

Tech Specs

M2 Tech Hi-Face Evo Page 1

FEATURES

1) LOW JITTER, LOW PHASE NOISE, HIGH STABILITY OSCILLATORS

Most audio interfaces and USB-provided DACs refer the data stream clock to the same USB interface clock, that often suffers a very heavy jitter (short range oscillator frequency variations). Thanks to two quartz precision oscillators used on M2Tech Hi-Face, clock source for output data stream features a very low jitter. A more stable clock is recovered by DAC S/PDIF receiver; a low jitter produces a very limited sound image distortion and degradation. Phase noise (main responsible for jitter) is also very low: this guarantees short and long-range clock stability, also reinforced by a board supply voltage regulation (e.g. at environmental temperature stability is 2-5ppm approximately, compared to 50-100ppm performed by oscillators normally used on commercial CD players).

2) PROPRIETARY DRIVERS

The standard audio drivers available on the market (e.g. Microsoft Windows operating system) dictated constraints can be overcome thanks to Hi-Face proprietary drivers: they allow for transferring audio data, maintaining the original file quality without any loss of resolution quality; also, sampling frequency constraints are overcome, while Microsoft and ASIO drivers oblige to operate at no more than 96kHz. When Hi-Face is used together with a player application such as FooBar (available for free on Internet), you can transfer S/PDIF stream music files to a D/A converter at 192kHz/24bits maximum frequency/resolution, avoiding undesired PC or MAC audio mixer data processing during the data transfer from hard disk to interface. Presently, Windows XP, Vista, Windows 7 drivers are available, as well as Mac drivers for 10.4, 10.5 and 10.6.



Beauty of Sound
13 Country Lane
East Greenbush, NY 12061
518-852-9183



**Just Like Being There...
2 Channel Audio Experts**

www.beautyofsound.com
wdemarsjr@yahoo.com

Tech Specs

M2 Tech Hi-Face Evo Page 1

3) COMPACT SIZE AND EASE OF USE

M2Tech Hi-Face features a very compact size and can be directly (or using an accessory USB A-A adapter, not supplied with Hi-Face) connected to a High Speed USB 2.0 port of any computer. A very high electric and mechanical performance RCA gold connector provides an output signal, ready to be connected to a Hi-End system. No external power supply is required, as Hi-Face draws its power from USB bus itself and regulates it with its internal regulators. Hi-Face USB interface connected to a last generation mini PC provided with a High Speed USB port makes for a complete music transport system at very low prices (in the range of few hundreds Euros). Such system allows for listening any density and resolution music files, playing own CD's using a CD ROM drive, obtaining access to more than 10,000 web radio, many of which broadcast their transmissions with CD quality

SPECIFICATIONS

Size: 105x46x104mm (w x h x d, case) 105x50x142mm (w x h x d, total)

Weight: 380g

Sampling frequencies (kHz):
44.1, 48, 88.2, 96, 176.4, 192

Resolution (bits):

16 to 32

Inputs:

USB 2.0, supply, master clock

Outputs:

S/PDIF x2 (RCA & BNC)

AES/EBU (XLR)

optical Toslink™

optical ST

I2S (RJ-45). Supply voltage:

7-11VDC (15VDC max.)

Supply current:

140mA (idle, no output connected)

Master clock input voltage:

3.3VPP

I2S output voltage:

LVC MOS (3.3V) with 25mA current capability on each line



Beauty of Sound
13 Country Lane
East Greenbush, NY 12061
518-852-9183

**Just Like Being There...
2 Channel Audio Experts**

www.beautyofsound.com
wdemarsjr@yahoo.com