



Overview

The OctaMic includes extended features, turning it in more than just a combined, dual QuadMic. Thanks to sophisticated discrete Class-A technology, both state-of-the-art microphone preamps offer a pristine sound. Lowest distortion, excellent signal to noise ratio and perfectly linear frequency response transmit and amplify the microphone signals truly unchanged. Additionally, detachable rack mount holders and full battery compatibility make the OctaMic the perfect addition to (not only) the mobile Hammerfall DSP System.

OctaMic offers 8 balanced XLR mic / line inputs. Each channel contains switches for 48V phantom power, a low cut filter and phase reversal. Amplification can be set between 10 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 clip-state 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 OctaMic also has a 25-pin D-sub connector, which allows for a direct and lockable connection to RME's 8-channel converters ADI-8 PRO and DS, with just one cable. Of course, this connector also provides the ability to use an industry-standard breakout cable for 8 balanced XLR outputs. The included professional switching power supply offers safe operation world wide, even when the power lines are weak or noisy.

Furthermore, the OctaMic is RME's first unit to come in a completely re-designed housing. A new front panel construction and design not only gives a much better look, but also higher stability. Detachable rack mount holders and soft edges all around the unit are some of the new and useful details.

Connectivity

- 8 x Mic Preamp Inputs (XLR/TRS Combo)
- 8 x Line Output (TRS balanced)
- Line-Outs parallel to Sub-D for direct connection with ADI-8 DS/PRO

OctaMic D additional features:

- 8-fold AD converter (up to 192 kHz)
- 2 x ADAT Output (S/Mux, up to 96 kHz)
- 4 x AES/EBU Output (Sub-D, up to 192 kHz)
- 1 x AES-Input, Sync only

Features

- optional battery-powered operation
- SteadyClock™ (OctaMic D)
- cascadable



OctaMic D

The OctaMic D includes the optional OctaMic ADC module, which can also be added to the OctaMic basic version later on. The ADC module adds 8 channels of pristine 192 kHz AD-conversion, available as double ADAT output (S/MUX, up to 96 kHz), and simultaneously via DB-25 connector as 4 AES outputs (up to 192 kHz). The ADC can be clocked internally (master), and externally via word clock and AES sync.

RME's outstanding SteadyClock(TM) 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 D. 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.

Tech Specs

Operates with voltages ranging from 7-30V DC oder AC, allowing operation with practically any power source, including batteries

100% hum-free through internal switching regulators!

High-quality switching power supply included, for worldwide operation at 100-240 Volt

Max. output level +21 dBu

SNR: 129 dB EIN @ 150 Ohm

THD: < 0.006% @ 30 dB Gain

Frequency response: 5 Hz - 200 kHz, -0.5 dB

Hi pass filter: 80 Hz, 18 dB/oct.

Phantom power: +48 Volt in every channel

Unbeatable price/performance ratio!

OctaMic ADC Modul (OctaMic D):

SNR: > 110 dB(A)

Supported sample rates: 32 kHz - 192 kHz

THD: < -110 dB

Sync sources: AES/EBU, Word, internal

SteadyClock™ ensures best sound quality even with jittery external clocks



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