

Operation manual

MuSiCa NoVa

PeGaSuS

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Congratulations! You are the proud owner of an extremely sophisticated integrated tube amplifier.

Please read this operation manual carefully and store it in a safe place for later reference.

1 Basic version

1.1 Precautions & safety instructions

Keep the unit away from locations where it is likely to be exposed to high temperatures or humidity. Also avoid locations which are subject to excessive dust accumulation or vibration.

The openings in the cabinet assure ventilation. Make sure to allow a space of at least 10cm behind and on both sides and at least 25 cm above the top panel of the unit. Otherwise it may not only damage the unit, but also cause fire.

Keep it also away from such sources of hum as transformers, TV-sets or motors.

1.2 Mains supply

The voltage selector on the rear panel ⑧ of this unit must be set for your local mains voltage BEFORE plugging into the mains supply. The mains fuse is placed in the fuseholder ⑨ below the mains socket ⑩.

1.3 Softstart

The power switch ① turns this unit on and off.

Whilst *warm up*, the operation mode indicator (LED) above the volume control lights up with red light. In this mode the tubes are gently preheated for operation. After about 25 seconds the colour of the LED changes from red to green and the current limiter is deactivated. After about 2 further seconds the operation voltage (high voltage!) is added and the amp is in its' normal operation mode.

This softstart circuitry increases the lifetime of the tubes dramatically.

Note: Whilst *warm up* the unit is not remote controllable.

1.4 Input Select

With the input selector ③ you select the source. A LED indicates the selected source.

The *p/a* input is a multifunctional input. In the basic version it is an auxiliary line input ⑦. If a phono module is built in ⑧, the aux input has no function.

1.5 Groundlift

With the switch ⑩ on the rear panel of the unit, you have the possibility to disconnect the ground from earth (open). In position DC, earth and ground are DC-coupled, in position AC, they are AC-coupled. So you can avoid humming loops.

Note: The cabinet is always connected with the earth!

1.6 Muting

In the volume control ⑫ there is a LED that lights up green in the normal operation mode. By means of the remote control transmitter (see chapter 3) you are able to mute the output temporarily pressing the *mute* button. In the muted state the LED lights up red. Pressing the *mute* button again will reactivate the adjusted output level. So always take care of the position of the volume control to prevent the speakers from damage.

2 Phono modules

2.1 Installation

Disconnect the AC power plug and remove both handling bars. Then loosen the seven screws of the cabinet top and remove it. On the left side, you see the vertical mounted input board (see fig. 1).

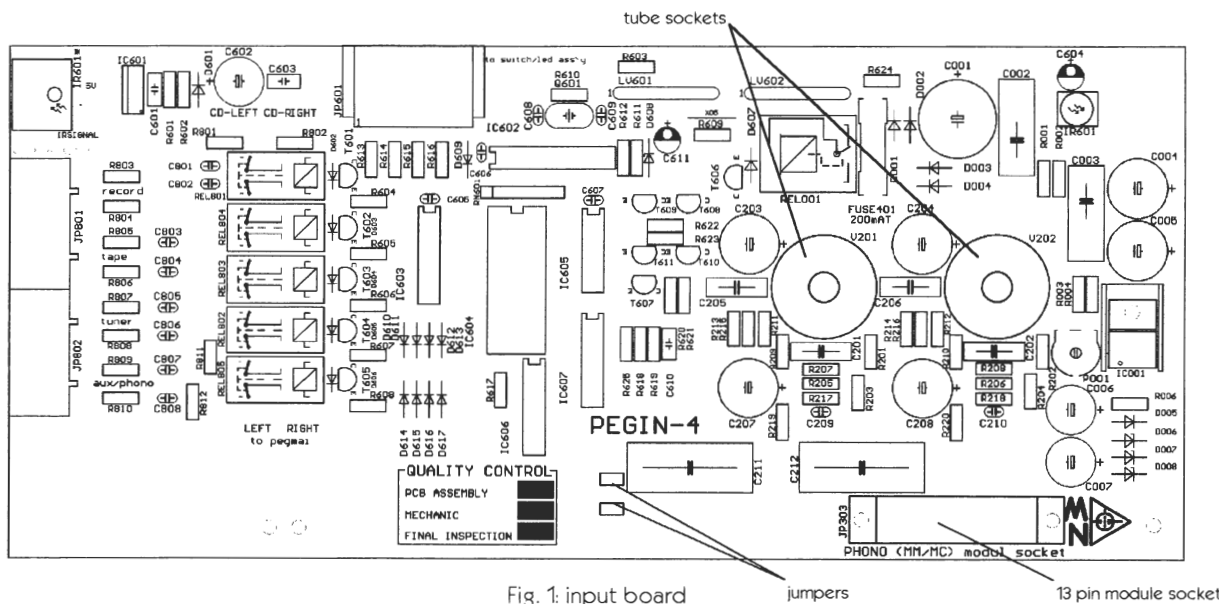


Fig. 1: input board

jumpers

13 pin module socket

Before mounting a phono module you have to set the two included jumpers at the marked positions (see fig. 1).

Then you have to remove the (*p/a*) blend from the rear panel with a suitable screwdriver.

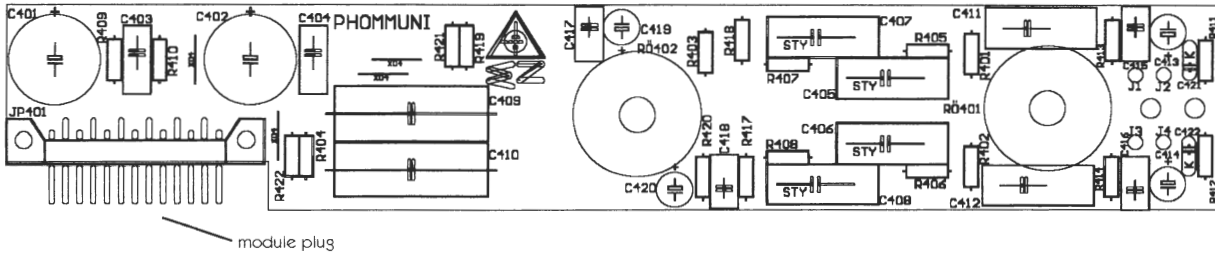


Fig. 2: moving magnet module

Take the phono module and fix the two included tubes in the sockets. Raise the module sloping from the left side with the rca sockets through the opening in the rear panel (where you removed the blend) and press the module plug carefully into the socket. While doing this, press the rca sockets a little bit outwards.

Now you can fix the module with the two screws again.

Note: Don't tighten the screws to hard!

If you want to use a moving coil module with a turntable which has no separate ground connection, you have to leave the ground jumpers (J401/J402 see fig. 3) in their position, otherwise remove them.

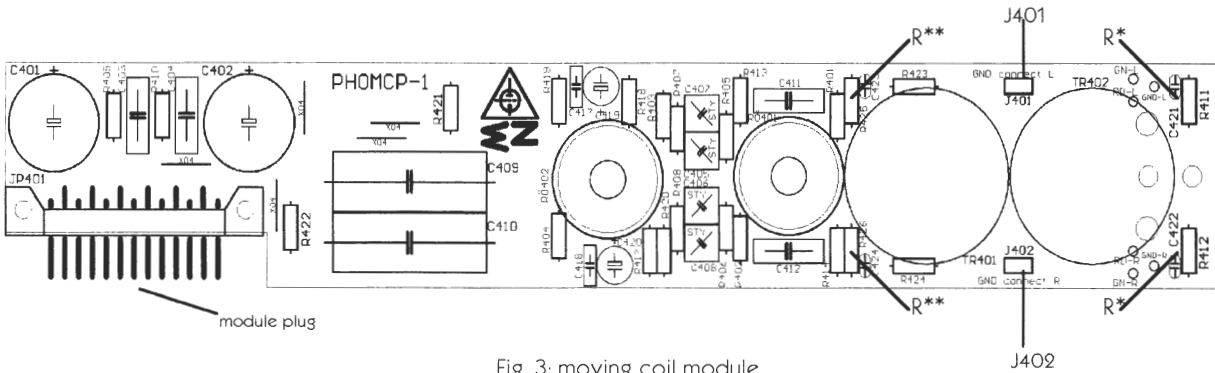


Fig. 3: moving coil module

2.2 Adjustment for moving coil pick ups

By means of changing the four marked resistors (see fig. above), you are able to adjust the resistance of the module to your moving coil pick up.

Adjustment secondary:

$$\text{Input resistance: } Z_i = \frac{R^{**}}{100}$$

$$\text{e.g. } \begin{array}{l} Z_i = 100 \Omega \quad \Rightarrow \quad R^{**} = 10 \text{ k}\Omega \text{ (normal state!)} \\ Z_i = 1 \text{ k}\Omega \quad \Rightarrow \quad R^{**} = 100 \text{ k}\Omega \end{array}$$

Adjustment primary:

$$\text{Input resistance: } Z_i = \frac{\left(\frac{R^{**}}{100}\right) * R^*}{\left(\frac{R^{**}}{100}\right) + R^*} \approx R^* ; (R^{**} \rightarrow \infty)$$

As R^{**} you may use values from 100k up to 680k. For R^* is not so good accessible, you have to solder the resistors direct to the rca sockets.

Having finished all that, you can assemble the unit in the opposite way.

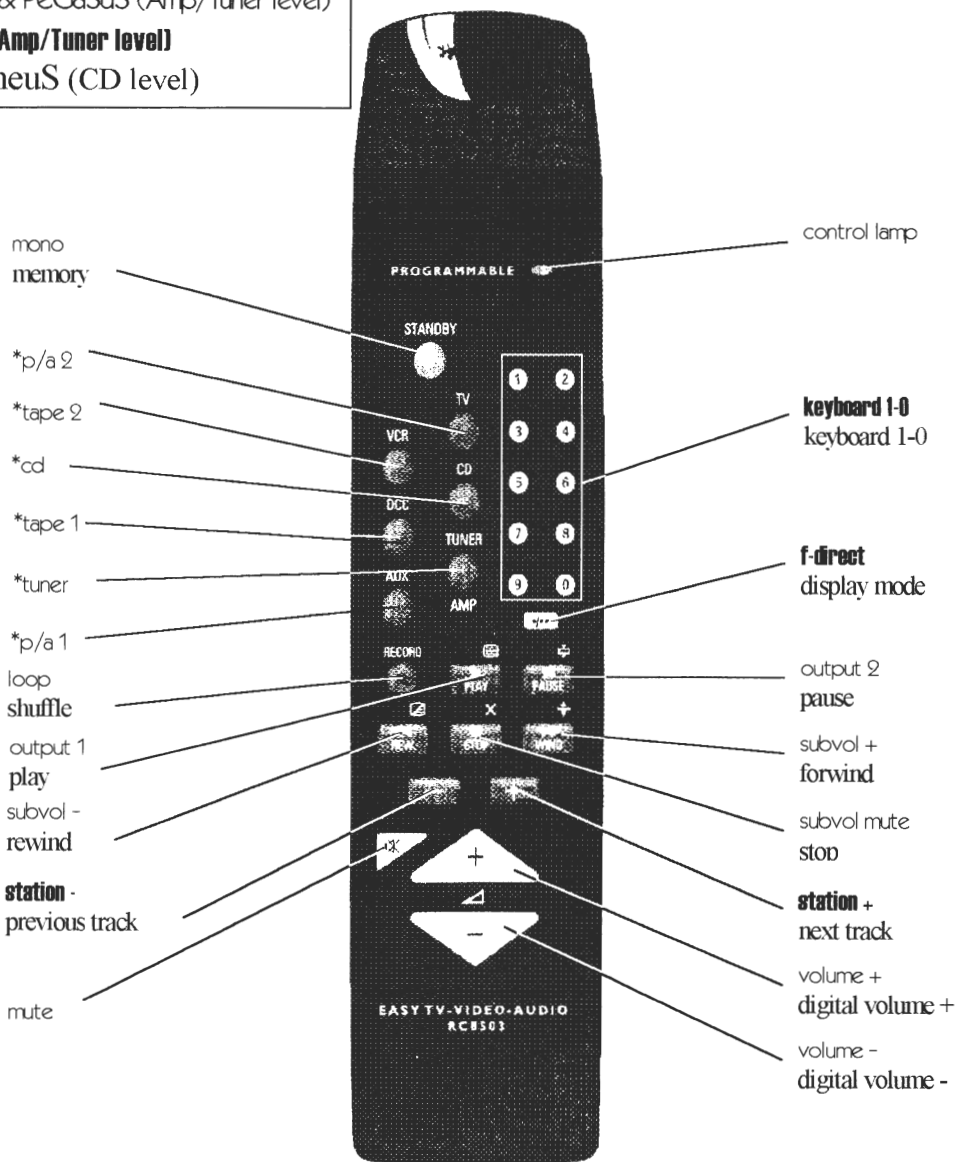
3 Remote control transmitter (option)

For this is a programmable remote control unit with six operation levels, you can use those keys, which are not needed for ProMetheuS, PAndorA, PeGaSuS and PhoeniX for programming with any other function you have on your existing remotes so far. E.g. you can make this remote control learn the remote functions for your TV-set. Please take care of having always a set of spare batteries - empty batteries must be replaced within 30 minutes. Otherwise all functions will be deleted.

The commands for PAndorA, PhoeniX and PeGaSuS are placed on the AMP / TUNER level, those for ProMetheuS on the CD level. The markings on the remote control are essentially corresponding to the markings on your MuSiCa NoVa set (see illustration), respectively the common used symbols. Furtheron there are four levels for VCR, TAPE, AUX and TV. The commands *volume+*, *volume-* and *mute* are programmed on all six levels, but on the CD level the *volume+* and *volume-* keys control the digital output volume of ProMetheuS.

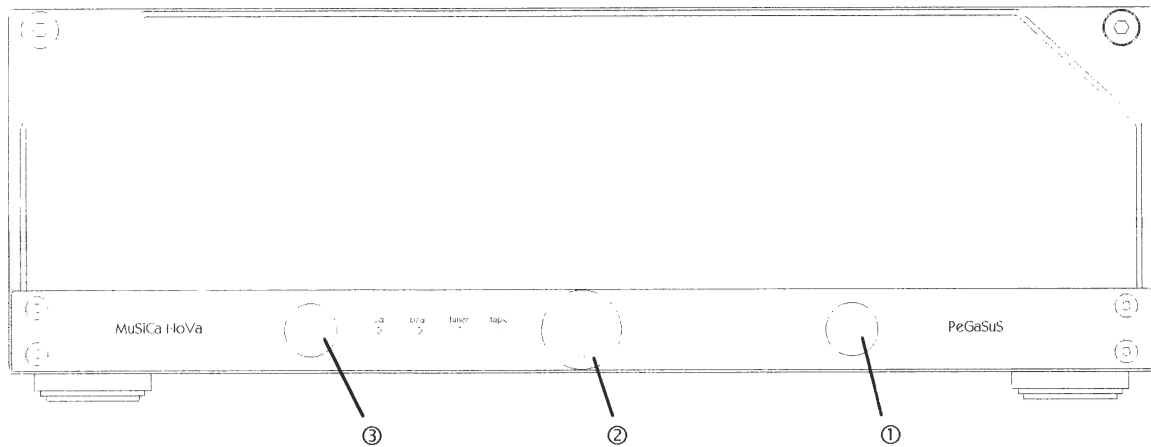
The switching between the different levels works with a short press of the * marked keys, longer pressing of these keys will switch also the corresponding inputs of PhoeniX or PeGaSuS. For further details concerning the use of the remote control (e.g. learning of other commands), please read the original instruction manual.

PhoeniX & PeGaSuS (Amp/Tuner level)
PAndorA (Amp/Tuner level)
 ProMetheuS (CD level)

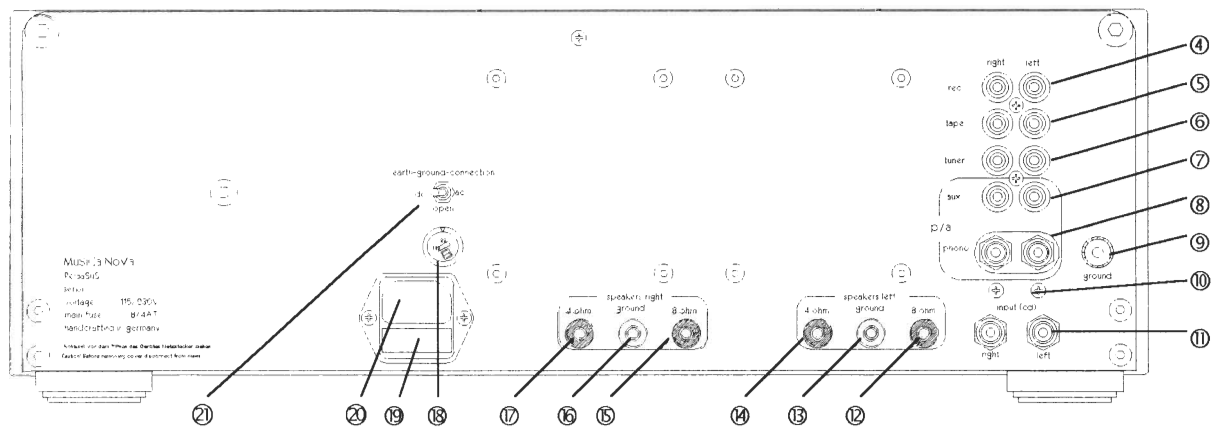


4 Figuration

Front view



Rear view



- | | |
|----------------------------------|-----------------------------------|
| ① Power on/off | ⑪ Input CD |
| ② Volume | ⑫ Speaker left + 8 Ohm |
| ③ Input select | ⑬ Speaker left - |
| ④ Output record | ⑭ Speaker left + 4 Ohm |
| ⑤ Input tape | ⑮ Speaker right + 8 Ohm |
| ⑥ Input tuner | ⑯ Speaker right - |
| ⑦ Input aux (line input) | ⑰ Speaker right + 4 Ohm |
| ⑧ Input phono | ⑱ Voltage selector (110V or 220V) |
| ⑨ Ground | ⑲ Mains fuse |
| ⑩ Mounting screws (module blend) | ⑳ Mains socket |
| | ㉑ Groundlift |