



SPECS

Babyface Pro FS

ANALOG

AD: Microphone/Line 1 2

- > Input: XLR, electronically balanced
- > Input impedance balanced: 2 kOhm, 5.2 kOhm with PAD
- > Input impedance unbalanced: 1 kOhm, 2.6 kOhm with PAD
- > Signal to Noise ratio (SNR): 113,7 dB RMS unweighted, 117 dB A
- > Frequency response @ 44.1 kHz, -0.1 dB: 18 Hz – 20.8 kHz
- > Frequency response @ 96 kHz, -0.5 dB: 7 Hz – 45.8 kHz
- > Frequency response @ 192 kHz, -1 dB: 5 Hz – 88 kHz
- > With PAD active : -0.1 dB 8 Hz, -0.5 dB < 4 Hz, -1 dB < 3 Hz
- > THD: < -112 dB, < 0.00024 %
- > THD+N: < -108 dB, < 0.00035 %
- > THD @ 30 dB Gain: < -115 dB, < 0.00016 %
- > THD+N @ 30 dB Gain: < -100 dB, < 0.001 %
- > Channel separation: > 110 dB
- > Gain range: -11 dB up to +65 dB
- > Maximum input level XLR, Gain 0 dB: +8 dBu, PAD +19 dBu
- > Maximum input level XLR, Gain 65 dB: -57 dBu, PAD -46 dBu

AD, LINE/INSTRUMENT IN 3-4

As Microphone/Line 1-2, but:

- Input: 6.3 mm TS jack, unbalanced
- Input impedance: 1 MOhm
- Signal to Noise ratio (SNR): 116 dB RMS unweighted, 120 dB A
- Frequency response @ 44.1 kHz, -0.1 dB: 5 Hz – 20.8 kHz
- Frequency response @ 96 kHz, -0.5 dB: < 3 Hz – 45.8 kHz
- Frequency response @ 192 kHz, -1 dB: < 2 Hz – 92 kHz
- Maximum input level @+4 dBu, Gain 0 dB: +13 dBu
- Maximum input level @-10 dBV, Gain 9 dB: -5 dBu

DA, Line Out 1-2

- Dynamic range (DR): 115 dB RMS unweighted, 118 dBA
- Frequency response @ 44.1 kHz, -0.5 dB: 0 Hz – 20.8 kHz
- Frequency response @ 96 kHz, -0.5 dB: 0 Hz – 45 kHz
- Frequency response @ 192 kHz, -1 dB: 0 Hz – 89 kHz
- THD: -106 dB, 0.0005 %
- THD+N: -102 dB, 0.0008 %
- Channel separation: > 110 dB
- Output: XLR balanced
- Output impedance: 300 Ohm balanced, 150 Ohm unbalanced
- Output level @ 0 dBFS: Balanced +19 / +4 dBu, unbalanced +13 / -2 dBu
- DC @ 0 dBFS: 6.35mm 4.8 V, 3.5mm 2.4 V, XLR bal. 9.6 V

DA PHONES 3/4

AS DA Line Out but:

- > Output: 6.3 mm TRS jack, unbalanced
- > Output impedance: 10 Ohm
- > Output level at 0 dBFS, 1 kOhm load: +13 dBu
- > Max power @ 0.1% THD: 60 mW
- > Signal to Noise ratio (SNR): 114.8 dB RMS unweighted, 118 dBA
- > Noise level: -101.8 dBu
- > Output: 3.5 mm TRS jack, unbalanced
- > Output impedance: 0.1 Ohm
- > Output level at 0 dBFS, 1 kOhm load: +7 dBu
- > Max power @ 0.1% THD: 90 mW
- > Signal to Noise ratio (SNR): 114 dB RMS unweighted, 117 dBA
- > Noise level: -107 dBu

MIDI

- 1 x MIDI I/O via breakout cable with 2 x 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 25.3

DIGITAL

- Clocks: Internal, ADAT In, SPDIF In
- Jitter suppression of external clocks: > 50 dB (2.4 kHz)
- 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 AD/DA operation
- Supported sample rates: 28 kHz up to 200 kHz

DIGITAL INPUTS

DIGITAL INPUTS

- > 1 x TOSLINK
- > Standard: 8 channels 24 bit, up to 48 kHz
- > Double Speed (S/MUX): 4 channels 24 bit 96 kHz
- > Quad Speed (S/MUX4) : 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 (2.4 kHz)

6895

- > 1 x optical, according to IEC 60958
- > Accepts Consumer and Professional format
- > Lock Range: 27 kHz – 200 kHz
- > Jitter suppression: > 50 dB (2.4 kHz)

DIGITAL OUTPUTS

DIGITAL OUTPUT

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

CBDIE control

- 1 x optical, according to IEC 60958
- Format Consumer (SPDIF) according to IEC 60958
- Sample rate 28 kHz up to 200 kHz

GENERAL

- > Power supply: USB bus power or external power supply
- > Idle power consumption: 2.8 Watts
- > Typical power consumption: 3.7 Watts
- > Max. power consumption: 5.4 Watts
- > Current at 5 V bus power operation: 700 mA (3.7 Watts)
- > Current at 12 V external power: 313 mA (3.7 Watts)
- > Dimensions (WxHxD): 108 x 35 x 181 mm (4.25" x 1.4" x 7.1")
- > Weight: 680 g (1.5 lbs)
- > Temperature range: +5° up to +50° Celsius (41° F up to 122° F)
- > Relative humidity: < 75%, non condensing

[Back](#)