



spl DeEsser Mk2 Auto Dynamic DeEsser User Manual

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spl DeEsser Mk2 Auto Dynamic DeEsser



Getting started

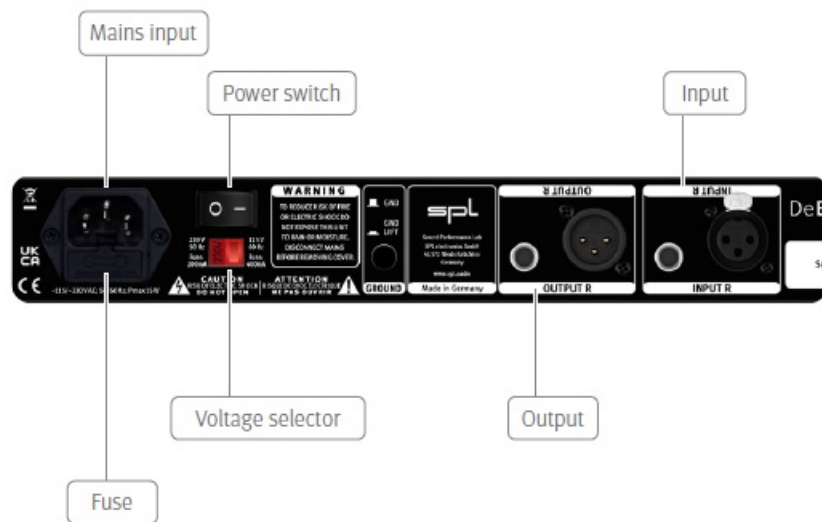
Read the safety instructions starting on page 7. Make sure that the mains voltage of the DeEsser Mk2 mentioned in the specifications (page 14) corresponds to the voltage of your region. The power switch on the back of the DeEsser Mk2 must be in the off position. (Off = O / On = I). Connect the supplied power cord to the power connector of the DeEsser Mk2 and to a power outlet. If the supplied power cord does not match your mains socket outlet, please contact your dealer. The devices that are to be connected to the DeEsser Mk2 must be switched off. Connect your devices to the inputs and outputs of the DeEsser Mk2 using appropriate audio cables (XLR, TRS). Audio cables not included in the scope of delivery.

Power on

Switch on the power switch on the rear panel of the DeEsser Mk2 (On = I). The PWR LED and all activated switches light up.

Power off

Switch off the power switch on the rear panel of the DeEsser Mk2 (Off = O). The PWR LED and all activated switches will no longer light up.



S-Reduction



- The S-Reduction control adjusts the intensity of the S-sound reduction.
In practice, S-Reduction settings between -2 dB and -8 dB achieve the best results for most applications.

LED display



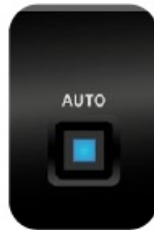
- The S-Reduction LED display visualizes the intensity of the S-sound reduction between 0 dB and -20 dB in 2 dB steps.

Auto



- The Auto switch activates the Auto Dynamic function. This automatically adjusts the threshold if the input level fluctuates due to varying distance to the microphone which leads to fluctuating input levels. With Auto Dynamic function engaged, the deessing intensity remains constant at the value you set with the S-Reduction control. This is a great help not only for inexperienced voice-over artists, but also in live situations.

Female



The Female switch is used to adapt to the voice characteristics: When the switch is pressed, the Female mode is selected. The automatic S-sound detection now reacts more intensively to higher-frequency S-sounds. The unpressed switch position selects the Male mode to adapt the S-sound detection to male voice characteristics. Lower-frequency S-sounds are processed. In addition, the mid frequency of the S-sound detection is increased from Male mode to Female mode. For male voices the mid frequency is at about 6 kHz, for female voices at just under 7 kHz. Nevertheless, you should not necessarily choose the Male position for male voices and the Female position for females. Always listen to the pitch and tone of the S-sound and try both positions.

ON



The On switch, activates or deactivates the respective channel. This allows you to quickly switch between processed and unprocessed signal. To minimize switching noises, switching is performed directly after the balanced inputs and outputs. This relay hard bypass circuitry also provides immediate redirection of inputs to outputs in the event of a power fault on the primary or secondary side of the power supply, or if the device is powered off.

Specifications

Analog inputs & outputs; XLR (balanced)

Maximum input gain	21 dBu
Input impedance	22 kΩ
Maximum output gain	21 dBu
Output impedance	150 Ω
Frequency range (-3 dB)	20 Hz – 50 kHz
THD + N (0 dBu, 10 Hz – 22 kHz)	-90 dB
Noise (A-weighted)	-97 dB
Dynamic range	118 dB

Internal Linear Power Supply with Toroidal Transformer

Operating voltage for analog audio	+/- 15 V
Operating voltage for relays and LEDs	+ 12 V

Mains Power Supply

Mains voltage (selectable)	230 V AC / 50; 115 V AC / 60 Hz
Fuse for 230 V	T 200 mA
Fuse for 115 V	T 400 mA
Power consumption	max. 15 W

Dimensions & Weight

W x H x D (width x height x depth)	482 x 44 x 237 mm
	19 x 1.73 x 9.33 inch
Unit weight	3,3 kg
	7,27 lbs
Shipping weight (incl. packaging)	4,45 kg
	9,81 lbs

Security Advices

Before starting up the device:

- Read thoroughly and follow the security advices.
- Read thoroughly and follow the Quickstart.
- Observe all warning instructions on the device.
- Please keep the user manual as well as the security advices in a safe place for future reference.

Warning

Always follow the security advices listed below to avoid serious injuries or even deadly accidents due to electric

shocks, short circuit, fire or other dangers. The following are examples of such risks and do not represent an exhaustive list:

Power supply/Power cord

Do not place the power cord near heat sources such as heaters or radiators and do not excessively bend or otherwise damage the cord, do not place heavy objects on it, or place it in a position where anyone could walk on, trip over, or roll anything over it. Only use the voltage indicated on the device. Only use the supplied power cord/plug. If you intend to use the device in an area other than in the one you purchased it, the included power cord may not be compatible. In this case please contact your dealer. Be sure to connect the device to an appropriate mains socket outlet with a protective grounding connection. Improper grounding can cause electrical shock.

Do not open

This device contains no user-serviceable parts. Do not open the device or attempt to disassemble the internal parts or modify them in any way. If it should appear to be malfunctioning, turn off the power immediately, unplug the power cord from the mains socket outlet and have it inspected by a qualified professional.

Water warning

Do not expose the device to rain, or use it near water or in damp or wet conditions, or place anything on it (such as vases, bottles or glasses) containing liquids which might spill into any openings. If any liquid such as water seeps into the device, turn off the power immediately and unplug the power cord from the mains socket outlet. Then have the device inspected by a qualified professional. Never insert or remove an electric plug with wet hands.

Fire warning

Do not put burning items, such as candles, on the unit. A burning item may fall over and cause a fire.

Lightning

Before thunderstorms or other severe weather, disconnect the device from the mains socket outlet; do not do this during a storm in order to avoid life threatening lightning strikes. Similarly, disconnect all the power connections of other devices, antenna and phone/ network cables which may be interconnected so that no damage results from such secondary connections. If you notice any abnormality When one of the following problems occur, immediately turn off the power switch and disconnect the electric plug from the mains socket outlet. The

n have the device inspected by a qualified professional.

- The power cord or plug gets frayed or damaged.
- The device emits unusual smells or smoke.
- An object has fallen into the unit.
- There is a sudden loss of sound during the use of the the device.

Caution

Always follow the basic precautions listed below to avoid the possibility of physical injury to you or others, or damage to the device or other property. These precautions include, but are not limited to, the following:

Power supply/Power cord


When removing the electric plug from the device or an mains socket outlet, always pull on the plug itself and not the cord. Pulling the cord may damage it. Unplug the device from the mains socket outlet when the device is not used for a while.

Location

Do not place the device in an unstable position where it might accidentally fall over. Do not block the vents. This device has ventilation holes to prevent the internal temperature from rising too high. In particular, do not place the device on its side or upside down. Inadequate ventilation can result in overheating, possibly causing damage to the device or even fire. Do not place the device in a location where it may come into contact with corrosive gases or salty air. This may result in malfunction. Before moving the device, remove all connected cables. When setting

up the device, make sure that the mains socket outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the mains socket outlet. Even when the power switch is turned off, electricity is still flowing to the product at a minimum rate. When you are not using the device for a long time, make sure to unplug the power cord from the wall mains socket outlet.

Documents / Resources

	<p>spl DeEsser Mk2 Auto Dynamic DeEsser [pdf] User Manual DeEsser Mk2 Auto Dynamic DeEsser, DeEsser Mk2, Auto Dynamic DeEsser, Dynamic DeEsser, DeEsser</p>
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