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Antelope Discrete 4 Pro Synergy Core - zvučna kartica

Šifra: 16847
Kategorija prozivoda: Zvučne kartice
Proizvođač: Antelope Audio

Cena: 1.088,00 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 multirack 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
BurnSphere (DE) Lead
Clst 1x12
Caliper 50 1x10
Darkface 65 2x12
Darkface 65 (US)
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

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