

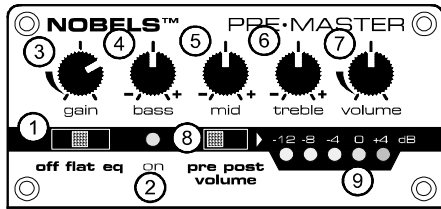
Thank you for purchasing the NOBELS PRE-MASTER!

You have chosen a high-quality device with wide functional range. Before using the PRE-MASTER for the first time please read this manual thoroughly in order to get optimum results and prevent malfunction.

The NOBELS PRE-MASTER is a universal Pre-Amplifier for music applications. It serves as a convenient tool in processing a wide range of musical instrument signals, e.g. the output of an electric guitar. This will yield a considerable increase in sound quality if the device is adjusted properly.

It is possible to achieve much more detailed and dynamic instrument signals when using the PRE-MASTER as a front end for studio recordings or PA systems.

Its flexible set of controls allows for optimum level adjustment for any amplifier, recording device, mixer or effect unit.



① **Power switch:** Selects the different operating modes of the PRE-MASTER. In the leftmost position the device is switched off and no signal is present at the output. When set to the middle position ("flat") the preamplifier is engaged but the tone controls remain inactive. Any movements of the 3 corresponding knobs have no influence on the signal.



In its rightmost position ("eq") the switch engages the tone controls as well so that all knob settings become relevant.

② **Power LED:** Glows when a proper operating voltage is supplied and thus

indicates that the PRE-MASTER is ready to operate.

③ **Gain control:** Sets the gain of the signal present at the PRE-MASTER's Input. Turning the control clockwise will increase the gain whereas counter-clockwise rotation will decrease it.

④ **Bass control:** Adjusts the low frequencies around 80Hz. In the neutral 12 o'clock position the signal will pass unaffected. An increase of the bass frequencies is achieved by rotating the control clockwise, a decrease by converse rotation.

⑤ **Mid control:** Works similar to the bass control, except that it affects the middle frequencies around 1kHz.

⑥ **Treble control:** Increases or decreases the high frequencies from approximately 5,5 kHz upwards.

An increase of the high frequencies is also achieved by rotating the control clockwise, a decrease by converse rotation.

⑦ **Volume control:** Sets the output level of the PRE-MASTER in order to pass the signal to the following device with optimum amplitude. As with the tone controls, clockwise rotation of this knob will increase the level.

⑧ **Meter switch:** Selects where the signal to be displayed on the LED bargraph is tapped from the audio path. When switched to the right position ("pre") the signal is tapped before the volume control so that its setting has no influence on the meter reading. This mode is intended for setting the PRE-MASTER's internal working level via the gain control.

In the right position of the switch ("post") the signal is tapped behind the volume control and the meter is thus displaying the PRE-MASTER's output level. This mode is intended for setting the optimum level for other devices that are connected to the PRE-MASTER's output. This helps to prevent possible distortion in following input stages.

⑨ **LED bargraph (level indicator):** Serves as an optical indicator for different signal levels depending on the setting of the meter switch.

⑩ **DC in jack:** Connects to a regulated DC power supply (*refer to technical data*).

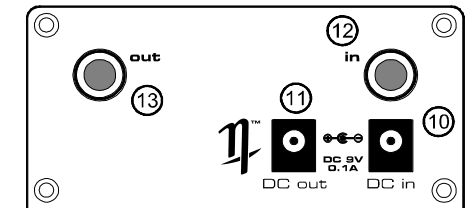
⑪ **DC out jack:** Other devices, e.g. NOBELS effect pedals, can be connected here for feeding multiple gadgets from one power supply.

This feature requires a properly dimensioned DC source as well as matching power requirements for all devices in question.

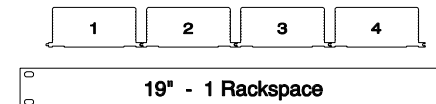
NOBELS keeps with the most widely-used international standard so there should be no problem in most cases. Please refer to the technical data section for details.

⑫ **Input jack:** The instrument (e.g. electric guitar) is connected here via a standard instrument cable.

⑬ **Output jack:** This is connected to the next device in the signal chain, e.g. a recording machine, mixer or amplifier. In most cases a regular guitar cable works best for this purpose as well.



The Interlock System: Housings of the MASTER SERIES and COMPACT SERIES are mechanically 100% compatible. Up to four units can easily be interlocked and mounted to a 19" standard tray using one rack space:



Operating instructions:

In order to get optimum results from the PRE-MASTER it is necessary to set the input level first:

- For this purpose the power switch is set to the "flat" position and
- the meter switch is set to the "pre" position. In this configuration the "gain" control is the only control to have an influence on the level indicated by the LED bargraph.
- Now the "gain" control is turned up until strong signal peaks let the rightmost (red) LED flash momentarily, indicating that the PRE-MASTER is operating near its maximum undistorted level of +4dBm.
- Now the desired output level can be set by adjusting the PRE-MASTER's "volume" control.

When engaging the tone controls it must be considered that any substantial boost, especially of the bass frequencies, can have significant influence on the signal's overall level. If a strong increase in this frequency range is desired the input level must be lowered accordingly by means of the "gain" control in order to prevent unwanted distortion.

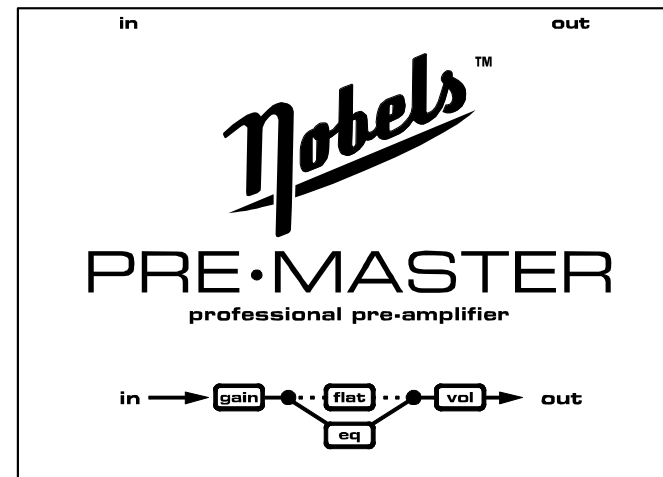
If on the other hand a frequency band is attenuated so much that it causes a relative increase in audible background noise the input level should be readjusted by turning the "gain" control up. In each case the LED bargraph serves as reference to the user.

Technical data:

Operating voltage	: 9~12V ^{*1)} DC / 200 mA (regulated)
Power consumption	: 75 mA max. [95 mA] ^{*2)}
Dimensions (mm)	: 104 x 69 x 43
Input impedance	: 1 MΩ
Output impedance	: <1 KΩ
Max. input level	: +4 dBm
Max. output level	: +4 dBm
Amplification	: 22dB / eq = flat
Level Indicator	: Green: -12dB, -8dB, -4dB, Yellow: 0dB, Red: 4dB
Frequency response	: 5 Hz – 24 kHz (+/-1.5 dB)
Bass	: +/- 12 dB / 80 Hz
Mid	: +/- 10 dB / 1 kHz
Treble	: +/- 12 dB / 5.5 kHz

^{*1)} The use of a 12V DC power supply expands the device's headroom.

^{*2)} Specifications in [] refer to 12V operation.



Owners Manual



Specifications subject to change without prior notice.

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PRE-MASTER S2-040627EN