

Channel Islands Audio VDA•2

Digital to Analog Converter



Sonic purity, quality craftsmanship, and reliability.

VDA•2 takes Digital to Analog audio conversion to a new level. Traditional DAC designs use brick-wall digital filters, usually followed by more analog filtering to reduce sampling noise, but cause signal degradation in the process. Another approach has been to use no filtering at all, but this adds noise to the analog signal. Both of these designs have their strengths and weaknesses, but neither tends to be a good trade-off. Our design uses only a mild "slow roll-off" digital filter and first order analog filter to tame the sampling noise. This architecture has reduced filtering artifacts compared to brick-wall types, and lower sampling noise than filterless types, resulting in a more "analog" sound.

Digital input signals are accepted by Toslink optical or coaxial SPDIF, then fed to the CS8416 24 bit/192k low jitter input receiver, then to the Burr Brown PCM1794 balanced/current output DAC. Our unique output stage is a fully discrete/zero feedback design and uses only a single transistor per output to insure the purity of the audio signal. Circuit board is high quality 2 oz. copper with lead-free silver solder construction.

Input selection and digital domain phase are selected by convenient front panel switches, and an LED indicates "LOCK" when a valid signal is being received. The output arrangement allows for 2 pair of single-ended connections or a single pair of balanced outputs (with optional VRX•1 cable pair). An external 14v AC power supply is included.



SPECIFICATIONS:

Inputs:	Toslink Optical, Coaxial SPDIF
Locking Frequencies:	44.1k-192k (Coaxial), 44.1k-96k (Toslink)
Frequency Response:	20Hz-20kHz +/- 0.1db
THD:	<.03% 20Hz-20kHz
Output Level:	2.25vRMS (Single-ended), 4.5vRMS (Balanced)
Dimensions:	4.40"w x 2.65"h x 4.40"d
Warranty:	1 Year Parts & Labor

UPGRADES & ACCESSORIES

The **VAC•1** is the perfect upgrade for our source components. The upgrade yields improved bass definition, dynamics, and noise performance. Available in 120v and 240v input voltage (selectable by solder-in jumpers). IEC type AC socket for use with aftermarket power cords. AC input and output cables included.



SPECIFICATIONS:

AC Input Voltage: 120/240VAC
Output Voltage: 14VAC @ 1.44 Amps
Accessories: IEC Type AC Cable, AC output Cable
Dimensions: 4.40"w x 2.65"h x 4.40"d
Warranty: 1 Year Parts & Labor

Add our **VRX•1** Cable Set for true balanced outputs from VDA•2. Available in 1 meter pairs, other lengths can be special ordered.

