

Thank you for purchasing the NOBELS A/B-MASTER!

The A/B-MASTER is a high-quality universal A/B switchbox for music applications. It allows the user to select between two different signal paths.

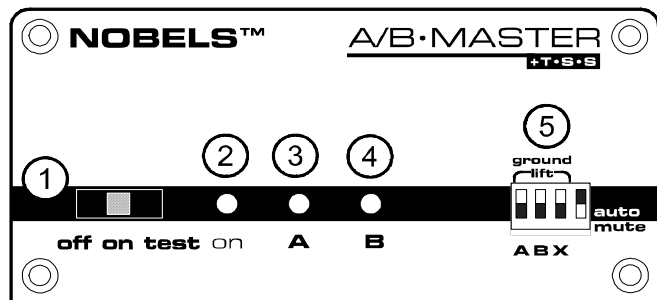
It is possible to switch two input signals alternately to one output. This is convenient when playing two different guitars alternately over the same amplifier, for example.

Another application is the selection between two different outputs from one input. This could be used to play one instrument alternately over two different amplifiers, for example.

The switching action is controlled from remote via a conventional foot switch. It is also possible to control the A/B-MASTER from an external MIDI switcher, such as the NOBELS MS-4.

The A/B-MASTER is equipped with our new innovative *T.S.S. (True Switching System)*, which transfers the input signal(s) to the output(s) absolutely unadulterated without any loss in clarity or punch. This system employs the highest grade audio relays, otherwise found in Hi-End studio equipment.

As another unique feature the A/B-MASTER provides separate switches to connect or break the individual ground connections of all in- and outputs. This is an important help in tackling the most common hum problems, that can occur when several different pieces of equipment are connected.



- ❶ **Power switch:** In the leftmost position the device is switched off.

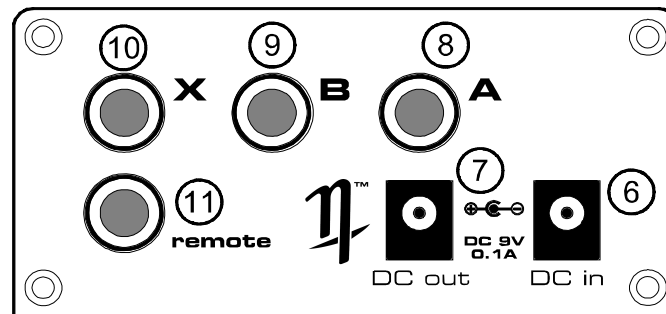
The center position ("on") selects the A/B-MASTER's normal operating mode. This enables the user to select between the two different signal paths "A" and "B" via a remote switch.

The rightmost position selects the units "test" mode, which allows for a function check without an external switch connected.

When the switch is moved to the "test" position the PRE-MASTER switches from "A" to "B" automatically.

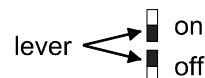
This function is only available when no external switch is connected to the "remote" jack.

- ❷ **Power indicator:** The LED lights when a proper operating voltage is supplied and shows that the A/B-MASTER is switched on.



- ❸ **"A" indicator:** Lights when the "X" jack is internally switched to jack "A".
- ❹ **"B" indicator:** Lights when the "X" jack is internally switched to jack "B".
- ❺ **Ground / auto mute switches:** The left three miniature switches cause the signal grounds of the corresponding in-/outputs to be disconnected in the "lift" position (*please refer to instructions for use*).

miniature switch:



The rightmost miniature switch causes the unused in-/output to be shorted to ground automatically. This eliminates noise problems that can be generated by "open" amplifier inputs.

- ❻ **DC in jack:** The connection for a regulated DC power adaptor to supply a proper operating voltage to the A/B-MASTER. Please refer to the technical data section for details.
- ❼ **DC out jack:** Further devices (e.g. effect pedals) can be connected here for feeding them off the A/B-MASTER's power supply. This requires the external power adaptor to match all necessary

specifications and to be able to supply an adequate current.

Regarding polarity, plug size etc. NOBELS follows the standard of the world's most popular effects lines so there should be no problems to be expected in most cases.

- ❽ **"A" jack:** Serves as input A when using two inputs and as output A when using two outputs.
- ❾ **"B" jack:** Serves as input B when using two inputs and as output B when using two outputs.
- ❿ **"X" jack:** Serves as the output when using two inputs or as the input when using two outputs. All signal connections are made using regular instrument cables with mono jack connectors.

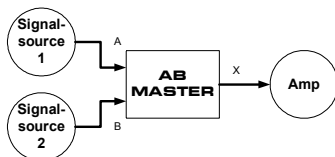
- ⓫ **Remote jack:** The switching function can be activated remotely by connecting a regular foot switch (latched type) here.

The A/B-MASTER may as well be operated from a MIDI switcher, such as the NOBELS MS-4.

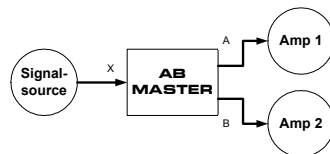
Hint: If a momentary foot switch is connected instead of the latched type, the A/B-MASTER will switch from "A" to "B" as long as the switch is pressed and return to "A" automatically as soon as the switch is released.

Instructions for use:

When using two input signals jacks "A" and "B" serve as inputs whereas jack "X" serves as the output:



When going for two output signals jacks "A" and "B" serve as outputs whereas jack "X" serves as the input:

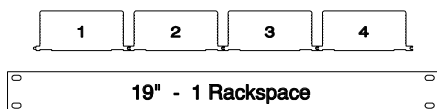


Whenever signal connections are made between different devices with separate safety grounds there is a chance of hum problems introduced by so called earth loops.

For this reason the A/B-MASTER provides a simple but effective option to break these troublesome loops. To achieve this the user must simply set the "ground" switch of the input or output in question to its upper "lift" position. Sometimes this might be necessary on several in-/outputs.

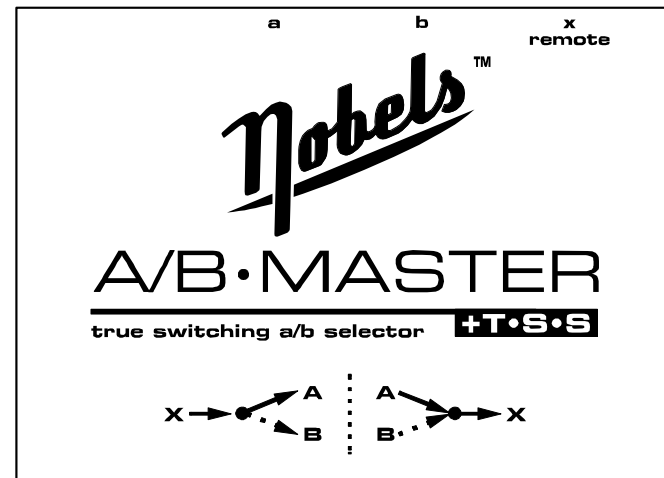
The Interlock System:

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:



Technical data:

- Operating voltage : 9 ~ 12 V DC / 150 mA (regulated)
- Current drain : 15 mA max.
- Dimensions (mm) : 104 x 69 x 43



Owners manual

