

# MATRIX MP150

Mono Power Amplifier



# Matrix MP150

## Description

The Matrix MP150 mono power amplifier illustrates that originality consist of returning to the origin. This amplifier has a very solid and compact design, which is almost totally made out of aluminium. In the design process the form and function of this amplifier are matched in perfect harmony.

The MP150 is the perfect solution for an integrated design in the active version of the Matrix speaker line. However this MP150 can also be easily combined with other stereo sets, where the presence of the musicality is the greatest gain. An additional advantage is the modest size of this amplifier.

## Features

The Matrix MP150 amplifier is a proprietary switching amplifier. It uses a unique pulse control scheme that takes feedback only from the speaker terminals. There is no feedback loop from the switching output used. The result is extremely low output impedance over the entire bandwidth. Damping factor is >400 up to 2 kHz and >100 at 20 kHz. The frequency response is 1 Hz-50 kHz (+0,-3dB) and is completely independent of the load impedance. THD and IMD are very low (<0.02%) and completely independent of frequency, like a good zero-feedback amplifier.



## Technical specifications

Type:	MAT-MP150-1.0
System:	Mono power amplifier Pulse Control Amplifier using Discrete transistors and FET's
RMS power:	100 Watt at 8 Ohm 150 Watt at 4 Ohm
Input sensitivity at max power:	1.2 Volt
Input current at 1/8 rated power:	160 mA at 230 Volt 320 mA at 115 Volt
Fuse:	5 x 20 mm, 3.15 mA, 250 V AC Time lag T
Frequency range:	1 - 50k Hz (= 0 dB , -3 dB)
Total Harmonic Distortion (THD):	< 0..02
Inter-Modulation Distortion (IMD):	< 0..02
SNR:	120 dB
Input impedance:	220k Ohm XLR 110k Ohm RCA



## Dimensions

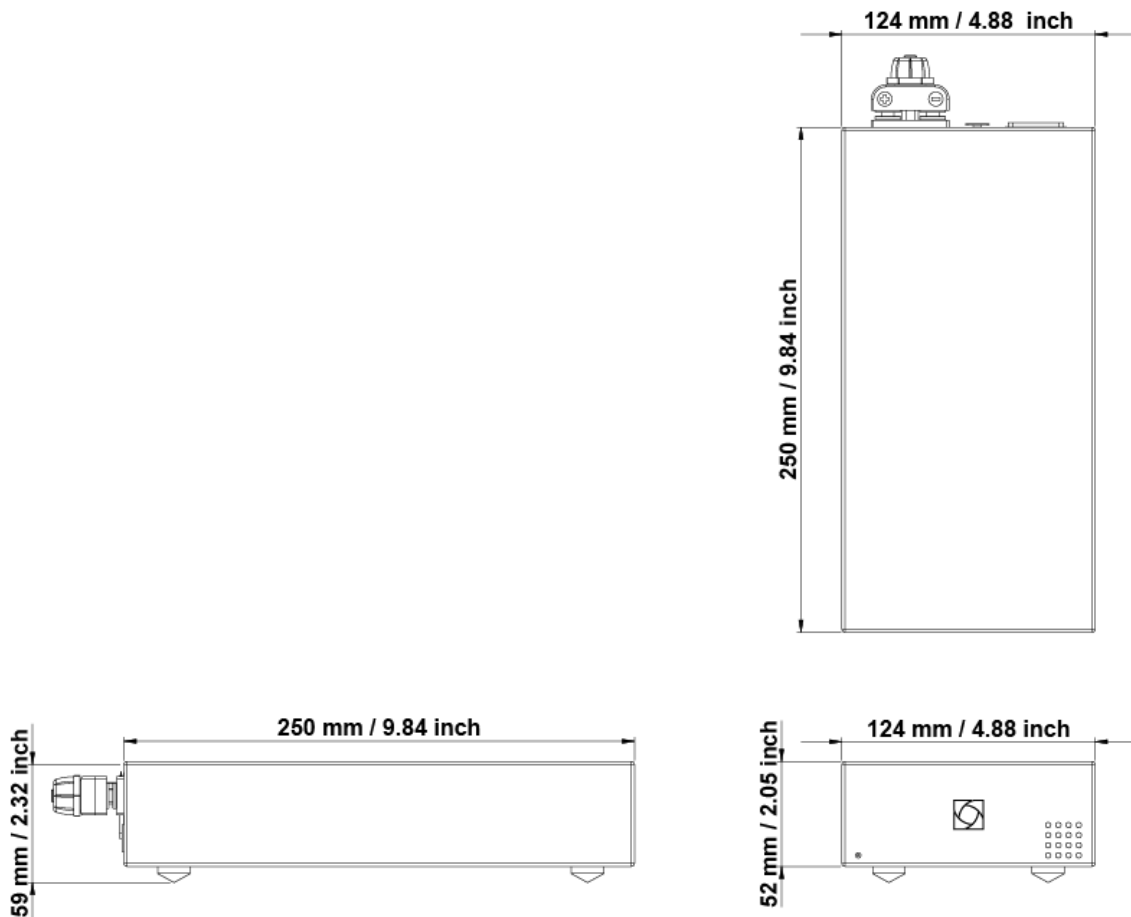
The modest size of the MP150 is actual hiding the performance this power amplifier can deliver.

### Including stand

Width: 124 mm / 4.88 inch  
 Height: 59 mm / 2.32 inch  
 Depth: 250 mm / 9.84 inch

### Excluding stand

Width: 124 mm / 4.88 inch  
 Height: 52 mm / 2.05 inch  
 Depth: 250 mm / 9.84 inch



## Advice

### Advised pre-amplifier

It is recommended to combine the Matrix MP150 power amplifier with the Matrix P150 pre-power amplifiers. This combination of the Matrix amplifier and pre-amplifier is specially designed to match both musically as visually.

### Advised external cable

The Matrix MP150 can be perfectly complemented with the Matrix cable series.

## Colour Options

A Kharma product must not only have an unbelievable refined sound, which meets the needs of a true music lover, but also must have an astonishing finish to compete with the musicality of the system.

### Primary Stock Program

The originality of this Matrix amplifier consists of returning to the origin. This is reached by making the amplifier almost completely out of aluminium. Two finishes of this amplifier have proven their looks in the past and showing of this clear message of returning to the origin. Therefore the available colour options in the primary stock program are blank and black anodized aluminium.



Blank anodized Aluminium



Black anodized Aluminium

\* Colours shown only give an indication of the real colour, contact your dealer for references.