

# HiFACE

## HI-END S/PDIF OUTPUT INTERFACE

*Highest quality digital audio up to 192kHz/24bit  
S/PDIF audio format available from your PC or MAC  
Very low jitter oscillators and proprietary drivers  
Compact size (2x2.2x10.2cm) with hi-end performances*

**HiFace** USB interface has been conceived to obtain the highest quality digital audio signal using a PC or MAC.

**HiFace** input format is a data stream signal with sampling frequency/resolution up to 192kHz/24bits, available from a PC or MAC USB port. A very high quality S/PDIF stereo audio output signal is available from **hiFace** for your Hi-Fi system DAC (Digital to Analog Converter).

**HiFace** looks like a small USB pendrive, featuring a very compact size. Internal very low jitter oscillators and proprietary drivers allow for playing 192kHz/24bits audio files that feature the best signal quality.

### 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 **hiFace**, 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 a 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 **HiFace** 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 **hiFace** 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 and 7 Windows drivers are available.  
Soon available also Mac and Linux drivers.

### 3)COMPACT SIZE AND EASE OF USE

M2Tech **hiFace** features a very compact size and can be directly (or using an accessory USB A-A adapter, not supplied with **hiFace**) 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 **hiFace** draws its power from USB bus itself and regulates it with its internal regulators.

**HiFace** 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

<b>Connections</b>	
Input	1 x USB A type male
Output	1 x RCA female
<b>I/O Standard</b>	
Input	USB 2.0 Format
Output	S/PDIF Stereo Digital Audio Format
<b>Sampling Frequency</b>	44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz
<b>Resolution</b>	16 up to 24 bit
<b>Dimensions</b>	10.2(d) x 2.2(h) x 2(w) cm
<b>Power Supply</b>	5V DC from USB bus
<b>Temperature</b>	from 0°C to 70°C
<b>Peso</b>	50gr approx.