

### RME DPS-2



The new DPS-2 is an exceptional linear power supply that boasts not only impressive technical data but also a wide range of unique and highly useful features. For instance, the compact device features two differently filtered outputs. The housing and front panel of the DPS-2 are based on the ADI-2 series, accommodating RME's innovative circuitry design on only half rack width. The output Linear is a traditional DC output but is equipped with multi-stage passive and active filtering including a 30,000  $\mu\text{F}$  capacitor bank, a ferrite choke as well as an active output filter with a hybrid voltage regulator.

The second output is based on RME's proprietary  $\mu\text{Filter}$  technology. Here the signal from the pre-filtered Linear output is also processed by highly efficient active filters to achieve an exceptionally clean DC output with just a few  $\mu\text{V}$  (micro-volts) noise. In addition the output has sensor technology, which measures and adapts the output voltage directly at the DC connector of the supplied DC cable. Two DC Sensor connection cable with lockable & non-lockable DC plug 2.1 x 5.5 mm, (1 m) are included. As a result the output impedance and load regulation are extremely low, thus ensuring a clean output voltage of +12.0 V at 2.5 A load, completely avoiding any load-dependent voltage drops. Only one output is usable at a time.

If necessary the GND lift switch can be used to disconnect DC ground from PE (protective earth) to eliminate noise caused by ground loops. In this case safety is

## RME introduces the DPS-2 Exceptional Linear Power Supply

Wednesday, 24 April 2024 18:40

---

not affected since the primary part and the housing stay firmly connected to PE of the power inlet. In addition the DPS-2 comes with a ground terminal screw connection to earth other devices or to use an earthing other than PE for the audio power supply.

The DPS-2 features two status LEDs on the front to provide a quick overview of the operating modes and error conditions (power, thermal and power overload, undervoltage, short, active output). A recessed push switch on the front panel enables the unique AutoDark mode with LEDs only lit on error states and shortly during power up. Another unique feature is the 24-page manual, which shows the technical data in detail using many measured values, illustrated with measurement diagrams. It also contains background information on linear and switching power supplies.

[www.rme-audio.de](http://www.rme-audio.de)