POWER
APB-8
8-CHANNEL
ANALOG PROCESSING BOX
POWER
APB-16
16-CHANNEL
ANALOG PROCESSING BOX

APB-8

8 Channel
Analog Processing Box

APB-16

16 Channel
Analog Processing Box

The World's First Programmable Analog Processor

The McDSP Analog Processing Box (APB) combines the flexibility of software with the fidelity of premium analog processing. Each channel can be controlled by an AAX, AU, or VST3 plug-in giving true digital workflow with genuine analog performance. Processing options include compressors, mastering limiters, transient enhancement devices, multi-channel and multi-band applications, and much more.

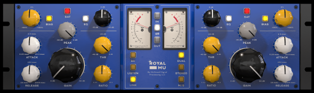
POWER
McDSP
APB-16
16-CHANNEL
ANALOG PROCESSING BOX
0:00 / 1:02

Hardware

- Programmable analog processing
- Premium analog components
- Multiple analog saturation circuits
- AKM 32-bit DAC and ADC
- Thunderbolt 2 and 3 compatible
- McDSP patented technology
- Manufactured in the United States

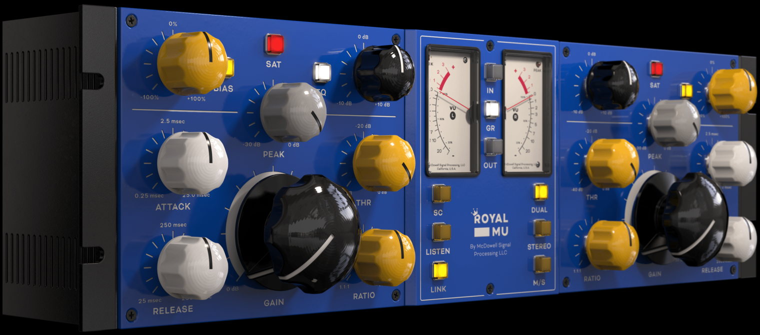
Software

- APB-ready software plug-in bundle included
- Sample accurate automation
- Full session recall and preset handling



PLUG-INS

The APB-8 and APB-16 come with a collection of APB plug-ins to route audio to the APB hardware and control the analog circuitry within. The user simply operates the APB plug-in like any other plug-in, but processing is done in the analog domain. Settings can be saved as a preset, plug-ins can be recalled with a session, and parameters can even be automated with sample level accuracy. APB plug-ins provide true digital workflow with genuine analog performance.


0%
-100%
+100%
BIAS
SAT
EQ
0 dB
-10 dB
+10 dB
2.5 msec
0.25 msec
25.0 msec
ATTACK
-30 dB
0 dB
PEAK
-20 dB
THR
250 msec
25 msec
RELEASE
0 dB
GAIN
1:1
RATIO
VU
IN
GR
OUT
SC
LISTEN
LINK
ROYAL MU
By McDowell Signal Processing LLC
DUAL
STEREO
M/S

Royal Mu
Compressor and Limiter

WATCH THE DEMO ▶

LEARN MORE ▶

The Royal Mu is a dual-channel compressor and limiter. Features include analog biasing and saturation, mid/side processing, equalization, and a full featured analog compressor and analog limiter. The Royal Mu offers independent (or linked) control of the left/right (or mid/side) channels.

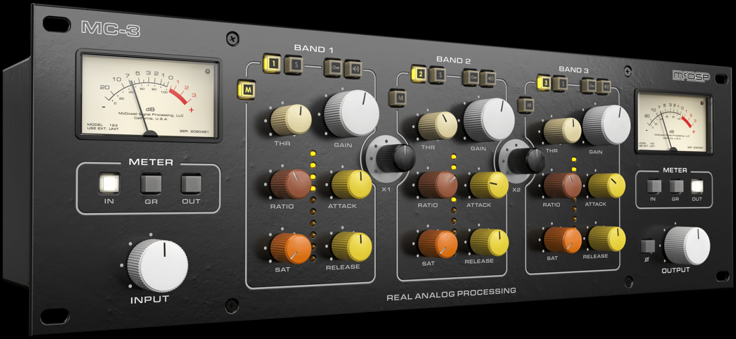
1
2
3
4
Q
0.4
4.0
FREQ
500 Hz
5 kHz
2.5 kHz
25 kHz
0 dB
GAIN
+15 dB
IN
LS
HS

Royal Q

Equalizer

WATCH THE DEMO ▶ **LEARN MORE ▶**

The Royal Q is a dual-channel 4-band equalizer featuring parametric and shelving EQ, mid/side processing, and trim controls. The Royal Q equalization is complimented by a custom analog section for a truly unique hybrid processor. The Royal Q offers independent (or linked) control of the left/right (or mid/side) channels.


MC-3
dB
McDowell Signal Processing, LLC
California, U.S.A.
MODEL 124
USE EXT. UNIT
SER. 2020421
METER
IN
GR
OUT
INPUT
BAND 1
BAND 2
BAND 3
M
S
THR
GAIN
RATIO
ATTACK
SAT
RELEASE
X1
X2
McDSP
OUTPUT
REAL ANALOG PROCESSING

MC-3

Multi-band Compressor

WATCH THE DEMO ▶ **LEARN MORE ▶**

The MC-3 Multi-band Compressor is the world's first fully automated analog multi-band compressor. The matched and calibrated analog channels of the APB hardware make the MC-3 one of the most precise analog multi-band compressors available. Analog saturation control is also available per band. All MC-3 parameters are automatable and can be saved as a preset for instant session recall.

HF
GAIN
LF
PRE
SAT
POST
COMP
TC
SOLO
MUTE
1
2
3
4
5
6
7
8
McDSP
MOO "X" MIXER

Moo X
Mixer

WATCH THE DEMO ▶

LEARN MORE ▶

The Moo X mixer plug-in is the world's first fully automated hybrid mixing console under total software control. Session recall is instant, and all mixer controls can be automated or saved as a preset. Features include channel equalization, analog compression and saturation, and a master section with stereo analog compression and saturation.

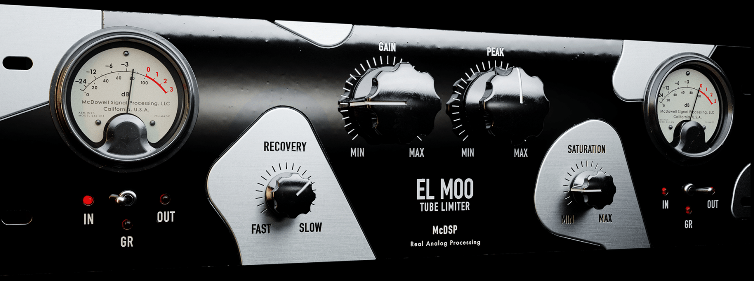
THRESHOLD
TIME CONSTANT
OUTPUT
IN
GR
OUT
McDSP
dB
McDowell Signal Processing, LLC
California, U.S.A.
C673-A
DYNAMIC RANGE COMPRESSOR

C673-A
Dynamic Range Compressor

The C673-A served as the initial prototype for the concept of the world's first programmable analog processor. Based on McDSP's C670 and C671 modules from the McDSP 6000 series plug-ins, the C673-A model pushes the envelope further with all analog dynamics processing and a custom saturation circuit.

WATCH THE DEMO ▶

LEARN MORE ▶

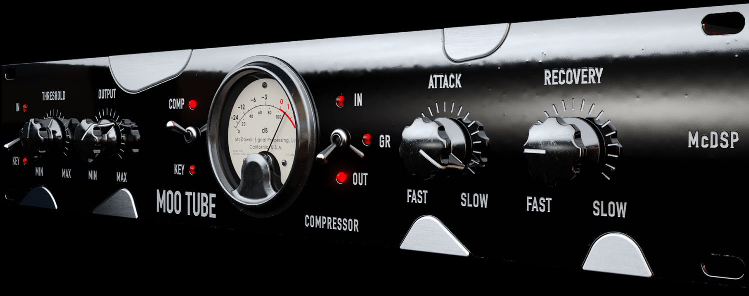

GAIN
PEAK
MIN
MAX
MIN
MAX
RECOVERY
FAST
SLOW
SATURATION
MIN
MAX
EL MOO
TUBE LIMITER
McDSP
Real Analog Processing
IN
OUT
GR
dB
McDowell Signal Processing, LLC
California, U.S.A.

EL MOO
Tube Limiter

One of two all-analog limiters in the APB plug-in lineup, the El Moo leverages the same design used in the MooTube compressor. An adjustable all-analog saturation stage with user control makes the El Moo an interesting choice as a sonic leveler.

WATCH THE DEMO ▶

LEARN MORE ▶


THRESHOLD
OUTPUT
IN
KEY
MIN
MAX
MIN
MAX
COMP
KEY
MOO TUBE
IN
GR
OUT
COMPRESSOR
ATTACK
FAST
SLOW
RECOVERY
FAST
SLOW
McDSP

MOO TUBE
Compressor

The MooTube Compressor is the capstone of the collection of McDSP tube-based compression algorithms. Combining decades of software-side modeling experience with the world's first programmable analog processor, the MooTube delivers a soft touch to anything that goes through it.

WATCH THE DEMO ▶

LEARN MORE ▶

KEY
LISTEN
THRESHOLD
ATTACK
RELEASE
dB COMPRESSION
RATIO
SAUCE
OUTPUT
CHICKENHEAD™
Real Analog Processing
McDSP
McDowell Signal Processing, LLC
California, USA

ChickenHead Compressor

WATCH THE DEMO ▶   **LEARN MORE ▶**

It may look familiar to some, but under the hood the ChickenHead is a completely unique processor on a completely unique platform. McDSP engineering sought to leverage the high end analog components and most aggressive saturation circuit in the APB hardware to create a compressor with attitude. If you are looking for the rooster in the hen house of dynamic range processors, the ChickenHead is it.

IN
GR
OUT
KNEE
GAIN
PEAK
RELEASE
COLOR
IN
GR
OUT
McDowell Signal Processing, LLC
California, U.S.A.
Real Analog Processing
McDSP
L-18 LIMITER

L-18

L-18

The L-18 is designed to be a pristine all-analog limiter, useful for a

Limiter

WATCH THE DEMO ▶

Surround Limiter

LEARN MORE ▶

variety of mixing styles. The Knee and Color controls give some subtle tone shaping options. The L-18 Surround Limiter includes support for LCR, LCRS, Quad, 5.0, 5.1, 6.0, 6.1, 7.0, 7.1, 7.0.2, and 7.1.2 formats.

McDSP
THRESHOLD
SC
RATIO

C-18
Compressor

WATCH THE DEMO ▶

LEARN MORE ▶

The C-18 compressor, like the L-18 limiter, is designed to be a pristine, green, audio machine. Tribute is paid to the first McDSP dynamics plug-in, CompressorBank, with an all-analog version of the unique BITE control, and an advanced version of the AUTO feature for signal level dependent attack and release times. The C-18 can be a straight up utility processor, or introduce some new and unique twists to any track.

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