

Multiface II

36-Channel 96 kHz Audio Interface



I/O Connectivity

18 Input / 18 Output channels

8 x Analog I/O (96 kHz)

1 x ADAT I/O (at 96 kHz via S/MUX)

1 x SPDIF I/O (96 kHz)

1 x Stereo Analog Output
(separate for Submix/Phones)

1 x MIDI I/O

1 x Word Clock I/O

The world's most successful analog/digital interface continues its successful career: RME's Multiface II offers the best possible performance in terms of low-latency operation and CPU load, thanks to its interface options which still surpass current serial technologies like USB or FireWire. The compact 9.5" box is not only called 'multi' because of its number of audio channels, but also because of the variety of digital audio formats that it supports.

Based on RME's award-winning Hammerfall technology and equipped with the latest circuit designs of the Fireface 800, the Multiface II offers ADAT optical I/O, SPDIF I/O, MIDI I/O, word clock I/O and a separate hi-power monitor output. On top there are 8 analog inputs and outputs, balanced and 24-bit/96 kHz. All this can be used on laptops as well as on desktop computers with lowest latency and minimal CPU load.

The reference level of the analog inputs and outputs can be changed by two separate switches on the front panel. All inputs and outputs are operational at the same time. The incorporated digital real-time mixer TotalMix™ offers unlimited mixing and routing for all I/Os – from multiple independent submixes to realtime integration of external effects. And the high-quality 24 bit/96 kHz analog line/headphone output lets you directly monitor your mix.

The Multiface II connects to a computer either via RME's HDSP PCI and CardBus card (PCI), or via HDSPe PCI and ExpressCard (PCI Express). These are sold separately and also available as bundle with the Multiface II. A special Disconnect Mode realizes standalone applications like AD/DA-converter, digital format converter, analog/digital mixer or submixer.

Being part of the HDSP system series, the Multiface II comes with drivers for Windows 2000/XP/Vista (multi-client operation of WDM, GSIF and ASIO) and Mac OS X (Core Audio, Core MIDI).

The unit's performance and the dependability of its drivers provide the same reliability for both mobile and studio use.

Specifications

- Dynamic ratio analog AD: 111.5 dB(A), DA: 112 dB(A)
- THD+N AD: -98 dB (0,0012%), DA: -97 dB (0,0014%)
- Analog level @ 0 dBFS (set by front panel switch): +2 dBV, +13 dBu, +19 dBu
- Dynamic ratio stereo monitor output: 119 dB(A), 119 dBA, output impedance 30 Ohm
- Input: 8 x line (1/4" TRS jacks), 1 x optical (TOSLINK), 1 x coaxial (RCA), 1 x MIDI, Word Clock (BNC)
- Digital input formats: SPDIF, AES/EBU (Consumer, Professional), ADAT optical
- Outputs: 8 x line (1/4" TRS jacks), 1 x optical (TOSLINK), stereo analog line (TRS), 1 x coaxial (phono), 1 x MIDI, Word Clock (BNC)
- Digital format Output: SPDIF, AES/EBU (Consumer/Professional), ADAT optical
- 1 x hi-power analog line/headphone output, separate output for independent submix
- Supported sample rates: 32, 44.1, 48, 88.2, 96 kHz, variable
- All settings changeable in real-time
- Automatic, intelligent master/slave clock control
- Unsurpassed Bitclock PLL (audio synchronization) in ADAT mode
- Enhanced Zero Latency Monitoring for latency-free submixes and perfect ASIO Direct Monitoring
- Comes with DIGICheck, RME's ultimate measurement, analysis and test tool
- Hardware level calculation: freely scalable level meters, peak and RMS calculation without CPU load
- TotalMix: 720 channel mixer with 40 bit internal resolution. MIDI remote controllable.
- S/MUX poured in hardware: 4 channels 24-bit/96 kHz for record and playback via ADAT optical

Optional Add-Ons

- HDSP TCO (only with HDSPe PCI Card): Timecode Option Module with enhanced sync capabilities. 1 x word clock I/O, 1 x video sync input (switchable from WC in), 1 x LTC I/O



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