

RME FIREFACE UC

Šifra: 9287
Kategorija proizvoda: USB Zvučne kartice
Proizvođač: RME

Cena: 101.400,00 rsd

- 8 x Analog I/O
- 1 x SPDIF I/O coaxial
- 1 x USB 2.0
- 2 x Mic Preamp with digitally controlled gain

The compact Fireface UC has been uncompromisingly optimized for highest performance under Windows and Mac OS. Based on a newly developed RME Hammerfall core the Fireface UC provides revolutionary ultra-low latencies even with multiple channels. It uses two different firmware versions with different transfer methods to remove current restrictions of typical USB audio interfaces. The unit's operating mode Win or Mac can be changed directly at the unit at any time. Under Mac OS the Fireface's MIDI ports are class compliant, the operating system therefore automatically uses the included MIDI driver. Under both Operating Systems the available latencies* are simply sensational. The smallest buffer offered under Windows has 48 samples, under Mac OS X 14 samples. With this RME provides a performance previously not available from USB audio interfaces.

Features

The new interface not only makes the leading-edge RME Fireface technology available for every PC and Mac computer, it also provides a unique low-latency concept and a high grade of performance and compatibility, making the dream of the perfect and future-proof mobile pro audio recording solution come true. The Fireface UC features all of the proven RME analog and digital circuitry. It is the only device in its class with active jitter suppression, enhanced stand-alone functionality and complete controllability from the front panel, highly flexible I/Os in professional quality, and an unsurpassed 648-channel matrix router - at sample rates of up to 192 kHz.

Integrated DSP mixer . All inputs and outputs can be freely mixed, routed, and distributed with RME's TotalMix software. Up to 9 totally independent stereo submixes can be set up. Every output channel, and every submix channel can be recorded directly and without external cable loops. TotalMix can be completely MIDI remote controlled. The DSP-based hardware calculates RMS and Peak levels for all channels, without causing any significant CPU load.

Analog I/O . Eight analog inputs and outputs (all balanced, except outputs 7/8) with software controlled reference levels (-10 dBV, +4 dBu, Lo/HiGain), realized discretely in the analog domain, ensure highest dynamic range and fidelity. Inputs 5 to 8 on the rear feature RME's proven level references, -10 dBV, +4 dBu and Lo Gain can be selected in the settings dialog, equivalent to +2 dBV, +13 dBu and +19 dBu for digital full scale. The same applies to the balanced rear analog outputs 1 to 6. The hi-power phones output offers high volumes even with low-impedance headphones.

Preamps . The Fireface UC features 2 balanced microphone inputs with a digitally controlled input stage, individually switchable 48V phantom power, and Neutrik Combo connectors for XLR and TRS. These can also be used as additional line inputs. A pre-amplification of up to 65 dB (adjustable in 1 dB-steps over a range of 55 dB), exceptional EIN (Equivalent Input Noise) performance even at low pre amplification settings, and extremely low THD+N let these preamps surpass many reference devices. All level settings are 100% reproducible and can also be comfortably adjusted by software. Inputs 3 and 4 are flexible universal balanced inputs. They operate exactly like inputs 5 to 8 on the rear and can be adjusted to accept

RME FIREFACE UC
Image not found or type unknown

Channel, 24-Bit/192kHz
USB High Speed Audio Interface

Fireface UC
Image not found or type unknown

Connectivity

- 18 Input / 18 Output channels
- 1 x ADAT I/O or 1 x SPDIF I/O optical
- 2 x MIDI I/O
- 1 x Word Clock I/O
- TotalMix

standard studio input levels (+4 dBu, LoGain). The input impedance can be switched from line (10 kOhm) to instrument (470 kOhm), and offers an additional analog input amplification of up to 18 dB in steps of 0.5 dB.

Digital I/O . One ADAT I/O provides digital connection to mixers and converters. In combination with an ADI-8 DS/QS or OctaMic II, there are up to 16 analog inputs (respectively 12 @ 96 kHz). The coaxial SPDIF I/O (up to 192 kHz) is fully AES/EBU compatible. SPDIF can also be accessed through the optical I/O.

Word Clock & MIDI . A Word Clock input and output plus two MIDI I/Os (special breakout cable included) complete the list of features and turn the Fireface UC into an entire audio system of the highest quality.

More Features:

Sample rates up to 192 kHz on all I/Os (including 2 ADAT channels with SMUX4)

Two balanced universal inputs for line and instrument signals

Enhanced stand-alone operation with rotary encoder and front panel display

Two digitally controlled Mic Preamps in high-end quality

SteadyClock for maximum jitter suppression and clock refresh

TotalMix: 648-channel mixer with 42-bit internal resolution

54 Level Meter Peak/RMS, hardware-calculated

* Minimal latencies are not guaranteed as they depend on the specific computer and application.

Technical Specifications

Input AD: 6 x 1/4" TRS (4 x Line, 2 x Line/Instrument), 2 x XLR/TRS Combo connector (2 x Mic/Line), all servo-balanced.

Output DA: 6 x 1/4" TRS, servo-balanced, DC-coupled signal path. 1 x 1/4" TRS unbalanced

Input Digital: 1 x ADAT optical or SPDIF optical, SPDIF coaxial (AES/EBU compatible)

Output Digital: 1 x ADAT optical or SPDIF optical, SPDIF coaxial (AES/EBU compatible)

MIDI: 2 x MIDI I/O via breakout cable (4 x 5-pin DIN jacks), for 32 channels low jitter hi-speed MIDI

Dynamic range AD: 110 dB RMS unweighted, 113 dBA

THD AD: < -100 dB (< 0.001 %)

THD+N AD: < -98 dB (< 0.0012 %)

Crosstalk AD: > 110 dB

Dynamic range DA: 110 dB RMS unweighted, 113 dBA (unmuted)

THD DA: -100 dB (0.001 %)

THD+N DA: -96 dB (0.0015 %)

Crosstalk DA: > 110 dB

Input/Output level for 0 dBFS @ Hi Gain: +19 dBu

Input/Output level for 0 dBFS @ +4 dBu: +13 dBu

Input/Output level for 0 dBFS @ -10 dBV: +2 dBV

Sample rate internally: 32, 44.1, 48, 64, 88.2 kHz, 96 kHz, 128, 176.4, 192 kHz

Sample rate externally: 28 kHz - 200 kHz

Frequency response AD/DA, -0.1 dB: 5 Hz - 20.4 kHz (sf 44.1 kHz)

Frequency response AD/DA, -0.5 dB: 1 Hz - 43.3 kHz (sf 96 kHz)

Frequency response AD/DA, -1 dB: 1 Hz - 80 kHz (sf 192 kHz)

Driver support

Windows XP (from SP2), Vista, Vista 64, 7: Full ASIO multi-client operation of WDM and ASIO 2.0. WDM (DirectSound) with stereo and multi-Channel support. Mac OS X (10.5 or higher) Intel: Core Audio, Core MIDI.

System Requirements

Computer with at least Pentium Core 2 Duo CPU (see the list of [Tested Systems with USB chipsets](#)).

Accessories

19" Rackmounts