

Technical Specifications ANALOG PRODUCTS	Mephisto Stereo	Mephisto Solo	Antileon EVO Stereo	Antileon EVO Mono	Diablo 300	Diablo 120	Pandora	Zena	Legato Legacy	Sonett	PS2-S module (PhonoStage2-S)
Features											
Dual mono	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Class A	YES	YES	YES	YES	A/B	A/B	YES	YES	YES	YES	YES
Green Bias	YES	YES	YES	YES			YES	YES			
DC-coupling	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
External Power Supply							YES		YES		YES from AMP.
MultiVoltage Operation	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Negative Feedback	NO	NO	Limited	Limited	NO	NO	NO	NO	NO	NO	NO
AV-input					YES	YES	YES	YES			
Remote control					YES	YES	YES	YES			
Auto Power Up / Down											
+12V link (power up/down)	YES	YES	YES	YES	YES	YES	YES	YES			
Input for external Infrared Receiver					YES						
Microprocessor controlled	YES	YES	YES	YES	YES	YES	YES	YES			
Software upgrade	YES	YES	YES	YES	YES	YES	YES	YES			
AMX / Crestron							NO	NO			
Wireless data transmission											
Vacuum Fluorescent Display					YES	YES	YES	YES			
Touch Buttons	YES	YES			YES	YES	YES	YES			
Balanced circuit	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO
MM/MC, PS2					Optional	Optional	Optional	Optional	Standard	Standard	Standard
DAC module, PCM/DSD					Optional (Diablo 300 DAC)	Optional (Diablo 120 DAC)			Optional (Zena DAC)		
Modular built											
HDCCD											
Upsampling											
Converters											
Electrical											
Output Power (RMS) pro channel in 8Ohm	175W, Class A	200W, Class A	150W, Class A	175W, Class A	300W	120W					
Output Power (RMS) pro channel	1400W / 10Ohm	1600W / 10Ohm	1200W / 10Ohm	1400W / 10Ohm	950W / 20Ohm	440W / 20Ohm					
MAX Output Power (PEAK) pro channel	6000W / ½Ohm	9000W / 1/4Ohm	5000W / ½Ohm	7500W / 1/4Ohm							
Output level balanced, max							23Vrms +29,5dBu	23Vrms +29,5dBu	23Vrms +29,5dBu +/-32,5V		
Output level single ended, max					Sub Out: +12dB				11,5Vrms +23,5dBu +/-16,25V	11,5Vrms +23,5dBu +/-16,25V	11,5Vrms +23,5dBu +/-16,25V
Maximum input level. 1kHz									MC = 30mV MM = 0,7V	MC = 7,2mV MM = 0,095V	MC = 7,2mV MM = 0,095V
S/N Unweighted, 20-20000hz	< -80dB	< -80dB	< -78dB	< -78dB	< -85	< -85	< -90dB	< -90dB	MM=86db (10mv) MC=70db (0,5mv)		
S/N Weighted, A-weighted	< -83dB	< -83dB	< -81dB	< -81dB	< -88	< -88	< -94dB	< -94dB	MM=90db (10mv) MC=74db (0,5mv)	MM > 84db MC > 72db	MM > 84db MC > 72db
Dynamic range	111dB	111dB	111dB	111dB							
Distortion (THD+N)	< 1%, 175W	< 1%, 200W	< 1%, 150W	< 1%, 175W	< 1%, 300W	< 1%, 120W	< 0,005%	< 0,005%	< 0,01%	< 0,01%	< 0,01%
Input sensitivity	1,055V	1,13V	0,975V	1,055V	0,617V	0,390V					
Gain	+31dB	+31dB	+31dB	+31dB	+38dB	+38dB	+18dB	+18dB	MC = 30dB MM = 38dB	MC = 64dB MM = 42dB	MC = 64dB MM = 42dB
Bandwidth (-3dB)	0 - 400KHz	0 - 400KHz	0 - 350KHz	0 - 350KHz	0 - 350KHz	0 - 250KHz	0 - 3MHz	0 - 1MHz	RIAA=+/-0,1dB	RIAA=+/-0,15dB	RIAA=+/-0,15dB
Channel Separation	Infinite	Infinite	Infinite	Infinite	> 120dB	> 120dB	Infinite	Infinite	Infinite	Infinite	Infinite
Input impedance, balanced (20-20000Hz)	20KOhm	10KOhm	20KOhm	10KOhm	40KOhm	40KOhm	50KOhm	50KOhm	10Ohm - 47KOhm		
Input impedance, single ended (20-20000Hz)					20KOhm	8KOhm	25KOhm	25KOhm		MM: 47K/200pF MC: 10, 20, 80,6, 100, 200 or 402 Ohm. Or a parallel combination of those.	MM: 47K/200pF MC: 20, 100, 200, 499 and 806 Ohm - or custom load
Output impedance (20-20000Hz)	< 0,025Ohm	< 0,013Ohm	< 0,040Ohm	< 0,020Ohm	0,019Ohm	0,0270hm	70hm	150hm	50Ohm	50Ohm	50Ohm
Balanced inputs, pr. channel	1 x XLR	1 x XLR	1 x XLR	1 x XLR	2 x XLR	1 x XLR	3 x XLR	2 x XLR	1 x LEMO		
Single ended inputs, pr. channel					3 x RCA	4 x RCA	2 x RCA	3 x RCA		1 x RCA	1 x RCA via AMP.
Balanced outputs, pr. channel							2 x XLR	1 x XLR	1 x XLR		
Single ended outputs, pr. channel					2 x RCA (tape + sub)	1 x RCA (tape)	1 x RCA (tape)	(sub + tape out)	1 x RCA	1 x RCA	1
Digital outputs											
Speaker outputs, pr. channel	1 set	2 set	1 set	2 set	1 set	1 set					
Power consumption (Stand-by)	< 1W	< 1W	<0.5W	<0.5W	<0.5W	<0.5W	< 1W	< 0,5W	5W	0W	
Power consumption (Maximum)	2650W	2 x 3000W	2500W	2 x 2700W	1900W	1300W	50W	50W	30W		
Power consumption (Idle)	700W (High B)	2 x 700W (High)	500W (High B)	2 x 500W (High)	200W	130W	50W	50W	30W	TBA	
Power Supply Capacity, preamp							2 x 40000 uF	2 x 26000 uF	2 x 23000uF		
Power Supply Capacity	2 x 250000 uF	2 x 500000 uF	2 x 335000 uF	2 x 670000 uF	2 x 68000 uF	2 x 60000 uF	2 x 50000 uF	2 x 50000 uF	2 x 50000 uF	2 x 22500 uF	
No. of AC inlets / cable plug type	2x IEC C13	2x IEC C19	2x IEC C13	2x IEC C19	1x IEC C13	1x IEC C13	2x IEC C13	1x IEC C13	2x IEC C13	1x IEC C13	
Mechanical											
Size (W x H x D) cm, netto	52x34x71	2 pcs 52x34x71	57x26x60	2 pcs 57x26x60	48x23,5x46	48x17,5x42	2 pcs 48x13,5x40	48x16,9x40	2 pcs 48x13x38	47x9,2x37	
Weight, netto (without optional modules)	108 kg	2 x 108 kg	84 kg	2 x 84 kg	38,1 kg	26,2 kg	7,5 kg, 10 kg	12,1 kg	11 kg / 8,5 kg	7,0 kg	
Shipping weight and dimensions (L x W x H)	140 kg 82x62x50cm	2 x 140 kg 2 x 82x62x50cm	112 kg 78x71x46cm	2 x 112 kg 2 x 78x71x46cm	50 kg 55x57x37cm	31,5 kg 56x53x31cm	23,6 kg 56x53x45cm	17 kg 56x53x31cm	22,2 kg / 10,4 kg 56x51x 46 / 25cm	11,1 kg 57x51x24 cm	0,5 kg 31x19x9cm

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Technical Specifications DIGITAL PRODUCTS	Ethos CD-Player DAC	Scorpio S CD-Player	Kalliope DAC	Diablo 300 DAC module	Diablo 120 DAC module	Zena DAC module
Features						
Dual mono	YES	YES	YES	YES	YES	YES
Class A	YES	YES	YES	YES	YES	YES
DC-coupling	YES	YES	YES	YES	YES	YES
MultiVoltage Operation	NO	NO	NO	NO	NO	NO
Negative Feedback	NO	NO	NO	NO	NO	NO
Modular built	YES	NO	YES	YES	YES	YES
Upsampling (PCM)	SELECTABLE to Fs=384kHz PCM or DSD128	TO Fs=192KHz	SELECTABLE to Fs=210kHz	NO	NO	NO
Remote control	YES	YES	YES			
+12V link (power up/down)	YES		YES			
Microprocessor controlled	YES	YES	YES	YES (from Diablo 300)	YES (from Diablo 120)	YES (from Zena)
Software upgradeable	YES	YES	YES	YES (via Diablo 300)	YES (via Diablo 120)	YES (via Zena)
Vacuum Fluorescent Display	YES	YES	YES			
Dimmable Display intensity	YES	YES	YES			
Touch Buttons	YES	YES	YES			
Electrical						
Balanced analog/DAC circuit	YES	YES	YES	YES	YES	YES
Converters	2 x ES9038PRO 32bit/768KHz	4 x 32bit/192KHz	2 x ES9018 32bit/384KHz	1 x 32bit/384KHz	1 x 32bit/384KHz	1 x 32bit/384KHz
Formats	PCM & DSD	PCM	PCM & DSD	PCM & DSD	PCM & DSD	PCM & DSD
PCM via input 1 to 4, Fs min./max. (Input 1-3 on Diablo 120 DAC), (Input 2-3 on Ethos DAC)	22kHz to 192kHz		22kHz to 192kHz	22kHz to 192kHz	22kHz to 192kHz	22kHz to 192kHz
PCM via USB input, Fs min./max.	32kHz to 384kHz		32kHz to 384kHz	32kHz to 384kHz	32kHz to 384kHz	32kHz to 384kHz
DSD via USB input (DSD256 and DSD 512 only on Windows systems)	DSD64, DSD128, DSD256, DSD512		DSD64, DSD128, DSD256, DSD512	DSD64, DSD128, DSD256, DSD512	DSD64, DSD128, DSD256, DSD512	DSD64, DSD128, DSD256, DSD512
Word Clock Sync. (max. +/-5% phase difference). BNC input and output, 75Ohm.			YES			
Output level balanced, max	4,3Vrms	4,0Vrms	4,3Vrms	2,15Vrms	2,15Vrms	2,15Vrms
	+/-6,08Vpp	+/-5,6Vpp	+/-6,08Vpp	+/-3,04Vpp	+/-3,04Vpp	+/-3,04Vpp
Output level single ended, max	2,15Vrms		2,15Vrms			
	+/-3,04Vpp		+/-3,04Vpp			
S/N Unweighted, 20-20000hz	< -117dB	< -103dB	< -115dB	< -110dB	< -110dB	< -110dB
S/N Weighted, A-weighted	< -120dB	< -107dB	< -118dB	< -113dB	< -113dB	< -113dB
Distortion (THD+N)	<0,0070% @ 0dB <0,0025% @ -6dB	<0,0035%	<0,0070% @ 0dB <0,0025% @ -6dB	<0,0050% @ 0dB	<0,0050% @ 0dB	<0,0050% @ 0dB
Channel Separation	Infinite	Infinite	Infinite	Infinite	Infinite	Infinite
Input impedance, balanced (AES/EBU)	110Ohm		110Ohm	110Ohm	110Ohm	110Ohm
Input impedance, single ended (SPDIF)	75Ohm		75Ohm	75Ohm	75Ohm	75Ohm
Balanced digital (AES/EBU) input	1		1	1	1	1
Single ended digital (SPDIF) inputs	1		3	2	1	2
Digital balanced output (AES/EBU)	1 x XLR (110Ohm)	1 x BNC (SPDIF)	1 x XLR (110Ohm)			
Optical input, Toslink				1	1	1
Analog output impedance (20-20000Hz)	30Ohm	20Ohm	30Ohm	22Ohm	250Ohm	22Ohm
Balanced analog outputs, pr. channel	1 x XLR	1 x XLR	1 x XLR	1	1	1
Single ended analog outputs, pr. channel	1 x RCA		1 x RCA			
Bandwidth (-3dB), max.	0 - 192kHz	0 - 96KHz	0 - 192kHz	0 - 192kHz	0 - 192kHz	0 - 192kHz
Power consumption (Stand-by)	<0,5W	5W	<0,5W			
Power consumption (Maximum)	39W	40W	54W			
Power consumption (Idle)	34W	35W	50W			
Power Supply Capacity	2 x 20.000 uF	40.000 uF	2 x 35.000 uF			
No. of AC inlets / cable plug type	1x IEC C13	1x IEC C13	1x IEC C13			
Mechanical						
Size (W x H x D) cm, netto	48 x17.6 x 45,3	48x13.5x41.5	48x13.5x38.7	26x7x11	26.7x5.5x11.4	26x7x11
Weight, netto	13.7 kg	9.6 kg 13,7 kg	10.6 kg 14,4 kg	1.6 kg 2,2 kg	1.1 kg 1,7 kg	1.6 kg 2 kg
Shipping weight and dimensions (L x W x H)		56x51x24cm	56x51x24cm	37x19x25	37x19x25	37x19x25

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Technical Specifications LOUDSPEAKERS	Kodo	Pendragon	Trident MKII	Pantheon	MoJo S	MoJo (Legacy product)	Poseidon (Legacy product)	Trident (Legacy product)	Atlantis (Legacy product)	Cantata (Legacy product)
Features										
X-over	4-way	3-way	3-way	3-way	2-way	2-way	4-way	3-way	3-way	2-way
Duelund Constant Phase principle	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Woofer Box type	Sealed	Sealed	Sealed	Ported	Ported	Ported	Sealed	Sealed	Ported	Sealed
Bass Drivers/numbers pr. side	8" / 8 pcs.	8" / 8 pcs.	8" / 4 pcs.	8" / 2 pcs.	5.5" / 2 pcs.	5.5" / 2 pcs.	8" / 8 pcs.	8" / 4 pcs.	8" / 2 pcs.	5.5" / 2 pcs.
Midrange Drivers pr. side		1 pcs. 75" Ribbon / Dipole	5.5" / 2 pcs.	5.5" / 2 pcs.				5.5" / 2 pcs.	5.5" / 2 pcs.	
Midrange (high) Drivers pr. side	4.5" / 4 pcs.						5.5" / 4 pcs.			
Midrange (low) Drivers pr. side	5.5" / 6 pcs.						5.5" / 4 pcs.			
Tweeter/principle	Air Motion Transformer	AMT Ribbon, Dipole, 4 pcs.	Air Motion Transformer	Air Motion Transformer	AMT Ribbon	AMT Ribbon	1" / Ring Radiator	1" / Ring Radiator	1" / Ceramic	1" / Dome
Active Q-control	YES	YES	YES				YES	YES		YES
X-over Bias from Amplifier module	YES		YES				YES	YES		
X-over Bias from Q-controler										YES
X-over Bias, battery powered				YES					YES	
MultiVoltage Operation, Electrical parts	NO	NO	NO				NO	NO		NO
NO Negative Feedback , BASS Power Amplifier module	YES	YES	YES				YES	YES		
Auto Power Up / Down							YES	YES		
+12V link (power up/down)	YES	YES	YES							
Microprocessor controlled integrated Power Amplifier	YES	YES	YES				YES	YES		
Vacuum Fluorescent Display	YES	YES	YES				YES	YES		
Remote, control of Bass Tower	YES	YES	YES				YES	YES		
Specifications										
Frequency Response, -3dB (room dependent)	16Hz - 25kHz	16Hz - 32kHz	16Hz - 27kHz	25Hz - 27kHz	37Hz - 32kHz	37Hz - 32kHz	16Hz - 40kHz	16Hz - 40kHz	25Hz - 32kHz	24Hz - 22kHz, with Q-correction. 35Hz - 22kHz without
Sensitivity, SPL, 1m, 1W	96dB	89dB	95dB	90dB	89dB	89dB	94dB	94dB	90dB	90dB
Nominal Impedance	4 ohm	6 ohm	4 ohm	4 ohm	4 ohm	4 ohm	4 ohm	4 ohm	4 ohm	4 ohm
Crossover Frequencies, Duelund principle	50Hz, 700Hz, 2.5kHz	250Hz, 18kHz	250Hz, 2kHz	250Hz, 2.5kHz	2kHz	2kHz	250Hz, 750Hz, 2kHz	250Hz, 2kHz	250Hz, 2.5kHz	2kHz
Speaker input terminals, pr. channel	1 set	1 set	1 set	1 set	1 set	1 set	1 set	1 set	1 set	1 set
BASS Amplifier										
Electrical Specifications										
Output Power (RMS) pro channel in actual load	1000W, Class A/B	1000W, Class A/B	500W, Class A/B				1000W, Class A/B	500W, Class A/B		
Peak Power pro channel in actual load	4000W	4000W	2000W				4000W	2000W		
Distortion (THD+N)	< 1%, 1000W	< 1%, 1000W	< 1%, 500W				< 1%, 1000W	< 1%, 500W		
Gain	+32dB	+32dB	+38dB				+32dB	+38dB		
Bass tower Volume range, 0.5dB increments	-100dB to +8dB	-100dB to +8dB	-100dB to +6dB				-100dB to +8dB	-100dB to +6dB		
Low Cut (selectable). 2. order	16Hz	16Hz	16Hz				16Hz	16Hz		
Q-settings (selectable)	0.30, 0.35, 0.40	0.30, 0.35, 0.40	0.30, 0.35, 0.40				0.30, 0.35, 0.40	0.30, 0.35, 0.40		
Bandwidth (-3dB). Power amplifier alone, without active crossover section included.	0 - 250KHz	0 - 250KHz	0 - 250KHz				0 - 250KHz	0 - 250KHz		
Input impedance, balanced (20-20000Hz)	40KOhm	40KOhm	40KOhm				40KOhm	40KOhm		
Input impedance, single ended (20-20000Hz)	20KOhm	20KOhm	20KOhm				20KOhm	20KOhm		
Balanced inputs, pr. channel	1 x XLR, female	1 x XLR, female	1 x XLR, female				1 x XLR, female	1 x XLR, female		
Single ended inputs, pr. channel	1 x RCA	1 x RCA	1 x RCA				1 x RCA	1 x RCA		
Balanced outputs, pr. channel (loop)	1 x XLR, male	1 x XLR, male	1 x XLR, male				1 x XLR, male	1 x XLR, male		
Single ended outputs, pr. channel (loop)	1 x RCA	1 x RCA	1 x RCA				1 x RCA	1 x RCA		
Power consumption (Stand-by)	5W	5W	5W				5W	5W		
Power consumption (Maximum)	2900W	2900W	1800W				2900W	1800W		
Power consumption (Idle) approx.	2 x 200W	2 x 200W	2 x 200W				2 x 200W	2 x 200W		
Power Supply Capacity	2 x 180.000 uF	2 x 180.000 uF	2 x 180.000 uF				2 x 180.000 uF	2 x 180.000 uF		
Mechanical										
Size (W x H x D) cm, maximum incl. feet Weight, netto	Bass Tower: 2 pcs 54x237.5x88. Mid/High freq. Tower: 2 pcs 44 x 232 x 66	Bass Tower: 2 pcs 52x206x77. Mid/High freq. Tower: 2 pcs 53x206x48	2 pcs 52x193x81	2 pcs 39x148x69	2 pcs 42x122x47 2 x 49kg	2 pcs 20x52x42 Cabinet: 22.5kg Stand: 17.7kg	Bass Tower: 2 pcs 52x199x73. Mid/High freq. Tower: 2 pcs 22 x 199 x 45	2 pcs 52x170x70	2 pcs 39x118x72	2 pcs 40x120x45
Shipping weight	8 wood crates total 1354 kg	2 x 285kg + 2 x 132kg	2 x 237kg	2 x 122kg	2 x 91kg		5 wood crates total 900 kg	2 x 227kg	202kg total	193kg total, incl. Q-Control

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Technical Specifications LEGACY PRODUCTS	Colosseum Stereo	Colosseum Solo
Features		
Dual mono	YES	YES
Class A	YES	YES
Green Bias	YES	YES
DC-coupling	YES	YES
External Power Supply		
MultiVoltage Operation	NO	NO
Negative Feedback	NO	NO
AV-input		
Remote control		
Auto Power Up / Down	YES	YES
+12V link (power up/down)		
Input for external Infrared Receiver		
Microprocessor controlled	YES	YES
Software upgrade	YES	YES
AMX / Crestron		
Wireless data transmission		
Vaccum Fluorescent Display	YES	YES
Touch Buttons	YES	YES
Balanced circuit	YES	YES
MM/MC, PS2		
DAC module, PCM/DSD		
Modular built		
HDCCD		
Upsampling		
Converters		
Electrical		
Output Power (RMS) pro channel in 8Ohm	160W, Class A	180W, Class A
Output Power (RMS) pro channel	1250W / 1Ohm	1450W / 1Ohm
MAX Output Power (PEAK) pro channel	5400W / ½Ohm	8000W / 1/4Ohm
Output level balanced, max		
Output level single ended, max		
Maximum input level. 1kHz		
S/N Unweighted, 20-20000hz	< -79dB	< -79dB
S/N Weighted, A-weighted	< -82dB	< -82dB
Dynamic range	111dB	111dB
Distortion (THD+N)	< 1%, 160W	< 1%, 180W
	< 0,05%, 50W	< 0,05%, 50W
Input sensivity	0,95V	1V
Gain	+31.5dB	+31.5dB
Bandwidth (-3dB)	0 - 350KHz	0 - 350KHz
Channel Separation	Infinite	Infinite
Input impedance, balanced (20-20000Hz)	20KOhm	10KOhm
Input impedance, single ended (20-20000Hz)		
Output impedance (20-20000Hz)	< 0,023Ohm	< 0,0115Ohm
Balanced inputs, pr. channel	1 x XLR	1 x XLR
Single ended inputs, pr. channel		
Balanced outputs, pr. channel		
Single ended outputs, pr. channel		
Digital outputs		
Speaker outputs, pr. channel	1 set	2 set
Power consumption (Stand-by)	5W	5W
Power consumption (Maximum)	2600W	2 x 2900W
Power consumption (Idle)	500W (High B)	2 x 500W (High)
Power Supply Capacity, preamp		
Power Supply Capacity	2 x 170000 uF	2 x 340000 uF
No. of AC inlets / cable plug type	1x IEC C19	2x IEC C19
Mechanical		
Size (W x H x D) cm, netto	27x76x63	2 pcs 27x76x63
Weight, netto (without optional modules)	80 kg	2 x 80 kg
Shipping weight and dimensions	110 kg	2 x 110 kg