

Model	778X
General Description	Digital-to-Analogue Converter, Stereo Amplifier <ul style="list-style-type: none"> • Integrated Amplifier (45 watts @8 ohms, 65 watts @4 ohms) • ESS Sabre32 ES9018K2M Reference Chip • Ultra-low Noise Digital Audio File Compatibility (384kHz PCM, DSD256) • Bluetooth 5.0 (aptX / AAC) Support
Design Philosophy and Core Technology	<ul style="list-style-type: none"> • Dedicated High-performance, Low-noise MM Phono Stage • Headphone AMP With High-speed Output Signal Transition • USB Upgrade Support • Large Tractile Controls With LED Level Indicators
Inputs	1 x Coaxial, 2 x Toslink Optical, 1 x PC USB, 1 x Bluetooth (aptX/AAC), 2 x AUX, 1 x RCA (Phono MM)
Outputs	1 x Coaxial, 1 x Toslink Optical, 1 x RCA (PRE Out)
Sampling Frequency	Optical / Coaxial: 44.1kHz-192kHz; PC USB: 44.1kHz-384kHz(PCM) / DSD64, DSD128, DSD256
Preamplifier Section	
Gain (max.)	+0dB (Line), +47dB (Phono MM)
Input Sensitivity	540mV (Line, Volume = 0dB); 2.5mV (Phone MM, Volume = 0dB)
Input Impedance	10K (AUX); 47K//100pF (Phono MM)
Total Harmonic Distortion (THD)	<0.003%
Frequency Response (ref. 1kHz)	20Hz-20kHz (±0.1dB)
PRE Output Level	2.1Vrms (max.)
PRE Output SNR	>110dB (A-weighted)
DAC	
D to A Converter	ESS Sabre32 ES9018K2M
Resolution	32-bit
Max. Sampling Frequency	Optical/Coaxial: 192kHz; USB: PCM 384kHz / 11.2896MHz (DSD256)
Total Harmonic Distortion (THD)	< 0.001% (1KHz @ 0dBFS)
Output level (0dBFS, 1KHz)	2.1Vrms
Power Amplifier Section	
Gain	+31dB
Rated Power Output	2x45W(@8ohms); 2 x 65W (@ 4 ohms)
Frequency Response (ref. 1kHz)	20Hz-20KHz (± 0.5dB)
Total Harmonic Distortion (THD)	<0.005% (30W / 8 ohms)
Input Sensitivity	540mV (RCA AUX In); 2.5mV (Phono MM)
Signal-to-Noise Ratio (SNR)	>108dB (ref. 45W, A-weighted)
Crosstalk @1K	>80dB (ref.1W)

Standby Power Consumption <0.5W

Headphone Amplifier

Total Harmonic Distortion (THD) < 0.01% (1kHz, 50mW)

Output Impedance 4.7 ohms

Load impedance 20-600 ohms

General

Dimensions (mm) (W x H x D) 236x98x380.6

Carton Size (mm) (W X H X D) 450x392x175

Net Weight 6.3kg

Finish Black / Silver

Power requirements (depending on region) 220-240V ~ 50/60Hz; 100-120V ~ 50/60Hz

Standard Accessories Power Cord, Remote Control, User Manual, Antenna