

# Marc One

## Analog inputs & outputs; 6.35mm stereo jack sockets

Input level (max.)	+22.5 dBu
Line Input 1 (balanced): input impedance	20 k $\Omega$
Line Input 1: common mode rejection	<60 dB
Line Input 2 (unbalanced): input impedance	10 k $\Omega$
Output level (max.): Speaker outputs (600 $\Omega$ )	+22 dBu
Line Output (unbalanced): Output impedance	75 $\Omega$
Speaker Output 1 (balanced): Output impedance	150 $\Omega$
Sub Output Low Lilter	none (full range)
Sub Output (balanced): output impedance	150 $\Omega$
Speaker Output 2 (unbalanced): Output impedance	75 $\Omega$
Frequency response (-3 dB)	10 Hz - 200 kHz
Dynamic range	120 dB
Noise (A-weighted, 600 $\Omega$ load)	-99 dBu
THD + N (0 dBu, 10 Hz - 22 kHz, 600 $\Omega$ )	0.002 %
Crosstalk (1 kHz)	<75 dB
Attenuation	- 93 dB

## USB, 32-bit AD / DA

USB (B), PCM sampling rates:	44.1 / 48 / 88.2 / 96 / 176.4 / 192 / 352.8 / 384 / 705.6 / 768 kHz
USB (B), DSD over PCM (DoP), sampling rates (playback only)	2.8 (DSD64), 5.6 (DSD128), 11.2 (DSD256) MHz
0 dBfs calibrated to	15 dBu
Noise (A-weighted, 44.1 / 48 kHz sampling rate)	-113 dBFS
Dynamic range (44.1 / 48 kHz sampling rate)	113 dB
THD + N (-1 dBFS, 10 Hz - 22 kHz)	0.0012 %

## Headphone output

6.35mm stereo jack socket	Tip = left, ring = right, shaft = GND
Source resistance	20 $\Omega$
Frequency response (- 3 dB)	10 Hz - 200 kHz
Noise (A-weighted, 600 $\Omega$ )	-97 dBu
THD + N (0 dBu, 10 Hz - 22 kHz, 600 $\Omega$ )	0.002 %
THD + N (0 dBu, 10 Hz - 22 kHz, 32 $\Omega$ )	0.013 %
Max. Output power (1 kHz, 600 $\Omega$ )	2 x 190 mW
Max. Output power (1 kHz, 250 $\Omega$ )	2 x 330 mW
Max. Output power (1 kHz, 47 $\Omega$ )	2 x 400 mW
Fade-out attenuation (600 $\Omega$ )	-99 dB
Crosstalk (1 kHz, 600 $\Omega$ )	-75 dB
Dynamic range	117

## Internal power supply; Switching power supply with secondary transformer

Operating voltage for analog audio electronics	+/- 17 V
Operating voltage for headphone output stage	+/- 19 V
Operating voltage for relays and LEDs	+12 V
Operating voltages for digital section	+3.3 V, +5 V

## External power supply

AC / DC switching adapter	Mean Well GE18 / 12-SC
DC plug	Inner pin 2.1mm (+); Outer ring 5.5mm (-)
entrance	100 - 240 V AC; 50-60 Hz; 0.7 A
output	12 V DC; 1.5 A

## Mass weight

W x H x D (width x height including feet x depth)

210 x 49.6 x 220 mm

8.23 x 1.95 x 8.66 inch

Weight of the device

1.55 kg

3.4 lbs

Shipping weight (including packaging)

2 kg

4.4 lbs

0 dBu = 0.775V. Technical changes reserved.