

M-Audio

Studiophile DSM2 - High-Resolution DSP Reference Monitor with 8-Inch LF Driver

+

BX10s - Professional Active Subwoofer

Studiophile DSM2 Specifications

frequency response:	42Hz-27kHz
peak SPL at 1 meter:	111dB
low-frequency driver:	8" (203.2 mm) domeless inverted anodized aluminum cone
high-frequency driver:	1" (25.4 mm) soft Teteron dome with Neodymium magnet and ferrofluid cooling
crossover frequency:	2.7kHz @ 24dB/octave
HF shelf:	+1.5dB, -1.5dB, -3.0dB
mid EQ:	+1.5dB, -1.5dB, -3.0dB
high-pass filter:	40Hz, 60Hz, 80Hz, 100Hz @ 12dB/octave
Acoustic Space Control filter:	-1.5dB, -3.0dB, -4.5dB
Desk EQ Filter 1:	-1.0dB, -2.0dB, -3.0dB @ 220Hz
Desk EQ Filter 2:	-1.0dB, -2.0dB, -3.0dB @ 175Hz
Desk EQ Filter 3:	-1.0dB, -2.0dB, -3.0dB @ 200Hz

analog inputs: XLR balanced and ¼" balanced
digital inputs: S/PDIF and AES/EBU
input impedance: 20k ohm
input sensitivity: +4dBu yields 90dB @ 1 meter (trim level set to 0)
gain trim: volume trim from -22dB to +10dB

analog-to-digital specifications

maximum input level: 18dBu
signal-to-noise ratio: 102dB (A-weighted)
THN + noise:
conversion rate: 96kHz

digital power amplifier

output power (1% THD): LF: 100 watts, HF: 80 watts
THD + noise (10 watts, 1kHz): < 0.05%
signal-to-noise ratio: 100dB (A-weighted)
frequency response (+0, -3dB): 20Hz-40kHz
efficiency: > 90%
dimensions: 15.2" (385 mm) x 10.6" (270.3 mm) x 10.1" (257.5 mm)
weight: 20 lbs. (9.1 kg)

BX10s Specifications

Type:	bass-reflex active powered subwoofer
Woofer Driver:	10-inch composite (treated paper/fiberglass) cone with high-temperature voice coil and damped rubber surround
Frequency Response:	20Hz - 200Hz (-3dB points)
Crossover:	HP/LP linked filter sweepable from 50 - 200Hz; 24dB/octave 4th-order alignment
Input Sensitivity:	85mV pink noise input produces 100dBA output SPL at one meter with volume control at maximum
Amplifier:	240 watts average power into 8 Ohms, discrete transistor design
Signal-to-Noise Ratio:	86dB (A-weighted)
THD at Rated Power, Mono Mode:	0.019% (175 W)
Inputs:	two XLR balanced inputs; two TRS balanced/unbalanced inputs
Outputs:	two XLR balanced outputs for satellites; two TRS balanced/unbalanced outputs for satellites
Controls:	volume/gain control, 10dB bass boost switch, sleep mode switch, phase inverse switch, variable crossover control, subwoofer bypass footswitch jack
Input Impedance:	20k ohms balanced, 10k ohms unbalanced
Maximum Input Level:	+20dBU

Auto Turn Off Time: 15 minutes

Auto Turn On Input Sensitivity: 7.3 mV

Protection: over temperature, turn-on/off transient, subsonic filter, external mains fuse, DC protection, over current protection

Indicator: power on (blue) or standby/bypass (red)

Power Requirements: dual-voltage (selectable by rear-panel switch) for either 100-120V/~50/60Hz or 220-240V/~50/60Hz; powered via detachable grounded IEC cable

Cabinet: vinyl-laminated MDF

Dimensions: 15 in. (h) x 15 in. (w) x 15 in. (d); 38.1 cm (h) x 38.1 cm (w) x 38.1 cm (d)

Shipping Weight: 54.6 lbs.; 24.75 kg