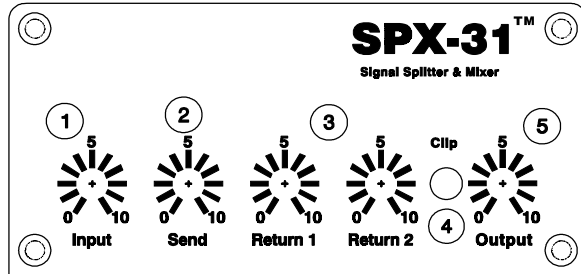


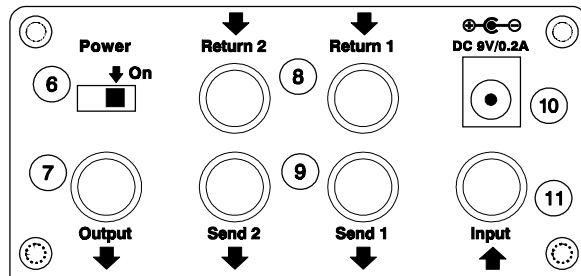
## Owners-Manual

The SPX-31 is a low noise signal splitter combined with a line mixer. It is especially designed to change serial effectloops into parallel effectloops. This can improve your sound. Also your direct signal is always hearable because a lot of digital effects needs time to switch between programs. (muting)

### 1 OVERVIEW:



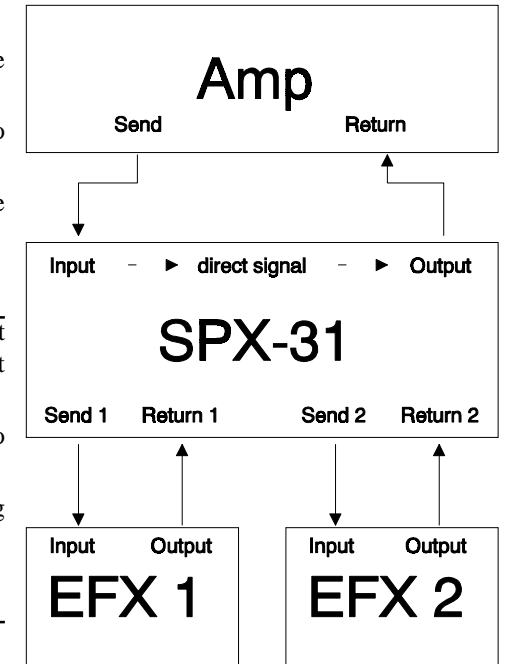
- 1 INPUT control:** Controls the amount of the direct signal.
- 2 SEND control:** Controls the level of the send outputs.
- 3 RETURN 1,2 controls:** Controls the amount of the returnsignals.
- 4 CLIP / ON led:** Lights when the unit is ON and flashes when the unit is overloaded. Decrease the level of the input sources or the output volume.
- 5 OUTPUT control:** Controls the output level of the unit.



- 6 POWER switch:** Switches the unit on.
- 7 OUTPUT jack:** Output of the unit. (Main output)
- 8 RETURN 1,2 jacks:** Inputs of the unit. (Signal from the EFX-units)
- 9 SEND 1,2 jacks:** Outputs of the unit. (Signal to the EFX-units)
- 10 DC jack:** Connect a stabilized power supply. 9~15V/200mA
- 11 INPUT jack:** Input of the unit. (Main input)

### 2 HOW TO CONNECT:

- Connect the "Send" output of the amp to the "Input" of the SPX-31.
- Connect the "Return" input of the amp to the "Output" of the SPX-31.
- Connect the inputs of your effects (EFX) to the "Send 1,2" jacks of the SPX-31.
- Connect the outputs of your effects to the "Return 1,2" jacks of the SPX-31.

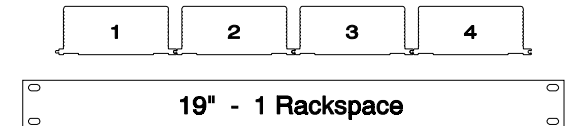


### 3 HOW TO CONTROL:

- Adjust the desired amount of your direct signal (*signal from your amp*) with the input pot.
- Adjust the send control of the SPX-31 to supply a good signal to your effects.
- Adjust the effect signal with the corresponding return pots.

### 4 HINTS:

- The SPX-31 can be mechanically combined with other NOBELS units. 4 units together are not bigger than a 19" unit (1U).
- Also it can be screwed. Best place is e.g.: Inside your combo amplifier.



### 5 TECHNICAL CHARACTERISTICS

Power	: 9~15V <sup>1)</sup> DC / 200mA (electr. stabilized)	Output impedance	: 2KΩ
Consumption	: max. 44mA	Max. output level	: +4dBm
Input impedance	: 1MΩ	Max. send level	: +4dBm
Max. input level	: +4dBm	Max. return level	: +4dBm
		Dimension (mm)	: 104 x 43 x 69

<sup>1)</sup> Using 15V DC will improve your max. headroom.

*The description and characteristics given in this manual are given as a general indication and not as a guarantee. In order to provide the highest quality product possible, we reserve the right to make any improvement and modification without prior notice. © 1996 MS Music Service GmbH*

*If you need more information, please ask your local dealer!*