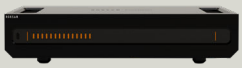
Technical specifications



Model	Caspian Integrated Amplifier	Caspian Streaming Amplifier	Caspian Power Amplifier	Caspian Streaming Pre-Amplifier
Connectivity Summary				
Analogue Inputs	2x RCA Stereo (A1, A2), 1x Balanced XLR (A3)	2x RCA Stereo (A1, A2), 1x Balanced XLR (A3)	2x RCA Stereo (A1, A2), 1x Balanced XLR (A3)	"2x RCA Stereo (A2, A3) 1x Balanced XLR (A1), 1x MM Phono (MM), 1x MC Phono (MC)"
Digital Inputs	2x Coax (D1, D2) 2x Optical (D3, D4) Bluetooth Audio	2x Coax (D1, D2) 2x Optical (D3, D4) Bluetooth Audio BluOS HDMI eARC	-	"2x Coax (D1, D2) 2x Optical (D3, D4) Bluetooth Audio BluOS HDMI eARC"
Analogue Outputs	1x Balanced XLR (Pre1), 1x RCA Stereo (Pre2), 1x RCA Stereo (Pre3)	1x Balanced XLR (Pre1), 1x RCA Stereo (Pre2), 1x RCA Stereo (Pre3)	2x RCA Stereo (Line 1,2)	"1x Balanced XLR (Pre1), 1x RCA Stereo (Pre2), 1x RCA Stereo (Pre3)"
Amplifier Output	1x Pair of Speaker binding posts (L&R)	1x Pair of Speaker binding posts (L&R)	1x Pair of Speaker binding posts (L&R)	-
Other Inputs / Outputs	Wi-Fi 4, BLE, 12V Trigger, Wired IR	Gigabit Ethernet RJ45, W-Fi 5, Wi-Fi 4, BLE, 12V Trigger, Wired IR	Wi-Fi 4, BLE, 12V Trigger, Wired IR	Gigabit Ethernet RJ45, W-Fi 5, Wi-Fi 4, BLE, 12V Trigger, Wired IR
Power	IEC C14, Fused 6.2AT	IEC C14, Fused 6.2AT	IEC C14, Fused 6.3AT - 250V	IEC C14, Fused 6.3AT - 250V
User Interface				
Primary Interface (on unit)	Dynamic Control Dial (with haptic feedback) to control volume, inputs & power	Dynamic Control Dial (with haptic feedback) to control volume, inputs & power	Power Button - on/standby	Dynamic Control Dial (with haptic feedback) to control volume, inputs & power
Secondary Interface (on unit)	--	Backward, Play/Pause, Forward	-	Backward, Play/Pause, Forward
Remote Control	Black, 15 button IR remote. Bead blasted & anodised aluminium extruded case with laser etched logo.	Black, 15 button IR remote. Bead blasted & anodised aluminium extruded case with laser etched logo.	Maestro Unite App	Black, 15 button IR remote. Bead blasted & anodised aluminium extruded case with laser etched logo.
Power Amplifier Section				
Power Amplifier Technology	Dual Mono Euphoria Amplifier Stereo Configuration	Dual Mono Euphoria Amplifier Stereo Configuration	Dual Mono Euphoria Amplifier Mono-Bridge Capable	-
Amplifier Class	AB	AB	AB	-
Output Power, 8 Ohms (235VAC @ 1% THD, both channels driven)	105W	105W	105W	-
Output Power, 4 Ohms (235VAC @ 1% THD, both channels driven)	200W	200W	200W	-
THD+N (1W @ 1kHz Both Channels driven)	<0.007%	<0.007%	<0.007%	-
Gain	29dB	29dB	29dB	-
Signal to Noise (1W/8R 2Vrms A1, both channels driven) - Stereo	>85dB	>85dB	>85dB	-
Output Power, 8 Ohms (235VAC @ 1% THD) - Mono-Bridged	-	-	420W	-
Output Power, 4 Ohms (235VAC @ 1% THD) - Mono-Bridged	-	-	630W	-
Frequency Linearity (20Hz - 20kHz)	+-0.25dB	+-0.25dB	+-0.25dB	-
Power Supply	600VA / 36,400uF per Rail	600VA / 36,400uF per Rail	600VA / 36,400uF per Rail	-
Phono Section				
Inputs	MM	MM	-	MM& MC
Gain MM	53dB	53dB	-	53dB
Gain Adjustment MM	Low (-6dB), Mid (0dB default), High (+6dB)	Low (-6dB), Mid (0dB default), High (+6dB)	-	Low (-6dB), Mid (0dB default), High (+6dB)
Input Impedance MM	47k ohms/100pF	47k ohms/100pF	-	47k ohms/100pF
Rapture DAC				
DAC Technology	Rapture DAC, Dual Mono Balanced	Rapture DAC, Dual Mono Balanced	-	Rapture DAC, Dual Mono Balanced
Format Support	PCM	PCM	-	PCM
Sampling Rate	up to 24bit / 192kHz	up to 24bit / 192kHz	-	up to 24bit / 192kHz
Pre-Amplifier Section (Amp, Pre1, Pre2)				
Volume Control Technology	Hybrid Digital Analogue	Hybrid Digital Analogue	-	Hybrid Digital Analogue

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Volume Control Matching	<0.25dB	<0.25dB	-	<0.25dB
THD+N (3.9Vrms, A-Weighted)	<0.0008%	<0.0008%	-	<0.0008%
Signal to Noise Ratio (3.9Vrms, A-Weighted)	>108dB	>108dB	-	>108dB
Maximum Output Level	3.9Vrms	3.9Vrms	-	3.9Vrms
Supported Features	Pre-Output, Line Level Output (Fixed Level), Sub-Woofer Output (Low-Pass Filtered), Intelligent DSP	Pre-Output, Line Level Output (Fixed Level), Sub-Woofer Output (Low-Pass Filtered), Intelligent DSP	-	Pre-Output, Line Level Output (Fixed Level), Sub-Woofer Output (Low-Pass Filtered), Intelligent DSP
Pre-Amplifier Section (Pre3)				
Volume Control Technology	Digital	Digital	-	Digital
Volume Control Matching	<0.25dB	<0.25dB	-	<0.25dB
THD+N (3.9Vrms, A-Weighted)	<0.003%	<0.003%	-	<0.003%
Signal to Noise Ratio (3.9Vrms, A-Weighted)	>108dB	>108dB	-	>108dB
Maximum Output Level	3.9Vrms	3.9Vrms	-	3.9Vrms
Supported Features	Pre-Output, Line Level Output (Fixed Level), Sub-Woofer Output (Low-Pass Filtered), Intelligent DSP	Pre-Output, Line Level Output (Fixed Level), Sub-Woofer Output (Low-Pass Filtered), Intelligent DSP	2 x RCA Line-Level Out	Pre-Output, Line Level Output (Fixed Level), Sub-Woofer Output (Low-Pass Filtered), Intelligent DSP
Bluetooth				
Protocol	A2DP Audio Profile	A2DP Audio Profile	-	A2DP Audio Profile
Codecs	SBC, aptX & AAC	SBC, aptX & AAC	-	SBC, aptX & AAC
Range	>15m	>15m	-	>15m
Digital Inputs				
Coax Inputs (D1, D2)	up to 24bit / 192kHz (Stereo)	up to 24bit / 192kHz (Stereo)	-	up to 24bit / 192kHz (Stereo)
Optical Inputs (D3, D4)	up to 24bit / 192kHz (Stereo)	up to 24bit / 192kHz (Stereo)	-	up to 24bit / 192kHz (Stereo)
HDMI ARC & eARC	No	Yes (2.0)	-	Yes (2.0)
Analogue Inputs				
Maximum Input Level	6.7Vrms	6.7Vrms	1.1Vrms RCA, 2.2Vrms XLR - Stereo 2.2Vrms RCA, 4.2Vrms XLR - Mono	6.7Vrms
Music Sense	A2 Input	A2 Input	A2 Input	A2 Input
AV Mode	A2 Input	A2 Input	-	A2 Input
BluOS Section				
BluOS Streaming Supported	No	Yes	No	Yes
Audio Formats	-	MP3, AAC, WMA, OGG, WMA-L ALAC, OPUS	-	MP3, AAC, WMA, OGG, WMA-L ALAC, OPUS
Hi-Resolution Audio Formats	-	MQA, FLAC, WAV AIFF, Supports converted DSD playback via the desktop app only.	-	MQA, FLAC, WAV AIFF, Supports converted DSD playback via the desktop app only.
Sampling Rate	-	up to 192kHz	-	up to 192kHz
Bit Depth	-	16 - 24	-	16 - 24
Network Connectivity	-	Gigabit Ethernet RJ45, W-Fi 5	-	Gigabit Ethernet RJ45, W-Fi 5
Supported Network File Storage Protocol	-	Server Message Block (SMB)	-	Server Message Block (SMB)
USB	-	1x Type-A port for connection to USB memory stick (FAT32 or NTFS formatted) and supported peripherals	-	1x Type-A port for connection to USB memory stick (FAT32 or NTFS formatted) and supported peripherals
Supported Operating System	-	Music playback from network shares on the following desktop operating systems: Microsoft Windows XP, 2000, Vista, 7, 8 to current Windows Operating Systems and macOS versions**	-	Music playback from network shares on the following desktop operating systems: Microsoft Windows XP, 2000, Vista, 7, 8 to current Windows Operating Systems and macOS versions**
Mobile Application	-	Free BluOS Controller App available for download from the respective App stores of Apple iOS devices (iPad, iPhone and iPod), Android devices, Kindle Fire and Windows or macOS desktops	-	Free BluOS Controller App available for download from the respective App stores of Apple iOS devices (iPad, iPhone and iPod), Android devices, Kindle Fire and Windows or macOS desktops
Supported music services and partners	-	Over 20 natively integrated streaming services. For more information go to https://bluos.io/	-	Over 20 natively integrated streaming services. For more information go to https://bluos.io/
Third Party Certified Services	-	Apple Airplay, Spotify Connect, Tidal Connect	-	Apple Airplay, Spotify Connect, Tidal Connect
ROON Ready	-	ROON Ready, ROON Tested	-	ROON Ready, ROON Tested
Control Integrations	-	Creston, Control4 (OS3), Control4 (OS2), RTI, URC, BluOS URC Driver, URC, Lutron, NICE, GIRA, BluOS Integration Utility, BluOS Cusomt Integration API	-	Creston, Control4 (OS3), Control4 (OS2), RTI, URC, BluOS URC Driver, URC, Lutron, NICE, GIRA, BluOS Integration Utility, BluOS Cusomt Integration API

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		Maestrounite		
Maestrounite Supported	Yes	Yes	Yes	Yes
Network Connectivity	Bluetooth LE Wi-Fi 4 (Only connects for Over-the-Air Updates)	Bluetooth LE Wi-Fi 4 (Only connects for Over-the-Air Updates)	Bluetooth LE Wi-Fi 4 (Only connects for Over-the-Air Updates)	Bluetooth LE Wi-Fi 4 (Only connects for Over-the-Air Updates)
Mobile Application	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Over-the-Air Updates	Firmware Updates are avalible via the Maestrounite configured Wi-Fi connection. This can be setup to connect & update on user request or during periods of inactivity.	Firmware Updates are avalible via the Maestrounite configured Wi-Fi connection. This can be setup to connect & update on user request or during periods of inactivity.	Firmware Updates are avalible via the Maestrounite configured Wi-Fi connection. This can be setup to connect & update on user request or during periods of inactivity.	Firmware Updates are avalible via the Maestrounite configured Wi-Fi connection. This can be setup to connect & update on user request or during periods of inactivity.
		Other		
Wired IR Input	5 - 14V, Mono 3.5mm jack plug, any polarity	5 - 14V, Mono 3.5mm jack plug, any polarity	5 - 14V, Mono 3.5mm jack plug, any polarity	5 - 14V, Mono 3.5mm jack plug, any polarity
12V Trigger Input	5 - 14V, 3.5mm jack dual polarity (On / Standby)	5 - 14V, 3.5mm jack dual polarity (On / Standby)	5 - 14V, 3.5mm jack dual polarity (On / Standby)	5 - 14V, 3.5mm jack dual polarity (On / Standby)
12V Trigger Pass-through	3.5mm jack Pass through from input only	3.5mm jack Pass through from input only	3.5mm jack Pass through from input only	3.5mm jack Pass through from input only
Nominal Mains Voltage	Auto-Selecting Power Supply, 100-120VAC & 220-240 VAC	Auto-Selecting Power Supply, 100-120VAC & 220-240 VAC	Auto-Selecting Power Supply, 100-120VAC & 220-240 VAC	Auto-Selecting Power Supply, 100-120VAC & 220-240 VAC
Power Consumption	610VA, Standby 0.5W, Network Standby 2W (Standby Plus, allows fast boot)	610VA, Standby 0.5W, Network Standby 2W (Standby Plus, allows fast boot)	610VA, Standby 0.5W, Network Standby 2W (Standby Plus, allows fast boot)	85VA, Standby 0.5W, Network Standby 2W (Standby Plus, allows fast boot)
		Mechanical		
Avalible Finishes	Silver, Black	Silver, Black	Silver, Black	Silver, Black
Construction	Extruded and machined Aluminimum front & top cover with extruded Aluminimum heatsinks.	Extruded and machined Aluminimum front & top cover with extruded Aluminimum heatsinks.	Extruded and machined Aluminimum front & top cover with extruded Aluminimum heatsinks.	Extruded and machined Aluminimum front & top cover with extruded Aluminimum heatsinks.
External Dimensions with all accessories fitted (H x W x D)	93 x 432 x 378mm (3 11/16 x 17 x 14 7/8"") See downloads for CAD drawings	93 x 432 x 378mm (3 11/16 x 17 x 14 7/8"") See downloads for CAD drawings	93 x 432 x 378mm (3 11/16 x 17 x 14 7/8"") See downloads for CAD drawings	93 x 432 x 378mm (3 11/16 x 17 x 14 7/8"") See downloads for CAD drawings
Weight (Product, Each)	15.2 kg (33 lb 8 oz)	15.5 kg (34 lb 3 oz)	14.9 kg (32 lb 14 oz)	10.1 kg (22 lb 4 oz)
Sold As	Single	Single	Single	Single