

The art of CD playback. Perfected by Weiss.



JASON - The CD Transport from Weiss

CD playback with unprecedented precision and quality

General

Designed by our top engineers with aspirations to provide only excellence, the JASON CD Transport perfectly supplements our renowned MEDEA D/A Converter. Swiss made high quality mechanics, special algorithms for upsampling and jitter reduction; just some of the features that make the JASON the CD Transport of choice not only in conjunction with our MEDEA but with all types of D/A Converters or Digital Amplifiers.

Mechanics

The JASON uses a high-quality top-loader transport system. A heavy-duty motor driven lid protects the CD and also safely puts the puck onto the CD upon closure. (The motor is of the same Swiss brand as NASA is using for their Mars mobiles!) The individually built chassis is of the same quality as the Medea chassis, a dual layer design with a inner chassis made of steel and an aluminium outer

Upsampling

The JASON contains an upsampler feature which allows the basic 44.1kHz / 16Bit data stream coming from the CD to be upsampled to 88.2kHz or 176.4 kHz for subsequent D/A conversion. We use our own state of the art algorithms for the upsampling as used by many of our professional studio customers.

Wordlength Reduction

Since the upsampling process has the effect of generating a wordlength longer than 16 Bits, in the JASON a 40 Bit Floating Point format is generated. This is then reduced in its wordlength to fit the standard AES/EBU or S/PDIF formats. This wordlength reduction uses the POW-R # 3 algorithm, which is one of the best wordlength reduction schemes widely used in Pro Audio equipment. The output wordlength can be selected between 16, 20 and 24 Bits, which allows connection of a wide variety of D/A converters to the JASON.

Jitter Processing

The JASON uses a special method to treat the output signal so that jitter generated in subsequent cables or D/A Converters does not have much influence on the audio quality. This allows D/A Converters with non-ideal jitter performance to be used with greatly enhanced sound.

Remote Control

The remote control (shown on the right) has the standard transport controls including a 10 key numerical keypad. In addition there are buttons for various kinds of time displays, sampling rate selection, output wordlength selection, absolute phase switching, volume control, display dimming, overall mute control and last but not least a button for switching the "DAC enhancement" (via the jitter processing as mentioned above).



Outputs

The digital outputs come in a variety of formats and sampling rates to cover all requirements on the D/A Converter side:

Output	Connector type	Format	Available sampling rate(s)	Available wordlengths
1	(2) XLR	AES/EBU dual wire	88.2 / 176.4 *)	16 / 20 / 24 bits
2	XLR	AES/EBU single wire	44.1 / 88.2 / 176.4	16 / 20 / 24 bits
3	BNC	AES/EBU single wire	44.1 / 88.2 / 176.4	16 / 20 / 24 bits
4	RCA	AES/EBU single wire	44.1 / 88.2 / 176.4	16 / 20 / 24 bits
5	ST optical	AES/EBU single wire	44.1 / 88.2 / 176.4	16 / 20 / 24 bits
6	RCA	S/PDIF single wire	44.1 **)	16 bits
7	Toslink	S/PDIF single wire	44.1 **)	16 bits

*) This output is muted at the 44.1 sampling rate **) This is fixed at 44.1, independent of the sampling rate setting

Weiss Engineering is a Swiss company well known for its top quality Professional Audio products since 1985. The wealth of experience we have gained in years of designing products for Mastering Engineers has been applied to produce exceptional High-End HiFi products. Our mission is to produce equipment that becomes classic right from the outset: outstanding in sonics and design.

visit our website at www.weiss-highend.com



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