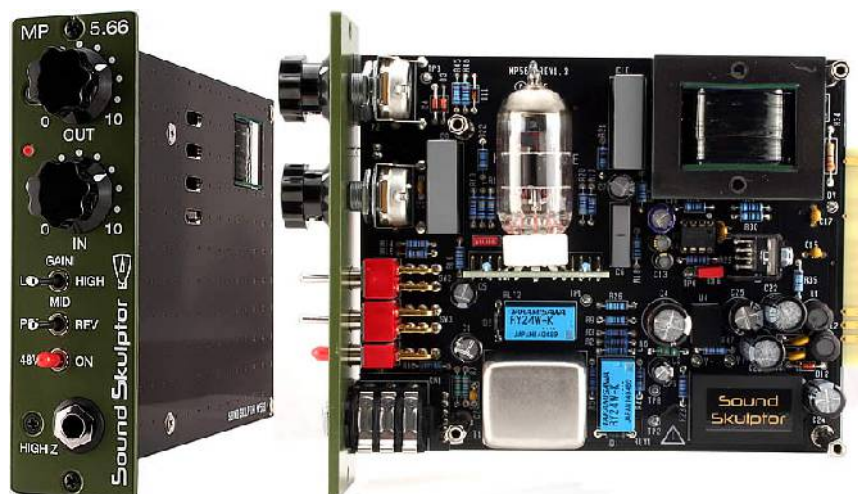




## Sound Skulptor MP566 User manual



### Installation

The lunchbox (or rack) hosting the preamp must be installed in a well ventilated area. Tube circuits produce some heat. Do not omit the 2 fixing screws on the module front plate before moving. It is quite heavy and the weight would put too much pressure on the back connector.

### Connections

The preamp connects to the rear female XLR for the microphone input and to the rear male XLR for output. The XLR pinout is Pin 1 : Ground, Pin 2 : + Signal, Pin 3 : - Signal.

A Direct Instrument, high impedance, input is available on the front.

### GAIN

The GAIN switch has 3 positions.

**LOW** : Inserts a -20dB pad before the input transformer. Allows you to manage loud microphone signals or line level signals. It does not affect the DI input.

**MID** : sets 27 dB of negative feedback around the tube stage producing a clean and sweet tone.

**HIGH** : Reduces the negative feedback to only 7dB which increases the gain by 20dB and produces a faster, more aggressive tone.

### IN

The **IN** potentiometer sets the input drive level to the first tube stage. At higher levels it will produce tube saturation. For the best signal to noise ratio it should always be set as high as possible. This potentiometer does not affect the DI input.

### OUT

After the tone as been defined with the gain switch and the **IN** knob, use the **OUT** knob to set your output level.

### LED

When green, the LED gives feedback about the preamp activity, when red, it is a clipping indicator.

### POL

Reverses the polarity (phase) of the output signal when on **REV**. In the centre position it is a Mute.

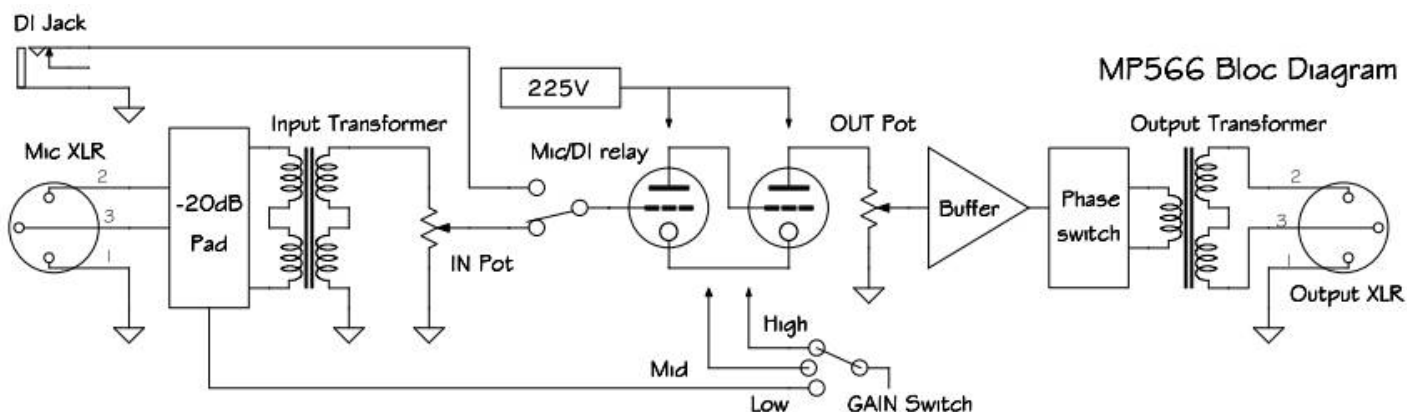
### 48V

Activates phantom power, for static microphones. Do not forget to Mute before switching.



DI

A relay is automatically switched when a jack is inserted. It connects the DI signal to the grid of the first triode. The IN potentiometer and the input pad are bypassed and have no effect. The level is controlled by the OUT potentiometer.



Technical specifications

Measure	Conditions	Value
Idle supply current		V+ : +155 mA V- : -155 mA
Input impedance of mic input	f = 1 kHz	1.5 kΩ
Maximum input level		> +20 dBu @ 30 Hz
Maximum output level before clipping	f = 1 kHz	+26 dBu
Minimum gain		- ∞
Maximum gain	HIGH	+68 dB
	MID	+48 dB
	LOW	+28 dB
Frequency response	Deviation = +/- 1 dB	15 Hz - 30 kHz
Total harmonic distortion (THD)	f = 1 kHz, Gain = +40 dB, Out level = +10dBu	< 0.04%
EIN	Zin = 0Ω, Bandwidth=0-30kHz	-125 dBu
DI input impedance		1 MΩ
DI gain range		- ∞ to +53dB
DI max input level before clipping		+13 dBu