TechDAS

USB192kHz + DSD!!

Precision Digital Interface
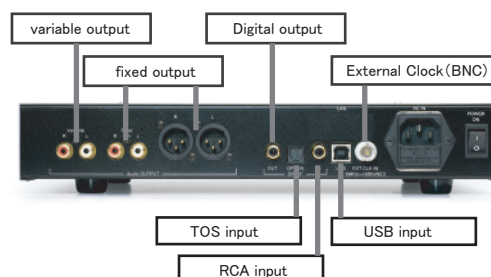**D-7i /192DSD**
D-7 /192DSD

TechDAS

About TechDAS

TechDAS is an own brand of Stella Inc. in Japan. All planning and development are managed by Stella Inc. for this brand. Generally, in the current audio products, good products that have quality making experienced music lovers satisfied with musical richness have become very expensive. On the other hand, as for audio products with lower price, they are very short on having sound quality and musicality needed to enjoy music as an art. The whole Stella team loves audio and music as you do. We started TechDAS brand to make products with price that is affordable for ourselves but can make us satisfied both in audio and music. All TechDAS products are made in Japan

DA converter with high performance, high functionality and high sound quality from TechDAS

The first release from TechDAS is DA converter with high performance, high functionality and high sound quality. Recently, new music sources called PC audio or network audio appeared and large number of DA converters supporting USB is produced. High sound quality sources that exceed traditional packaged media such as high-resolution source or data streaming through the web sound data have possibility and ability to become the major music source in the future. However, the market is full with products that are not making full use of high sound quality music source. The Stella team is concerned that this might lead the experienced audio/music lovers to misunderstand the possibility of new music sources. It is clear that sound quality would not be satisfying when the sound of the DA converter itself is bad even with high-resolution music sources. We aimed to develop a DA converter with performance, sound quality and musicality that will fully work as high-end audio in an affordable price for ourselves. We understand that the price is relatively higher than other DA converters supporting USB but we are confident that the sound quality and musicality that cannot be described in the specifications are competitive with imported products that cost twice as much.

TechDAS D-7i/192DSD , D-7/192DSD

USB 192kHz & DSD file support

■Supporting DSD files by DSD Over PCM (DoP)

The Wolfson WM8741, TechDAS D-7 series employed for D/A chip has an capability to process the DSD file in native.

The D-7i/192DSD and D-7/192DSD is supporting the DSD file through by the DSD Over PCM (DoP) Spec.

■Supporting USB 192kHz

Fully prepared for the coming of age of high resolution. USB input: Perfect construction to give sound quality top priority based on asynchronous transmission by XMOS made controller and dedicated software. Perfectly supports 176.4/192kHz, 24bit.

Supporting OS: WINDOWS XP (SP2 or later,) WINDOWS Vista, WINDOWS 7, Mac OS X 10.6 or later. WINDOWS OS needs to be installed with attached driver

■Digital input: Up to 192kHz for also TOS, RCA input

■Supporting iPod Digital Out

D-7i/192DSD, "i" model: Enables direct digital input from iPod by connecting the USB cable attached to iPod into the front USB-A terminal. This function allows you to use your iPod as a high-end audio player.

*The front USB-A terminal is also mounted on D-7/192DSD but not functional.

■High performance D/A converter

High grade DAC chip corresponding 192kHz made by the established Wolfson from England is used. All input terminals accept up to 192kHz/24bit for digital input. Ensures low jitter by mounting a dedicated clock in D/A.

■Powerful power supply

The key of the sound quality for audio products is the power. TechDAS designed a full-scale power supply ignoring costs. Adopts power circuit with large leeway by using two high capacity power transformers with one of them used as an independent power supply dedicated for analog circuit. Provides convincible music reproduction by solid sound structure with energy on each particles of the sound.

■External clock input terminal

External clock input terminal accepting 10MHz standard signal enabling higher-grade performance in connection with atom clocks or other clocks.

■Sampling rate converter

Sampling rate converter mounted to reduce jitter for all digital inputs. Integral multiple upsampling is selectable between x1, x2 and x4 by the switch on the front panel (up to x2 for 88.2kHz and 96kHz signals.)

Multifunctionality and expandability of TechDAS (common to all models)

■Balanced output (XLR) and single ended (RCA)

DAC output: Balanced output is equipped as standard in addition to single ended (RCA). Perfect for usage as high-end DA converter.

■Pre-output terminal (RCA)

Variable pre-output is included as standard equipment enabling usage as DAC pre. Volume carefully selected giving highest priority to sound quality enables to build a compact system with high sound quality by connecting with power amplifiers or speakers with built-in amplifiers.

■Digital output terminal (SPDIF)

Digital output terminal (SPDIF) on the back panel corresponds with sampling rate converter and can be used as an upsampling converter. It can also be used as DD converter that converts USB input to SPDIF

(Apple policy does not allow digital output for iPod input.)
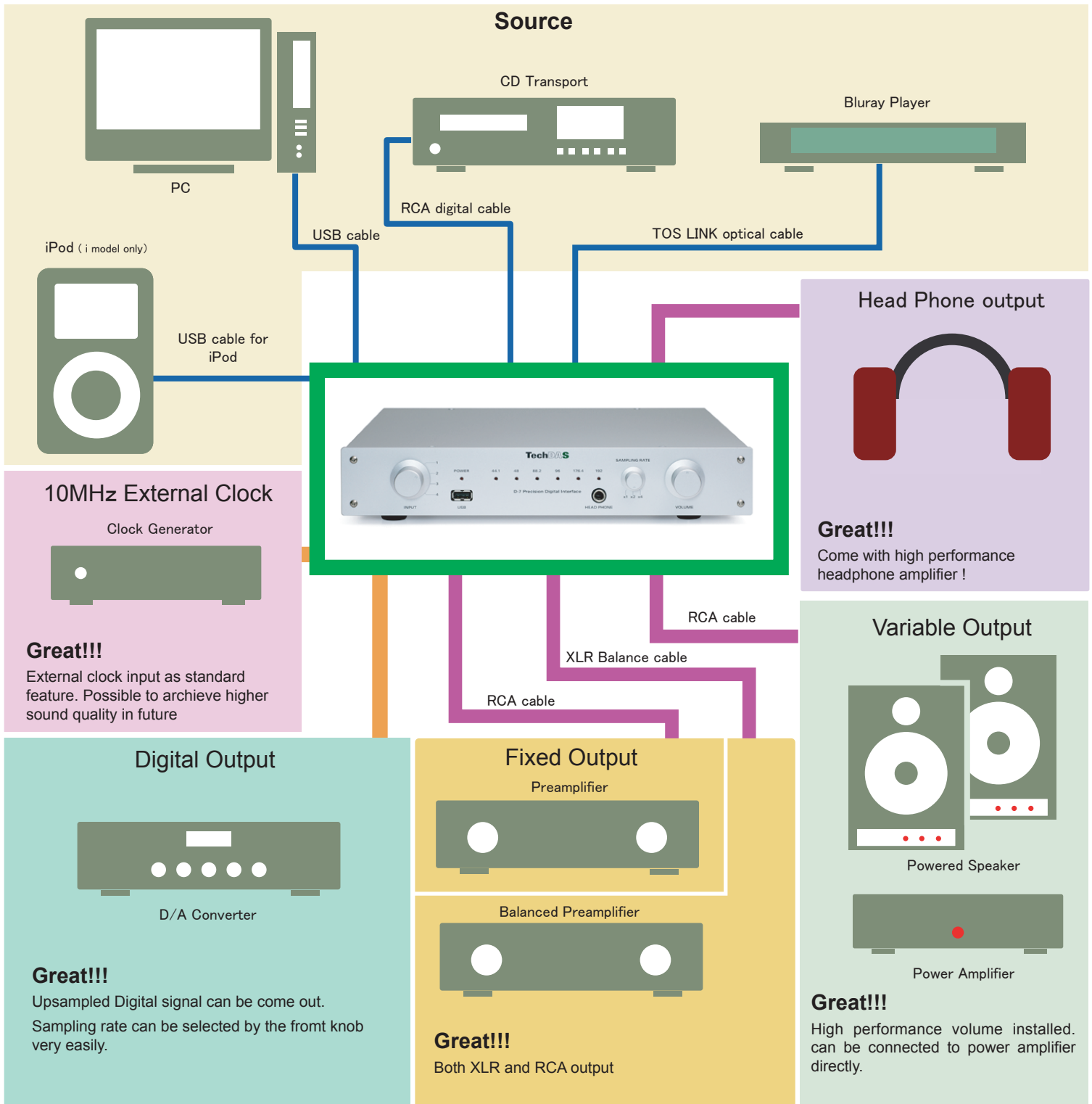
■High-grade headphone amplifier

Equipped with standard headphone jack. High-grade headphone amplifier based on dedicated board fully drives high impedance high-end audio headphones and provides excellent sound quality and S/N.

■Board structure with high expandability

Structure of internal board layout: Boards from each parts -digital part, analog part and USB interface part- are independent of each other. This will create the merit to prepare for future updates, as well as to take care of the sound quality by preventing mutual interference.

■Future expandability

Possible to add LAN terminal in the future. Also possible to support network audio with future update.

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Connection Chart

TechDAS D-7i/192DSD, D-7/192DSD are much functionable D/A with the excellent sound performance.

Source

PC

iPod（i model only）

CD Transport

Bluray Player

USB cable

RCA digital cable

TOS LINK optical cable

USB cable for iPod

Head Phone output

Great!!!
Come with high performance headphone amplifier !

10MHz External Clock

Clock Generator

Great!!!
External clock input as standard feature. Possible to archieve higher sound quality in future

TechDAS
POWER 44.1 48 88.2 96 176.4 192
INPUT USB D-7 Precision Digital Interface HEAD PHONE x1 x2 x4 VOLUME
SAMPLING RATE

RCA cable

XLR Balance cable

RCA cable

Variable Output

Powered Speaker

Power Amplifier

Great!!!
High performance volume installed. can be connected to power amplifier directly.

Digital Output

D/A Converter

Great!!!
Upsampled Digital signal can be come out.
Sampling rate can be selected by the fromt knob very easily.

Fixed Output

Preamplifier

Balanced Preamplifier

Great!!!
Both XLR and RCA output

Specifications

【Front Panel】
■iPod digital input（USB–A）x 1（available at "i" model）
■Headphone x 1 （standard jack）
【Rear Panel】

■Digital input	RCA x 1	（192kHz/24bit）
	TOSLINK x 1	（192kHz/24bit）
■USB digital input	USB–B x1	（192kHz/24bit , DSD (DoP)）

■Digital output	RCA x 1 （192kHz/24bit）
■Analogue output	fixed RCA x 1、XLR x 1
	variable RCA x 1
■External clock input	BNC x 1（10MHz 50Ω）
■Power consumption	20W（AC100V 50/60Hz）
■Operation Voltage	100〜120 V or 220〜240 V
■Dimension/Weight	300mm(W) x 58mm(H) x 305mm(D)・2.5kg

Designed and manufactured by TechDAS
TechDAS is a genuine highend audio products produced by Stella Inc.
All TechDAS products are Made In Japan.

Stella Inc.