

Antelope Discrete 4 Pro Synergy Core - zvučna kartica

Šifra: 16847

Kategorija proizvoda: Zvučne kartice

Proizvođač: Antelope Audio

Cena: 945,00 EUR

Each of the four Antelope Discrete mic preamps has its own phantom power and up to 65 dB of gain, so the interface is primed and ready for recording all sorts of microphones, instruments, or even line-level signals from outboard gear. Equipped with four independently adjustable headphone outputs, balanced monitor outs, and four DC-coupled line outputs, the Discrete 4 Pro Synergy Core can act as your studio's hub for multiple sets of headphones, mixes, monitor feeds, and more. Its ADAT and S/PDIF digital I/O ports are perfect for expanding your setup with digital gear such as external converters, and the wordclock outputs ensure professional synchronization with other interfaces and clocks.

Updates to the Pro Model

Compared to the Discrete 4 Synergy Core, the Discrete 4 Pro Synergy Core delivers improved performance with greater dynamic range, less total harmonic distortion and noise, and quadruple the available channel strips for effects processing. Also, it replaces Thunderbolt 2 connectivity with Thunderbolt 3 (in addition to USB 2.0) and offers adaptive on-screen metering plus extended routing capabilities.

High-Fidelity Conversion and Clocking

The Discrete 4 Pro has been upgraded with studio-ready 192 kHz converters (up to 130 dB of headroom) and Antelope Audio's proprietary 64-bit AFC clocking. With the interface in your rack, you can experience a new level of detail in your recordings, and enjoy a wider soundstage for an exceptional stereo image in audio playback.

Transparent Preamps

Antelope Audio's discrete preamp topology is a descendant of the great console preamps of the time. Designed using a combination of transistors, the Discrete 6-transistor preamps result in high gain (up to 65 dB), minimal noise, and precise sound capture for pristine, transparent recordings.

Extensive Connectivity

The Discrete 4 Pro Synergy Core offers impressive analog and digital I/O in a compact, half-rack enclosure. Four mic/line inputs, two instrument inputs, four DC-coupled line outputs, a pair of monitor outputs, four headphone outputs, plus 8-channel ADAT and stereo S/PDIF I/O are at your disposal. For your computer connection, you have USB 2.0 and Thunderbolt 3 ports. All I/O is available at any time and can be used simultaneously without the need to change setups, making it easy to work on multiple sessions.

Tools for Guitarists

Plug in your guitar directly to one of the two Hi-Z enabled inputs, and instantly sculpt your tone with guitar amps and cabinet models. Add compression, EQ, and AuraVerb while playing through your preferred amp, cabinet, and microphone combination.

Word Clock for Pro Sync

Two wordclock outputs let you distribute the interface's highly stable clock signal across your studio.

Versatile Control Panel

A virtual routing patch bay on the Discrete 4 Pro Synergy Core streamlines the routing process and even adds creative possibilities. Apart from the intuitive routing, the software control panel allows you to create presets, quickly configure mixes with four fully independent 32-channel virtual mixers, and more. With the enhanced processing, you can add effects on every input source.

Pushing the FX Further

The 37 effects included with Discrete 4 Pro are modeled after iconic studio equipment and can be applied in real time during monitoring, postproduction, and live recording. Aside from the exclusive compressors, EQs, and preamps, the interface comes with 22 guitar amps and cabs, a guitar tuner, and a signature reverb that are processed with near-zero latency entirely inside the interface, putting zero load on your host CPU.

The onboard Synergy Core contains the processing power of a complex multitrack setup, which enables you to load effects on up to 16 channel strips (quadruple the available channel strips compared to the original Discrete 4 Synergy Core). At any time, you can expand your effects collection by purchasing more classic go-to units, true rarities never before recreated in digital form, and 3rd party effects like Antares Auto-Tune Synergy.

Session Recall

For every individual recording scenario, you can save session files and create exact snapshots of your effect chains, so you can load them later without losing your progress.

Ready for Mic Modeling

The interface's Modeling Engine is ready to be paired with the Edge line of microphones (available separately) for real-time use of vintage microphone emulations.

Workflow-Enhancing Features

Direct hardware monitoring with Synergy Core effects, processed in real time with imperceptible latency

Expanded routing capabilities—switch audio sources per channel based on a drop-down menu sequence or make use of a virtual routing matrix

Customizable presets complete with signal routing, level adjustments, mixer settings, and submixes

Four independent mixers for the monitor and headphone outputs with adjustable levels, panning, stereo link, and real-time effects

Supports standalone operation

Wireless control of software features from a separate computer connected to the same network

37 Real-Time Effects

The collection of 37 Synergy Core effects is powered by the Synergy Core proprietary onboard platform, which uses two DSP chips and one FPGA chip for real-time effects processing with imperceptible latency.

BA-31: Germanium mic preamp

Gyraf Gyratec IX: Dual tube mic preamp with high-pass filter

Clear Q: Parametric EQ

VEQ-1A: 2-band tube EQ

VMEQ-5: 3-band tube midrange EQ

VEQ-HLF: Tube 2-band high- and low-pass filters

VCA160: VCA compressor/limiter

Stay-Levin: Vari-Mu tube compressor

FET-A76: FET compressor/limiting amplifier

X903: VCA compressor/limiter

PowerFFC: Feed-forward compressor

Power Gate: Noise gate

Power EX: Expander

Auraverb: Reverb

A-Tuner: Guitar tuner

Plexi 59 (UK): Tube guitar amp

Bass SuperTube VR: Tube guitar amp

Darkface 65 (US): Tube guitar amp

Top30 (UK) Bright: Tube guitar amp

Tweed Deluxe (US): Tube guitar amp

Overange 120 (UK): Tube guitar amp

BurnSphere (DE) Lead: Tube guitar amp

Marcus II (US) Lead: Tube guitar amp

Modern (US) CH3: Tube guitar amp

Rock 75 (UK): Tube guitar amp

Rock 22.10 (UK): Tube guitar amp

Darkface 65 2x12: Guitar cabinet

Top30 2x12: Guitar cabinet

Modern 4x12: Guitar cabinet

Green 2x12: Guitar cabinet

Vintage 4x12: Guitar cabinet

Green 4x12: Guitar cabinet

Caliper 50 1x10: Guitar cabinet
Bluelux 1x12: Guitar cabinet
Clst 1x12: Guitar cabinet
England 4x12: Guitar cabinet
Bass Tube 1x15: Guitar cabinet

Antelope Discrete 4 Pro Synergy Core Specs

Form Factor Rackmount

Display 1 x Color

Channels of I/O Analog:

4 Inputs / 10 Outputs

Digital:

10 Inputs / 10 Outputs

Maximum Sampling Rate 192 kHz / 24-Bit

Number of Microphone Preamps 4 Preamps

Built-In Microphone None

Input Level Adjustment 1 x Knob

Expansion Slots None

Signal Processing

Pad None

Gain/Trim Range Mic Inputs:

Up to +65 dB

High-Pass Filter None

Connectivity

Analog Audio I/O 2 x Combo XLR-1/4" TRS Balanced/Unbalanced Mic/Line/Hi-Z Input (Front Panel)

2 x Combo XLR-1/4" TRS Balanced Mic/Line Input

4 x 1/4" TRS Unbalanced Headphone Output (Front Panel)

4 x 1/4" TRS Balanced Line Output (DC-Coupled)

2 x 1/4" TRS Balanced Monitor Output

Phantom Power 48 V, Selectable On/Off (Selectable on Individual Inputs)

Digital Audio I/O 1 x TOSLINK Optical ADAT Input (S/MUX Support)

1 x TOSLINK Optical ADAT Output (S/MUX Support)

1 x RCA Coaxial S/PDIF Input

1 x RCA Coaxial S/PDIF Output

Host Connection / USB 1 x USB Type-C

1 x USB Type-B

Host Connection Protocol Thunderbolt 3

USB 2.0

USB (Non-Host) None

Sync I/O 2 x BNC Word Clock Output

Network I/O None

MIDI I/O None

Wireless Connectivity None

Performance

Maximum Input Level Mic Inputs:

+18 dBu

Maximum Output Level Line/Monitor Outputs:

+20 dBu

Dynamic Range Mic Inputs:

122 dB (A-Weighted)

A/D Converters:

122 dB

Line Outputs:

121 dB

Monitor Outputs:

130 dB

THD Mic Inputs:

-116 dB

THD+N A/D Converters:

-116 dB

Line Outputs:

-100 dB

Monitor Outputs:

-115 dB

EIN Mic Inputs:

-128 dBu A-Weighted

Digital Audio

Sample Rates 44.1 / 48 / 88.2 / 96 / 176.4 / 192 kHz

Sample Rate Conversion None

Bit Depths 24-Bit (AD/DA Conversion)

64-Bit (Clocking)

Sync Sources ADAT, Internal, S/PDIF

Clocking Word Clock:

Input Termination: 75 Ohms

Input Voltage: 3 V p-p

Output Voltage: 3 V p-p

Lock Range: 32 to 192 kHz

Audio Storage & Playback

Memory Card Slot None

Compatibility

OS Compatibility macOS

Windows

*As of April, 2022: Check with manufacturer for the most up-to-date compatibility

Included Software None

Compatible Software (Not Included) Any Core Audio (Mac) Compliant Software

Included Plug-Ins Preamp & Channel Strip:

BA-31

Gyraf Gyratec IX

Equalization:

Clear Q

VEQ-1A

VEQ-HLF

VMEQ-5

Dynamics:

FET-A76

PowerFFC

Power EX

Power Gate

Stay-Levin

VCA160

X903

Reverb & Room:

Auraverb

Tuning:

A-Tuner

Guitar & Bass:

Bass SuperTube VR

Bass Tube 1x15

Bluelux 1x12

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England 4x12

Green 2x12

Green 4x12

Marcus II (US) Lead

Modern 4x12

Modern (US) CH3

Overange 120 (UK)

Plexi 59 (UK)

Rock 22.10 (UK)

Rock 75 (UK)

Top30 2x12

Top30 (UK) Bright

Tweed Deluxe (US)

Vintage 4x12

Supported Drivers/API & Plug-Ins Proprietary

Mobile Device Compatibility None

Required Hardware Available Thunderbolt 3 Port or USB 2.0 Port

Internet Connection Required for Registration, Software/Driver Download, Plug-In Authorization

Power

Power Requirements AC/DC Power Adapter (Included)

AC/DC Power Adapter 18 V, Center-Positive (Included)

Power Consumption 15 W

Physical

Anti-Theft Features Kensington Security Slot

Operating Temperature 32 to 122°F / 0 to 50°C

Dimensions 10.3 x 8.2 x 1.7" / 26.1 x 20.8 x 4.4 cm

Weight 3.7 lb / 1.7 kg

Packaging Info

Package Weight 5.71 lb