



I/O Connectivity

- 8 x Mic / Line Preamp Input (XLR/TRS Combo)
- 8 x Line Output (TRS balanced)
- 8 x AD-converter (up to 192 kHz)
- 2 x ADAT Output (S/MUX, up to 96 kHz)
- 4 x AES/EBU Output (D-sub, up to 192 kHz)
- 1 x AES/SPDIF Sync Input

Three in one: High-End microphone preamp, High-End line signal preamp, 8-channel AD-Converter for different analog sources.

The OctaMic II provides 8-channel 192 kHz / 24-bit AD conversion with eight hi-class microphone and line pre-amplification inputs, featuring a combination of sophisticated components and approved RME technology. Lowest distortion, excellent signal to noise ratio and perfectly linear frequency response transmit and amplify the microphone signals truly unchanged.

OctaMic II offers 8 balanced XLR mic / line inputs via Neutrik XLR/TRS combo jacks. Each channel has switches for 48V phantom power, a low cut filter and phase reversal. Amplification can be set between 6 and 60 dB. LEDs for signal, clip, and activated phantom power give a complete overview on the unit's status. When the special Clip Hold mode is activated, any detected clipping will cause the corresponding LED to flash once per second. With this, the user gets a long-term peak detection, and no longer needs to constantly watch the LEDs. At the same time momentary overloads are still displayed correctly.

Frontside switches include power on/off and output level, for a choice of -10 dBV, +4 dBu or Hi Gain (+19 dBu) as reference level. This unusual feature offers two advantages. First, the reference level can be easily switched to match any of RME's current interface devices, from HDSP 9632 through Multiface up to the renowned ADI-8 series converters. Second, the Signal to Noise ratio is optimized, and the Clip-LED will exactly match the ones of the ADI-8 (2 dB below 0 dBFS).

The balanced line level output signal is available at the back of the unit via 8 stereo TRS jacks. The specially developed, internal hi-performance switch mode power supply lets the OctaMic II operate in the range of 100V to 240V AC. It is short-circuit-proof, has an integrated line filter, is fully regulated against voltage fluctuations, and suppresses mains interference.

The 8-channel AD-conversion of the OctaMic II operates at up to 192 kHz. The digitized signal is available simultaneously at the double ADAT output (S/MUX, up to 96 kHz), and at a D-sub 25 connector (4 AES/EBU outputs, up to 192 kHz). The digital part can be clocked internally (master) and externally via word clock, AES/EBU and SPDIF.

RME's outstanding SteadyClock™ ensures perfect AD-conversion, as jitter on the external sync-sources is nearly completely removed. All settings are done via DIP-switches on the back of the OctaMic II. Analog outputs and both digital outputs operate fully simultaneously. The choice of reference level affects the analog outputs only, the signal/clip indication and the AD-conversion will react only to the Gain pots.

Specifications

- 8 balanced XLR/TRS mic/line inputs with 54 dB gain range
- Input impedance: XLR 2 kOhm, TRS 5 kOhm
- Analog input level: from -40 dBu up to +21 dBu
- Maximum output level: +21 dBu
- Output impedance: 75 Ohm
- Output level switchable Hi Gain / +4 dBu / -10 dBV
- Signal to noise ratio (SNR): 129 dB EIN @ 150 Ohm
- THD: < 0.0005 % @ 30 dB Gain
- Large frequency range (200 kHz) with special EMI input filtering
- Frequency response -0.5 dB: 5 Hz - 200 kHz
- Hi-pass filter: 80 Hz, 18 dB/oct.
- Line Out: 1/4" TRS (6.3 mm stereo jack), servo-balanced
- Phantom power: +48 Volt in every channel
- Internal wide range switching power supply 100-240 Volt AC
- Unbeatable price/performance ratio!
- AD conversion SNR: >110 dB(A)
- Supported sample rates: 28 kHz - 200 kHz
- THD: < 0.0003 %, < -110 dB
- Sync Sources: AES/EBU (also SPDIF coaxial), Word Clock, internal
- SteadyClock™ ensures best sound quality even with jittery external clocks



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