digital 1 Input								
Digital Input 1 Level	-Inf, -40.0, 39.9… 0.0/+12.0	dB						
Pan/Balance	-6.0, -5.9...+6.0	dB						
Mode	Stereo, Mono-L, Mono-R, Mono-Sum							
Mute	On, Off							
Digital 2 Input								
Digital Input 2 Level	-Inf, -40.0, 39.9… 0.0/+12.0	dB						
Pan/Balance	-6.0, -5.9...+6.0	dB						
Mode	Stereo, Mono-L, Mono-R, Mono-Sum							
Mute	On, Off							
Backup for Digital 1	Yes, No							
Wave Out from PC								
Wave Output Level from PC	-Inf, -40.0, 39.9… 0.0/+12.0	dB						
Pan/Balance	-6.0, -5.9...+6.0	dB						
Mode	Stereo, Mono-L, Mono-R, Mono-Sum							
Mute	On, Off							
Direct Mixer								
Analog Input								
Analog Input Level	-Inf, -40.0, 39.9… 0.0/+12.0	dB						

Pan/Balance	-6.0, -5.9...+6.0	dB						
Mode	Stereo, Mono-L, Mono-R, Mono-Sum							
Mute	On, Off							
Backup for Digital 1	Yes, No							
Digital 1 Input								
Digital Input 1 Level	-Inf, -40.0, 39.9… 0.0/+12.0	dB						
Pan/Balance	-6.0, -5.9...+6.0	dB						
Mode	Stereo, Mono-L, Mono-R, Mono-Sum							
Mute	On, Off							
Digital 2 Input								
Digital Input 2 Level	-Inf, -40.0, 39.9… 0.0/+12.0	dB						
Pan/Balance	-6.0, -5.9...+6.0	dB						
Mode	Stereo, Mono-L, Mono-R, Mono-Sum							
Mute	On, Off							
Backup for Digital 1	Yes, No							
Wave Out from PC								
Wave Output Level from PC	-Inf, -40.0, 39.9… 0.0/+12.0	dB						
Pan/Balance	-6.0, -5.9...+6.0	dB						
Mode	Stereo, Mono-L, Mono-R, Mono-Sum							
Mute	On, Off							
Output Levels								
Analog Output								
Signal Route from	Direct Wave, Direct Mixer, Processor without Limiting, Processor with Limiting							
Analog Output Level	-20.0, 19.9… 0.0	dB						
Mute	On, Off							
Digital Output								
Signal Route from	Direct Wave, Direct Mixer, Processor without Limiting, Processor with Limiting							
Digital Output Level	-20.0, 19.9… 0.0	dB						
Mute	On, Off							
Wave In to PC								
Signal Route from	Direct Wave, Direct Mixer, Processor without Limiting, Processor with Limiting							
Wave Input to PC Level	-20.0, 19.9… 0.0	dB						
Mute	On, Off							
Configuration								
Analog Configuration								
Input Reference Level	4 dBU, -10dBV	dBU, dBV						
Output Reference Level	4 dBU, -10dBV	dBU, dBV						
Digital Configuration								
Sampling Rate	32, 44.1, 48, 88.2, 96	kHz						
Sync Output to	Internal, Digital 1 Input, Digital 2 Input							
Processing Delay	Minimum, 30 fps, 29.97 fps, 25 fps, 24 fps, 33.0 ms, 34.0 ms… 57.0 ms	fps, ms						
Word Length	14… 24							

Dither	In, Out							
Output Preemphasis	FLAT, 50, 75	us						
Format	AES, SPDIF							
Processing								
AGC	Enabled, Disabled							
Max Low Pass Filter	10, 11 ,12, 13, 14, 15, 20	kHz						
Maximum Input Gain								
Maximum Input Gain	0, 12	dB						
ADVANCED CONTROL								
Stereo Enhancer (2B & 5B)								
In/Out	In, Out		added in v2.0					
Amount	0.00... 10.00		added in v2.0					
Ratio Limit	70%...100%		added in v2.0					
Diffusion	Off, 0.3... 10.0		added in v2.0					
Style	222, Delay		added in v2.0					
Depth	0... 10		added in v2.0					
AGC (2B & 5B)								
AGC Off/On	Off, On							
AGC Drive	-10.0... 25.0	dB						
Crossover	Linear, Allpass, LiNoDly		added in v2.0					
Mast. Attack	0.2... 6.0	s	added in v2.0					
Bass Attack	1.0... 10.0	s	added in v2.0					
AGC Release	0.5, 1.0, 1.5, 2... 20.0	dB/s						
Bass Release	1.0... 10.0	s	added in v2.0					
AGC Bass Thresh.	-12.0…+2.5	dB						
MstrDeltaThr	-6.0…6.0	dB	added in v2.0					
BassDeltaThr	-6.0…6.0	dB	added in v2.0					
AGC Ratio	inf:1, 4:1, 3:1, 2:1,		added in v2.0					
Idle Gain	-10.0…10.0	dB	added in v2.0					
AGC Gate Thresh.	Off, -44.0... -15.0	dB						
AGC Window Size	-25.0.. 0.0	dB	added in v2.0					
Window Release	0.5... 20.0	dB/s	added in v2.0					
MaxDelta GR	0.0... 24.0, Off	dB	added in v2.0					
AGC Bass Coupling	0.0%... 100%							
AGC Matrix	L/R, sum/diff		added in v2.0					
Equalizer (2B & 5B)								
Phase Rotator	In, Out		added in v2.0					
High Pass Filter	Off, 20, 30…150, 170, 200	Hz	added in v2.0					
Low Pass FIlter	10, 11, 13, 15, 17, 20	kHz						
DJ Bass (5 Band Only)	Off, 0… 10	dB						
LF Shelf Equalizer								
Bass Gain	0 … 12	dB	added in v2.0					
Bass Freq	80... 500	Hz	added in v2.0					
Bass Slope	6,12,18	dB/Oct	added in v2.0					
Low Band Equalizer								
Low Gain	-10.0… 10.0	dB						
Low Freq	20.0 ... 500.0	Hz						
Low Width	4.0... 0.8	dB						
Mid Band Equalizer								

Mid Gain	-10.0... +10.0	dB						
Mid Freq	250… 6000	Hz						
Mid Width	4.0… 0.8	dB	Range Change					
High Band Equalizer								
High Gain	-10.0...10.0	dB						
High Freq	1.0... 15.0	Hz						
High Width	4.0... 0.8	dB	Range Change					
HF Contour								
Brilliance (5B only)	0... 6							
HF Enhancer	0... 15		added in v2.0					
Multiband (5 Band only)								
Multiband								
MB Drive	0... 25	dB						
MB Release	Slow, Slow2, Med, Med2, Mfast, Mfast2, Fast							
MB Downward Expander	Off, -6.0… +12.0	dB						
DownExpStereoCouple	Off, On							
MB Gate Threshold	Off, -44.0… -15.0	dB						
B1/B2 Crossover	100, 200	Hz						
Multiband Coupling								
B2>B1 Coupl	0... 100%		Name revised					
B2>B3 Coupl	0... 100%		added in v2.0					
B3>B2 Coupl	0... 100%		added in v2.0					
B3>B4 Coupl	0... 100%		Name revised					
B4>B5 Coupl	0... 100%		Name revised,					
Multiband Max Delta GR								
B1 Max Delta GR	0... 24, Off	dB	added in v2.0					
B2 Max Delta GR	0... 24, Off	dB	added in v2.0					
B3 Max Delta GR	0... 24, Off	dB	added in v2.0					
B4 Max Delta GR	0... 24, Off	dB	added in v2.0					
B5 Max Delta GR	0... 24, Off	dB	added in v2.0					
Compressors (5 Band only)								
Multiband Attack								
B1 Attack	4.0... 50.0, Off	ms						
B2 Attack	4.0... 50.0, Off	ms						
B3 Attack	4.0... 50.0, Off	ms						
B4 Attack	4.0... 50.0, Off	ms						
B5 Attack	4.0... 50.0, Off	ms						
Multiband Delta Release								
B1 Delta Release	-6... 6							
B2 Delta Release	-6... 6							
B3 Delta Release	-6... 6							
B4 Delta Release	-6... 6							
B5 Delta Release	-6... 6							
Multiband Compressor Threshold								
B1 Compression Threshold	-16.0… 0.0, Off	dB						
B2 Compression Threshold	-16.0… 0.0, Off	dB						
B3 Compression Threshold	-16.0… 0.0, Off	dB						
B4 Compression Threshold	-16.0… 0.0, Off	dB						

B5 Compression Threshold	-16.0… 10, Off	dB						
Multiband Limiter Attack								
B1 Limiter Attack	0%... 100%	%	added in v2.0					
B2 Limiter Attack	0%... 100%	%	added in v2.0					
B3 Limiter Attack	0%... 100%	%	added in v2.0					
B4 Limiter Attack	0%... 100%	%	added in v2.0					
B5 Limiter Attack	0%... 100%	%	added in v2.0					
Bandmix (5 Band only)								
Multiband Output Mix								
B1 Out Mix	-6.0... + 6.0	dB						
B2 Out Mix	-6.0... + 6.0	dB						
B3 Out Mix	-6.0... + 6.0	dB						
B4 Out Mix	-6.0... + 6.0	dB						
B5 Out Mix	-6.0... + 6.0	dB						
B1 On/Off	On, Off		added in v2.0					
B2 On/Off	On/Off		added in v2.0					
B3 On/Off	On/Off		added in v2.0					
B4 On/Off	On/Off		added in v2.0					
B5 On/Off	On/Off		added in v2.0					
Speech Mode (5 Band Only)								
Multiband Attack								
B1 Attack	4… 50, Off	ms						
B2 Attack	4… 50, Off	ms						
B3 Attack	4… 50, Off	ms						
B4 Attack	4… 50, Off	ms						
B5 Attack	4… 50, Off	ms						
Multiband Compressor Thresh								
B1 Compression Threshold	-16… 0, Off	dB						
B2 Compression Threshold	-16… 0, Off	dB						
B3 Compression Threshold	-16… 0, Off	dB						
B4 Compression Threshold	-16… 0, Off	dB						
B5 Compression Threshold	-16… 10, Off	dB						
Multiband Limiter Misc								
Multiband Release	Slow, Slow2, Med, Med2, Mfast, Mfast2, Fast							
Speech Bass Clip Threshold	-6.0… +6.0, Off	dB						
Two Band (2 Band only)								
2 Band Drive	-10.0... 25	dB						
2 Band Release	0.5… 20.0	dB/s						
2 Band Bass Coupling	0... 100%	%						
2 Band Gate Threshold	Off, –44 … –15	dB						
2B Master Compression Threshold	–15 … 0, Off	dB						
2B Bass Compression Threshold	-10.0 … 5.0, Off	dB						
2B Master Attack	4 … 50, Off							
2B Bass Attack	4 … 50, Off							
2B Crossover	No Dly, Linear							
Distortion								
Bass Clip Threshold (2B only)	-6.0… 0.0, off	dB						
MB Bass Clip (5B only)	-6.0… +6.0, off	dB						
Hard Bass Clip Shape	0.0… 10.0		added in v2.0					

Final Limit Drive	-10.0… +12	dB						
BASIC CONTROL								
Equalizer (2B & 5B)								
Phase Rotator	In, Out		added in v2.0					
High Pass Filter	Off, 20, 30…150, 170, 200	Hz	added in v2.0					
DJ Bass (5 Band Only)	Off, On							
LF Shelf Equalizer								
Bass Gain	0 … 12	dB	added in v2.0					
Bass Freq	80... 500	Hz	added in v2.0					
Bass Slope	6,12,18	dB/Oct	added in v2.0					
Low Band Equalizer			Grouping name change					
Low Gain	-10.0… 10.0	dB						
Low Freq	20.0 ... 500.0	Hz						
Low Width	4.0... 0.8	dB						
Mid Band Equalizer			Grouping name change					
Mid Gain	-10.0... +10.0	dB						
Mid Freq	250… 6000	Hz						
Mid Width	4.0… 0.8	dB	Range Change					
High Band Equalizer			Grouping name change					
High Gain	-10.0...10.0	dB						
High Freq	1.0... 15.0	Hz						
High Width	4.0... 0.8	dB	Range Change					
HF Contour								
HF Enhancer	0... 15		added in v2.0					
Stereo Enhancer (2B & 5B)								
In/Out	In, Out		added in v2.0					
Amount	0.00... 10.00		added in v2.0					
Ratio Limit	70%...100%		added in v2.0					
Diffusion	Off, 0.3... 10.0		added in v2.0					
Style	222, Delay		added in v2.0					
Depth	0... 10		added in v2.0					
Low Pass (2B & 5B)								
Low Pass Filter	4.0… 20.0	kHz						
Less/More								
Less More	1... 10							