

ROKSAN

P E R F O R M A N C E

M2  
SERIES

*Caspian*



P E R F O R M A N C E

M2  
SERIES

A new era of performance  
Exceptional control  
Unsurpassed harmonic detail  
Genuine lifelike dynamics  
Pure classic design

## TECHNOLOGY

The **M 2** Integrated amplifier's independent power supplies combined with fully symmetrical complimentary circuit design ensure the amplifier uncovers even the most delicate detail and presents it majestically.



## STYLE

ELEGANT

CLASSIC

DETAILED

SOLID

DELICATE

SLIM

FOCUSSED

ERGONOMIC

MODERN

DYNAMIC

AIRY

COMMANDING

POWERFUL

3-DIMENSIONAL

M2  
SERIES

Harmonic coherency  
Emotional engagement  
Structure and detail  
Unsurpassed timing  
Pure musical experience

## DESIGN

The **M 2** CD player's de-coupled laser mechanism, super precision master clock combined with its 12 independant and fully regulated digital & analogue circuits create a seamless harmonic musical experience that is second to none.



HARMONY

Inputs 5 Line & Tape RCA Gold plated  
CD Input *switchable to XLR Balanced Gold plated*

Input Impedance 47 k $\Omega$

Input Sensitivity (85W) Line 240mV

Outputs Gold plated RCA Tape & 2 Preamplifier

Output Voltage 240mV (Tape Out)  
700mV (Pre Out)

Power Outputs Loudspeaker, L & R

Output Power 85 Watts, into 8 $\Omega$   
both channels driven  
125 Watts, into 4 $\Omega$   
both channels driven

Power Supply 350VA Ultra Low Noise Toroidal Transformer  
60VA Ultra Low Noise Transformer Preamp Section Toroidal  
5 Regulated Supply Rails

Current Output 60 Amps Peak to Peak

Damping Factor >160 (8 $\Omega$ )

Frequency response -3dB, <1Hz – 90kHz

Gain 40dB Overall (Pre & Power)  
9.3dB Preamplifier  
30.7dB Power Amplifier

Harmonic Distortion 0.002% 1kHz, 0.015% 20kHz 10W - 8 $\Omega$   
0.0025% 1kHz, 0.03% 20kHz 50W - 8 $\Omega$

Signal to Noise Ratio Line 108dBa (ref. 500mV)  
85dBa (ref. 1W, 8 $\Omega$ )

Power Source 100V – 120V 50Hz / 60Hz  
220V – 240V 50Hz / 60Hz  
(via High Quality Mains inlet filter)

Power Consumption < 230 W

Dimension 432 x 330 x 70 (W x D x H) mm  
432 x 330 x 80 (including feet)

Weight 13 Kg Gross; 10 Kg Net



S P E C I F I C A T I O N S



## FEATURES

- Full functional Roksan LCD system remote control (RMX-108)
- Output protection with high current relays
- Independent Preamplifier stage Power Supply
- Thermally controlled fan assisted heat-sink cooling
- -20dB mute function
- 350VA ultra low noise, Power section Toroidal transformer
- 60VA ultra low noise, Pre section Toroidal transformer

Operating System CD digital audio system (CD, CD-R, CD-RW)

Frequency Response 20Hz – 20kHz  $\pm$  0.2dB

Harmonic Distortion < 0.0015% @ 0dB, 1kHz (Typically 0.0005%)  
< 0.005% @ -30dB, 1kHz  
< 0.01% @ 0dB, 20kHz

Intermod. Distortion < 0.001% @ 0dB (Typically 0.0005%)

S/N Ratio (IHF-A Wtd.) 105 dB

Wow & Flutter Quartz precision

Channel Separation >100 dB @ 1kHz  
>100 dB @ 20kHz

Output Voltage 1.95Vrms

Analogue Outputs L&R, RCA Gold plated  
L&R Balanced XLR Gold plated

Digital Outputs 75 Ohm Coaxial, RCA Gold plated  
110 Ohm Balanced AES/EBU, XLR Gold plated  
Optical, Toslink

Mechanical Isolation Main chassis de-coupling feet, custom made  
Laser mechanism 2 stage de-coupling

Power Supply x2 Ultra low noise toroidal transformers  
12 fully regulated power rails

D/A Conversion PCM1798 Advace Segment, Stereo DAC

Resolution/Sampling 24 bits / 192 kHz

Oscillation 3rd Overtone Oscillation

Crystal Super precision, custom made

Jitter <130 psec (Typically <70 psec)

Idle Pattern <-105 dB

Stop band Rejection <-95 dB

Power Source 100V – 120V 50Hz / 60Hz  
220V – 240V 50Hz / 60Hz  
(via High Quality Mains inlet filter)

Power Consumption < 20 W

Dimension 432 x 330 x 70 (W x D x H) mm  
432 x 330 x 80 (including feet)

Weight 10 Kg Gross; 7 Kg Net



S P E C I F I C A T I O N S





## FEATURES

- *Independent Analogue Output stage Power Supply*
- *Full functional Roksan LCD system remote control (RMX-108)*
- *Programme facility*
- *Repeat function (One/All & A-B)*
- *Display time; elapsed, remaining on track and remaining on disc*
- *Random play*
- *10 second intro play*



ICONOCLASTIC

M2  
SERIES

# AWARDS



**HI-FI News  
1997**  
Caspian  
Integrated Amplifier



**HI-FI review  
1998**  
Caspian  
Power Amplifier



**HI-FI review  
1999**  
Caspian 5-Channel  
Power Amplifier



**HI-FI review  
2000**  
Caspian Surround  
Sound Processor



**HI-FI CHOICE  
AWARDS  
2003/2004**  
Caspian Mseries-1  
Integrated Amplifier



**HI-FI CHOICE  
AWARDS  
2003/2004**  
Caspian Mseries-1  
CD Player



**HI-FI CHOICE  
2004**  
Caspian Mseries-1  
Integrated Amplifier



**HI-FI News  
2004**  
Caspian Mseries-1  
Integrated Amplifier



**diapason D'OR  
2005**  
Caspian Mseries-1  
Power Amplifier



**diapason D'OR  
2005**  
Caspian Mseries-1  
Preamplifier



**AUDIO ART  
2006**  
Caspian Mseries-1  
Preamplifier



**HI-FI News  
2007**  
Caspian Mseries-1  
Pre & Mono Amplifiers



**WHAT HI FI  
2008**  
Caspian Mseries-1  
Integrated Amplifier



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