



## Overview

The Multiface II is not only multi because of the many different interface formats supported, but also multi-channel! The small box using half the space of a 19" rack includes outstanding power and extensive features. 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 we provide 8 analog inputs and outputs, balanced and 24-Bit/96kHz, of course. All this can be used on laptops as well as on desktop computers with 'zero cpu load' and low latency!

Of course there are a lot typical RME features on board of the unit:

- 8 x analog line I/O, 24-Bit/96kHz, SNR 111 dBA, 1/4" TRS jacks
- 1 x ADAT digital I/O
- 1 x SPDIF digital I/O
- 1 x Word clock I/O (BNC)
- 1 x MIDI I/O, 16 channels high-speed MIDI
- 1 x hi-power analog line/headphone output, separate output for independent submix
- Hardware level calculation: freely scalable level meters, peak and RMS calculation without CPU load
- DIGICheck, RME's unique metering - and analyse tool
- TotalMix: 720 channel mixer with 40 bit internal resolution. MIDI remote controllable.
- S/MUX poured in hardware: 4 channels 24-Bit/96kHz for record and playback via ADAT optical

... and numerous other features found already in the Hammerfall series. And all this for an unbeatable price!

## Connectivity

- 8 x Analog I/O (96 kHz)
- 1 x ADAT I/O (at 96 kHz over 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
- TotalMix

## Features

- ADAT S/MUX
- TotalMix™
- Intelligent Clock Control
- Bitclock PLL
- SteadyClock™
- SyncCheck™
- SyncAlign™
- DigiCheck
- ZLM™



## Features

The front panel hosts some useful status LEDs, like MIDI state, lock state of the digital inputs and error state of the host-bus. Additionally there's a high-quality 24-Bit/96kHz analog line output, also usable with headphones, and one MIDI I/O.

The rear of the Multiface II shows unrivalled connectivity: 8 analog line I/Os on 1/4" TRS jacks (balanced, 24-Bit/96kHz), ADAT optical I/O (switchable to SPDIF optical), SPDIF I/O coaxial, word clock I/O and MIDI I/O. Don't settle for less!

The headphone output in hi-power technology offers high levels, even with low level headphones. Hence the headphone is direct usable with ASIO Direct Monitoring.

**Digital I/Os:** One ADAT optical I/O provides eight more channels. The coaxial SPDIF I/O is complete AES/EBU compatible.

The Multiface II can be used with laptops as well as desktop computers. The connection to notebooks is achieved via a CardBus card, the connection to desktops via a PCI card or PCI Express card. These interfaces are sold separately.

### Differences to Multiface I

Multiface II is 100% compatible with firmware and drivers of the previous model. The device provides the same feature set, identical settings and works with the same low-latency- and Zero-CPU load-performance.

Significant changes were provided to the internal core. The Multiface II integrates the more advanced features of Fireface- and OctaMic series:

- 1 x Hi-Power analog line/headphone out with volume (119 dB(A) SNR)
- analog input stage with advanced CMRR, lower THD and an increased SNR of 10 dB
- analog outputs with lower THD
- synchronised and effective power supply of OctaMic series
- reference level of the analog I/Os is changeable on the front with two different switches, instead the former internal jumper
- ADAT sync connection was replaced in favour of now eight Neutrik connectors
- Multiface II uses the same professional enclosure, like the ADI-2 and a more generous board layout, improving technical specifications and facilitating production and the improved internal quality.

## Tech Specs

**Supported sample rates:** 32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, variable

**88 buffer sizes/latencies available:** 1.5 ms, 3 ms, 6 ms, 12 ms, 23 ms, 46 ms, 93 ms, 186 ms

**ASIO Zero CPU Load Technologie:** 0 (zero!)% CPU load when using ALL 36 channels!

**All settings changeable in realtime**

**Clock modes:** slave and master

**Automatic, intelligent master/slave clock control**

**Enhanced Mixed Mode:** All inputs and outputs simultaneously operational

**Unsurpassed Bitclock PLL (audio synchronization) in ADAT mode**

**Enhanced Zero Latency Monitoring for latency-free submixes and perfect ASIO Direct Monitoring**

**DIGICheck**, the ultimate measurement, analysis and test tool

**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 (Cinch), 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



Worldwide Distribution

**audio ag**

Am Pfanderling 60 . 85778 Haimhausen . Germany  
Tel.: +49-08133-91810 Fax: +49-08133-9166

[www.rme-audio.de](http://www.rme-audio.de)

3 / 3