

# QUADER

Thank you for purchasing QUADER. QUADER is high quality switching mode low noise power supply for synthesizers.

QUADER PSU is safely supplied from external AC / DC power adaptor which has wide range of input voltages and working worldwide.

Inside of rigid metal enclosure is PCB with electrical components. On one side of enclosure is power connector for AC/DC power brick and power switch. On second side are four output connectors, banana ground connection and +12V A , +12V B and -12V LED which present output voltages. In normal operation mode when the power switch is ON, LEDs are light on green. LEDs go out when some rail is overload or short.

+12 V output is split to two branches 2500 mA + 2500 mA ( A – branche and B - branche ). There are two XLR outputs for A branche and two XLR outputs for B branche.

**!!! Always if you connect new module or rearrange power connection in your synth please SWITCH POWER OFF to avoid modules or PSU faults!!!**

Do not cover ventilation holes on enclosure. When your synth is switched off, please disconnect power brick from wall socket. It is ecological and safety solution.



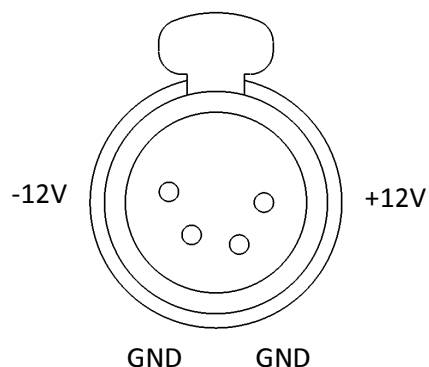
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## Specs

Power	90 W
Input QUADER	20 – 30 VDC
Input AC/DC brick	85 – 264 VAC
Outputs	+12 V / 5 A (2500 mA + 2500 mA) -12 V / 2500 mA
Output stability	±1% for 0-100% load
Output noise	max 20mVpp on 100% load (20MHz BW)
Output Connectors	4 x 4 pin XLR female (Neutrik NC4FAV) Matching / complementary: Neutrik NC4M type
Protections	Input filter Output overvoltage Output short circuit – automatic recovery Output over current – automatic recovery All output protections are independent for each rail LEDs indicate present and drop of output voltage.
Dimensions	195 mm x 111 mm x 70 mm
Weight	0.4 kg



Output connector connection (front view)

+12V – Pin 1  
GND – Pin 2  
GND – Pin 3  
-12V – Pin4