ANAconda SYSTEM

Model B28M

Building on the wide acceptance of the original Anaconda, Aphex’ new Model B28M is a point-to-point 64-channel bi-directional snake designed for easy and cost-effective connection of digital and analog audio systems as a mix snake or a drive snake for industry-standard prosumers, consoles, DAWs and recorders. The new Anaconda Model B28M features two MADI inputs as well as pass-through for digital audio of up to 192 sample rates via SMAD protocol. Composed of two identical units on either end of a long distance optical fiber run, the B28M offers eight ADAT optical inputs and outputs on each end for local interfacing. Word clock is generated by an ultra-pure voltage-controlled crystal, external word clock is fed through one BNC terminated with 75Ω, and word clock distribution through eight BNCs and any AES for control and metering/status feedback for products such as the Ares 186 and 1780A and power supplies. Each unit has two fiber transceivers with automatic failover switching for redundancy. The transceivers use industry-standard ST connectors (optional ST connectors) for use with low-cost, readily available multimode fiber. Two internal power supplies automatically switch if one fails.

Model B24

Aphex B24 Distribution Hub

Expands Anaconda system to add up to four receivers. Connects Anaconda system to up to four receivers. Redundant fiber connections and redundant power supplies.

Model 141 and Model 142

8-Channel D/A and A/D Converters


Model 144

AES/ADAT/AES Converter

Bidirectional ADAT AES and AES-ADAT converter as at up to 192kHz sample rates. Converts four stereo pairs of AES and 8 channels of ADAT. AES connections via XLRan standard 25-pin D-Sub.

MODEL 2020 MKIII

The ultimate dynamics processor for FM, TV, Streaming, Post Production and Mastering

The worldwide standard in broadcast processing for facilities that demand the best in audio quality and reliability. Digitally controlled processing allows. Wide band leveling, 4-band compressor, allpeak/peak clipper, plus optional pre-emphasis filter, stereo generator and digital I/O. The power of Aphex’ unique and proprietary innovations make the 2020 MKIII the leading line center processor available today. Other features include processor safety software, programmable and automatable settings, remote and local control, AES input/output and dual compact inputs, headphone L/D monitor, and more. Digital I/O options include our patented Drih Stabilized A to D Converters.

The Model 2020MKIII has been hailed worldwide as the FM processor of choice for stations where sound quality and loudness are equally important. Review after review references “dryy”, “neutrality”, “transparency”, “lack of annoying artifacts”, “great value”, “deep, rich bottom end”, “clear, uncolored midrange and highs”, “the list of accolades goes on and on.”

Users of the 2020MKIII include nationally-syndicated television, radio broadcasters, recording and mastering studios, and film/video post production facilities.

PEDAL PROCESSORS

Model 1401 Acoustic Xciter®

For many traditional acoustic instruments with active or passive pickups. Vicing is clean and open. Gives better articulation, clarity and projection with a feeling of fuller reach to the lowest notes.

“For Acoustic Xciter will let your dreams be heard. Allows me to introduce my guitar’s best friend!”

(Thom Bresh)

Model 1402 Bass Xciter®

For bassists who want to truly bring out the best in their tone. Works with active or passive pickups, magnetic or piezo. Vicing is tailored to deep tone and sustain while adding life to the tone or slap. Makes smaller rigs sound bigger, and big rigs sound huge. A favorite of many touring and session pros.

Model 1403 Guitar Xciter®

Model 1404 Punch Factory®

A studio-quality optical compressor in a pedal format. Clean, transparent compression for all instruments. Go from subtle to extreme compression without altering your tone or breaking up. Punch through the mix, live or studio, with enhanced tone and dynamic control.

MODEL 454 HEADPOD®

Improving The Way The World Sounds®

www.aphex.com

PEDAL PROCESSORS

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www.aphex.com
WELCOME TO APHEX!

Founded in 1975, Aphex Systems is the leading developer and manufacturer of signal processing, dynamics control, microphone preamplifiers and analog/digital conversion systems. Aphex products are designed for a wide cross section of professionals and users in broadcast, music production, live sound reinforcement, studio installations, and other applications in audio around the world.

KEY APHEX TECHNOLOGIES

Reflected Plate Amplifiers® (RPA)
The Reflected Plate Amplifier (U.S. Patent #5,653,684) is a true vacuum tube circuit which has the desired audio characteristics without the heat, weight, fog, sonic variability, short life and HF rolloff of other tube designs. Used in Models 207D, 230, 661, and 1100Mk II.

MicLim®—The world's only noise level limiter
The patented Miclim is a custom designed optical attenuator, located directly on the mic input line, that uniquely limits the microphone's output signal according to the Miclim peak detector's control current. Since attenuation comes prior to preamplification, the Miclim can increase effective headroom by up to 20dB. Used in Models 207D, 1100Mk II and 1788A.

VCA 1001®—World's fastest voltage controlled attenuator
The VCA 1001's high slew rate and extremely low noise distortion are essential for maintaining the audio quality of our products and allowing their unsurpassed performance characteristics. Control feedthrough in other VCA's typically causes clicks, pops and pre-decay. These factors are almost nonexistent in the VCA 1001, even when operated at high speeds.

APHEX TRADEMARKS AND PATENTS

Aphex has never been satisfied with the limitations of off-the-shelf parts and fixed circuit designs to the creations of our innovative, award-winning products. Over a dozen Aphex technology have been granted patents (and even more are pending), indicating that they truly offer a unique advantage over conventional, fixed circuit designs. The following Aphex proprietary circuits are among the many products in this catalog: High Frequency Expander, Variable User-Controlled Transients, Distortion Compensation Generator, Reflected Plate Amplifier, Logic Assisted Gate, RPA Tube Compressor, Dynamic Feedback Gain, Auto Level Threshold, Parallel Path Digital Modulation, Frequency Independent Limiter, Soft Clip Band Clip, Shift Skew Band A-D Converter, Distribution Pre-amplifiers, Stereo Linearizer, Phase Corrector, Post-Crossover Multiband Equalizer, Stereo Pulse Accelerated Compressor. This circuitry is protected by the following U.S. patents: 5,515,599, 5,542,880, 5,560,408, 5,603,425, 5,624,937, 5,653,734, 5,675,943, 5,706,420, 5,708,409, 5,843,624, 5,866,432. Other U.S. patents issued and/or pending. Other trademarks are the property of their respective holders.

Aphex, Aphex Thereminics, Aural Exciter, Big Bottom, Captiva, Stainless, Empyrean, Explorer, Fulcher, Genesis, Limiter, Listrix, Luxlor, Punch factory, Anechoic, and HeadPod are trademarks of Aphex Systems, Ltd.

Aphex products are CE and UL or CUL listed, and meet BCHA compliant. Other IS and Foreign patents issued or pending. Aphex is 100% owned and engineered in the U.S.A.

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MICROPHONE PREAMPLIFIERS

Model 230 Master Voice Channel
The most powerful processor ever designed specifically for voice - spoken word or singing. 8-band pre-amp, Empyrean compressor, Logic Assisted Gate, Split band de-esser, Big Bottoms, Aural Exciter, and parametric EQ, plus 24-bit/96kHz DAT, all in a single rack space. Perfect for the retrofit, studio, live, or broadcast. Teach your technicians with the 230M.

Model 207D Tube Mic/Instrument Preamplifier
Two channels of the award-winning tube mic and instrument processing using the patented PTM vacuum tube circuit for a present, open and detailed sound. Miclim attenuates signal before preamplification, giving up to 25dB more headroom. The 207D adds AES and T/96 digital interlocking up to 114kHz.

Model 1788A 8 Channel Remote Controlled Mic Preamplifier
The world standard in remote control preamplification for touring, fixed installations, remote recording and more. 8 channels of Jensen transformer coupled mic pre's with two analog outputs and a new optional 24-bit/96kHz AES with AES, (2) ADAT, and AES31D. Control via Ethernet with PC and Mac software control, Pro Tools® commands via MIDI, Yamaha control Tool®.

Model 1788A-RC Remote Controller for 1788A and 188 Mic Preamps
Controls up to 128 units of 1788A or 188 preamps. Can interface with other 1788A's, the 1788A PC and Mac software control. Pro Tool® commands interface with AES, YDCUum remote or RC-722.

MICROPHONE PREAMPLIFIERS

Model 188 8 Channel Remote Mic Preamplifier
Streamlined, cost-effective 16-channel remote mic pre for live sound and recording. One analog output plus two 24-bit/96kHz outputs for redundant operation or higher sampling rates via SM 902. 188RP rackspace design and lower power requirement. A perfect preamplification choice for the Aroseonda system.

AUDIO INTERFACES

Model 120A Distribution Amp
High performance audio distribution amplifier with one input, one thru-out, and four Lew & Low 2 Series-Balanced outputs. Connections via XLR.

Model 124A Stereo Level Interface
Stereo bidirectional -10dBV to +4dBu interface. Seamless signal level conversion via XLR in and AES31D connections via XCA.

Model 148 8x32 Digital Audio Splitter
The Model 148 splits 8 channels (4 pairs) of digital audio into 32 channels (16 pairs) AES31D connections with up to 96kHz sampling rates. Connections via XLR standard 15 pin D-Sub.

DYNAMICS PROCESSORS

Model 240 Dual Logic Gated Compressor
Two-channel compressor and gating using Aphex'' industry-standard Empyrean® compression and Logic Assisted® gating technology. Compressor and gate are gain level to avoid conflicting dynamics processing.

Model 320D Compander®
The ultimate automatic gain control. Compandes limiter, and limiter controlled by three proprietary "Devices". Dual mode stereo operation. Model 320D features AES31D digital inputs and outputs up to at 96kHz.

Model 661 Tubessence® Tube Compressor
This powerful compressor's 97% tube makes your audio warm and engaging. The high-frequency expander adds life to compressed signals. Manual controls for all compression parameters, plus Empyrean for flawless automatic operation.

Model 720 and Model 722 Dominator® II Precision Peak Limiters
Transparent stereo multiband brick-wall limiting. Multiband technique plus the patented Automatic Limit Threshold encoder for higher output level (headroom) without distortion or knee punching. The excellent solution for getting the most out of digital equipment while preserving your system (and your ears). Model 720 includes selectable 50 or 75Hz pre-emphasis and complementary de-emphasis.

AURAL EXCITERS

Model 204 Auralex Exciter® and Optical Big Bottom®
Two channels of world renowned, patented Auralex Exciter and Big Bottom will add presence, clarity, fullness, body, punch, detail and depth, all without significantly increasing peak levels. Directly proven to increase intelligibility, it is perfect for every speech application. Two brings MPS back to life!