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ISA Range

ISA 220 - Session Pack Channel Strip

2499.00



The ISA 220 Session Pack provides all the audio precision tools required to infuse your session with Focusrite's renowned sonic performance. It features many of the original circuits of the flagship ISA 430 MKII Producer Pack, and also includes some new facilities of its own. It also features the same digital output option as the original ISA 430, providing you with a high quality digital route direct from the ISA 220 into your digital recording system.

• **Classic Focusrite transformer-based Mic pre** • **New Focusrite EQ featuring elements of the original ISA 110 EQ circuit** • **Hi and Lo pass filters** • **Precision VU metering of input level or compressor gain reduction (switched)** • **Proprietary Focusrite discrete Class A VCA Compressor design for better distortion and noise figures** • **Order of compressor and EQ modules in the signal path can be switched from front panel** • **Blend feature allows uncompressed dynamics to be merged with compressed signal path** • **De-esser design based on optical technology for lower distortion and transparency** • **De-esser listen for independent monitoring of isolated sibilant signals** • **Frequency-adaptive limiter to prevent critical digital overloads** • **Optional Stereo A/D – 24 bit 96 KHz Delta Sigma at 128KHz over-sampling – Dithers to 20 or 16 bit.**

The ISA 220's input stage features a precise VU meter • Situated above the VU meter is a 32 LED digital meter for monitoring both the 'internal' input and the rear panel 'external' input • Mic, Line and Instrument inputs allow interfacing to any input device, and are all transformer-based, the cornerstone of the focusrite signature sound • The Mic Pre is the classic Focusrite transformer-based design as featured in the ISA 110 with illuminated switches for phantom power and phase reverse, all immediately available on the front fascia • An instrument jack is provided on the front panel for quick 'plug and play' access • The EQ featured on the ISA 220 is similar to the ISA 430 MK II except that the Shelving EQ features four frequency selections rather than six or eight • The optional A/D card can be purchased with the unit, or retrofitted at a later date. At the heart of the A/D card is a high quality 24bit 96KHz Delta Sigma converter running at 128KHz over-sampling for maximum conversion performance • The ISA 220's optional A/D is stereo. Thus, with the Stereo A/D card installed, the ISA 220 can be used as a high quality mono/stereo tracking converter, or at mix down as a stereo converter channel for routing complete mixes to digital media. Two ISA 220 Session Packs can take full advantage of the one A/D converter, with one ISA 220 acting as the master and the other as the slave.

96KHZ A/D SPECIFICATIONS: AES/EBU XLR; S/PDIF RCA Phono; ADAT Lightpipe Optical • Bit depths 16, 20 or 24 bit • Frequency options 44.1, 48, 88.2 & 96kHz • Clock options Standard or '256 x' (Super Clock) SNR 113dB A weighted @ 24bit • 0dBfs +22dBu • Dithering Adaptive.

ISA 220 A/D Card

699.00

Easy to fit by customer. AES, S/PDIF and 2 channel toslink (on optical connector) formats, 16, 20, 24 bit, 44.1, 48, 88.2, 96kHz, locks to both external Wordclock OR Digidesign Superlock direct. Also fits ISA430 (discontinued model).



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TEC AWARD WINNER

ISA 430 Mk II - Producer Pack Premium Channel Strip

3499.00



The ISA 430 MKII represents the pinnacle of Focusrite's analogue channel strip technology, bringing together all the classic designs in one comprehensive production tool. Augmented with additional features and flavours, alongside unmatched internal routing and connectivity, the ISA 430 MKII enables today's recording professional to enjoy the unique sonic contribution of these heritage designs within one extremely versatile processor. Focusrite's iconic status as the leading manufacturer of channel strips remains unrivalled.

• **Classic Focusrite transformer-based Mic-pre with variable impedance and 'Air' feature** • **Multi format Compressor; switch between Focusrite's transparent VCA circuit and a vintage optical circuit** • **Unmatched flexibility, incredible variety of insert points, variable signal paths** • **Can function as 4 separate modular processors** • **Precision VU metering of input level, Insert 1 or 2 Return level, Compressor gain reduction or Sidechain listen level (switched)** • **Classic Focusrite EQ design; an expanded version of the original ISA 110** • **Post mic pre output for the shortest possible signal path** • **Proprietary Focusrite discrete Class A VCA Gate and Expander designs** • **'Listen' feature for precise control over compression, gating, expansion and de-essing** • **De-esser design based on optical technology for lower distortion and transparency** • **Soft Limiter** • **Optional Stereo A/D – 24-bit 192 kHz Delta Sigma converter.**

The input section on the ISA 430 MKII features a large, professional-grade VU Meter with adjustable calibration. Additional visual monitoring is available through the inclusion of two LED bar graph meters. As with the ISA 428, the ISA 430 MKII has a variable impedance option on its classic transformer-based Mic-pre, ranging from 600 to 6800Ω (at 1kHz). This provides the engineer with increased control over the interaction between microphone and preamp, tailoring the response to suit his or her needs. Pressing the 'Air' switch further extends this principle, introducing an inductor circuit into the secondary of the transformer, which adds clarity and 'spaciousness' to the signal without the need for EQ. The split configurable Inserts and changeable signal path order combine to produce an unrivalled flexibility; herein lies the real benefit of the ISA 430 MKII as a 'do-all' processor for the most demanding of engineers. Both Inserts can be used to separate the individual sections of the channel strip. This means that if the postmic output and ADC inputs are in use, the ISA 430MKII can function as four discrete processors simultaneously! A significant development from the original ISA 430 can be found in the Compressor section, which now boasts a vintage opto circuit in addition to the original discrete Class A VCA design. Selecting the optical Compressor or Limiter results in a more coloured sound, as opposed to the extremely transparent VCA circuit. The ISA 430 MKII features the same classic Focusrite EQ as the original ISA 110, but with two extra frequency values for both the high and low shelving, and with the added benefit of being able to insert the EQ into the sidechain of the Compressor and Gate sections. This allows for fully frequency-conscious compression, gating and expansion, making the ISA 430 MKII the most powerful dynamics processor yet developed. All four dynamic processors; the compressor, gate, expander and de-esser, feature Focusrite's unique 'Listen' feature. Selecting 'Listen', inverts the operation of the processor, so only the chosen frequencies that are being affected can be heard, rather than straining to hear the overall effect in a complex signal. The sensitively designed soft Limiter, also present in the ISA 428, can be made to act on both the analogue output and the inputs to the optional ADC. The gradual changes in ratio leading up to 0dBFS produce a gentler limiting effect whilst still preventing a level overload. The optional stereo A/D card provides the ISA 430 MKII with 24-bit 192kHz capabilities and employs the same converters as those featured in the TEC award nominated ISA 428.

ISA430 mkII ADC

560.00

Two-channel card • Works with ISA One and ISA 430mkII. Easy to fit by customer. ADAT and AES and S/PDIF formats, 16, 20 and 24 bit, 44.1, 48, 88.2, 96, 192kHz, locks to both external Wordclock OR Digidesign Superclock direct. AKA "ISA 2-channel ADC".



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ISA 428 - Pre Pack 4-Channel Mic Preamplifier

2499.00



Think of the ISA 428 "Pre Pack" as a new 'Old Master'; a unique blend of classic vintage analogue mic pre's with state-of-the-art 192kHz digital technology means that it's now possible to record using the best of past, present and future audio designs.

• **Four classic designed transformer-based pre amps** • **Eight line inputs** • **4 Front Panel Instrument Inputs** – no separate DI box required • **8 Channels of optional cutting-edge 192kHz A/D conversion** • **Custom global ADC soft limiter** • **Switchable impedance for unparalleled mic matching or extended microphone creativity (Includes 'Vintage ISA110' setting for the original Focusrite settings.)** • **Analogue insert points on every channel** • **Focusrite vintage variable High Pass Filters on every channel** • **New moving coil peak meters and full 8 channel metering.**

Four classic transformer-based mic pre amps with switchable impedance and direct instrument inputs form the heart of this unit. These, alongside a custom 'Soft Clip Limiter' circuit and an optional eight channel 192kHz ADC, provide the perfect path into any Digital Audio Workstation. The ISA428 also functions as the perfect input expander for mixing consoles, featuring the four microphone pre amps, four instrument inputs, and 8 line inputs. Any combination of 8 of these inputs can be routed discretely to the 8-channel ADC option. The ISA428 is also ideal for more traditional stand-alone pre amp roles in broadcast, post-production, live sound and installations. The original design transformer-based pre amps featured in the ISA428 Pre Pack are the very same originals to be found in the Focusrite consoles and classic early ISA110's. This pre-amp design is the cornerstone of Focusrite's signature 'warm-yet-transparent' sound and is a standard point of reference for many of the industry's most discerning audio professionals. The input stage now also provides enhanced control and creativity, by allowing the user to switch between four carefully selected input impedance settings. Focusrite's new Soft Limiter is a custom optical design, which both protects the ADC by preventing 'digital overload', and also eliminates the unpleasant distortion that standard limiter circuits often generate. A brand new optional 8 channel, 24 bit 192kHz ADC embodies cutting-edge conversion technology, encompassed within pristine Focusrite circuitry, providing eight channels of the highest quality conversion at frequency rates of up to 192kHz. Digital output formats include 8 channel single/dual wire AES/EBU, 8 channel SPDIF and single/dual port 8-channel ADAT lightpipe, all available on a single ADC card. Two ISA428's can be used with a single ADC

Analogue Input and Output connectors (balanced): Inst inputs 1/4 inch Jack (unbalanced), Mic inputs XLR (balanced), Line TRS Jack (balanced); Insert Sends and Returns TRS Jack (balanced), Additional ADC inputs XLR (balanced); Analogue Outputs 4 x XLR (balanced) • **192KHZ A/D SPECIFICATIONS:** AES/EBU and S/PDIF Dual 9 pin D-types – 8 channel; ADAT Lightpipe (max .96kHz) Optical – 8channel, Bit depths 16, 20 or 24 bit, Frequency options 44.1, 48, 88.2, 96, 176.4 & 192kHz; Clock options Standard or '256 x'; SNR 120dB A weighted; 0dBfs +22dBu; Dithering Adaptive.

ISA 8 Channel A/D Card

999.00

8 channel, 44.1kHz-192kHz specification, easy to fit by customer. Features 8 channels each of AES, S/PDIF, ADAT optical. Can be fed by a single ISA428 (4 pre's + 4 line/instrument input, or any combination, or 2 x ISA428 (for 8 pre's to 8 channels of A/D- 2 x 428 + 1 x A/D option.) • Works with ISA428 and ISA828.



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ISA828 - Classic Eight-Channel ISA Series Pre-Amplifier

3749.00



Combining the best of yesterday with the best of tomorrow, Focusrite's ISA828 eight channel pre-amplifier features the same classic microphone pre-amplifier design as Focusrite's critically acclaimed Forte console. To partner seamlessly with Pro Tools HD and other professional DAW platforms, an eight-channel A/D converter option is available, outperforming every other A/D converter on the market. Modern DAW connectivity is assured thanks to convenient 25-pin D-type connectors. This combination of features ensures that, the ISA828 sets a new standard for professional multi-channel preamplification and A/D conversion.

Eight original ISA series transformer-based pre amps – In a single robust 2U chassis, offering the classic Focusrite pre at its lowest cost-per-channel to date • New Optional Eight Channel 192kHz ADC - Embodies cutting-edge conversion technology, incorporating Focusrite analogue circuitry to deliver the best A/D performance on the market, bar none (-122dB A-weighted and jitter less than 250 pic seconds) • Convenient 25 pin D-Type connectors – The ISA828 integrates quickly and seamlessly with ProTools HD, as well as other popular hard disk recorders and mixing desks. • Switchable Impedance – Selectable per channel; choose one of four carefully selected input impedances, including the original ISA110 setting, to suit any microphone • Direct Instrument inputs – Located on the front panel, each instrument input features high and low impedance options to provide a comprehensive and accessible DI solution • Inserts available on every channel – Allows external devices to be inserted between the pre amp and the ADC, using the 25-pin D-type cable • High pass filter, Phase reverse and Phantom power – Independent on each channel • Six LED input meter, complete with precise meter trim - Designed to utilise the same reference points as Digidesign's HD™

ISA 8 Channel A/D Card

999.00

8 channel, 44.1kHz-192kHz specification, easy to fit by customer. Features 8 channels each of AES, S/PDIF, ADAT optical. Can be fed by a single ISA428 (4 pre's + 4 line/instrument input, or any combination, or 2 x ISA428 (for 8 pre's to 8 channels of A/D- 2 x 428 + 1 x A/D option.) • Works with ISA428 and ISA828.



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Red Range — SPECIAL ORDER ONLY. CALL FOR AVAILABILITY. —

The Red Range is handmade, crafted to the highest standards. All the Red Processors are manufactured solely in the UK using machine-tooled, half-inch thick claret red anodised aluminium. The chassis features recessed section grooves and styling motifs, (sculpted with diamond-tip cutters,) porthole windows, and printed silver control text, and firm-response illuminated switches. All Red products feature sealed relays, (gold-plated silver in an inert gas,) situated in the middle of the circuits in which they switch. The precious metals mean that all contacts are low resistance, and the gas prevents any kind of corrosion of the surface of the contacts, meaning the most perfect audio switching device ever designed - utterly passive, zero distortion caused and no FET's required. Red Range processors with mic pre's feature solid-state-amplified audio transformers, which help to give the characteristic "warm, organic sound" loved by studios world-wide.

Red 1- Quad Mic Preamplifier

4499.00

Quad Mic Amp • With four mic pre-amps in a single unit, Red 1 is ideal for those looking for improved audio performance, as a compact 'way in' to digital recording systems, or for location multi-mic recordings • Each channel offers custom-wound Focusrite input transformers, switchable phantom power, phase reverse, an easily-read illuminated VU meter, and a handy scribble disc for denoting channels.



Red 7 - Mic Pre & Dynamics

5625.00

Combining the Focusrite transformer-based mic pre with a compressor, limiter and de-esser/exciter, the Red 7 is a superb, single-channel dynamics processor, ideal for high quality recording, notably voice-overs and other vocal applications.



Red 8- Dual Mic Preamplifier

3330.00

Dual channel version of Red 1.



— SPECIAL ORDER ONLY. CALL FOR AVAILABILITY. —