PREAMPLIFIER SECTION

LINE INPUT, PRE-OUT (ANALOG BYPASS ON)

THD (20 Hz – 20 kHz)	<0.005 % at 4V out
Signal-to-Noise Ratio	>90 dB (IHF, A-weighted, 500 mV out, unity gain)
Input impedance (R and C)	28 kohms + 360 pF
Maximum input signal	>5.7 Vrms (0.1 % THD)
Output impedance	345 ohms
Input sensitivity	100 mV (500 mV out, Volume maximum)
Frequency response	20 Hz – 20 kHz (±0.3 dB)
Maximum voltage output	>5 V (0.1 % THD)

LINE IN, HEADPHONE OUT

THD (20 Hz – 20 kHz)	<0.005 % at 1V out
Signal-to-Noise Ratio	>90 dB (32 ohms load, A-weighted, 1V out, unity gain)
Frequency response	20 Hz – 20 kHz (±0.3 dB)
Channel separation	>60 dB at 1 kHz
Output impedance	22 ohms

GENERAL SPECIFICATIONS

LINE IN, SPEAKER OUT

Continuous output power into 8 ohms and 4 ohms	50 W (20 Hz – 20 kHz at rated THD, both channels driven)
THD (20 Hz – 20 kHz)	<0.03 % (250 mW to 50 W, 8 ohms and 4 ohms)
Signal-to-Noise Ratio	>90 dB (A-weighted, 500 mV input, 1 W out in 8 ohms)
Clipping power	>70 W (1 kHz 0.1 % THD, 4 ohms) >55 W (1 kHz 0.1 % THD, 8 ohms)
IHF dynamic power	8 ohms: 120 W 4 ohms: 250 W

	2 ohms: 390 W
Peak output current	>16 A (1 ohm, 1 ms)
Damping factor	>52 (20 Hz to 6.5 kHz, 50 W, 8 ohms)
Frequency response	20 Hz – 20 kHz (±0.3 dB)
Channel separation	>75 dB (1 kHz) >70 dB (10 kHz)
Input sensitivity (50 W in 8 ohms)	750 mV
Frequency band	2.402 G – 2.480 G
Maximum transmit power	7 dBm ± 2 dBm
Power consumption, standby mode*	0.5 W

LINE IN, PHONO INPUT

THD (20 Hz – 20 kHz)	<0.05 % at 50 W out
Signal-to-Noise Ratio	>82 dB (10 mV in, A-weighted, 1 W out)
Input impedance (R and C)	46 kohms / 100 pF
Input sensitivity	1.6 mV (20 Hz – 50 W out, Volume maximum)
Frequency response	20 Hz – 20 kHz (±0.3 dB) >16 A (1 ohm, 1 ms) Note: The RIAA response is consistent with a pre-emphasis that is rolled off at 50 kHz by a second order filter, such as used in Neumann cutting lathes.
Maximum input signal at 1 kHz	>15 mVrms (0.1 % THD)

DIMENSION AND WEIGHT

Gross dimensions (W x H x D) **	356 x 129 x 329 mm 14 1/8 x 5 1/8 x 13 inches
Net weight	5.8 kg (12.8 lbs)
Shipping weight	7.2 kg (15.9 lbs)

BLUOS SPECIFICATIONS

BLUOS AUDIO

Supported audio file format	MP3, AAC, WMA, OGG, WMA-L, ALAC, OPUS
Supported high-resolution audio file format	FLAC, MQA, WAV, AIFF

Sampling rate	up to 192 kHz
Bit depths	16 – 24

BLUOS SUPPORTED SERVICES***

Music Services	Click here
Internet Radio	Click here
Integration partners	Control4, Crestron, ELAN, Lutron, Push, Roon, RTI, URC
Voice Control	Skills and support for Amazon Alexa and Apple’s Siri with corresponding enabled devices and App

BLUOS CONNECTIVITY

Network connectivity	Gigabit Ethernet RJ45 Wi-Fi 5
Supported network file share protocol	Server Message Block (SMB)
Bluetooth quality	aptX HD 5.0
Bluetooth connectivity	Receive Mode (Playback from BT devices)