

white bream

D482 digital audio interface for USB



preliminary product specification

The D482 extends the audio capabilities of your computer with a digital input and output. This digital audio interface can be connected to any computer with an USB connection, such as most modern PC's, laptops and Macintosh iMac^{*)} G3 and G4. Two variants of the D482 are available, chosen can be from S/PDIF coaxial and S/PDIF optical (Toslink). The digital in- and output meet present and future requirements of demanding audio engineers by providing sample rates of up to 106 kHz and bit rates of up to 24 bits.

The interface is packaged in a compact aluminum case and requires no additional power supply since it draws the required energy from the universal serial bus.

A builtin sample rate converter is provided in order to offer really universal connection capabilities to various equipment such as variable pitch CD players, (multi-track) tape recorders and other digital audio devices.

Signals with various or even varying sample rates can be recorded at a fixed rate, or audio can be played back with an output rate synchronous to a reference input or a fixed frequency.

The route of the signal through the device can be configured with the device specific driver. When operating under control of an USB supporting operating system does the device operate in its default modes.

*) Macintosh and iMac are trademarks of Apple Computer, Inc.

D482 - digital audio interface for USB

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D482PRBR1

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Specifications:

Universal Serial Bus:

- Isochronous USB operation
- Compliant with USB version 2.0
- Full speed operation (12 Mbit/s)
- Compliant with USB audio specification 1.1
- Type B connector
- Bus powered device (500 mA)

Digital I/O:

- Compliant with IEC60958
- In- and output sample rate 16 – 106 kHz
- In- and output bit rate 16 – 24 bits
- Selectable reference clock of 32, 44.1, 48, 64, 88.2 or 96 kHz
- Playback rate determined by reference input signal, by reference clock or by source clock
- Recording rate determined by source clock or by the reference clock

Sample rate converter:

- Sample rate converter with capture range of 1:3 – 3:1 between input and output
- Tracking speed of up to 10% change per second

Drivers:

- ASIO 2 driver for Steinberg software ¹⁾
- EASI driver for Emagic software ²⁾
- Apple® Macintosh® driver for Mac® OS 8.5 / 9 / X ³⁾
- Supported by Microsoft® Windows™ 98 SE and Windows™ 2000 ⁴⁾, additional driver to support extended capabilities

Physical:

- Dimensions 72 x 57 x 23 mm

Retail versions are shipped with driver CD, manual, 2 meter long USB cable and one 1 meter long Toslink cable with the optical version and one 1 meter long 75 ohm coax cable with the coaxial version. Additional Toslink and coaxial cables are available. The optical package and cables also include a Toslink adapter for mini jack connectors (which are often used on portable minidisc players).

Retail prices: (preliminary)

D482 Coaxial € 125.-
D482 Optical € 125.-

Your white bream dealer: _____

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¹⁾ ASIO is a trademark of Steinberg Soft- und Hardware GmbH ²⁾ EASI is a development of Emagic ³⁾ Apple, Macintosh and Mac OS are trademarks of Apple Computer Inc. ⁴⁾ Microsoft and Windows are trademarks of Microsoft Inc.

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