

Phono 2 Stateline and Phono 2 Stateline Signature



The Stateline Phono 2 preamplifier is a small footprint Phono Preamp. The main circuit board and components used here are non-compromise.

The Signature version in combination with the optional Stateline Phono 2 Power power supply so has qualities which cannot others be described as State of the Art.

To create a lower cost version, we did not cut any corners at the main circuit, but only at the periphery.

This ensures that also the price/quality relation of the basic model is second to none.

The Stateline Phono 2 preamplifier has the following features:

Discrete matched FET Input stage.
Discrete single ended Mos-FET output stage.
All is fully working in Class A.

RIAA equalization is done passively for the high frequencies, and actively for the low frequencies.

Both RIAA networks are completely separated from each other's.

External raw power supply, so that no transformers which might create the smallest hum are located in the main housing.

Internally a special discretely built ultra low noise voltage regulator with LEDs as a voltage reference does an excellent job.

The signal path is extremely short due to the use of a double sided PCB with SMD parts on one side and through-hole devices on the other.

Foil capacitors are genuine Siemens low tolerance KP types, plus two big Siemens MKPs in the power supply.

No use of any ceramic capacitors in the whole circuit.

The complete board including all components is lacquered with Steinmusic Maestro lacquer to

optimize mechanical resonances.

MM: Input capacity switchable 0pF, 82pF, 150pF or 232 pF

MC: Input impedance switchable between 25R and 47K in 50 steps

Amplification 60dB MC, 40dB MM

Will work fine with Aventurin 6, however suit well every other cartridge as it is very easily universally adjustable.

Stateline Phono 2 Signature

The Stateline Phono 2 Signature version is additionally equipped with a special power supply upgrade board. This board only carries the best foil capacitors, vacuum capacitors and numerous oscon capacitors in a very balanced configuration which perfectly suits the Stateline Phono 2 amplifier.

Just as the main circuit board of the Stateline Phono 2 amplifier also the complete Signature board including all components is lacquered with Steinmusic Maestro lacquer to optimize mechanical resonances.

Also, some SteinMusic InLine Silver are implemented into the power supply, which significantly reduce magnetic distortions.

Finally we are additionally working with the technology used in our E-Pads to get closer to perfection with the overall results.

All these features bring the potential of the Stateline Phono 2 onto a much higher level of quality.

Stateline Phono 2 Signature Power supply

Due to the non-compromise construction of this preamp it immensely profits from the Stateline Phono 2 Signature Power supply.

Dealing with extremely small audio signals generated by the cartridge, low noise is essential for rediscovering every fine detail of the record.

So we took extremely great care to get away from mains noise and distortions by using three transformers.

Two of them are working as isolation transformers which effectively filter noise starting at 120Hz already.

The combination of the Stateline Phono 2 Signature and the Stateline Phono 2 Signature Power supply will give you a musical experience which is state of the art for a relatively small investment.

How to use Phono 2 Stateline

The middle one of the block of three switches is to choose between MC and MM.

If using an MC cartridge set it to MC, which is the on position.

Then with Switch 1 - Switch 7 you may choose the impedance that fits for your cartridge.

Capacity switches should be both off for MC operation, as MC cartridges normally do not need any capacitive loading

If using an MM cartridge set the middle one of the block of three switches to MM, which is the off position.

Then set all impedance switches to off, which results in an impedance of 47K which is perfect for MM cartridges.

MM cartridges sometimes like to be loaded with some more than the cable capacity of the turntable interconnect, so we have added two switches therefor:

S 8 and the upper one of the block of three switches.

S8 in the "off" position and the upper one of the block of three switches in the "off" position
No additional capacity loading

S8 in the "on" position and the upper one of the block of three switches in the "off" position
82pF loading

S8 in the "off" position and the upper one of the block of three switches in the "on" position
150pF loading

S8 in the "on" position and the upper one of the block of three switches in the "on" position
232pf loading

Depending on the way the Earth from the grid is terminated at the other components of the audio system it may be useful to connect the GND connector to Earth for most quiet operation.

Value	S1	S2	S3	S4	S5	S6	S7
47K							
8k2	on						
2k1		on					
1k7	on	on					
980R			on				
890R	on		on				
680R		on	on				
635R	on	on	on				
500R				on			
480R	on			on			
411R		on		on			
336R			on	on			
325R	on		on	on			
292R		on	on	on			
283R	on	on	on	on			
220R					on		
215R	on				on		
200R		on			on		
180R			on		on		
154R				on	on		
152R	on			on	on		
144R		on		on	on		
134R			on	on	on		
132R	on		on	on	on		
127R		on	on	on	on		
100R						on	
99R	on					on	
96R		on				on	
91R			on			on	
84R				on		on	

69R					on	on	
67R		on				on	
65R			on		on	on	
61R				on	on	on	
59R		on		on	on	on	
58R			on	on	on	on	
56R		on	on	on	on	on	
50R							on
48R		on					on
47R			on				on
45R				on			on
41R					on		on
40R		on			on		on
39R			on		on		on
38R		on	on		on		on
36R	on	on	on	on	on		on
34R						on	on
33R		on				on	on
32R		on	on			on	on
30R		on	on	on		on	on
27R	on	on	on	on	on	on	on