

series 5

521 Decoding Computer



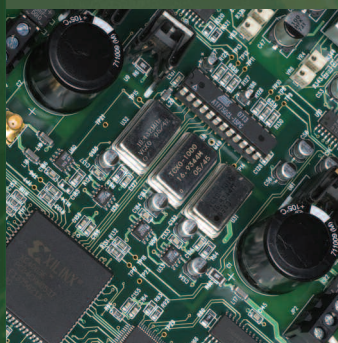
At Wadia we believe there is musical magic encoded in the numbers on your discs and hard drives. We strive to unravel every bit of information, thus communicating the messages of your favorite artists more clearly and vividly. We have spent years compiling an array of ideas and techniques to make our products extract, decode, and reconstruct the subtle details of music. The Wadia 521 Decoding Computer introduces an enhanced main decoding circuit design featuring DigiMaster™ 2.5 Upsampling software, 24-bit Burr-Brown 1704 DACs, Wadia SwiftCurrent™ 2 Discrete (SC-2D), and DirectConnect™ with Digital Volume Control. The Wadia 521 Decoding Computer will unveil the richness and magic that makes music an essential form of human communication.



Wadia



D I G I T A L I N T U I T I O N



Digital Muscle

The 521 Decoding Computer utilizes two signal processors feeding a programmable gate array to form a formidable processing engine. Coupled with our patented DigiMaster 2.5 upsampling software, the 521 generates a data rate of 1.4112 million samples per second at 24 bits of resolution. DigiMaster allows us to generate this amazing amount of data with accuracy in the frequency and particularly in the time domain. A discreet implementation of our SwiftCurrent technology (SC-2D) was invented to exploit the extraordinary data rate generated in the digital section. Current exiting the converters is mirrored and driven with a zero global feed back Class A throughput stage. Signals remain time and phase coherent throughout the entire system. Why is this important? When accuracy in the time domain is achieved the resulting 3-dimensional sonic image leaves you with the uncanny sensation of being there.

Direct Drive

The 521 Decoding Computer takes full advantage of the latest version of Wadia's Digital Volume Control and Direct-Connect technology. Simply connect your 521 directly to your power amplifier, bypassing the losses inherent in any preamplifier, select your source from one of your six digital inputs, adjust the volume to taste, and enjoy. When the drive is right the soundstage ignites.

Future Now

Connect your personal computer, media server, multiple format disc transport, digital tuner... the 521 is ready for today's digital world. Should a new format come along, Wadia components are designed to readily accommodate future technology. Modular architecture featuring software-updateable circuitry, and a changeable rear panel insert, allow for input or output hardware to be added should it be required. When new technology arrives, Wadia 521 owners will be prepared.

The Wadia 521 Decoding Computer will *change the way you listen to music!*

Technical Specifications

Digital Processing:
24-bit

DAC Sample Rate:
1.4112MHz

Digital Inputs:
2 Glass Fiber Optic (ST)
2 SPDIF (BNC)
1 Plastic Fiber Optic (TOSLINK)
1 AES/EBU (XLR)
All inputs accept and decode standard digital audio formats, from 32kHz to 96kHz, and from 16-24 bits

Analog Outputs:
1 pr. balanced (XLR)
1 pr. unbalanced (RCA)
Both sets may be used simultaneously

Digital Volume Control Range:
50dB in one-hundred 0.5dB steps

Maximum Output Voltage:
Can be adjusted via internal switches from 0.25V and 4.2V to match system sensitivity

Output Impedance:
51 ohms

Power Consumption:
30 watts

Dimensions (HxWxD):
Inches: 4.125 x 17 x 16
Centimeters: 10.5 x 43.2 x 40.5

Finish Options:
Black or Silver Anodized Aluminum

Weight:
32 lbs. (14.6kg)

Wadia

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