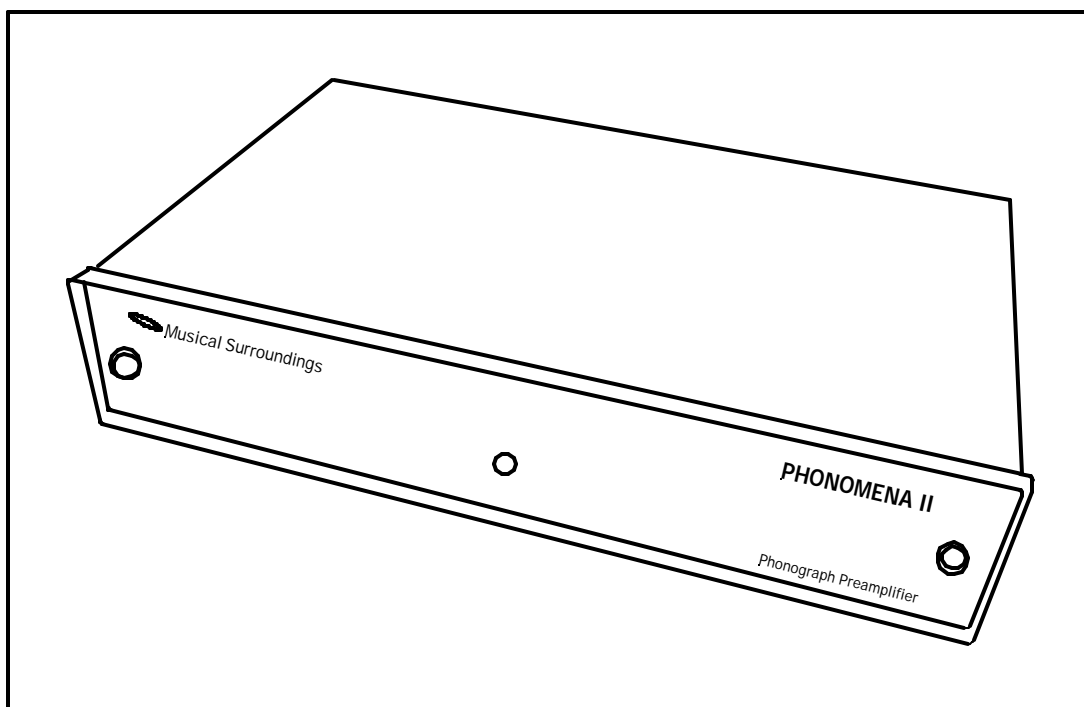


*MUSICAL SURROUNDINGS PRESENTS:*

# ***THE PHONOMENA II***

*PHONOGRAPH PREAMPLIFIER*



*OWNER'S MANUAL*

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## *1.0) INTRODUCTION*

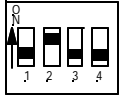
The Phonomena II is a complete phonograph preamplifier with RIAA equalization that amplifies the output signal of a phonograph cartridge, either moving-coil or moving-magnet, up to a nominal "line level". The Phonomena II may be used with a receiver or an integrated amplifier. If you use separate components, a line level control unit (preamplifier) is required before the power amp, since there is no independent volume control for the Phonomena II unit. The Phonomena II's power supply connects to the wall with the supplied wall-mount transformer.

Installation and set-up of the Phonomena II is quite simple. It involves:

- a.) Setting the two internal configuration settings (one for each channel) for Gain and Input Loading (see section 2).
- b.) Connecting to a power source (with the supplied wall-mount transformer).
- c.) Connecting the Audio Inputs and Outputs (see section 4)
- d.) Placing the unit (see section 5).

## 2.0) INTERNAL CONFIGURATION SETTINGS

### 2.1) BASIC GAIN SETTINGS



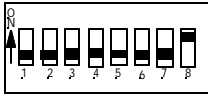
#### GAIN SWITCHES

To Set the Gain, there are two sets of four dip switches, located on the Phonomena II's back panel (one set each for the left and right channels). Refer to your phonograph cartridge's instruction manual for the suggested Gain setting. Factory Settings are always 40dB for Gain. Lower Gains (40 and 44dB) are effective for moving-magnet cartridges or very high output moving-coil cartridges (>2.0mV). Medium Gain settings (46 and 50dB) are ideal for medium-output moving-coils (.9-1.5mV). High Gain settings work well with low-output moving-coil cartridges. To change settings, use a non-metallic object to push the switches UP for the ON position.

2.2) GAIN SETTINGS CHART				
SWITCH #	1	2	3	4
GAIN (dB)				
40	OFF	OFF	OFF	OFF
44	OFF	OFF	OFF	ON
46	OFF	OFF	ON	OFF
48	OFF	OFF	ON	ON
50	OFF	ON	OFF	OFF
51.5	OFF	ON	OFF	ON
52.7	OFF	ON	ON	OFF
53.7	OFF	ON	ON	ON
56	ON	OFF	OFF	OFF
57.5	ON	OFF	ON	ON
58.4	ON	OFF	OFF	ON
59.4	ON	ON	ON	OFF
60	ON	ON	ON	ON

Always let the unit settle for 60 seconds after any configuration changes are made before listening. Slowly raise the volume after making any change. This will ensure that the unit is stable and will not damage your system if the configuration is not set correctly.

## 2.3) BASIC INPUT LOADING SETTINGS



### INPUT LOADING SWITCH

To set the Input Loading, there are two eight-position switches, one for each channel, located on the rear panel. Refer to your cartridge owner's manual to determine proper Input Loading settings. The factory setting for Input Loading is 50,000 Ohms.

Switch #1 controls capacitive loading, which is often used with moving-magnet cartridges and has little effect on moving-coil cartridges. When using a moving-coil cartridge, try both capacitive loading positions to determine the effect. CAPACITIVE LOADING (SWITCH #1): OFF=200pF; ON=300pF.

Switches #2-8 control resistive loading, which is primarily used with lower-output moving-coil cartridges. Most moving-magnet along with medium and high-output moving-coil cartridges use approximately 50,000 Ohms. Low-output moving-coil cartridges typically use 2000 Ohms or less. Check the chart below and select the closest Input Loading value to the cartridge manufacturer's recommended value. Typically, a lower resistive setting provides increased focus and tighter bass, while a higher setting provides more openness. Use a non-metallic object to select the proper settings, flipping the switch UP to activate the ON setting.

2.4) INPUT LOADING SETTINGS CHART

SWITCH #	1	2	3	4	5	6	7	8
LOADING (Ohms)								
30	X	ON	ON	ON	ON	ON	OFF	OFF
40	X	ON	ON	OFF	OFF	OFF	OFF	OFF
50	X	ON	OFF	OFF	ON	ON	OFF	OFF
59	X	ON	OFF	OFF	OFF	OFF	OFF	OFF
80	X	OFF	ON	ON	OFF	OFF	OFF	OFF
100	X	OFF	ON	OFF	OFF	ON	ON	OFF
121	X	OFF	ON	OFF	OFF	OFF	OFF	OFF
150	X	OFF	OFF	ON	ON	OFF	ON	OFF
243	X	OFF	OFF	ON	OFF	OFF	OFF	OFF
280	X	OFF	OFF	OFF	ON	ON	ON	OFF
380	X	OFF	OFF	OFF	ON	OFF	ON	ON
475	X	OFF	OFF	OFF	ON	OFF	OFF	OFF
660	X	OFF	OFF	OFF	OFF	ON	ON	ON
1,000	X	OFF	OFF	OFF	OFF	ON	OFF	OFF
2,000	X	OFF	OFF	OFF	OFF	OFF	ON	OFF
50,000	X	OFF	OFF	OFF	OFF	OFF	OFF	ON
100,000	X	OFF	OFF	OFF	OFF	OFF	OFF	OFF

### ***3.0) POWER SUPPLY***

The Phonomena II connects to a wall outlet or power strip with the supplied wall-mount transformer. The unit will not operate without the wall-mount transformer.

### ***4.0) INPUTS AND OUTPUTS***

Please make sure that the volume control on your receiver, integrated amp, or pre-amp is turned completely down before plugging in the audio connections. Connect the phonograph cables of your turntable to the inputs of the Phonomena II, noting proper left and right connections. Attach the turntable's ground lead to the ground lug on the rear panel of the unit.

Using a high-quality interconnect cable, connect the outputs from the Phonomena II to the line-level input of your receiver, integrated amplifier or pre-amp, again noting proper left and right channels. **DO NOT PLUG THE PHONOMENA II OUTPUT INTO A "PHONO" INPUT.** Use the standard LINE IN jacks, as phono jacks often include special circuitry that is not needed when using a phonograph preamplifier.

### ***5.0) UNIT PLACEMENT***

The Phonomena II may be placed under your turntable if space allows, on a separate shelf in your audio rack, or on top of another source or line-level component. Please make sure that ventilation to the unit is not restricted, and that the unit is away from magnetic fields or noise from other components' motors, transformers or displays.

### ***6.0) USING YOUR PHONOMENA II***

If you have followed the above instructions, you are ready to play music. Simply cue down your cartridge on a favorite record, select the correct input on your receiver, integrated amp or pre-amp, slowly bring up the volume level, and sit back and enjoy the music.

## **7.0) WARRANTY INFORMATION**

Return the enclosed warranty card to us within 30 days with a copy of your sales receipt and the Phonomena II will be fully warranted against failure for three years after purchase. The warranty covers parts and labor only; damage due to improper use, modifications or acts of nature are not covered. We do not assume any liability for any damage to any other component in the system due to a failure in the Phonomena II. If you believe your unit is malfunctioning, please contact the dealer where you purchased the unit or contact:

Musical Surroundings

Telephone: (510) 547-5006 (x-101)

Fax: (510) 547-5009

Email: [service@musicalsurrroundings.com](mailto:service@musicalsurrroundings.com)

If the unit is not behaving as expected, and needs to be returned for repair, contact Musical Surroundings at the above number and you will be issued you a Return Authorization (RA) number. You must then send the unit (packed in its original box) back to Musical Surroundings.