

## RME Fireface 802 FS



Šifra: 19012

Kategorija proizvoda: USB Zvučne kartice

Proizvođač: RME

**Cena: 208.680,00 rsd**

### Analog

AD, Line In 1-8, rear

Input: 6.3 mm TRS, electronically balanced

Signal to Noise ratio (SNR) @ LoGain: 116 dB (AES17), 118 dBA

Signal to Noise ratio (SNR) @ +4 dBu: 115 dB (AES17), 117 dBA

Frequency response @ 44.1 kHz, -0.1 dB: 8.9 Hz - 20.4 kHz

Frequency response @ 96 kHz, -0.5 dB: 4.3 Hz - 45.2 kHz

Frequency response @ 192 kHz, -1 dB: 3 Hz - 89 kHz

Filter: Short Delay Sharp, 5 / 5 / 6 samples delay

THD @ -1 dBFS: < -120 dB, < 0.0001 %

THD+N @ -1 dBFS: < -110 dB, < 0.00032 %

Channel separation: > 110 dB □ Maximum input level: +19 dBu

Input: 6.3 mm TRS jack, electronically balanced

Input impedance @ 1 kHz: 10 kOhm unbalanced, 10.6 kOhm balanced

Input sensitivity switchable between Lo Gain and +4 dBu

Input level for 0 dBFS @ Lo Gain: +19 dBu

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

Variable digital gain: 0 to +12 dB

Minimum level for 0 dBFS: +1 dBu, -1.2 dBV

Microphone In 9-12, front

As AD, but:

Input: XLR, electronically balanced

Input impedance: 3.4 kOhm

Signal to Noise ratio (SNR): 113 dB RMS unweighted, 116 dBA

Gain range: 54 dB

Maximum input level, Gain +6 dB: +10 dBu

Maximum input level, Gain +60 dB: -44 dBu

CLIP LED: 0 dBFS

SIG LED: -42 dBFS

Instrument In 9-12, front

As AD, but:

Input: 6.3 mm TS jack, unbalanced

Input impedance: 1 MOhm

Signal to Noise ratio (SNR): 113 dB RMS unweighted, 116 dBA  
Maximum input level, Gain +6 dB: +21 dBu  
Maximum input level, Gain +60 dB: -33 dBu  
Frequency response @ 44.1 kHz, -0.5 dB: 2.5 Hz - 20.8 kHz  
Frequency response @ 96 kHz, -0.5 dB: 2.5 Hz - 25 kHz  
Frequency response @ 192 kHz, -1 dB: 1.7 Hz - 36 kHz

#### DA - Stereo Monitor Output Phones (9-12)

As DA, but:

Output: 2 x 6.3 mm TRS stereo jack, unbalanced  
Maximum output level at 0 dBFS: +17 dBu  
Max power per channel @ 32 Ohm load, 0.02% THD: 200 mW (2.5 Vrms, +10 dBu)  
Signal to Noise ratio (SNR): 116 dB (AES17), 118 dBA  
Output impedance: 2 Ohm

#### DA, Line Out 1-8, rear

Output: 6.3 mm TRS jack, servo-balanced  
Signal to Noise ratio (SNR) @ HiGain: 116.5 dB (AES17), 118.5 dBA  
Signal to Noise ratio (SNR) @ +4 dBu: 116 dB (AES17), 118 dBA  
Signal to Noise ratio (SNR) @ -10 dBV: 107 dB (AES17), 109 dBA  
Frequency response @ 44.1 kHz, -0.1 dB: 0 Hz - 20.2 kHz  
Frequency response @ 96 kHz, -0.5 dB: 0 Hz - 44.6 kHz  
Frequency response @ 192 kHz, -1 dB: 0 Hz - 77.5 kHz  
THD+N: < -110 dB, < 0.00032 %  
Channel separation: > 110 dB  
Output level switchable Hi Gain, +4 dBu, -10 dBV  
Output level at 0 dBFS @ Hi Gain: +19 dBu  
Output level at 0 dBFS @ +4 dBu: +13 dBu  
Output level at 0 dBFS @ -10 dBV: +2 dBV (+4.2 dBu)  
Output impedance: 75 Ohm

### **MIDI**

1 x MIDI I/O via 5-pin DIN jacks  
Galvanically isolated by optocoupled input  
Hi-speed mode: Jitter and response time typically below 1 ms  
Separate 128 byte FIFOs for input and output

### **Digital**

Clocks: Internal, ADAT In, AES In, SPDIF In, Word Clock In  
Jitter suppression of external clocks: > 50 dB (> 1 Hz)  
Effective clock jitter influence on AD and DA conversion: near zero  
PLL ensures zero dropout, even at more than 100 ns jitter  
Digital Bitclock PLL for trouble-free varispeed ADAT operation  
Supported sample rates: 28 kHz up to 200 kHz

#### Digital Inputs

##### AES/EBU

1 x XLR, transformer-balanced, galvanically isolated, according to AES3-1992  
High-sensitivity input stage (< 0.3 Vpp)  
SPDIF compatible (IEC 60958)  
Accepts Consumer and Professional format  
Lock range: 27 kHz - 200 kHz  
Jitter suppression: > 50 dB (> 1 Hz)

##### ADAT Optical

2 x TOSLINK, format according to Alesis specification  
Standard: 2 x 8 channels 24 bit, up to 48 kHz  
Double Speed (S/MUX): 2 x 4 channels 24 bit 96 kHz  
Quad Speed (S/MUX4): 2 x 2 channels 24 bit 192 kHz  
Bitclock PLL ensures perfect synchronisation even in varispeed operation  
Lock range: 31.5 kHz - 50 kHz  
Jitter suppression: > 50 dB (> 1 Hz)

#### SPDIF optical (ADAT 1/2)

1 x optical, according to IEC 60958  
Accepts Consumer and Professional format  
Lock range: 27 kHz - 200 kHz  
Jitter suppression: > 50 dB (> 1 Hz)

### Word Clock

BNC, not terminated (10 kOhm)  
Switch for internal termination 75 Ohm  
Automatic Double/Quad Speed detection and internal conversion to Single Speed  
SteadyClock guarantees super low jitter synchronization even in varispeed operation  
Not affected by DC-offsets within the network  
Signal Adaptation Circuit: signal refresh through auto-center and hysteresis  
Overvoltage protection  
Level range: 1.0 Vpp - 5.6 Vpp  
Lock Range: 27 kHz - 200 kHz  
Jitter suppression: > 50 dB (> 1 Hz)

### Digital Outputs

#### AES/EBU

1x XLR, transformer-balanced, galvanically isolated, according to AES3-1992  
Output level Professional 4.2 Vpp, Consumer 2.4 Vpp  
Format Professional according to AES3-1992 Amendment 4  
Format Consumer (SPDIF) according to IEC 60958  
Single Wire mode, sample rate 28 kHz up to 200 kHz

#### ADAT

2 x TOSLINK, format according to Alesis specification  
Standard: 2 x 8 channels 24 bit, up to 48 kHz  
Double Speed (S/MUX): 2 x 4 channels 24 bit 96 kHz  
Quad Speed (S/MUX4): 2 x 2 channels 24 bit 192 kHz

#### SPDIF optical (ADAT 1/2)

Format Consumer (SPDIF) according to IEC 60958  
Sample rate 28 kHz up to 200 kHz

### Word Clock

BNC  
Max. output voltage: 5 Vpp  
Output voltage @ 75 Ohm termination: 4.0 Vpp  
Output impedance: 10 Ohm  
Frequency range: 27 kHz - 200 kHz

### General

Power supply: Internal switching PSU, 100 - 240 V AC, 30 Watt

Idle power consumption: 15 Watt

Typical power consumption: 22 Watt

Dimensions including rack ears (WxHxD): 483 x 44 x 242 mm (19" x 1.73" x 9.5")

Dimensions without rack ears/handles (WxHxD): 436 x 44 x 235 mm (17.2" x 1.73" x 9.3")

Weight: 2.8 kg ( 6.2 lbs)

Temperature range: +5° up to +50° Celsius (41° F up to 122°F)

Relative humidity: < 75%, non condensing