

RME launches 12Mic

Haimhausen January, 2020

At this year's Winter NAMM Show 2020 (January 16th to 19th) in Anaheim, California, RME introduces the new 12Mic, a digitally controlled 12-channel microphone preamplifier with AD converter unit, MADI and AVB connectivity. Being the first RME microphone preamplifier with Ethernet integration, the 12Mic meets the needs of professional audio users who value highest analog and digital signal quality with flexible integration into advanced production environments.

Access to the 12 analog XLR inputs of the 12Mic (four of which are XLR/TRS combo jacks featuring switchable Hi-Z) is provided via the front panel, allowing transparent amplification with up to 75 dB gain and an exceptional signal-to-noise ratio of 121.2 dB(A) after AD conversion. The rear panel features coaxial connections for MADI and word clock, ADAT outputs as well as two redundant AVB Ethernet ports for synchronized and prioritized transmission of up to 256 AVB channels each way via the license-free IEEE 802 standards.

At the heart of the 12Mic is the 268 x 282 channel routing matrix, which allows for free distribution of all analog, digital and network-based formats, making the 12Mic an unparalleled flexible microphone preamplifier for any audio environment. Besides controlling the 12Mic using the integrated front panel display, all operations and signal routing of the 268 x 282 matrix are accessible via a browser-based web interface. For connection to a computer, the 12Mic also features an integrated USB port.

Fully redundant

The 12Mic is based on an extensive redundancy concept for MADI and AVB signals. Alongside coaxial MADI inputs and outputs for up to 128 MADI channels, a separate optical MADI port is available, which can be used either for redundancy or, via an optional SFP module for MADI single or multi mode, as an additional, full-fledged MADI I/O. In addition, the 12Mic offers a redundant power supply via the power connector with IEC plug as well as a 12V DC power supply.

Femtoseconds for clocking

With the SteadyClock FS, the 12Mic features the latest clock and jitter rejection technology from RME. Based on a femtosecond clock – a femtosecond is the 10-15 times part of a second – SteadyClock FS reduces the intrinsic jitter when converting from and to analog over all digital formats to a new all-time low.

The next step

With the 12Mic - as well as the also newly introduced AVB devices M-1610 Pro and AVB Tool - RME again demonstrates its strength of innovation for groundbreaking audio solutions. From Firewire, USB 2.0 and USB 3.0 to MADI, the manufacturer is now setting new development standards in the field of AVB, offering professional audio users sophisticated technologies for highly reliable productions with maximum compatibility and future-proofing.

SRP: € 2,590.-- (incl. 19% VAT)

Availability: 2nd quarter 2020