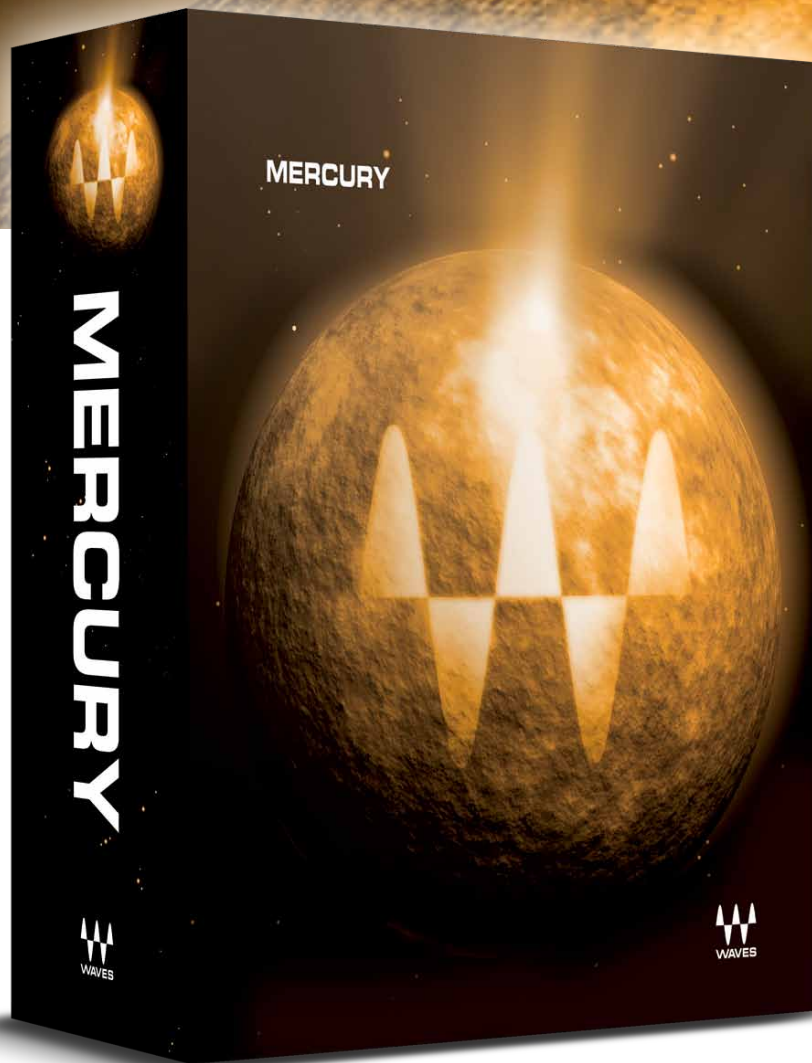


# WAVES CATALOG 2011



# MERCURY





# Rise above.

**With** more than 100 stellar plugins and over 300 components, Mercury features more Waves in one package than ever before.

From time-domain effects to equalizers, from dynamics control to noise reduction, from guitar sound modeling to the sound of classic analog components, there has never been such a comprehensive collection as this. Mercury offers more effects, more channel components, more mixing tools, more processors than ever before in one place.

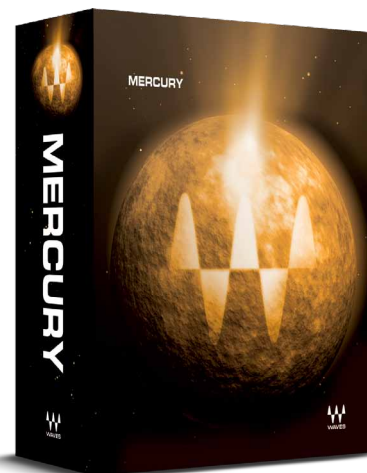


OVER  
**100**  
PLUGINS

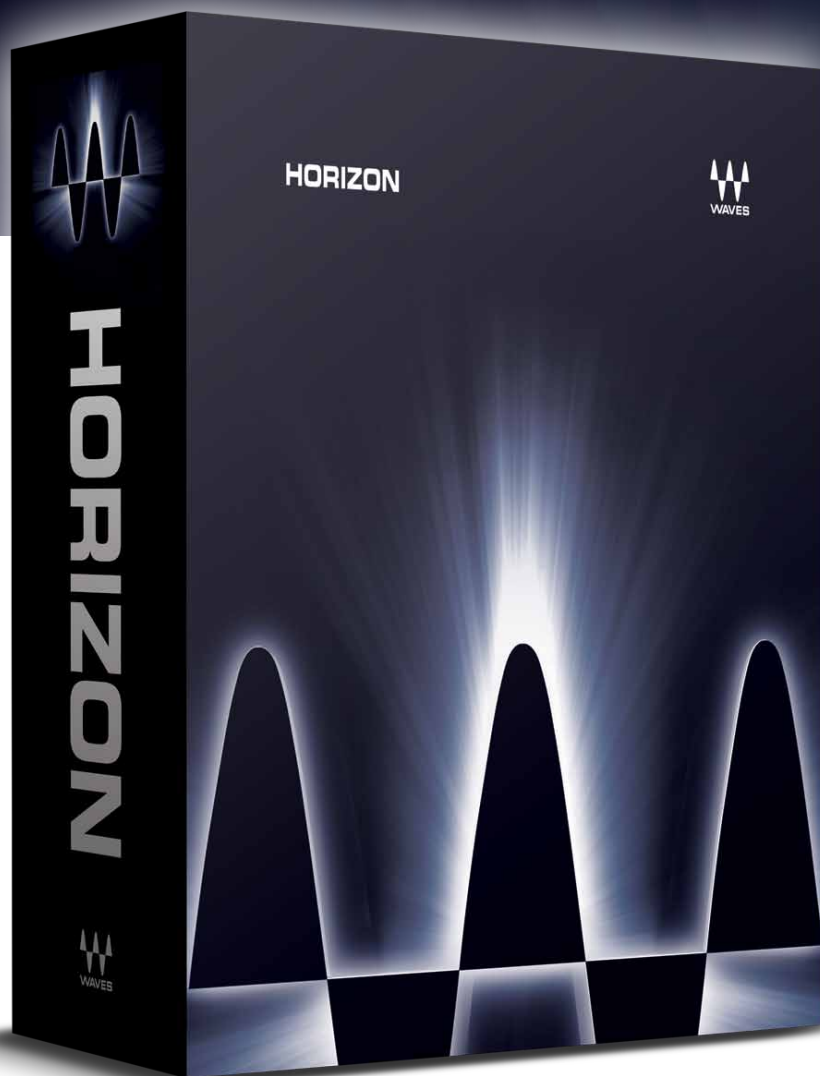
- API 550A 3-BAND EQUALIZER
- API 550B 4-BAND EQUALIZER
- API 560 10-BAND GRAPHIC EQUALIZER
- API 2500 COMPRESSOR
- AUDIOTRACK
- C1 COMPRESSOR / EXPANDER
- C4 MULTIBAND COMPRESSOR
- C6 MULTIBAND COMPRESSOR
- CENTER
- CLA-2A COMPRESSOR
- CLA-3A COMPRESSOR
- CLA-76 COMPRESSOR
- CLA BASS
- CLA DRUMS
- CLA EFFECTS
- CLA GUITARS
- CLA UNPLUGGED
- CLA VOCALS
- DEBREATH
- DEESSER
- DOPPLER
- WAVES DORROUGH STEREO METERS
- WAVES DORROUGH SURROUND METERS
- DOUBLER
- ENIGMA
- GTR3: 25 GUITAR AMPS
- GTR3: 7 BASS AMPS
- GTR3: 29 CABS
- GTR3: 26 STOMPS
- H-COMP
- H-DELAY
- IR-L CONVOLUTION REVERB
- IR1 CONVOLUTION REVERB
- IR360° SURROUND CONVOLUTION REVERB
- JJP BASS
- JJP CYMBALS & PERCUSSION
- JJP DRUMS
- JJP GUITARS
- JJP STRINGS & KEYS
- JJP VOCALS
- EDDIE KRAMER VOCAL CHANNEL
- EDDIE KRAMER BASS CHANNEL
- EDDIE KRAMER GUITAR CHANNEL
- EDDIE KRAMER DRUM CHANNEL
- EDDIE KRAMER EFFECTS CHANNEL

- HLS CHANNEL
- PIE COMPRESSOR
- L1 ULTRAMAXIMIZER
- L2 ULTRAMAXIMIZER
- L3 MULTIMAXIMIZER
- L3 ULTRAMAXIMIZER
- L3-16 MULTIMAXIMIZER
- L3-LL MULTIMAXIMIZER
- L3-LL ULTRAMAXIMIZER
- LINEAR PHASE EQ
- LINEAR PHASE MULTIBAND
- LOAIR
- MASERATI ACG
- MASERATI B72
- MASERATI DRM
- MASERATI GTI
- MASERATI HMX
- MASERATI VX1
- MASERATI GRP
- MAXXBASS
- MAXXVOLUME
- METAFLANGER
- MONDOMOD
- MORPHODER
- MV2
- MV360°
- PAZ ANALYZER
- PS22 STEREO MAKER
- PUIGCHILD 660 & 670
- PUIGTEC EQP-1A
- PUIGTEC MEQ-5
- Q10 PARAGRAPHIC EQ
- Q-CLONE
- RENAISSANCE AXX
- RENAISSANCE BASS
- RENAISSANCE CHANNEL
- RENAISSANCE COMPRESSOR
- RENAISSANCE DEESSER
- RENAISSANCE EQUALIZER
- RENAISSANCE REVERB
- RENAISSANCE VOX
- S1 STEREO IMAGER
- SOUNDHIFTER
- SUPERTAP
- R360° SURROUND REVERB

- S360° SURROUND IMAGER
- S360° SURROUND PANNER
- LFE360° LOW-PASS FILTER
- L360° SURROUND LIMITER
- C360° SURROUND COMPRESSOR
- IDR360° BIT RE-QUANTIZER
- M360° SURROUND MANAGER
- M360° SURROUND MIXDOWN
- TRANS-X
- TRUEVERB
- WAVES TUNE
- ULTRAPITCH
- UM 225
- UM226
- VOCAL RIDER
- V-COMP
- V-EQ3
- V-EQ4
- W43 NOISE REDUCTION
- WNS NOISE SUPPRESSOR
- X-CRACKLE
- X-HUM
- X-NOISE
- X-CLICK
- Z-NOISE



# HORIZON



OVER **50**  
PLUGINS

**As** a music production professional, there are certain things you just can't live without: A good room. Good mics. Good monitors. Good music. And Waves.

You need versatile mixing tools that bring out the best of each and every performance. You need the warm, incomparable sound of vintage compressors for punch and power. You need precision-modeled EQs that add color and character. And you need state-of-the-art mastering processors to give your projects that final shimmer and shine.

You need Waves Horizon.

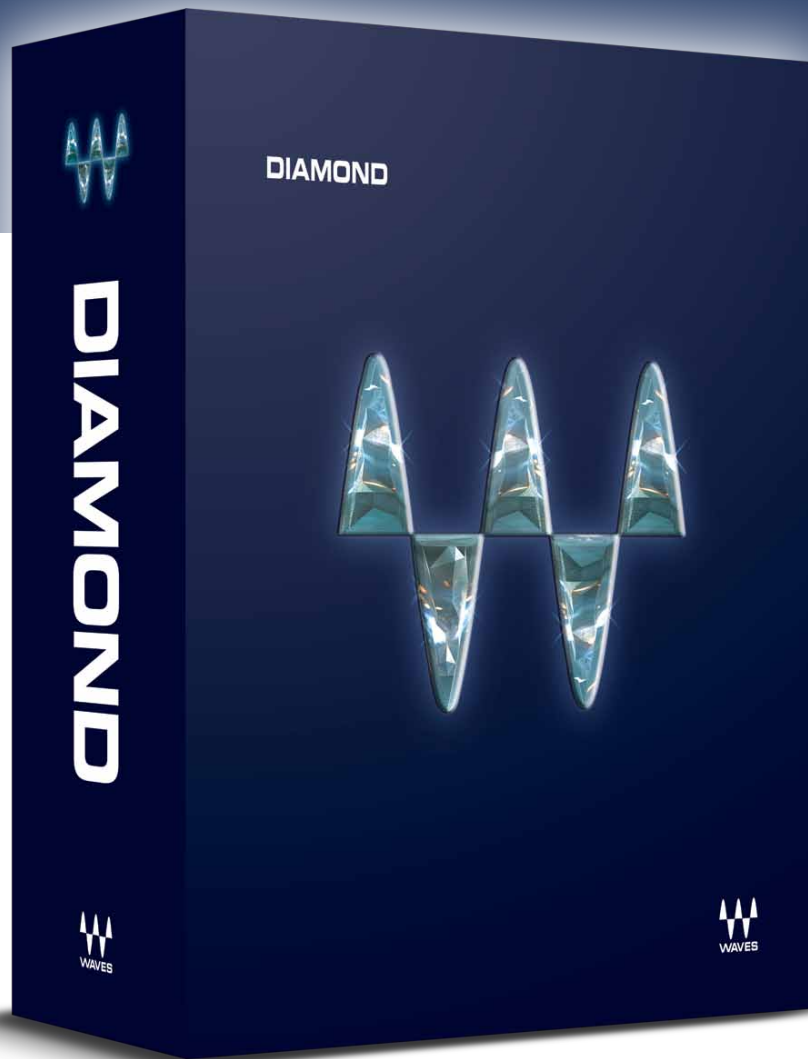
# Follow your destiny.

- AudioTrack
- C1 Compressor / Expander
- C4 Multiband Compressor
- Center
- CLA-2A
- CLA-3A
- CLA-76 Blacky
- CLA-76 Bluey
- DeBreath
- DeEsser
- Doppler
- Doubler
- Enigma
- GTR3
- H-Comp
- H-Delay
- IR-L Convolution Reverb
- L1 Ultramaximizer
- L2 Ultramaximizer

- L3 Multimaximizer
- L3 Ultramaximizer
- L3-LL Multimaximizer
- L3-LL Ultramaximizer
- L3-16 Multimaximizer
- Linear Phase EQ
- Linear Phase Multiband
- MaxxBass
- MaxxVolume
- MetaFlanger
- MondoMod
- Morphoder
- MV2
- PAZ Analyzer
- PS22 Stereo Maker *(TDM only)*
- PuigChild 660/670
- PuigTec EQP-1A
- PuigTec MEQ-5
- Q10 Paragraphic EQ

- Q-Clone
- Renaissance Axx
- Renaissance Bass
- Renaissance Channel
- Renaissance Compressor
- Renaissance DeEsser
- Renaissance EQ
- Renaissance Reverb
- Renaissance Vox
- S1 Stereo Imager
- SoundShifter
- SuperTap
- Trans-X
- TrueVerb
- Waves Tune LT
- UltraPitch
- UM225 / UM226
- V-Comp
- Vocal Rider

# DIAMOND



OVER  
**40**  
PLUGINS



A comprehensive collection of audio processing tools, Diamond brings unparalleled signal processing power to your studio, for tracking, mixing, mastering, creative sound design, and audio restoration. Diamond includes all the plugins found in our Platinum, Restoration, and Transform bundles as well as V-Comp, L3 Multimaximizer, and more. From dynamics, equalization, and reverb to pitch correction, spatial imaging, and beyond, Diamond is a must-have for every serious studio.

# Shine brighter.

- L1 Ultramaximizer
- L2 Ultramaximizer
- L3 Multimaximizer
- L3 Ultramaximizer
- L3-LL Multimaximizer
- L3-LL Ultramaximizer
- MaxxBass
- Linear Phase Equalizer
- Linear Phase Multiband
- TrueVerb
- S1 Stereo Imager
- Renaissance Axx
- Renaissance Bass
- Renaissance Compressor
- Renaissance Channel
- Renaissance DeEsser
- Renaissance Equalizer
- Renaissance Reverb
- Renaissance Vox

- C1 Compressor / Expander
- C4 Multiband Compressor
- PS22 Stereo Maker *(TDM only)*
- MetaFlanger
- MondoMod
- DeEsser
- IR-L Convolution Reverb
- Doubler
- Doppler
- Q10 Paragraphic Equalizer
- Q-Clone
- AudioTrack
- PAZ Analyzer
- Enigma
- SuperTap
- Waves Tune LT
- UltraPitch
- SoundShifter
- X-Click

- X-Crackle
- X-Hum
- X-Noise
- Morphoder
- Trans-X
- MV2
- MaxxVolume
- Z-Noise
- Center
- H-Comp
- H-Delay
- PuigTec EQP-1A
- PuigTec MEQ-5
- V-Comp

# PLATINUM



Get Platin

OVER  
**30**  
PLUGINS

**Platinum** is an extraordinary collection of signal processing tools. From dynamics, equalization, and reverb to pitch correction, spatial imaging, and beyond, Platinum is ideal for sound design, mixing, mastering, and more. Featuring all the plugins found in our Gold, Masters, and Renaissance Maxx bundles plus L3 Ultramaximizer, PuigTec EQP-1A, PuigTec MEQ-5, and more. Platinum is a powerful production arsenal for any studio.

num. Go multi-Platinum.

11

- L1 Ultramaximizer
- L2 Ultramaximizer
- L3 Ultramaximizer
- L3-LL Ultramaximizer
- UltraPitch
- MaxxBass
- Linear Phase Equalizer
- Linear Phase Multiband
- TrueVerb
- S1 Stereo Imager
- Renaissance Axx
- Renaissance Bass
- Renaissance Compressor
- Renaissance Channel
- Renaissance DeEsser

- Renaissance Equalizer
- Renaissance Reverb
- Renaissance Vox
- C1 Compressor / Expander
- C4 Multiband Compressor
- PS22 Stereo Maker (*TDM only*)
- MetaFlanger
- MondoMod
- DeEsser
- IR-L Convolution Reverb
- Doubler
- Doppler
- Q10 Paragraphic Equalizer
- AudioTrack
- PAZ Analyzer

- Enigma
- SuperTap
- Waves Tune LT
- MV2
- MaxxVolume
- H-Comp
- H-Delay
- PuigTec EQP-1A
- PuigTec MEQ-5



# GOLD



OVER  
**20**  
PLUGINS

**The** industry's most popular plugin bundle, Gold brings a wealth of mixing and mastering power to your studio, including many of our most sought-after plugins like the legendary L1 Ultramaximizer, C4 Multiband Compressor, H-Comp, and H-Delay. With compression, EQ, reverb, and more, Waves Gold contains all the essentials you need to take your mixes to the next level.

# Get the golden touch.

- L1 Ultramaximizer
- UltraPitch
- MaxxBass
- TrueVerb
- S1 Stereo Imager
- Renaissance Axx
- Renaissance Compressor
- Renaissance Equalizer
- Renaissance Reverb
- C1 Compressor / Expander
- C4 Multiband Compressor
- PS22 Stereo Maker *(TDM only)*
- MetaFlanger
- MondoMod

- DeEsser
- PAZ Analyzer
- Enigma
- SuperTap
- IR-L Convolution Reverb
- Doubler
- Doppler
- Q10 Paragraphic Equalizer
- AudioTrack
- MV2
- Waves Tune LT
- H-Comp
- H-Delay

# SILVER



Pro sou

You're making music.

Maybe you've got some tunes up online, and you're starting to attract some real attention. Or your band is packing the clubs, and you're ready to lay down some serious tracks—but you're not ready to lay down serious bucks.

Finally, Waves has created a bundle just for you.

Waves Silver: An affordable new collection designed with personal production studios in mind.

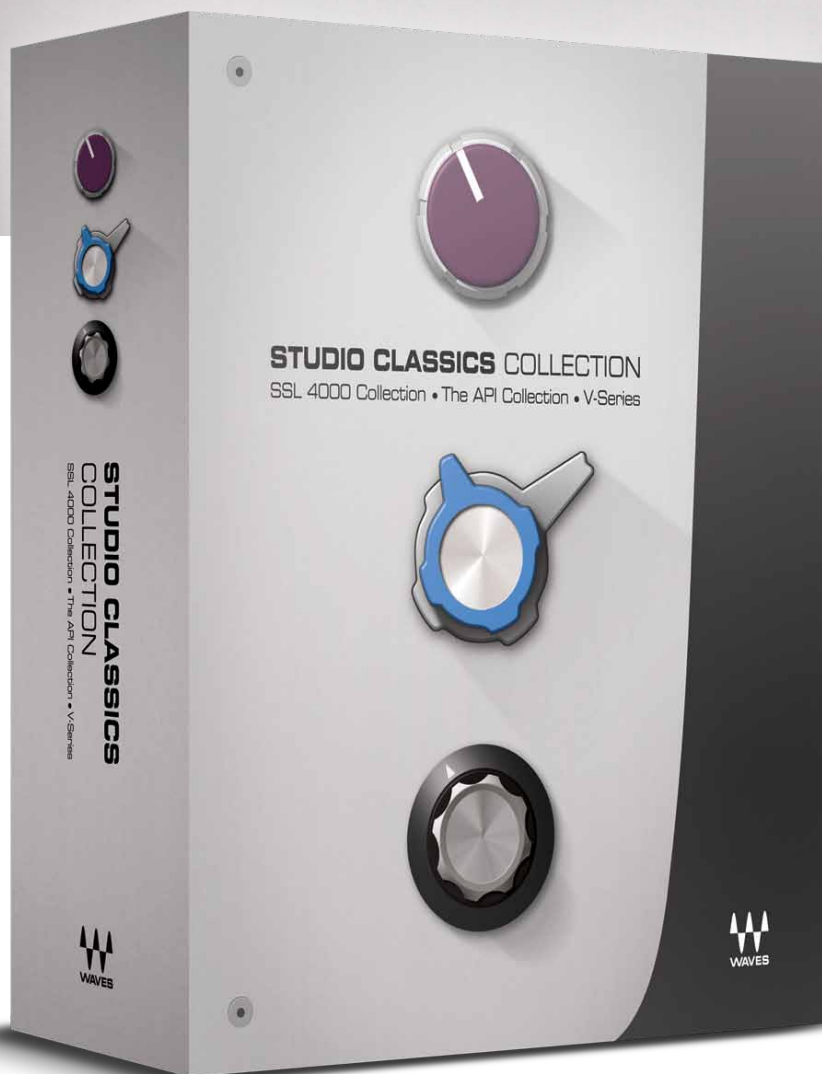
# nd is within your reach.

With reverb, compression, equalization, level maximization, and more, Silver features 16 essential plugins that will take your music to the pro level. Now, you can join the ranks of the engineers and producers that count on Waves Gold, Platinum, Diamond, and Mercury to deliver hit after hit after hit.

**When it's time to go pro,  
it's time to go Silver.**

- TrueVerb
- L1 Ultramaximizer
- Q10 Paragraphic Equalizer
- C1 Compressor / Expander
- IR-L Convolution Reverb
- SuperTap
- Doubler
- DeEsser
- S1 Stereo Imager
- Renaissance Axx
- Renaissance Compressor
- Renaissance Equalizer
- MaxxBass
- MondoMod
- Enigma
- PAZ Analyzer

# STUDIO CLASSICS COLLECTION





When it comes to audio hardware modeling, Waves sets the standard to which others aspire. Our plugins don't just mimic components and circuit schematics; they recreate every last nuance of actual hardware behavior.

Now, Waves has captured the most respected recording consoles in the world.

The big budget studio sound.  
The consoles that made music history.  
Together, in one collection.

# Three legends. One box.

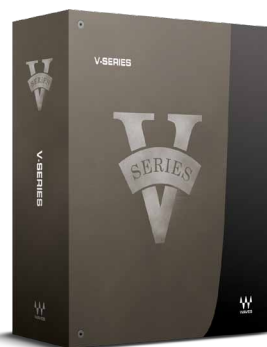
17



SSL 4000 Collection



The API Collection



V-Series

# SSL 4000 COLLECTION



Developed under  
license from

**Solid  
State  
Logic**



Developed under license from Solid State Logic, the SSL 4000 Collection includes four meticulously modeled plugins based on the legendary SSL 4000 Series: the SSL E-Channel, the SSL G-Master Buss Compressor, the SSL G-Equalizer and the G-Channel.

These plugins sound so close to the original consoles, even experts who work with SSL boards day in and day out can't tell the difference.



SSL G-Channel



SSL E-Channel



SSL G-Master Buss Compressor



SSL G-Equalizer

"I never even considered mixing in the box, until I used the SSL 4000 Collection!"

**Chris Shaw**

Producer/Engineer

*Bob Dylan, Sheryl Crow, Wilco*



# THE API COLLECTION



Authorized by



Developed in association with Automated Processes Incorporated, The API Collection features four precision processors based on renowned API modules: the 550A 3-Band Equalizer, the 550B 4-Band Equalizer, the 560 Graphic Equalizer, and the 2500 Stereo Compressor.

Used by engineers worldwide on countless hit records, these modules deliver a sound like no other. And with The API Collection, Waves captures every nuance of their unique sonic signatures.



API 550A 3-Band Equalizer



API 550B 4-Band Equalizer



API 560 10-Band Graphic Equalizer



API 2500 Compressor

“The API Collection does a great job emulating the hardware, with all of the little quirks I love about the originals.”

**Andrew Scheps**

Engineer/Mixing Engineer

*U2, Jay-Z, Red Hot Chili Peppers*



# V-SERIES



2254. 1066. 1073. 1081.

To most people, they're just numbers.

To audio professionals, they're hardware legends.

Presenting Waves V-Series: Three state-of-the-art Vintage models that capture the sound of the consoles found in the world's most exclusive recording studios. The big budget sound—at your fingertips.



V-Comp



V-EQ3

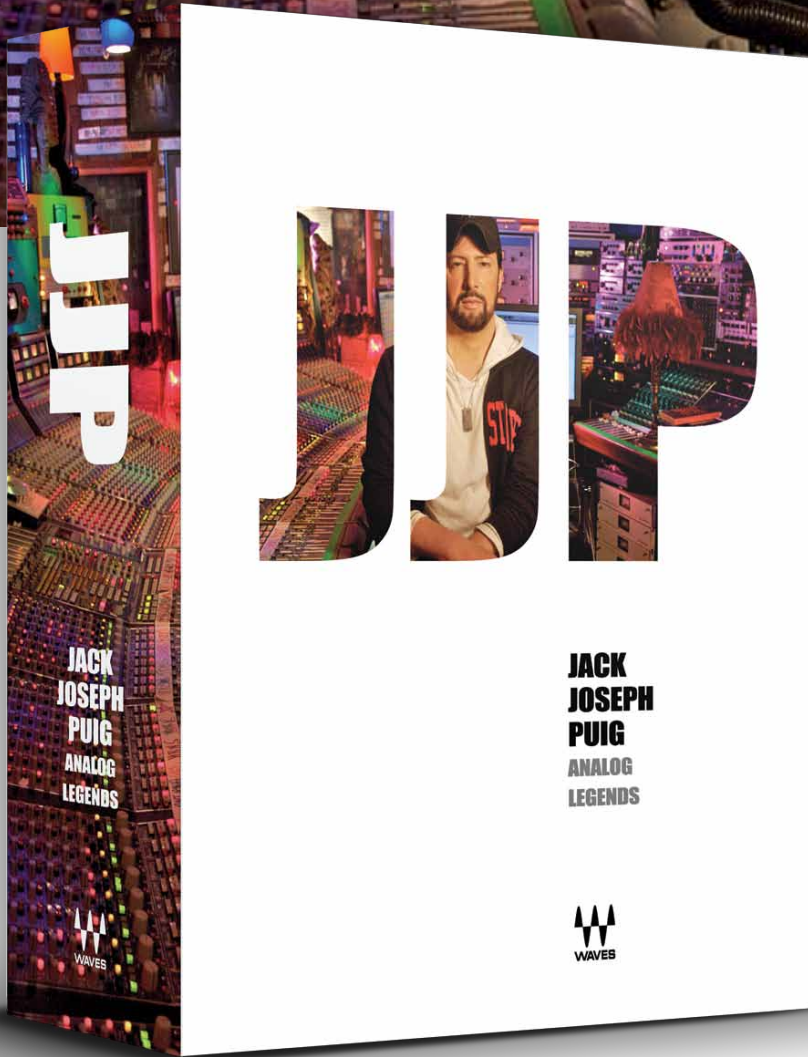


V-EQ4

“I haven’t encountered a single piece of equipment that has impacted my mixes like the V-Series. It’s like a real Neve—without the service headaches”.

**Marshall Jefferson**  
Producer  
Godfather of House Music

# JJP ANALOG LEGENDS



 **MODELING**





The Fairchild 670, the Pultec EQP-1A, and the Pultec MEQ-5 are among the most sought-after pieces of gear in audio history.

Jack Joseph Puig is among the most sought-after producers and mixing engineers in the music industry.

When JJP requires the perfect sound, he turns to these studio legends. Now, Waves has precision-modeled these rare pieces and captured every detail of their rich harmonic complexity.



PuigChild 660



PuigTec EQP-1A



PuigChild 670



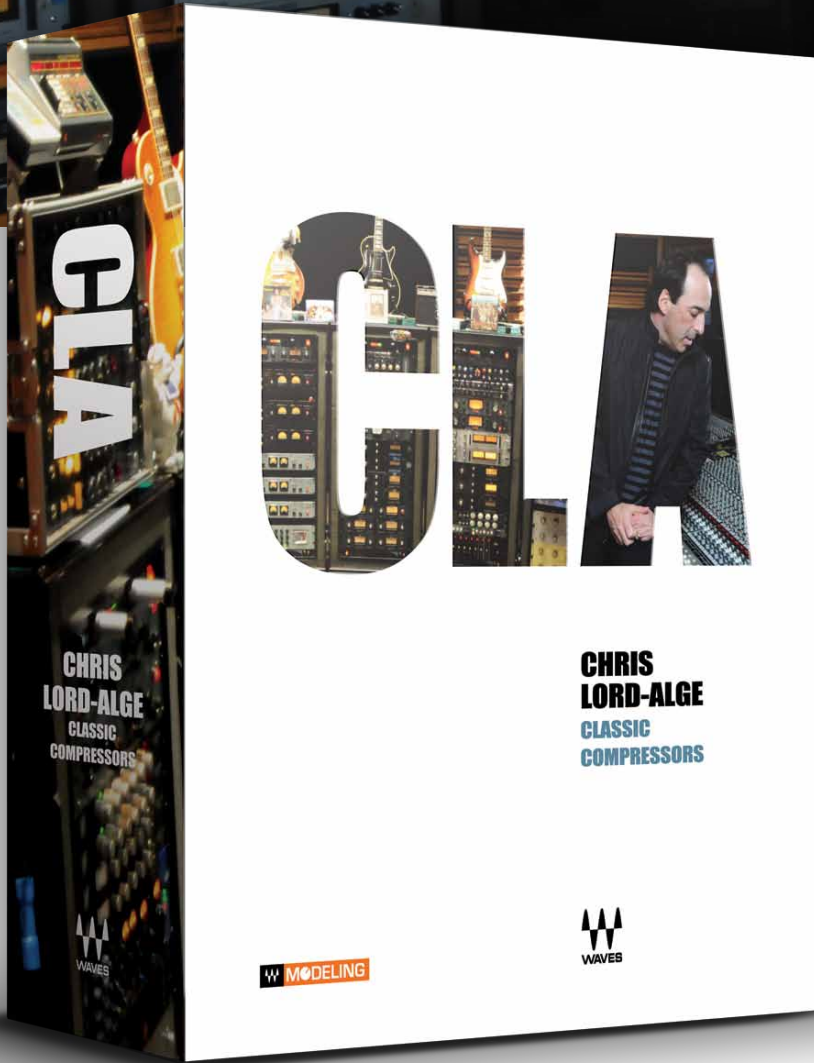
PuigTec MEQ-5

“JJP Analog Legends contains the best plugin versions I’ve heard of these old units.”

**Barry Rudolph**

Mix magazine, June 2009

# CLA CLASSIC COMPRESSORS



 **MODELING**

**CHRIS  
LORD-ALGE**  
CLASSIC  
COMPRESSORS

  
WAVES

 **MODELING**



True classics stand the test of time.

Chris Lord-Alge is a true classic. Over the course of a career spanning almost three decades, he has worked alongside many artists who are classics in their own right.

Green Day. U2. Dave Matthews Band. Tim McGraw. Brian Setzer. Peter Frampton. Tina Turner. Rod Stewart. Steve Winwood. James Brown. Grandmaster Flash & the Furious Five. And many others.

Now, Waves and Chris Lord-Alge join forces to bring you impeccable models of four compressors considered true classics by audio engineers the world over.



CLA-2A



CLA-76 Bluey



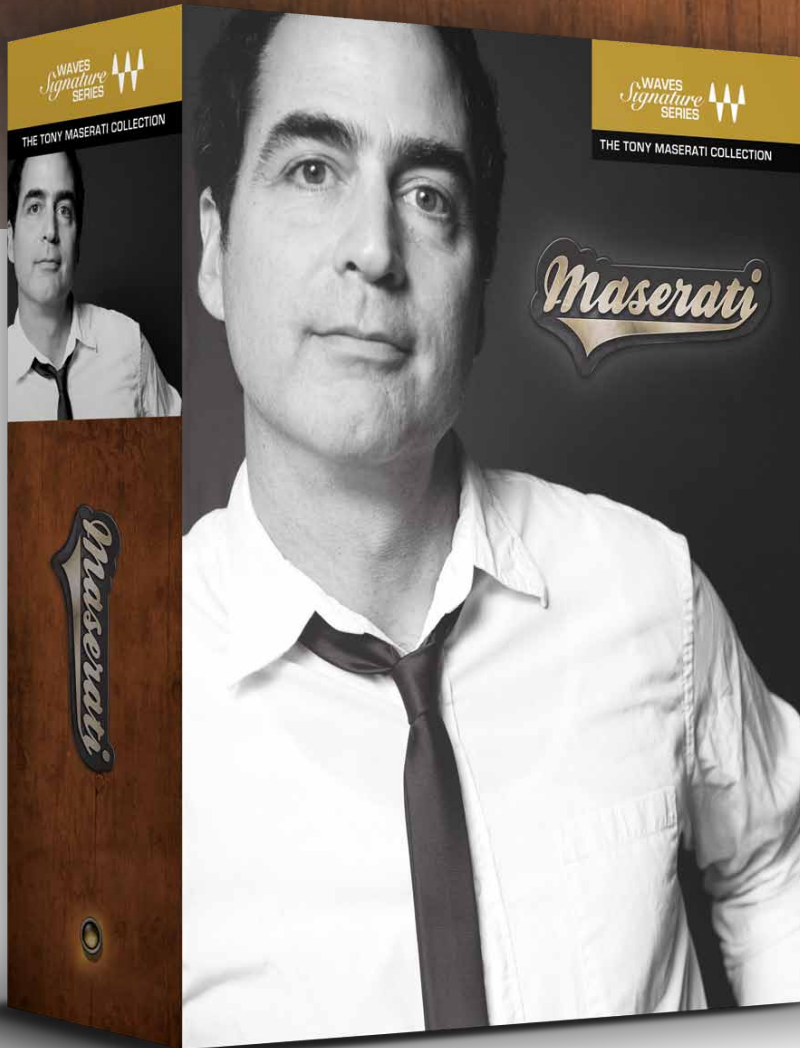
CLA-3A



CLA-76 Blacky

# THE TONY MASERATI

## ARTIST SIGNATURE COLLECTION



Seven application-specific audio plugins, created in collaboration with multi-Platinum mixing engineer **Tony Maserati**

Black Eyed Peas. Beyoncé. Usher. John Legend. Alicia Keys. Jason Mraz. Macy Grey. Mary J. Blige. Rob Thomas. Sting. David Bowie. Tupac Shakur. Notorious B.I.G. Jay-Z.

They've all turned to Tony Maserati for his magic touch. Now, you can too.

When you're ready for the hit sound, get on the fast track with Maserati's custom-built high performance processing chains.



Maserati GRP Group Channel



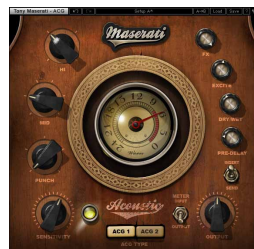
Maserati GTi Guitar Toner



Maserati VX1 Vocal Enhancer



Maserati B72  
Bass Phattener



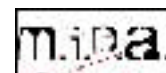
Maserati ACG  
Acoustic Guitar Designer



Maserati HMX  
Harmonics Generator

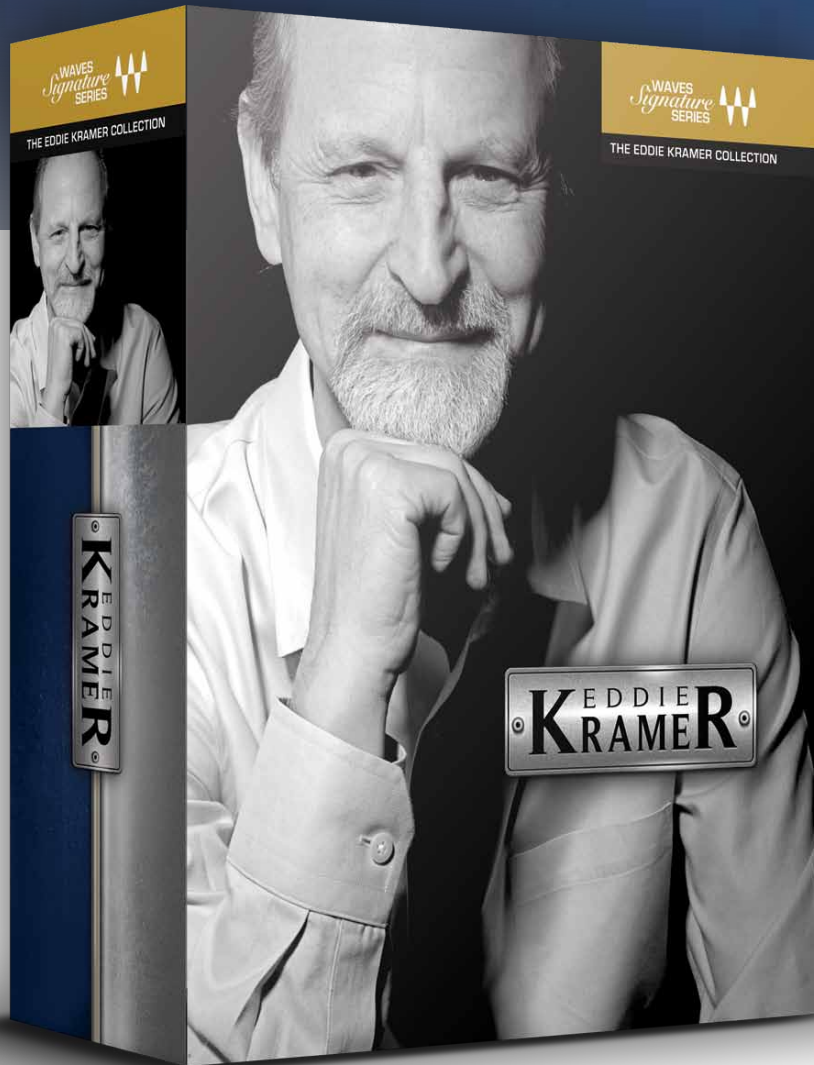


Maserati DRM Drum Slammer



# THE EDDIE KRAMER

## ARTIST SIGNATURE COLLECTION



Five application-specific audio plugins, created in collaboration with legendary producer/engineer **Eddie Kramer**

When The Beatles recorded “All You Need Is Love”, the man behind the board was **Eddie Kramer**.

When Jimi Hendrix recorded “Purple Haze”, the man behind the board was **Eddie Kramer**.

When Led Zeppelin recorded “Whole Lotta Love”, the man behind the board was **Eddie Kramer**.

When you’re ready to make some music history of your own, get Eddie Kramer behind the board.



Eddie Kramer Vocal Channel



Eddie Kramer Bass Channel



Eddie Kramer Guitar Channel



Eddie Kramer Effects Channel



Eddie Kramer Drum Channel

# THE CHRIS LORD-ALGE

ARTIST SIGNATURE COLLECTION





Six application-specific audio plugins, created in collaboration with Grammy®-winning mixing engineer **Chris Lord-Alge**

They call him Lord of the Mix.

For over 20 years, Chris Lord-Alge has been the mixing engineer of choice for rock & roll royalty.

Green Day | U2 | Nickelback | Creed | Nine Inch Nails | Foo Fighters  
Goo Goo Dolls | Alanis Morissette | Daughtry | Bon Jovi | Avril Lavigne  
Snow Patrol | Hoobastank | Lifehouse | Sum 41 | Pink  
Dave Matthews Band | All American Rejects | My Chemical Romance  
Santana | AFI | Rise Against | P.O.D. | Paramore | The Calling | Fastball  
and countless others.



CLA Drums



CLA Bass



CLA Guitars



CLA Effects

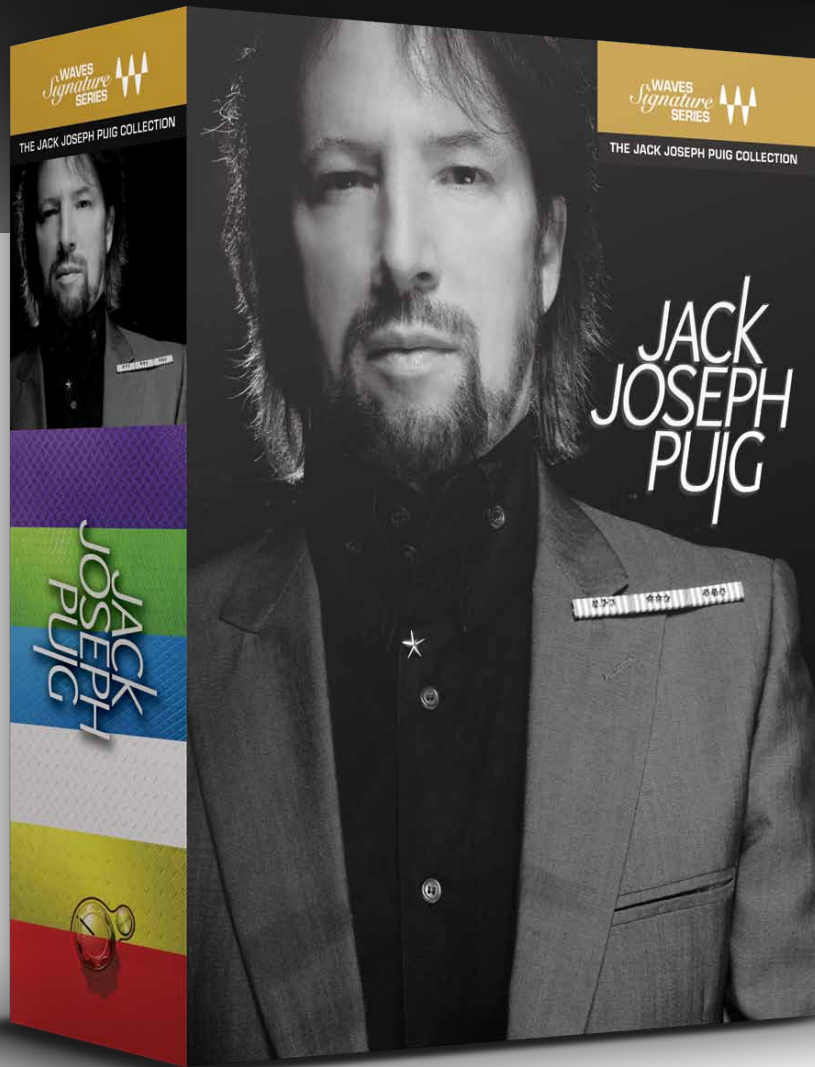


CLA Unplugged



CLA Vocals

# THE JACK JOSEPH PUIG ARTIST SIGNATURE COLLECTION



Six application-specific audio plugins, created in collaboration with iconic Grammy®-winning producer/engineer **Jack Joseph Puig**

From U2 to Pussycat Dolls, from Mary J. Blige to Black Eyed Peas, from Snow Patrol and Counting Crows to Sheryl Crow and Jellyfish, from Goo Goo Dolls and Panic at the Disco! to Beck and The Rolling Stones, from John Mayer and Keith Urban to Green Day and Lady Gaga...

Iconic Grammy®-winning producer/engineer Jack Joseph Puig and his personal palette of tones, shades, and hues have illuminated and empowered a kaleidoscope of projects that have spanned commercial record making. His vivid and vibrant productions have defined and redefined the sound of contemporary pop, rock, country, and urban music, time and time again.



JJP Cymbals & Percussion



JJP Bass



JJP Guitars



JJP Drums

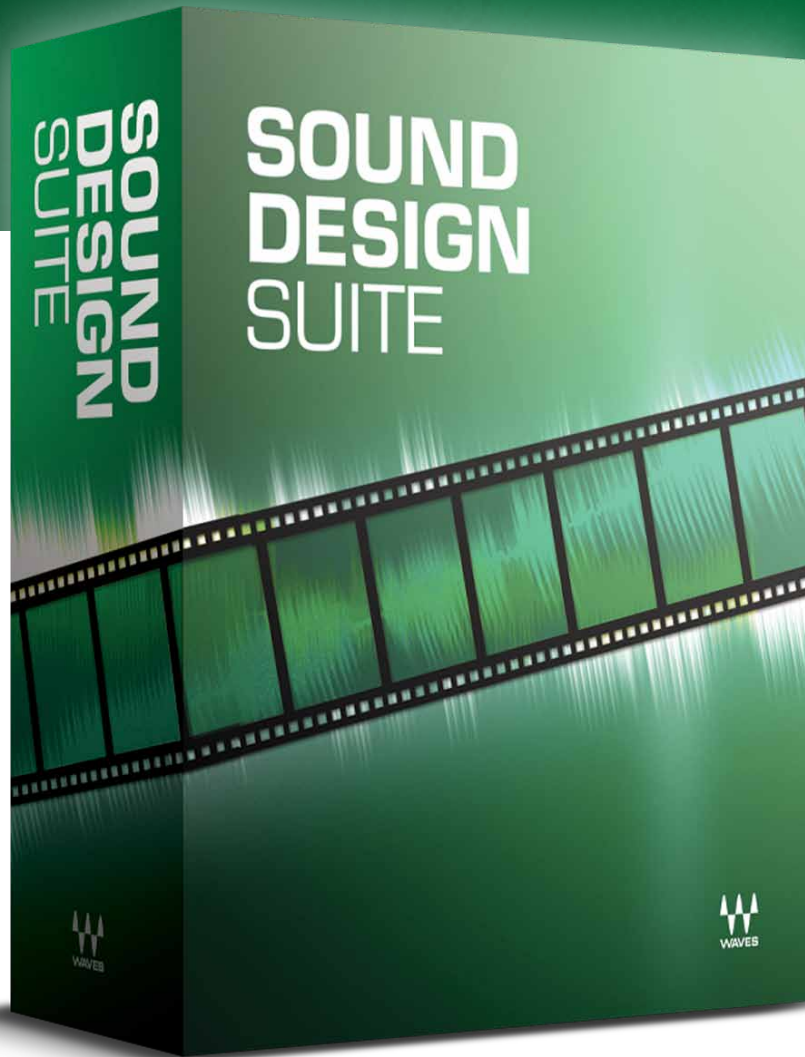


JJP Vocals



JJP Strings & Keys

# SOUND DESIGN SUITE



With over 30 plugins hand-picked especially for sound designers and post production facilities, the Waves Sound Design Suite is a comprehensive and cost-effective collection of audio plugins that provides all the essentials—without breaking the bank. And to be sure we included the perfect plugins for sound design, Waves worked closely with two of the hardest-working pros in the business: movie maven Scott Martin Gershin (*Star Trek, Hellboy 2, Chronicles of Riddick, American Beauty*) and game guru Charles Deenen (*Need for Speed, Fast & Furious 1 and 2*).

From conventional effects to creative sonic textures, Sound Design Suite covers all your bases. With compression, EQ, pitch shifting, level maximization, and more, you get everything need to mold, modulate, and mangle your sound.

If you've been looking for an all-in-one, off-the-shelf audio processing solution, Sound Design Suite is it—no more mixing and matching plugins from different bundles.

Whether you work in TV, movies, or games, the Waves Sound Design Suite gives you essential sound-shaping tools, for endless sound design possibilities.

- C4 Multiband Compressor
- DeEsser
- Doppler
- Trans-X
- UltraPitch
- Doubler
- Enigma
- GTR3 Software
- H-Comp
- H-Delay

- L1 Ultramaximizer
- L2 Ultramaximizer
- L3 Ultramaximizer
- L3-LL Ultramaximizer
- LoAir
- Linear Phase EQ
- Linear Phase Multiband
- MetaFlanger
- MondoMod
- Morphoder

- PAZ Analyzer
- PS22 Stereo Maker (*TDM only*)
- Q10 Paragraphic Equalizer
- Renaissance Axx
- Renaissance Bass
- Renaissance Compressor
- Renaissance EQ
- S1 Stereo Imager
- SoundShifter
- SuperTap

# VIDEO SOUND SUITE

Professional video editors know that first impressions are lasting impressions. With producers and clients focused on every frame, even your rough cuts have to win them over. That means when you hit play, what comes out of your speakers has to be every bit as good as what's up on the screen.

With the Waves Video Sound Suite of audio plugins, now you can sound as good as you look, quickly and easily. Using the same plugins as the industry's leading movie and game audio professionals, you can do it all: Reduce noise. Clean up and enhance dialog. Smooth out and maximize volume. Re-create room acoustics and more.

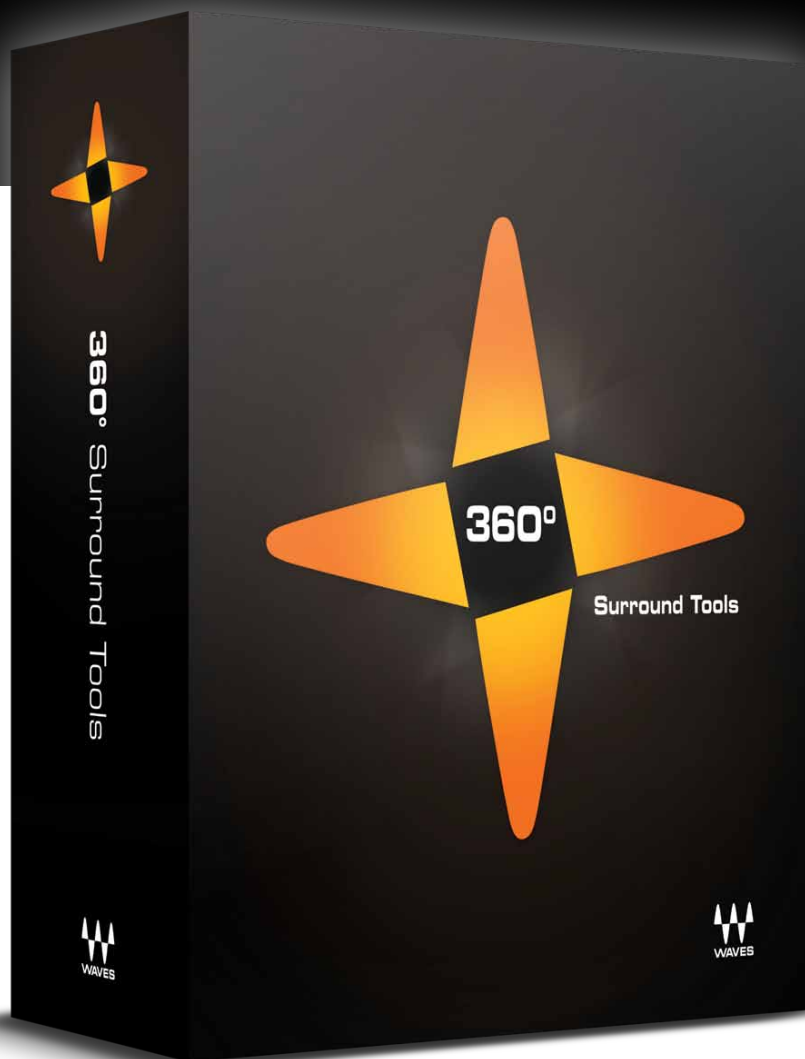


Video Sound Suite integrates seamlessly into Avid Media Composer 5, Apple Soundtrack Pro, and Sony Vegas. Because they're real-time plugins, it's no longer necessary to render or create new files for every audio adjustment, and making audio changes weeks or months later is a breeze.

- Renaissance Compressor
- W43 Noise Reduction Plugin
- IR-L Reverb
- Q10 Equalizer
- DeEsser
- L1 Limiter

# 360° SURROUND TOOLS

When sound engineers for major motion pictures need a comprehensive set of processors for mixing 5.1 Surround sound, they turn to Waves 360° Surround Tools. Conceived and created especially for Surround production, 360° Surround Tools includes compression, limiting, reverb, spatial enhancement, and much more. For the creation of sophisticated, accurate Surround mixes for today's multi-channel listening environments, absolutely nothing compares.



- C360 Surround Compressor
- L360 Surround Limiter
- LFE360 Low Pass Filter
- IDR360 Surround Bit Re-Quantizer
- R360 Surround Reverb
- M360 Surround Mixdown
- M360 Surround Manager
- S360 Surround Imager
- S360 Surround Panner
- MV360°
- UM225 / UM226
- Dorrough Surround Meters
- Dorrough Stereo Meters
- LoAir

# MASTERS

Your tracking is complete and your mixes are good to go. Now let Masters give your recording that competitive edge. With linear phase filters for breathtaking transparency and Waves IDR™ Increased Digital Resolution, you're guaranteed maximum sound, translucent and clear.

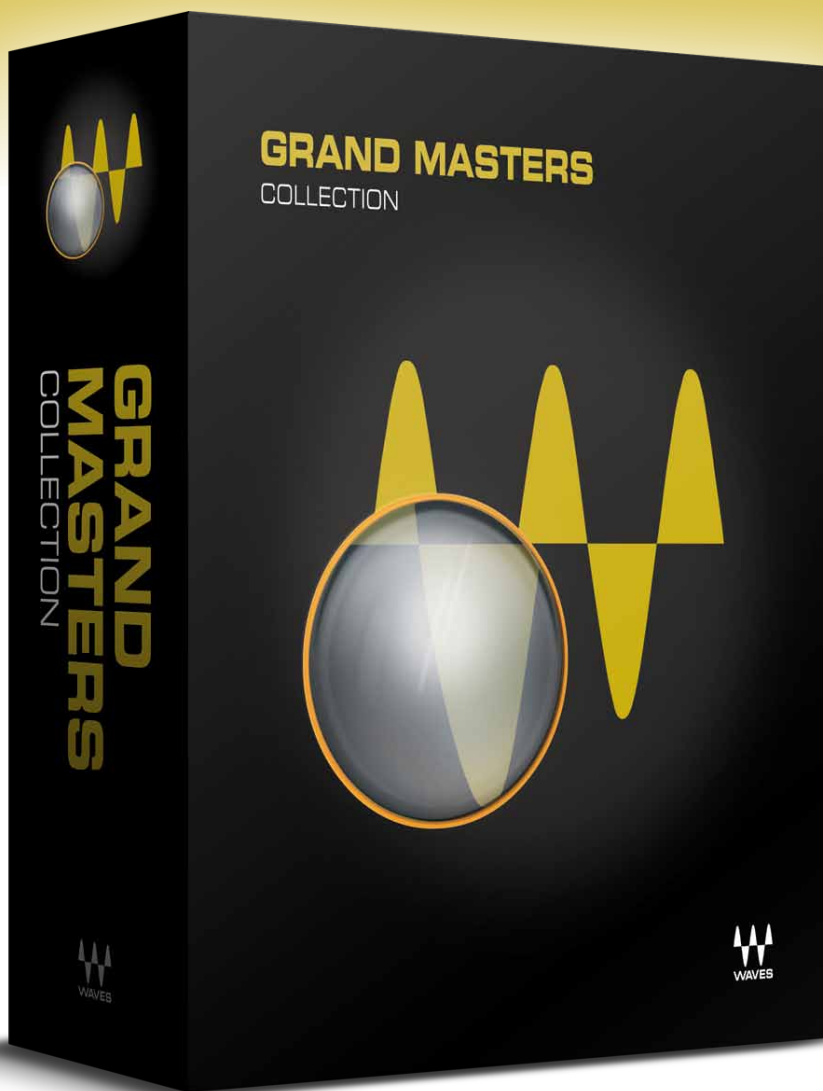


- Linear Phase Equalizer
- Linear Phase Multiband
- L2 Ultramaximizer



# GRAND MASTERS

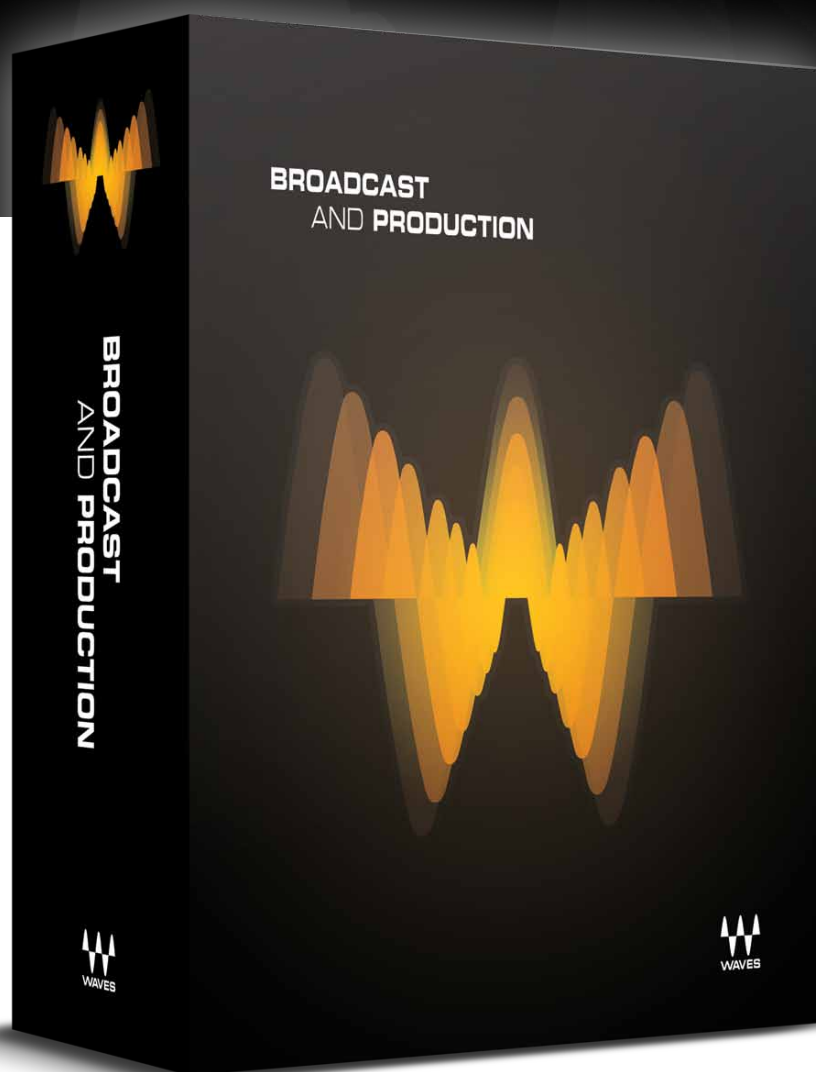
Grand Masters is a complete set of precision processors that give you the mastering muscle you need for subtle or surgical manipulation of your mixes. Including the complete Masters bundle (L2, LinEQ, LinMB) plus ten new plugins, the Grand Masters expands upon the legacy of the original, delivering the world's first truly all-inclusive mastering toolset in one collection.



- Linear Phase Equalizer
- Linear Phase Multiband
- L3-16 Multimaximizer
- L3 Multimaximizer
- L3 Ultramaximizer
- L3-LL Multimaximize
- L3-LL Ultramaximizer
- L2 Ultramaximizer
- MaxxVolume
- PuigTec EQP-1A
- PuigTec MEQ-5
- Waves Dorrrough Stereo Meters
- Waves Center

# BROADCAST & PRODUCTION

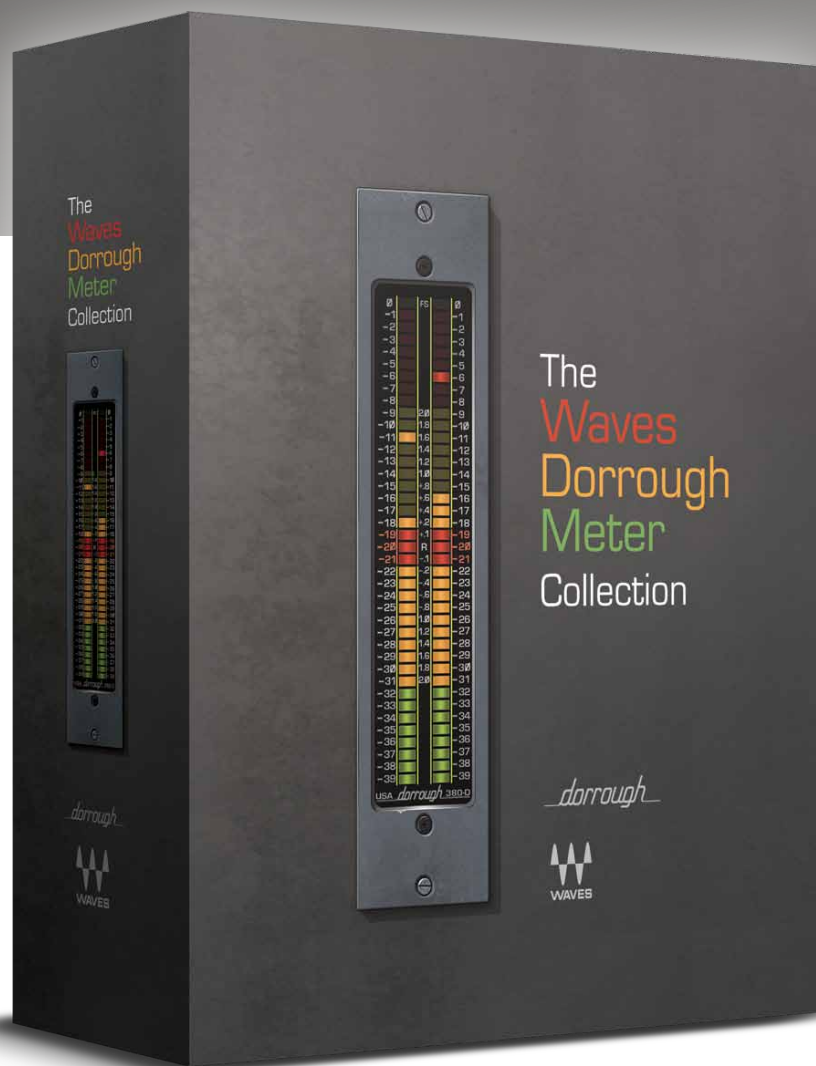
From major television networks to Hollywood soundstages, Broadcast & Production is the collection audio professionals turn to when they want to give their projects the finishing touches of power and perfection. With 21 state-of-the-art plugins for audio restoration, mixing, mastering, and more, B&P gives you the processing power you need to take it to the airwaves.



- L2 Ultramaximizer
- Linear Phase Equalizer
- Linear Phase MultiBand
- Doubler
- IR-L Convolution Reverb
- Renaissance Axx
- Renaissance Bass
- Renaissance Channel
- Renaissance Compressor
- Renaissance DeEsser
- Renaissance Equalizer
- Renaissance Reverb
- Renaissance Vox
- Waves Tune LT
- S1 Stereo Imager
- MV2
- X-Click
- X-Crackle
- X-Hum
- X-Noise
- Z-Noise

# THE WAVES DORROUGH METER COLLECTION

The Waves Dorrough Meter Collection features models of Dorrough's most popular loudness meters: 280D/240D, 380D/340D, and 40AES/EBU. Developed in association with Dorrough Electronics, they provide precision loudness monitoring for every conceivable audio scenario. As Input Meters to attain optimal recording levels, as Group/Auxiliary Meters to achieve optimal group loudness, or as Master Output meters, the Waves Dorrough Meters do it all.



Available in both Stereo and Surround editions, Waves Dorrough Meters display both average and peak levels and in a single readout, making them the only meters which actually let you see the density of your sound.

# L3 MULTIMAXIMIZER

When leading mastering engineers work their magic, they need to maximize levels and enhance frequency response, all the while remaining faithful to their source material. That's why the L3 Multimaximizer is an indispensable tool in mastering rooms around the globe.

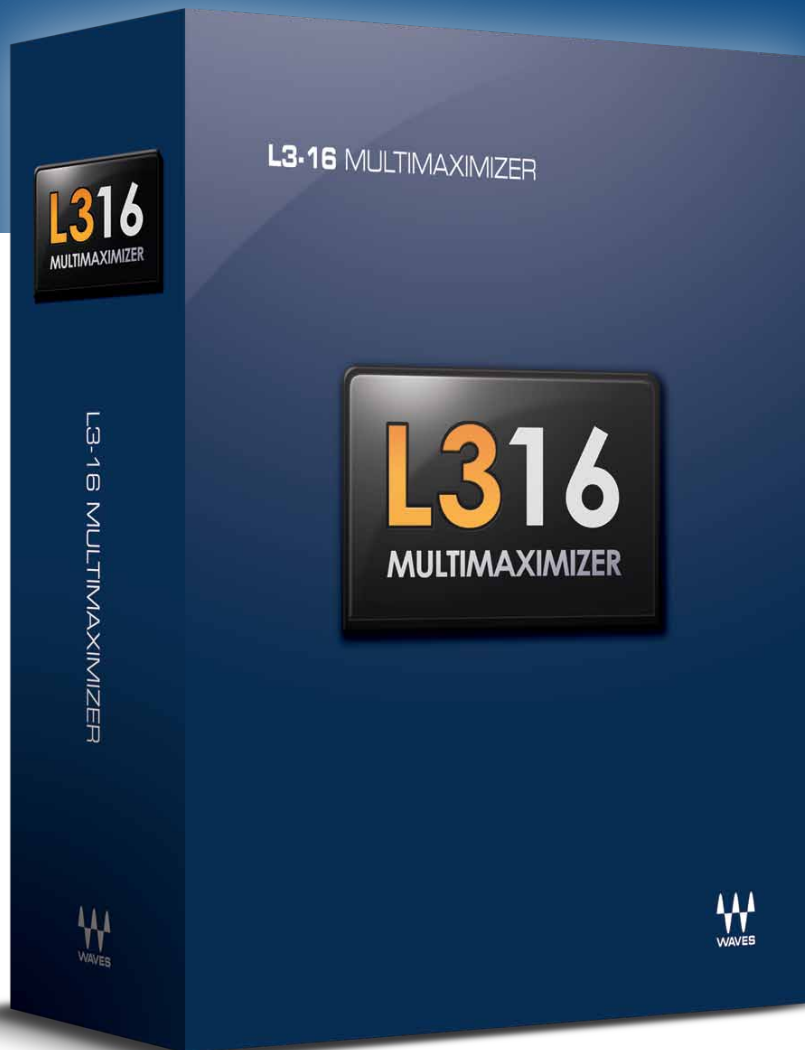


The world's first auto-summing multiband limiter for all-in-one mastering, the L3 maximizes your sound with greater precision and transparency than any plugin of its kind.

- L3 Ultramaximizer
- L3 Multimaximizer
- L3-LL Multimaximizer
- L3-LL Ultramaximizer

# L3-16 MULTIMAXIMIZER

Waves is pleased to present the most advanced member of our acclaimed family of L-Series limiters, the 16-band L3-16 Multimaximizer. With EQ, limiting, maximization, and a variety of sonic flavors ranging from analog warm to digital cool, all-in-one mastering has never sounded so good.



45

Powered by Waves patented PLMixer™ Peak Limiting Mixer technology, the L3-16 delivers unparalleled loudness with unprecedented control. No matter what genre, no matter what sound, with the L3-16, you'll stand out from the crowd, loud and clear.

- L3-16 Multimaximizer
- L3-LL Multimaximizer
- L3-LL Ultramaximizer
- L3 Multimaximizer
- L3 Ultramaximizer

# RESTORATION

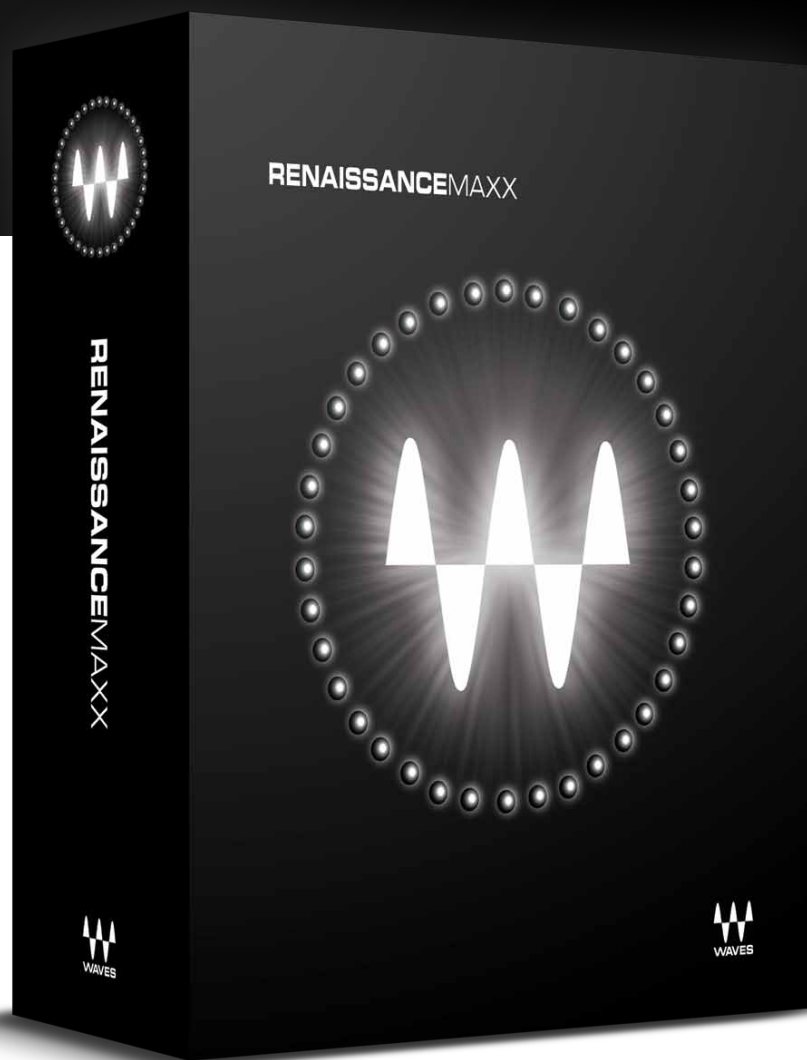
With five intuitive state-of-the-art noise reduction tools, Restoration includes everything you need to revive damaged recordings. Whether you are working in post production, rejuvenating old vinyl and shellac discs, protecting archival and field recordings, or fixing deteriorating film and television soundtracks, Restoration is your all-in-one audio cleaning solution.



- Z-Noise
- X-Noise
- X-Hum
- X-Click
- X-Crackle

# RENAISSANCE MAXX

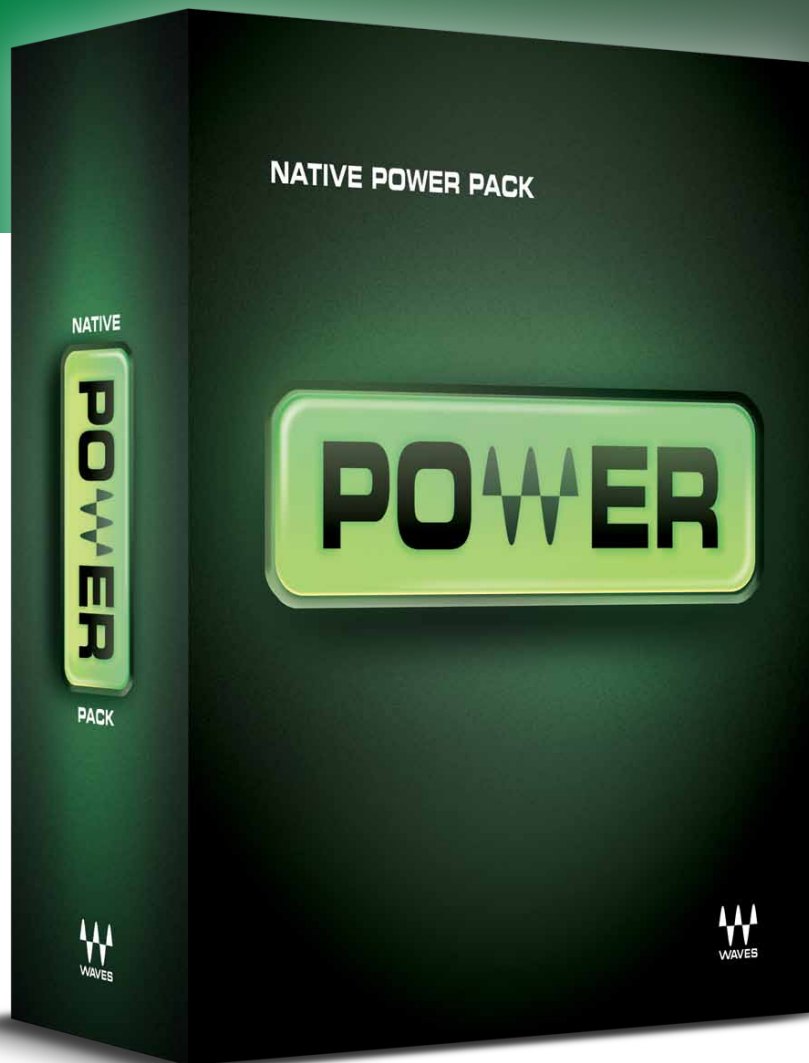
In the digital production environment, rich, warm sound is the holy grail. Renaissance Maxx delivers the warmth of vintage analog hardware with the flexibility and precision control of digital software. This is the classic Waves sound, heard on countless hit records and major motion pictures worldwide.



- Renaissance Axx
- Renaissance Bass
- Renaissance Channel
- Renaissance Compressor
- Renaissance DeEsser
- Renaissance Equalizer
- Renaissance Reverb
- Renaissance Vox
- IR-L Convolution Reverb
- Waves Tune LT

# NATIVE POWER PACK

With everything from reverb, delay, and equalization to compression, limiting, and level maximization, Native Power Pack is a perfect introduction to the Waves experience. Whether you are just getting started or you are expanding your production palette, NPP gives you the processing power you and your mixes just can't do without.



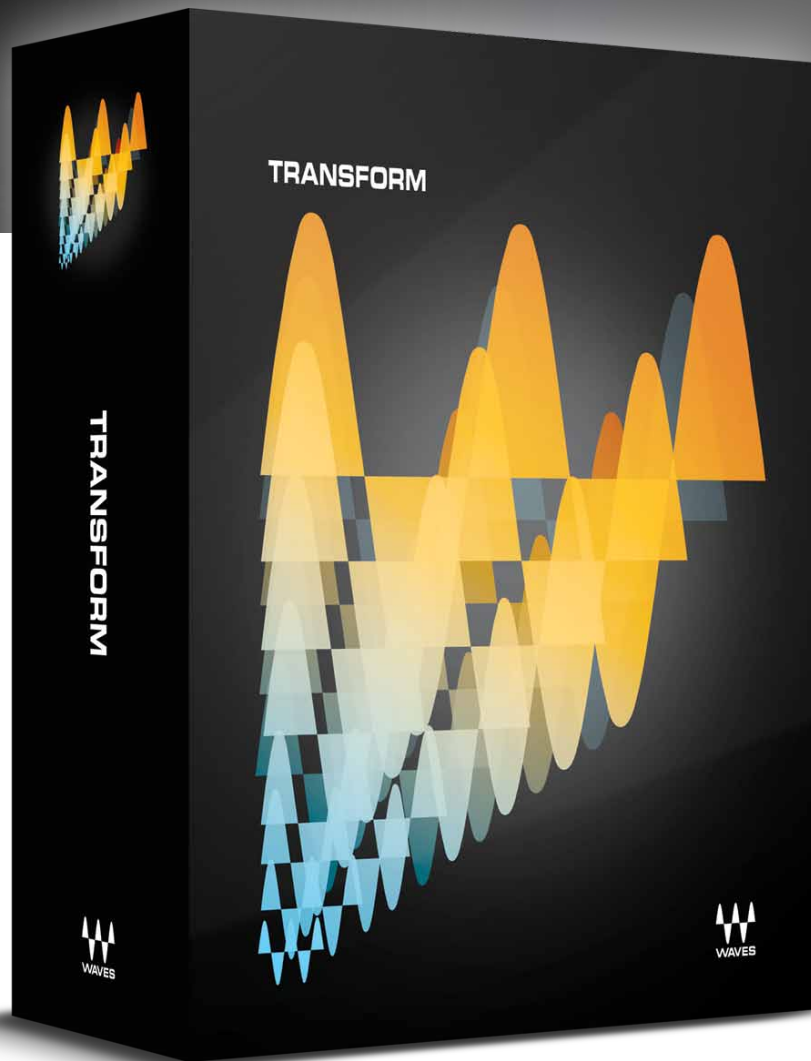
- TrueVerb
- L1 Ultramaximizer
- Q10 Paragraphic Equalizer
- C1 Compressor / Expander
- IR-L Convolution Reverb
- SuperTap
- Doubler
- DeEsser
- S1 Stereo Imager
- Renaissance Axx



# TRANSFORM

You want to push the envelope. Take creative control. And twist your sound inside out like never before. You need Transform, five state-of-the-art processors that let you stretch and manipulate time, pitch, dimension, and punch.

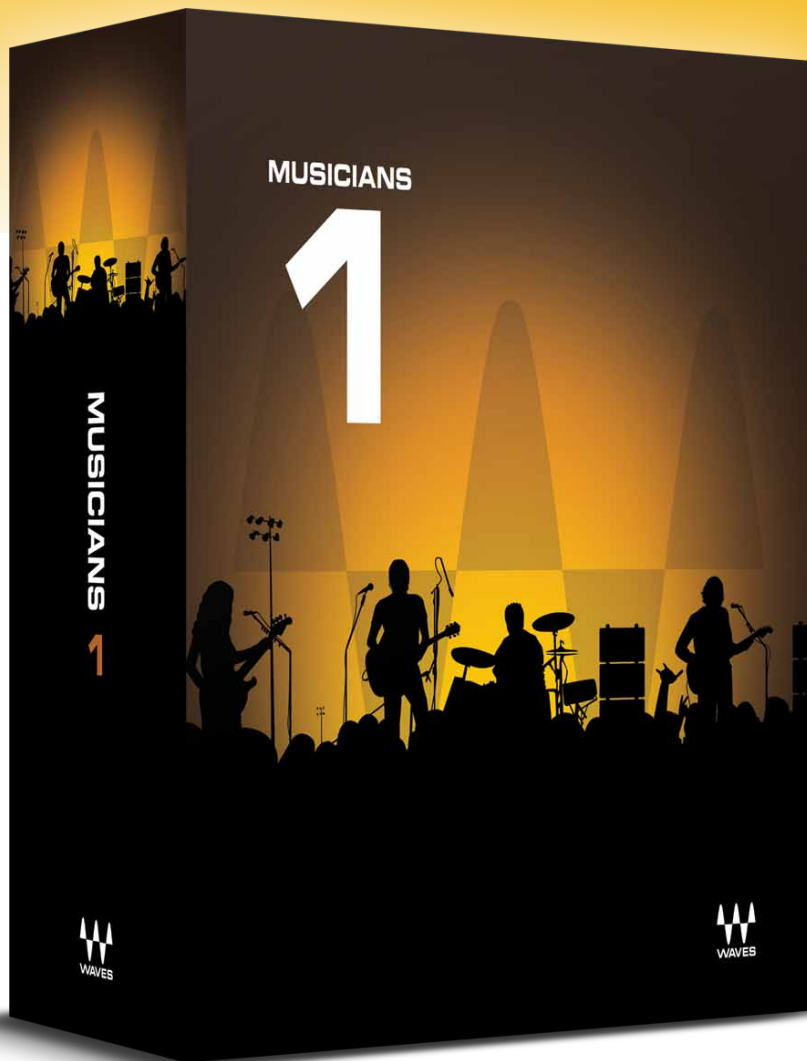
Get ready for sonic metamorphosis. Get ready for Transform.



- Trans-X
- SoundShifter
- Morphoder
- Doubler
- Renaissance Axx

# MUSICIANS 1

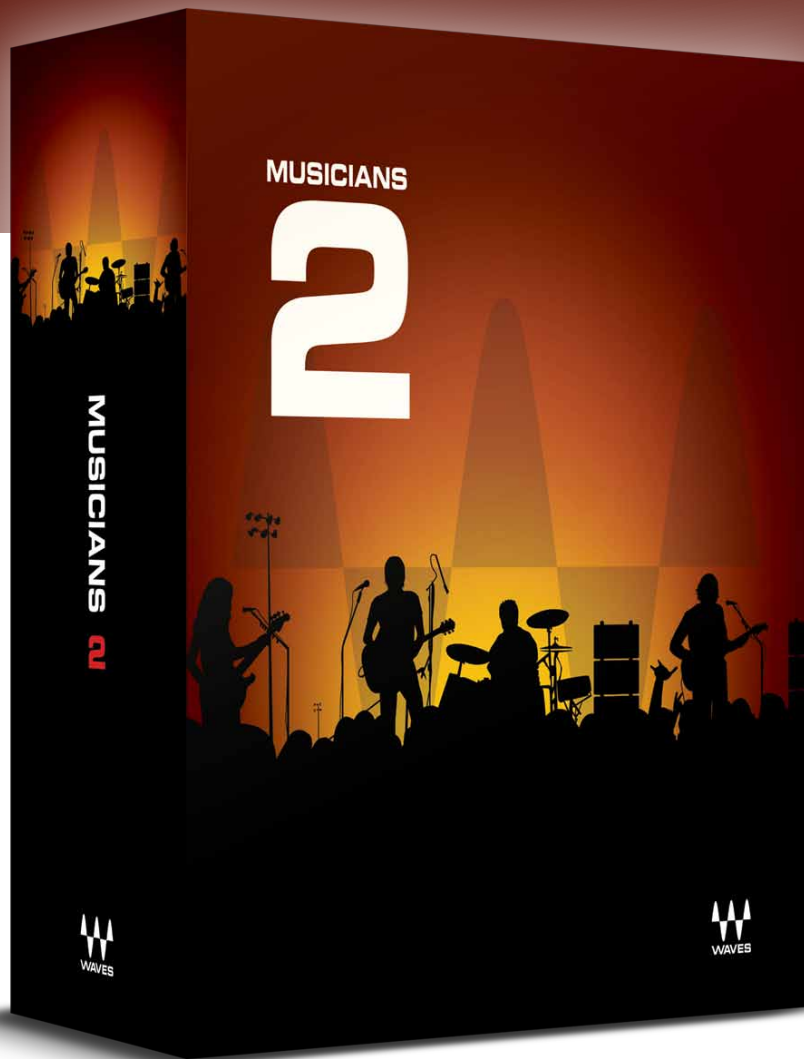
What makes a hit sound so good? If it's on the Billboard charts, chances are it was tracked, mixed, and mastered using Waves. Musicians 1 is an outstanding collection containing several of our most coveted processors. Look at what you get: delay, chorus, phasing, flanging, compression, gating, limiting, double-tracking, level maximization, and more. Let Musicians 1 open your ears to new worlds of sound.



- SuperTap
- MetaFlanger
- Doubler
- Renaissance Axx
- Renaissance Vox

# MUSICIANS 2

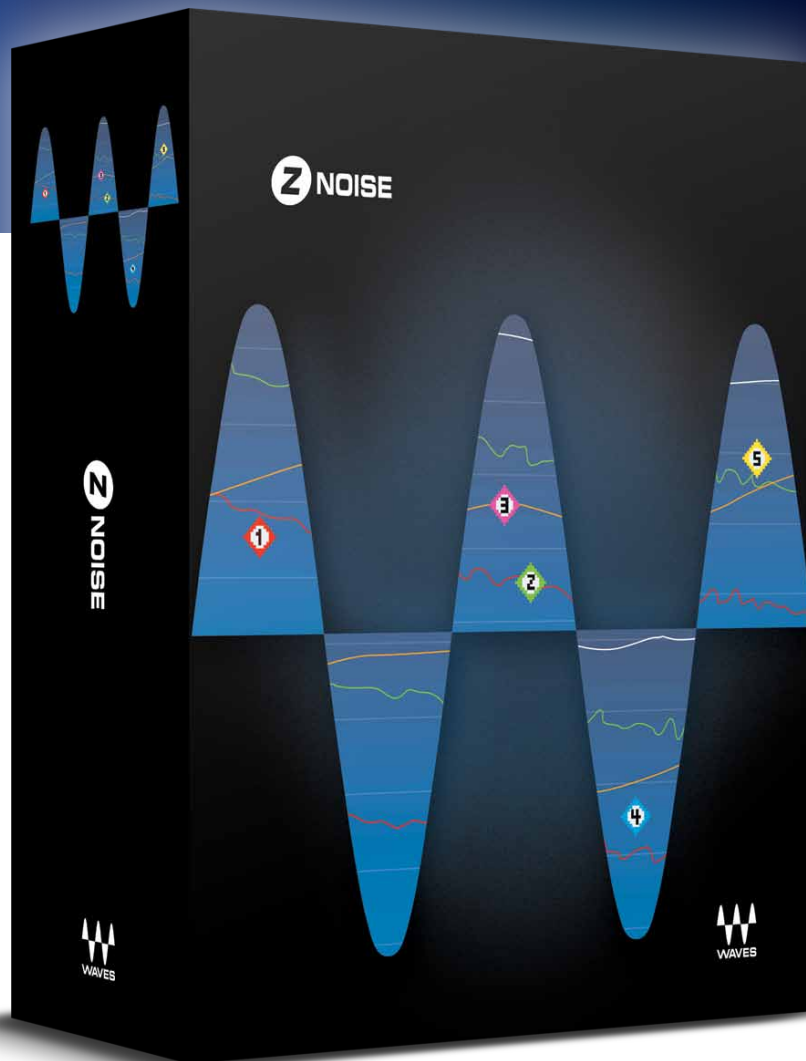
When the world's top producers, engineers, sound designers, and recording artists need perfect sound, they turn to Waves for all their mixing, and mastering needs. Now, you can too—with Musicians 2. Including our popular Renaissance EQ and Renaissance Compressor plus delay, doubling, and more, Musicians 2 gives you a tremendous amount of bang for the buck.



- Renaissance Equalizer
- Renaissance Axx
- Renaissance Vox
- Renaissance Compressor
- Doubler
- SuperTap

# Z-NOISE

Hiss happens. So does ground hum, computer noise, and any number of unwanted sonic artifacts. Bring on Z-Noise, and hear them disappear. Featuring real-time noise profiling, innovative transient preservation, and increased low-frequency resolution, Z-Noise truly is a revolution in noise reduction.



• Z-Nose

# VOCAL

Ask any producer or engineer. They'll tell you the most important part of any record is the vocal. It's got to be powerful. It's got to be commanding. It's got to be just right. Waves Vocal bundle is the ultimate vocal toolkit, made up of 5 powerful plugins, including Waves Tune for pitch correction and transformation, and DeBreath, which removes unwanted breath sounds—automatically.



- Waves Tune
- DeBreath
- Renaissance Channel
- Renaissance DeEsser
- Renaissance Axx
- Doubler

# IR1

IR1 Convolution Reverb puts the meticulously captured acoustics of the world's greatest venues at your fingertips: Halls, auditoriums, nightclubs, and more, like Wembley Arena, the Grand Ole Opry, Sydney Opera House, and Birdland, to name but a few. You can even capture the sound of your favorite rooms and hardware units, and tweak the reverb with pinpoint precision. With the IR1 bundle, which also includes the IR-L, it's never been easier to re-create the sonic signature of your choice.



- IR1 Convolution Reverb
- IR-L Convolution Reverb

# IR360

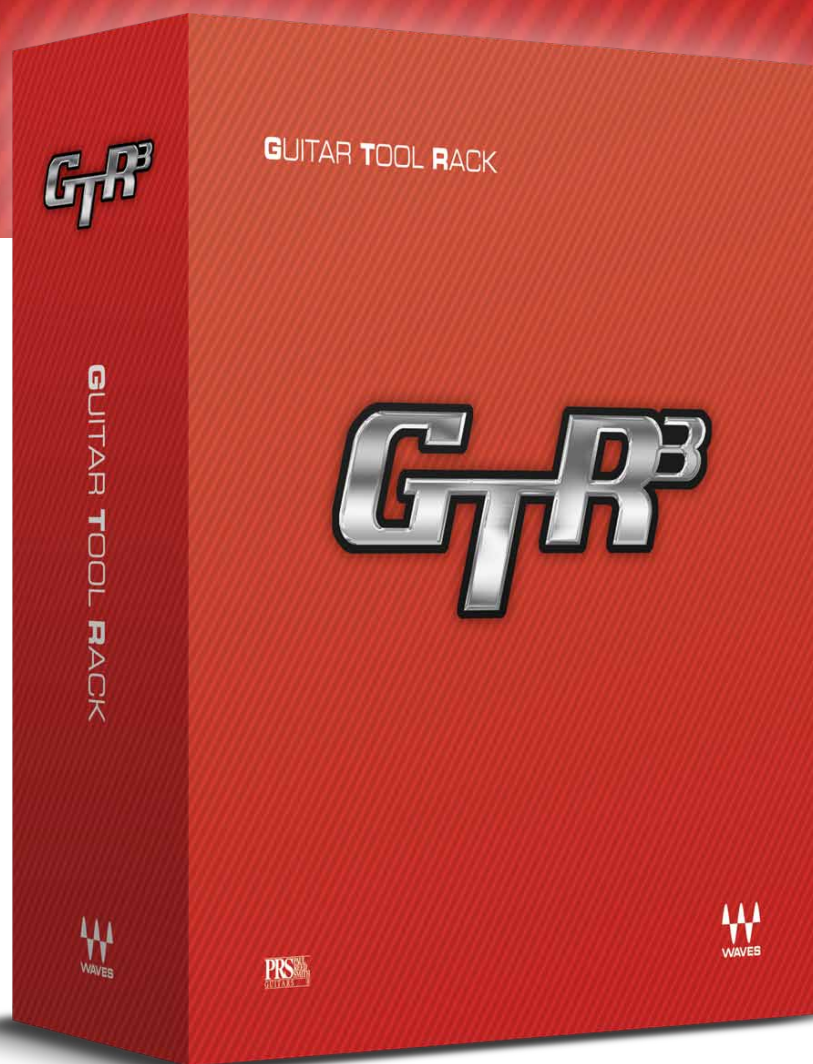
When leading Hollywood audio engineers need the ultimate in 5.1 spatial emulation for major motion pictures, they choose the IR360 Surround Convolution Reverb. And because it's powered by cutting-edge impulse response technology, IR360 delivers amazingly realistic re-creations of the world's greatest venues, with precision controls for maximum flexibility. In fact, with the IR360, it's not just like "being there"; it's better than being there!



- IR360 Surround Convolution Reverb
- IR1 Convolution Reverb
- IR-L Convolution Reverb

# GTR3

Waves captured the finest vintage and contemporary amps from Fender®, Marshall®, Mesa/Boogie®, Vox®, and more, using revolutionary sampling techniques that go way beyond standard modeling. The result is the most amazing guitar tones you will ever hear coming out of your computer. And with GTR3's host-free Standalone ToolRack, all you need to do is plug in...and play!



Whether you're laying down tracks in the studio or playing live onstage, GTR3 is the only guitar processor you'll ever need. Native or TDM, Mac or PC, with or without a host, anytime, anywhere, you're ready to rock.

- 25 Guitar Amps
- 7 Bass Amps
- 29 Cabs
- 26 Stomps
- Multiple Mics and Mic Settings
- Custom Hardware Interface
- Realistic Dynamic Response
- Expert Presets and FX Chains
- Sync-to-Host BPM Effects
- Drag-and-Drop Simplicity
- Real-Time MIDI Control
- Standalone or DAW Ready

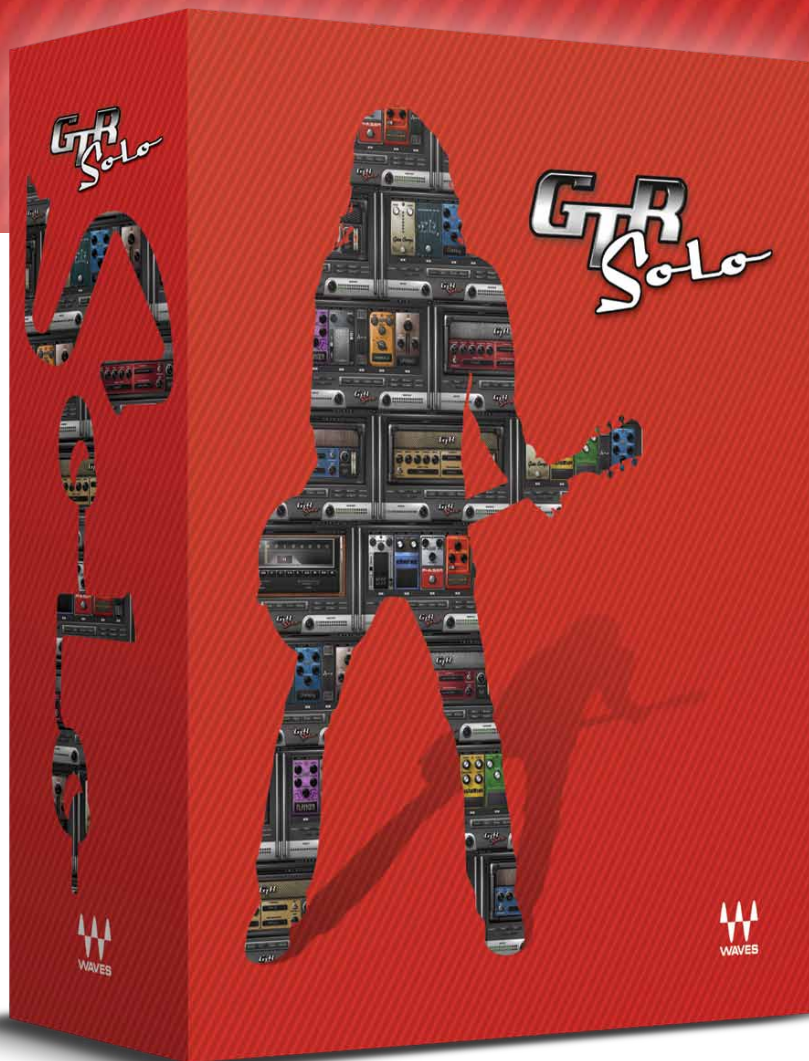




"...a perfect combination of great sounds and practicality."  
**Guitarist magazine**, November 2005

# GTR SOLO

GTR Solo delivers the sound of real amps, cabs, stumps, and mics—in your computer. Just plug in, fire it up, and experience precision models of amplifiers by Fender®, Marshall®, Vox® and others. Then take it to the next level with awesome distortion, modulation, and ambient effects. These are the same GTR sounds top guitarists, producers, and engineers are using on their most important tracks.



Your guitar.  
Your computer.  
And GTR Solo.  
It's all you need  
to take the lead.

- 10 Amps
- 13 Stumps
- 10 Cabinets

# PLUGINS

# API 550A 3-Band Equalizer



Modeled on the late 1960's legend, the API 550A EQ provides reciprocal equalization at 15 points in 5 steps of boost divided into three overlapping ranges. The high and low frequency ranges are individually selectable as either peaking or shelving, and a band-pass filter can be inserted independently of all other settings. The 550A is a uniquely powerful equalizer with that one-of-a-kind API sound.

- 5 selected frequency centers per band
- Reciprocal and repeatable filtering
- Maximum 12 dB of boost/cut per band in 2-3 dB steps
- "Proportional Q" narrows filter Q at extremes
- High headroom +30 dB clip level
- Up to 24bit, 192kHz resolution (TDM 24/96 only)
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# API 550B 4-Band Equalizer



Featuring four overlapped EQ bands, the API 550B is invaluable as both a problem solver and a sweetening device. With 7 switchable filter frequencies spanning up to 5 octaves per band, the 550B's "Proportional Q" automatically widens the filter bandwidth at minimal settings and narrows it at higher settings. It even lets you undo previous processing, affect or even reverse tonal modifications. With its vast range of tonal possibilities, the API 550B is a versatile EQ for all your processing needs.

- 7 selected frequency centers per band
- Reciprocal and repeatable filtering
- 12 dB of boost/cut per band
- Bands 1 and 4 offer shelf/peak switching
- High headroom +30 dB clip level
- Up to 24bit, 192kHz resolution (TDM 24/96 only)
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# API 560 10-Band Graphic Equalizer



Based on the 1967 classic, the API 560 10-Band Graphic Equalizer features precision filtering and high headroom, ideal for signal enhancement and room tuning. The API 560's curve shaping potential is unmatched, while API's unique "Proportional Q" design intuitively widens the filter bandwidth at lower boost/cut levels and narrows it at higher settings. And since boost and cut characteristics are identical, previous actions can be easily undone. For precision equalization with unmatched versatility, turn to the EQ heard on top recordings for decades: the API 560.

- Familiar one octave centers
- 12 dB of boost/cut per band
- "Proportional Q" narrows filter Q at extremes
- Additional resolution in the critical  $\pm 4$  dB region
- Clip level  $> +28$  dBu
- Up to 24bit, 192kHz resolution (TDM 24/96 only)
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# API 2500 Compressor



The API 2500 is a versatile dynamics processor that lets you shape the punch and tone of mixes with absolute accuracy. Its dual channel design lets the 2500 also function as two separate mono channels via a single compression setting. Using auto-makeup gain, you can adjust Threshold or Ratio while automatically maintaining a constant output level. With both “feed back” and “feed forward” compression types, the API 2500 boasts a wide range of incredibly musical parameters which have made it a favorite of engineers the world over.

- Switchable 3-position Thrust high-pass filter
- Variable link left and right channels
- 3 Variable link filter types
- 3 Compression modes: soft, medium and hard knee
- 6 Release settings: 5 fixed, 1 continuous
- Up to 24bit, 192kHz resolution (TDM 24/96 only)
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# AUDIOTRACK

AudioTrack gives you the power of three complete Waves processors in one, easy-to-use plugin. With equalization, gating, and compression, it's ideal for multimedia, voiceovers, project studios, and more.



- Peak reference compression with automatic gain compensation
- Double precision bit resolution processing
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# C1 COMPRESSOR / EXPANDER



With compression, expansion, gating, and equalization, the C1 is a true production workhorse, featuring three independent modules which can be used separately or combined for maximum flexibility.

- 3 Plugin Modules: Compressor/Expander, Gate/Expander, Filter/EQ
- Split-band dynamics
- Internal side-chaining
- External side-chaining (Pro Tools only)
- Look-ahead feature for precision transient processing
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

“One of the most flexible compressors on the plugin market.”

**Snake Newton**

Engineer

*Robbie Williams, Craig David*

# C4 MULTIBAND COMPRESSOR

A multiband dynamics processing powerhouse, the C4 does it all: Four bands of up and down expansion, limiting, and compression, plus dynamic and standard EQ. Combining technologies from our acclaimed Renaissance Compressor and the powerful C1 Parametric Compander, the C4 gives you unprecedented control over the contours of your tracks, with maximum clarity and transparency.



“A secret weapon for dynamics. It’s like having all the Renaissance EQs and dynamics processors onboard.”

**Mike Hedges**  
Producer/Engineer  
*The Cure, U2*

- Sculpt vocal frequency and dynamic response with pinpoint precision
- Control, compress, and accentuate different parts of drum kits
- Shape mixes dynamically using frequency-based compression and expansion
- 4 parametric bands
- ARC™ auto release control
- Double precision bit resolution processing
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# C6 MULTIBAND COMPRESSOR

For years, the C4 has been a favorite of studio engineers the world over, and in live sound, it's quickly become a must-have for front-of-house and monitor professionals as well. To create the C6, we took the tried-and-true functions of the C4, and added two additional floating bands plus a sidechain feature, for one-stop vocal and instrument shaping. Equally at home in the studio, live, and in post production, the C6 lets you zero in on problem frequencies with surgical precision.



Perfect for de-essing and de-popping in the studio or onstage, the C6 gives you all the multiband compression and dynamic equalization you need to control, tame, and shape your sound.

“Love it! It’s my new go-to plugin.”

**Dave Aude**

Producer/Remixer

*Lady Gaga, Beyoncé, Katy Perry*

- Internal/external sidechain per band
- Individual band Listen mode
- Four crossover bands plus two floating bands
- Dynamic EQ, compression & expansion
- Double precision bit resolution processing
- ARC™ Auto Release Control
- Up to 24bit, 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# CENTER

Ideal for final mixes and mastering, Waves Center is an innovative processor that separates phantom Center content from Side (L/R) content. With Center, you can zero in on the phantom center and bring out or bring down the vocals without affecting everything else. Perfect for post-production engineers and DJs as well, Center lets you reposition, isolate, and even eliminate elements of your mix.



- Change lead vocal levels during mastering
- Add high-end sparkle to side content without affecting center information like vocal, kick, and snare
- Accentuate or tame the overheads in your drum submix
- Bring out just the kick and snare in a drum loop
- Enhance the room ambience on stereo percussion tracks
- Add punch to the kick and snare in an already mixed track
- In post production, focus dialogue captured with stereo microphones
- Lower vocals in songs for Karaoke versions
- Isolate vocals from mastered tracks for remixes, mash-ups, and more
- Up to 24bit 192kHz resolution (compressor and gate only)
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# CLA-2A COMPRESSOR

Modeled on the legendary electro-optical tube compressor, the CLA-2A emulates the original's smooth, frequency-dependent behaviors that have made it a favorite of engineers everywhere. Like the mid-'60s classic, the CLA-2A sounds great on guitars and bass, and really shines on vocals. Top it all off with Chris Lord-Alge's personal presets, and seemingly limitless instantiations, and you've got a model that surpasses its inspiration.



- Great on guitar, bass, and vocals
- Compressor and Limiter modes
- Zero latency
- Sidechain frequency filter
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# CLA-3A COMPRESSOR

Based on the early '70s solid-state unit known for its unique and highly transparent compression curve, the CLA-3A delivers the quick response and the subtle harmonic distortion for which the original is world-renowned. And just like the original, the CLA-3A is the bomb on bass, as well as on guitars and vocals. But unlike the original, you can fire up as many instances as your system can handle.



- Perfect for bass and electric guitars
- Compressor and Limiter modes
- Zero latency
- Sidechain frequency filter
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# CLA-76 COMPRESSOR

Inspired by two highly-desirable revisions of the famed mid-60s Class A line level limiting amplifier, both versions of the CLA-76 (“Blacky” and “Bluey”) offer the superfast attack (as quick as 50 microseconds!) that made the originals studio legends. With an exclusive “ALL” control that recreates the original’s explosive “All-Ratio-Buttons-In” mode, plus modeled pre-amp distortion for that extra edge, the CLA-76 delivers some of the most powerful drum sounds imaginable.



- Sounds excellent on drums
- Superfast attack
- Exclusive ALL control
- Pre-amp distortion modeling
- Zero latency
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# CLA BASS



**Chris Lord-Alge** on CLA Bass: "From sub-shaking smooth sounds to Mr. Buzzsaw, CLA Bass is just what the doctor ordered. The plugin was designed to help you lay down a solid foundation for any song. It gives you six essential effects: bass, treble, compression, sub, distortion, and chorus/flange. Whether you want it to rip, roar, growl, bark, or cut, CLA Bass delivers."



- Complete all-in-one bass processing chain created by Grammy-winning mixing engineer Chris Lord-Alge
- Mono-to-stereo and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible





# CLA DRUMS



Chris Lord-Alge on CLA Drums: "One of my favorite activities is to work on drums. When creating the CLA Drums plugin, I had one thing in mind: Anyone who uses it can get a great drum sound for any song and any mix and just have fun! There are six different modes: Kick, Snare, Toms, Overheads, Room and, of course, my favorite, Cowbell. There are three color-coded presets for bass EQ, treble EQ, compression, and reverb, plus a noise gate so you can even get rid of leakage. The faders let you control the amount of each effect and, especially important for drums, we've included a phase switch so you can find the best setting for the kit."



73



- Complete all-in-one drum processing chain created by Grammy-winning mixing engineer Chris Lord-Alge
- Mono-to-stereo and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# CLA EFFECTS



Chris Lord-Alge on CLA Effects: "CLA Effects does it all. Filtered vocal? Check. Telephone FX? Check. John Lennon "I Am the Walrus" vocal distortion? Check and double check. Multiple delays with tape phasing? You got it. Reverb, tape slap, and long echo all at once? Yes, yes, and yes. One of my favorite features is the echo throw section: Hit the throw button and add long delays to just the words you want, with one click! And to top it all off, all tempos are matched to the session BPM, cutting out all the guesswork."



- Complete all-in-one effects chain created by Grammy-winning mixing engineer Chris Lord-Alge
- Mono-to-stereo and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# CLA GUITARS



Chris Lord-Alge on CLA Guitars: "Two words describe the CLA Guitars plugin: Instant Gratification. Every time I plug in my axe, I just can't stop playing! It delivers the guitar sounds I've used on tracks from Green Day to Daughtry, quickly and easily. It's like a guitar toolbox with all the necessary combinations. The plugin features three modes—Clean, Crunch, and Heavy—with DI and Re-amping modes for each. You get three color-coded presets for the six most important effects, for the perfect blend of bass, treble, compression, reverb, delay, and chorusing/doubling."



- Complete all-in-one guitar processing chain created by Grammy-winning mixing engineer Chris Lord-Alge
- Mono-to-stereo and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# CLA UNPLUGGED



Chris Lord-Alge on CLA Unplugged: "CLA Unplugged is a dream box of reverb effects plus great hi-res EQ and compression for complex sounds. I always loved the Aerosmith 'Dream On' vocal reverb with the really long pre-delay. And I wanted a plugin that you could also put on strings, piano, acoustic guitars, and nylon guitar solos. This plugin was designed to give you limitless reverb and delay possibilities, and the smoothest EQ curve around."



- Complete all-in-one processing chain created by Grammy-winning mixing engineer Chris Lord-Alge
- Mono-to-stereo and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# CLA VOCALS



Chris Lord-Alge on CLA Vocals: "The most important part of any song is the vocals. The CLA Vocals plugin makes this part of mixing an absolute joy. I have taken the very best settings which I use in my everyday mixes and crafted them into this chain. It works great on all styles of singers and, best of all, they will want that sound every time! You also get three flavors of the top six effects you need: the right amount of bass, treble, compression, reverb, delay, and chorusing/doubling."



- Complete all-in-one vocal processing chain created by Grammy-winning mixing engineer Chris Lord-Alge
- Mono-to-stereo and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# DeBREATH

Singers insist on breathing - even when it spoils a perfectly good take! With DeBreath, you can truly take their breath away. DeBreath uses a unique algorithm that automatically detects and separates a vocal take into two distinct tracks: only voice and only breath. Now you can control how much breath you want on your vocal track, and how you want it processed. You can even add room tone where breaths have been removed or reduced. And DeBreath isn't just for singers; it's also a great time-saver for voice overs and multimedia.



- Breath and Energy display graphs
- Voice-only or Breath-only monitoring
- Up to 24bit 96kHz resolution
- Mono only
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# DeESSER

When it comes to reducing excess sibilance (“ess” and “shh” sounds) from vocal tracks, nothing compares to Waves DeEsser. Inspired by vintage gear for precision de-essing and high frequency limiting, DeEsser delivers smooth and natural output with minimum fuss.



- Sharp side-chain filters
- Wide-band or Split compression modes
- Audio or sidechain monitoring
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# DOPPLER

Explore new dimensions of sound and movement with Doppler. Create the illusion of traveling through space or the rush of a passing train. With Doppler, you control the frequency change, speed, and distance from your sonic source with pinpoint accuracy.



- Auto-detection or manual triggering
- Creative click and drag simplicity
- Energy, manual, continuous cycling and one-shot modes
- Reverb with time and brightness controls
- Up to 24bit 48kHz resolution
- Mono-to-stereo and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

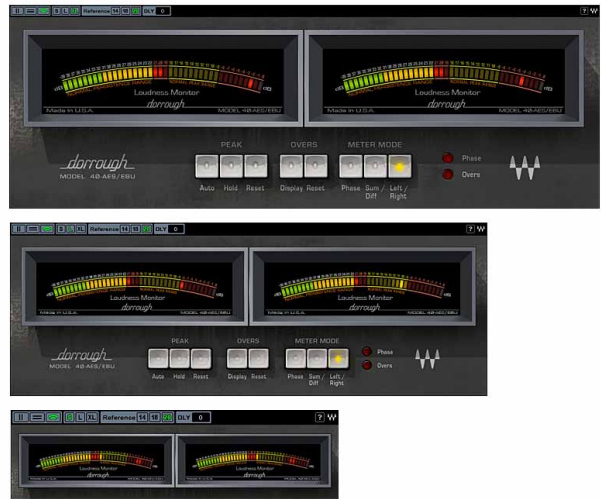


# WAVES DORROUGH STEREO METERS

The Waves Dorrrough Meter Collection features models of Dorrrough's most popular loudness meters: 280D/240D, 380D/340D, and 40AES/EBU. Developed in association with Dorrrough Electronics, they provide precision loudness monitoring for every conceivable audio scenario. As Input Meters to attain optimal recording levels, as Group/Auxiliary Meters to achieve optimal group loudness, or as Master Output meters, the Waves Dorrrough Meters do it all.

- Superfast peak response
- Sum and difference energies for optimal stereo-to-mono compatibility
- Left/right phase correlation
- Displays number of overs
- Peak and average level relations
- Three selectable styles: horizontal (280D/240D), vertical (380D/340D), and Arc (40AES/EBU)
- Three selectable sizes: extra large, large, and small
- Selectable reference levels
- Switch between display sizes and styles with the click of a mouse
- 40dB scale in 1 dB steps
- Mono & stereocomponents

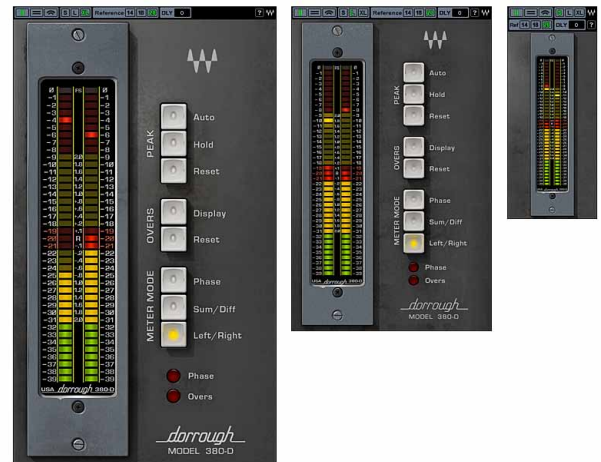
MODEL 40-AES/EBU



MODEL 280-D



MODEL 380-D

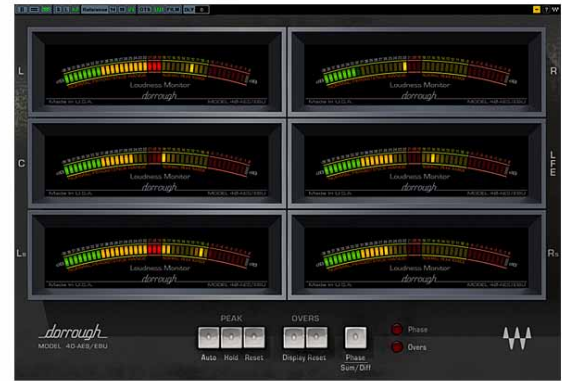


# WAVES DORROUGH SURROUND METERS

Waves Dorrrough Surround Meters includes customized meters engineered especially for Surround production environments, as well as Waves Dorrrough Stereo Meters.

Waves Dorrrough Meters display both average and peak levels and in a single readout, making them the only meters which actually let you see the density of your sound.

MODEL 40-AES/EBU



MODEL 280-D



MODEL 380-D



- Superfast Peak Response
- Displays Number of Overs
- Switch Between Display Sizes and Styles with the Click of a Mouse
- 5.0 and 5.1 Components
- 3 Modes: DTS, ITU/SMPTE, Film/Dolby Digital
- Simultaneous Sum/Diff and Phase Correlation Readouts

# DOUBLER

When professional engineers need superior double-tracking effects, they turn to Doubler. Using delay and pitch modulation, Doubler delivers extraordinary richness and texture on vocals and polyphonic instruments as well as full mixes.



83

- Easily create that '80s harmonizer effect
- Double vocals when re-tracking is not possible
- Add shimmer or presence to tracks
- Create interesting pitch-detune effects
- Add flam-like effects to drums
- Two-voice and four-voice components
- Up to 24bit 192kHz resolution (TDM 24/96 2-Voice M and M-to-S only)
- Mono, mono-to-stereo and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# ENIGMA

Twist, bend, and mangle your sound like never before with effects that go way beyond phasing and flanging. Enigma uses a unique combination of filters, short delay feedback loops, reverb, LFO modulation, and more to create radical, never-before-heard sonic textures.



- Notch, modulator, and feedback modules
- Tempo sync
- Up to 24bit 192kHz resolution
- Mono, mono-to-stereo and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# H-COMP

H-Comp combines the modeled behavior of transformers, tubes, and transistors, together with the power and precision that only a plugin can provide. The result is a compressor with capabilities that engineers could only dream about back in the day. H-Comp lends a whole new meaning to the concept of THD: Total Harmonic Distinction.



- Analog modeled release behavior
- Wet/Dry mix for easy parallel compression
- Unique transient pass-through punch control
- Exclusive BPM-sync release function
- Analog character modes
- Output limiter/clipper modes
- External sidechain support

# H-DELAY

From real old school PCM42-style effects like filtering, flanging, and phasing, to slap-back echo, ping-pong delay, and tempo-sync with modulation, H-Delay delivers the goods, controlled by a super intuitive interface that lets you get right down to business.



- Up to 3500 ms delay time
- Variable pitch delay time behavior
- Analog character and LoFi modes
- Infinite feedback support
- LFO-controlled pitch modulation
- Tap Pad for easy delay time setting
- Sync-to-host or manual BPM
- HiPass and LoPass filters
- Full MIDI support

# IR-L CONVOLUTION REVERB

When you need to recreate the authentic sound of actual acoustic spaces, there's no alternative to the realism and flexibility of convolution reverb. The IR-L offers the same great sound and performance as our IR1, using a simple, streamlined interface for maximum ease and efficiency.



- Over 100 impulse responses
- Double precision bit resolution processing
- Up to 24bit 96kHz resolution
- Mono, mono-to-stereo and stereo components
- Supports RTAS, Audio Suite, VST, AU.
- PC and Mac compatible

# IR1 CONVOLUTION REVERB

Wembley Arena. Grand Ole Opry. Sydney Opera House. CBGB's. Birdland. Want to record in the world's greatest venues? Now you can. IR1 puts the meticulously captured sound of these and many other renowned spaces in your hands. It lets you capture the sonic characteristics of your favorite rooms and hardware, and shape the reverbs with pinpoint precision. Everybody wants to play the big rooms. With the IR1, you're there.



- Convolution start & length
- Early reflections buildup
- Over 100 impulse responses
- Capture and create your own convolution reverbs
- Double precision bit resolution processing
- Up to 24bit 96kHz resolution
- Mono, mono-to-stereo and stereo components
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# IR360° SURROUND CONVOLUTION REVERB

Major motion pictures in 5.1 Surround require spatial emulation that is 100% believable. Only the astonishing accuracy and complete control of convolution reverb will do. That's why top sound engineers choose Waves IR360. This phenomenal processor delivers the epic impact of Surround sound using the cutting-edge science of impulse response technology. The result is sound so real, you won't just hear it. You'll be there.



- Convolution start & length
- Early reflections buildup
- RT60 extends reverb time up to four times while preserving natural envelope and frequency content
- Over 100 impulse responses
- Capture and create your own convolution reverbs
- Double precision bit resolution processing
- Up to 24bit 96kHz resolution
- Mono, mono-to-stereo and stereo components
- Mono and stereo-to-surround configurations using up to 6 different convolutions simultaneously
- Supports RTAS, Audio Suite, VST.
- Mac compatible

# JJP BASS



Jack Joseph Puig on JJP Bass: "Every track is different. And every bass track is different. Sometimes you want just a great bottom; other times you want

something with more mid-range that cuts through a mix. You may want to give it a bit of distortion, give it an edge. Or you'll want to shape the sound with some nice bell EQs, use some compression and gate to lock it with the kick drum. I could even see someone using this plugin on the drums of a hip hop track as a sub enhancer, to give it some attitude. JJP Bass is a plugin that could be used in any situation."



- Complete all-in-one bass processing chain created by Grammy-winning producer/mixer Jack Joseph Puig
- Mono, mono-to-stereo and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# JJP CYMBALS & PERCUSSION



Jack Joseph Puig on JJP Cymbals & Percussion: "There's really so much you can do with cymbals and percussion. You can use some lo-fi effect to fatten up shakers. You can

take out the mid-range on tambourines to make them sound brighter, or you can add some dirt and distortion to make them sound grittier. You can boost the high end to enhance the shimmer of the cymbals or compress them hard, to bring out other aspects of their sound. The JJP Cymbals & Percussion plugin gives you instant access to all the different colors I like to use, so you can just fire it up, find what you need, and stay creative."



- Complete all-in-one processing chain created by Grammy-winning producer/mixer Jack Joseph Puig
- Mono-to-stereo and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# JJP DRUMS



Jack Joseph Puig on JJP Drums: "There are certain things you usually just take for granted when you're mixing drums. Sure, the snare has to snap. Or maybe you want it to have a woodier sound. The bass drum has to have a nice bottom. But beyond that, there's a whole other range of things you need to consider to really make the song come alive. Maybe there's some tonality in the drum kit that you want to emphasize. How do the drums relate to the rest of the song? And once you figure all that out—how do you get there? Well, what's really great is, JJP Drums is a plugin that can do it all."



- Complete all-in-one drum processing chain created by Grammy-winning producer/mixer Jack Joseph Puig
- Mono, Mono-to-stereo and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# JJP GUITARS



Jack Joseph Puig on JJP Guitars: "I approach the guitar as a sound designer, and try to use the whole sonic palette:

Make it brighter, darker, more aggressive, compress it, bring out the attack, whatever—to give it attitude. The JJP Guitars plugin helps you get into that creative space, quickly. Sure, there's a rock and roll edge to this plugin, but for me, what makes it so powerful is that everything you need, it's right there in front of you; it lets you stay in the zone."



- Complete all-in-one guitar processing chain created by Grammy-winning producer/mixer Jack Joseph Puig
- Mono-to-stereo and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# JJP STRINGS & KEYS



Jack Joseph Puig on JJP Strings & Keys: "When I'm dealing with strings and keyboard parts, in general I want them to be radiant and beautiful. I want to shape the tonality to fit what the song needs to be, so when it comes out of the speaker, it's on another level. With JJP Strings & Keys, it's set up so you can really follow your instincts, to bring out the complexities in your keyboard parts and orchestrations. You might want to use some delay and make it wider, or add a little air for a more ambient feel. Sometimes you'll want it dry and in-your-face. Whatever I do, it has to serve the song."



- Complete all-in-one processing chain created by Grammy-winning producer/mixer Jack Joseph Puig
- Mono-to-stereo and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# JJP VOCALS



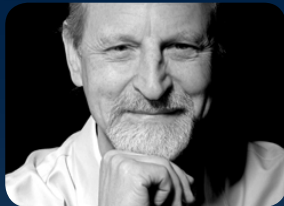
Jack Joseph Puig on JJP Vocals: "When I mix a vocal, my approach is intuitive and instinctive, not technical. I don't think in terms of 'which delay' or 'how to EQ it' or 'more compression' or whatever. What concerns me is how it makes you feel. And since each singer is unique, and every song is unique, there's no single way to go about it. Is it personal, is it intimate, or is it loud and aggressive? So I do whatever it takes to make sure the vocal is open, sits well in the mix and, most importantly, helps convey the message of the song. JJP Vocals helps get you there."

compression' or whatever. What concerns me is how it makes you feel. And since each singer is unique, and every song is unique, there's no single way to go about it. Is it personal, is it intimate, or is it loud and aggressive? So I do whatever it takes to make sure the vocal is open, sits well in the mix and, most importantly, helps convey the message of the song. JJP Vocals helps get you there."



- Complete all-in-one vocal processing chain created by Grammy-winning producer/mixer Jack Joseph Puig
- Mono-to-stereo and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# EDDIE KRAMER VOCAL CHANNEL



Eddie Kramer on the Vocal Channel: "When mixing, there's always a fight going on between the vocal and the rest of the track. For me, what makes a good mix is when all the elements combine seamlessly, complimenting one other. When we designed the Vocal Channel plugin, we did it in such a way that the user can position the vocals within the mix, and then blend it back into the track, without it popping out, in such a way that it retains all its original clarity and presence."



- Complete all-in-one vocal processing chain created by legendary producer/engineer Eddie Kramer
- Mono-to-stereo and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible





# EDDIE KRAMER BASS CHANNEL

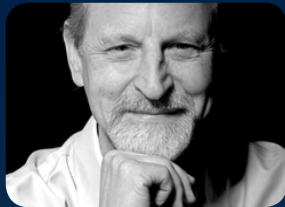


Eddie Kramer on the Bass Channel: "The idea behind the Eddie Kramer Bass Channel was to create a fat bass sound with a lot of presence, that cuts through without being overbearing. In general, the low-mid frequencies are accentuated, so it really pops on radio mixes. That way, you can always hear it clearly, even at low volumes on small speakers. The Bass Channel comes in two flavors: Bass1, which is less compressed, for a more dynamic sound that has room to breathe, and Bass2, a more aggressive sound with increased compression."



- Complete all-in-one bass processing chain created by legendary producer/engineer Eddie Kramer
- Mono and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# EDDIE KRAMER GUITAR CHANNEL



Eddie Kramer on the Guitar Channel: "The Guitar Channel plugin features settings for lead guitars and two types of rhythm guitars.

When it comes to lead guitar, I want it to become a living, breathing organism, creating a palpable sense of excitement within in the mix. By combining the right amounts of EQ, compression, delay, reverb, and a touch of flange, these 5 elements, working together, make it come alive.

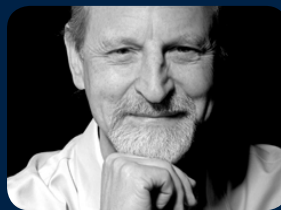
For rhythm guitar, I try to get it 'in your face' as much as possible, without over-processing the sound with EQ. By adjusting the amount of compression, and not overdoing the amount of space, I make sure that the guitar stays up front, where it belongs."



- Complete all-in-one guitar processing chain created by legendary producer/engineer Eddie Kramer
- Mono-to-stereo and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible

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# EDDIE KRAMER DRUM CHANNEL



Eddie Kramer on the Drum Channel: "The Drum Channel plugin really captures the essence of

my drum sounds. Whether you're trying to achieve a huge Zep-like sound with loads of atmosphere, or are going for something more dry and down-to-earth like the Stones, or need a heavily-compressed, squashed, Hendrix-type sound, this is the plugin that will get you there, quickly and easily. Since there are individual modes for bass drums, snares, and so on, you can really mix things up by creating your own hybrid drum kits, using your favorite elements from each."



- Complete all-in-one drum processing chain created by legendary producer/engineer Eddie Kramer
- Mono and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# EDDIE KRAMER

## EFFECTS CHANNEL

Eddie Kramer on the Effects Channel: "For the Effects Channel plugin, I set out to recreate some of the basic elements that I use whenever I'm painting a sonic picture. Over the years, these elements have evolved to suit a variety of sources and styles, from whispering vocals to screaming guitars and beyond.



**H-Slap** is a shorter delay that emulates tape at 15 inches per second, with some EMT plate reverb at a medium setting.

**Z-Slap** is a longer delay (7 ½ inches per second) with a bit of feedback and a longer setting on the EMT plate.

Between the two, you'll easily find the ideal setting for almost anything you can throw at it."



- Complete all-in-one processing chain created by legendary producer/engineer Eddie Kramer
- Mono-to-stereo and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# HLS CHANNEL



Developed in association with legendary producer/engineer Eddie Kramer, the HLS Channel was meticulously modeled on a Helios mixing console just like the one he used in historic sessions at London's acclaimed Olympic Studios. (In fact, we actually managed to get our hands on the Helios from the Rolling Stones mobile truck, which was used on a slew of classic recordings during the early '70s.) In addition to modeling the Helios EQs with their sweet saturation, high-end presence, and fat low-frequency boost, we even modeled the unique behavior, coloration, and drive of the console's preamps. To top it all off, the HLS Channel features a precision-modeled VU meter that recreates the sensitivity, ballistic behavior, look and feel of the original.

- Classic '60s/'70s British sound
- Modeled mic & line preamp drive
- Analog noise & hum for added realism
- EQ bypass mode
- Up to 24bit 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# PIE COMPRESSOR



Developed in association with legendary producer/engineer Eddie Kramer, the PIE Compressor was precision-modeled on a vintage Pye compressor like the ones he used in historic sessions at London's acclaimed Olympic Studios. A mainstay in esteemed British studios throughout the classic rock era, the original Pye processors are considered by many to be among of the best buss compressors of all time. The Waves PIE plugin features a meticulously modeled VU meter with superfast refresh rates that recreates the accuracy, sensitivity, and ballistic behavior of a physical analog meter.

- Classic '60s British sound
- Analog noise & hum for added realism
- Compression and limiting modes
- Auto-makeup gain
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# L1 ULTRAMAXIMIZER

The plugin that started it all: Look-ahead peak limiting, level maximization, and high resolution re-quantization in one powerful plugin. Ideal for any audio application from multimedia to mastering, the L1 is world-renowned for its transparency and punch.



- 2 components: L1 Ultramaximizer and L1 Ultramaximizer+
- IDR™ Increased Digital Resolution dither with noise shaping filter
- Double precision bit resolution processing
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# L2 ULTRAMAXIMIZER

For mixing, mastering, and more, the L2's legendary combination of look-ahead brickwall peak limiting, level maximization, and ultra high resolution give you the power and extra gain you need with crystal-clear results every single time.



"I don't ever give a mix to the artist, producer, or record label without first putting the L2 across the mix."

**Chuck Ainlay**

Producer/Engineer

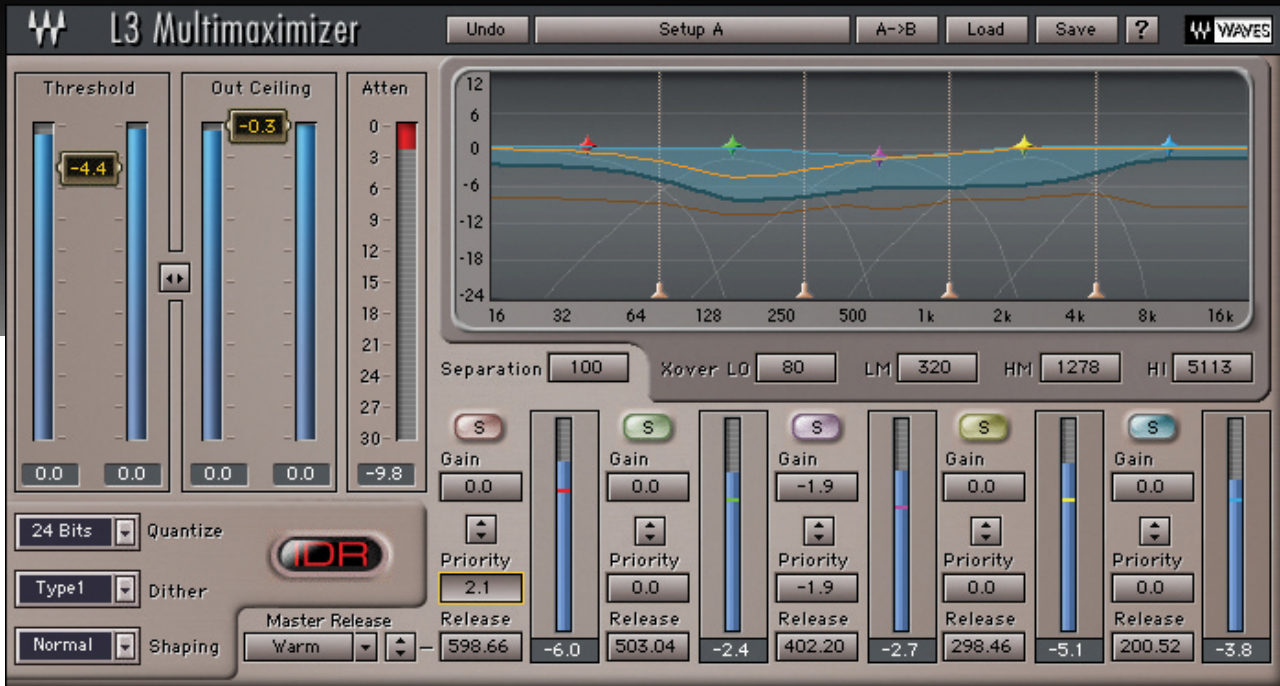
*Dire Straits, Vince Gill, Mark Knopfler*

- Manual and ARC™ Automatic Release Control
- IDR™ Increased Digital Resolution with double precision bit re-quantization and dither with 9th-order noise shaping filter
- Double precision bit resolution processing
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible



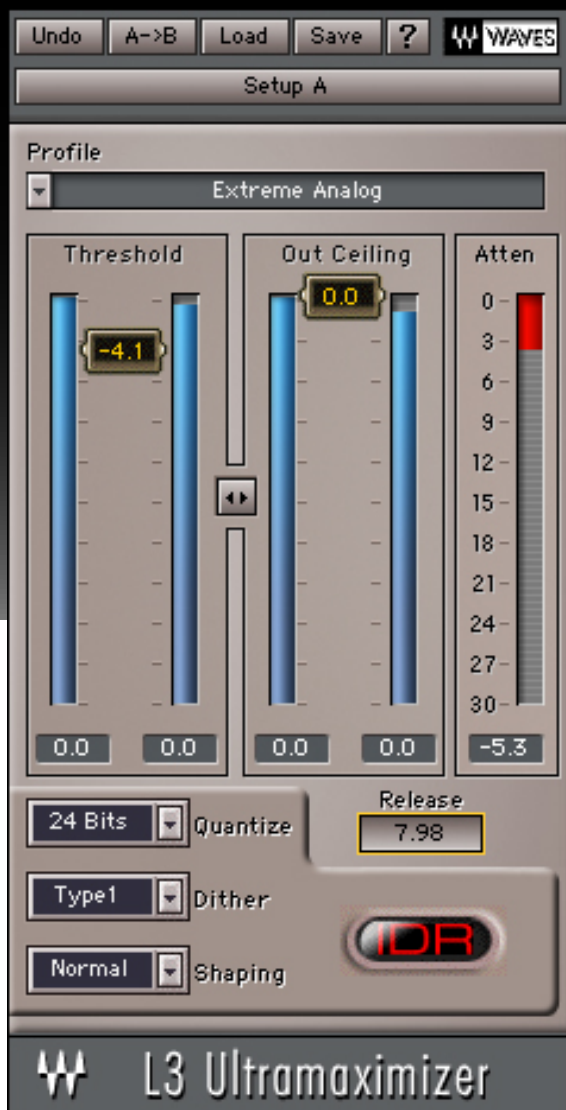
# L3 MULTIMAXIMIZER

When top mastering engineers sit down behind the board, they need to enhance frequency response and maximize levels while protecting the fidelity of their sources. That's where the L3 comes in: The world's first auto-summing multi-band limiter for all-in-one mastering.



- Linear phase EQ for sweet highs and punchy lows
- IDR™ Increased Digital Resolution with double precision bit re-quantization and dither with 9th-order noise shaping filter
- Master and individual ARC™ Automatic Release Controls
- Also includes the L3 Ultramaximizer
- Up to 24bit 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# L3 ULTRAMAXIMIZER



The L3 Ultramaximizer is a special edition of the L3 which is included with selected bundles as well as the L3 Multimaximizer. It delivers the same great sound as the L3 Multimaximizer using an intuitive, streamlined interface.

- IDR™ Increased Digital Resolution
- ARC™ Automatic Release Control
- Up to 24bit 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# L3-16 MULTIMAXIMIZER

Presenting the most advanced member of Waves' acclaimed L-Series: the L3-16 Multimaximizer, a 16-band peak limiter delivering unparalleled loudness with unprecedented control. Powered by Waves patented PLMixer™ Peak Limiting Mixer technology, the L3-16 maximizes your sound with pinpoint precision and breathtaking detail. With a wide variety of sonic flavors ranging from analog warm to digital cool, no matter what genre, no matter what sound, you'll stand out from the crowd, loud and clear.



"The L3-16 is awesome, like no other limiter I have ever used. It delivers smoothness, supreme accuracy and loudness without any weird artifacts and without killing the dynamics."

**Alan Branch**

Engineer/Mixing Engineer

*NIN, Sinead O'Connor, Brian Eno, Depeche Mode*

- Intuitive paragraphic interface
- Built-in linear phase equalizer
- ARC™ Automatic Release Control
- IDR™ Increased Digital Resolution with double precision bit re-quantization and dither with 9th-order noise shaping filter
- Linear phase filtering for maximum output, free of phase distortion
- Up to 24bit 96kHz resolution
- Mono and stereo components
- Supports, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# L3-LL MULTIMAXIMIZER

Presenting the L3-LL, the first multiband peak limiter that lets you maximize your mix, track by track, instrument by instrument. Including the same versatile presets that made the L3 the favorite of engineers the world over, the L3-LL extends the capabilities of the L-Series by leaps and bounds. The L3-LL's PLMixer™ Peak Limiting Mixer technology maximizes your volume with breathtaking detail, and its 5 band crossover with phase-corrected filters delivers sweet highs and punchy lows. When you need maximum sound with minimum latency and complete control, the choice is clear: Loud & clear.



- 5-Band crossover with phase-compensated filters
- IDR™ Increased Digital Resolution with double precision bit re-quantization and dither with 9th-order noise shaping filter
- Complete L3 preset sharing and saving
- ARC™ Automatic Release Control
- Double precision bit resolution processing
- Up to 24bit 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# L3-LL ULTRAMAXIMIZER

The L3-LL Ultramaximizer is a special edition of the L3-LL which is included with selected bundles. It delivers the same great sound as the L3-LL Multimaximizer using an intuitive, streamlined interface.



- IDR™ Increased Digital Resolution
- ARC™ Automatic Release Control
- Double precision bit resolution processing
- Up to 24bit 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# LINEAR PHASE EQ

Conceived and created with mastering in mind, Linear Phase EQ preserves your original musical balance while providing precision control over the harmonic spectrum with absolutely zero phase shift.



- Ideal for acoustic instruments, stereo sources, transient-heavy tracks, and mastering
- Lowband and broadband components
- Nine linear phase filter types
- Five bands of paragraphic equalization
- Double precision bit resolution processing
- Up to 24bit 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# LINEAR PHASE MULTIBAND

Utilizing unique technologies like Adaptive Thresholds, Automatic Makeup Gain, and Finite Response Filters, Linear Phase Multiband features five user-definable bands with linear phase crossovers for phase distortion-free Multiband Compression.



- 5 discrete bands
- ARC™ Automatic Release Control
- Double precision bit resolution processing
- Up to 24bit 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# LOAIR

For years, sound design and post production professionals have been waiting for a subharmonic synthesizer plugin that delivers the earthshaking sound of hardware. The wait is over.

More than just a subharmonic generator, LoAir features adjustable frequency and low-pass filter controls to shape your ultra low-end. Plus, it's the only subharmonic plugin available which lets you process polyphonic content, as well as create an LFE track from stereo or 5.0 sources.



- Create 5.1 mixes from 5.0 mixes, including 5.0 effects libraries and 5.0 movies.
- Increase dramatic subs to existing 5.1 mixes and sound effects, for monster footsteps, massive explosions, and spaceships.
- Add ground-trembling lows to sub synths, big basses, and kicks in your music mixes.
- Add weight, drama, and depth
- Enhance existing subharmonics
- Processes polyphonic source material
- Mono, stereo, 5.0-to-5.1, and 5.1-to-5.1 components
- Up to 24bit, 192kHz resolution
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# MASERATI ACG



## Tony Maserati on the ACG Acoustic Guitar Designer:

“The ACG is a comprehensive tool to help gain ultimate control and energy boost from a variety of acoustic guitar types. The ‘ACG 1’ setting allows you to maximize level and sculpt your top and bottom. ‘ACG 2’ setting has more built-in compression for bringing out the subtleties in a live performance. Both have appropriate room settings available to be dialed in at varying levels.”



- Complete all-in-one processing chain created by multi-Platinum mixer Tony Maserati
- Selectable Insert & Send modes
- Mono-to-stereo and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# MASERATI B72



**Tony Maserati** on the B72 Bass Phattener: "The B72 actually has two distinct starting places. I've worked on a large variety of music for my artists, and there's never just one sound or one preset. Try the 'DI' setting on your electric or acoustic bass and you'll see how you can enhance the roundness, while keeping it lively throughout the song. The 'Synth' setting opens up a different door, with thickness, stereo spread, and harmonic flavor. It'll fill the speakers like an old Prophet."



- Complete all-in-one bass processing chain created by multi-Platinum mixer Tony Maserati
- Selectable Insert & Send modes
- Mono, mono-to-stereo, and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible

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# MASERATI DRM



Tony Maserati on the DRM Drum Slammer: "The DRM was designed to help the excitement of percussive transients get heard through mixes which are thick with instrumentation and vocals. Whether on programmed or live drums, DRM is a great starting point for your mix."



- Complete all-in-one drum processing chain created by multi-Platinum mixer Tony Maserati
- Mono and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Double precision bit resolution processing
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# MASERATI GTI



Tony Maserati on the GTi Guitar Toner: "The GTi was created with all the different guitar players I've admired in mind. I tried to find settings that would be a starting place for getting their sound, from the 'Clean' in-your-face sound of, say, Elliott Smith to the wide chorus-y spread of The Police's Andy Summers using the 'Clean Chorus' setting. On the 'Heavy' setting, a bit of level and EQ help your already crunched guitar sound scream through any thick instrumentation you've got. 'Thick Rhythm' lets you to subtly or substantially make your rhythm guitar sound livelier; it also works great on Wurlis and Horns. The 'Soft Flange' setting is just that; it adds interesting and subtly audible filtering to legato notes or sustained electric guitars. My intention was to make these effects usable in a wide variety of applications. The wild and crazy FX are out there; you already got 'em if you need 'em!"



- Complete all-in-one guitar processing chain created by multi-Platinum mixer Tony Maserati
- Selectable Insert & Send modes
- Mono, mono-to-stereo, and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible

WAVES  
*Signature*  
SERIES

# MASERATI HMX



Tony Maserati on the HMX Harmonics Generator: "In 'Modal' mode, the HMX will make your piano wide, with just the right amount of chorus effect, to give it life on a vocal demo, or raise your Wurlitzer's presence, for some ethereal magic. 'Bounce' mode will add a bit of reverb and delay, to create energy and movement for a sensitive ballad or live-ness to a funky full-band setting."



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SERIES

- Complete all-in-one processing chain created by multi-Platinum mixer Tony Maserati Mono and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Double precision bit resolution processing
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# MASERATI VX1



Tony Maserati on the VX1 Vocal Enhancer: "The VX1 is a compact package for full vocal control, whether you need to squeeze the most emotion out subtle performance or engulf it in a room with a full band production. This plugin has all the processing you need for Vocals."

Contour 1 will give you a studio or small venue room; Contour 2 is a larger chamber with reflective pre-delays, most suited for slow ballads; and Contour 3 is set up for quicker tempo songs with a very small room and matching pre-delay."



WAVES  
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SERIES

- Complete all-in-one vocal processing chain created by multi-Platinum mixer Tony Maserati
- Selectable Insert & Send modes
- Mono, mono-to-stereo, and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# MASERATI GRP



Tony Maserati on the GRP Group Processor: "The Maserati GRP plugin is meant to help that final blend jump out a bit. It's got a nice bit of equalization involved but no effects, no shredders, none of that kind of thing. In fact, the compression that I'm using in the network there is very, very subtle, because generally I don't do major compression over my groups. It's meant to add a nice sheen on a great blend of background vocals or compress a drum kit together, make it really feel like it's got some nice air to it."

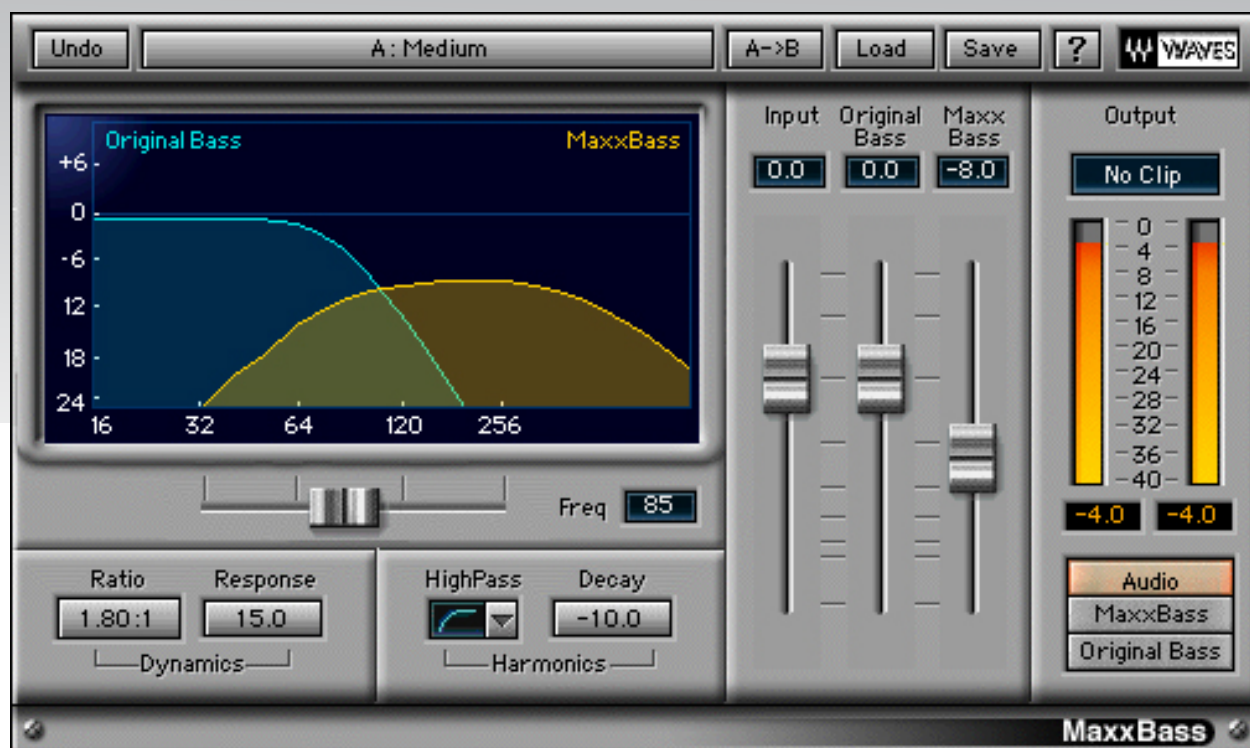


- Complete all-in-one processing chain created by multi-Platinum mixer Tony Maserati
- Mono and stereo components
- Optimized control ranges
- 24bit/96kHz resolution
- Double precision bit resolution processing
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# MAXXBASS

When you need to seriously pump up your lows, choose MaxxBass®, the bass enhancement technology used on more hit records and major motion pictures than any other.

MaxxBass® uses psycho-acoustics to calculate precise harmonics that are related to the fundamental tones of sound. When these harmonics are combined, it creates the effect of lower, deeper frequencies. For bass you can really feel, it's got to be MaxxBass®.



“When I mix, I strive for a massive, solid, yet controlled low end. I reach for MaxxBass on 808s, kicks, and of course bass.”

**Dave Aron**

*FOH / Studio Engineer*

*Snoop Dogg, Prince, Dr. Dre*

- Extends perceived bass response by up to 1.5 octaves
- Preserves the dynamic range and character of the original bass
- Mixed output, maxxbass, and original bass monitoring
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# MAXXVOLUME

The very first plugin of its kind, MaxxVolume performs all essential dynamics processes in one convenient tool. Combining technologies from Waves' acclaimed L2 Ultramaximizer™, C1 Parametric Compressor, Renaissance Vox, and Renaissance Compressor, MaxxVolume is ideal for mixing and mastering as well as broadcast and post-production, perfect for voiceovers, vocals, and instrumental tracks.



- Bring out room ambience and detail
- Add body and detail on acoustic instruments
- Level dialogue and other post-production elements
- High and low level compression, gating, and leveling in one plugin
- Double precision bit resolution processing
- Up to 24bit 192kHz resolution (TDM 24/96 only)
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# METAFLANGER

There's never been anything quite like the sound of great vintage tape flanging and phaser emulation - until now. From gentle choruses and dual-delay flanging sounds to sharp phasing and extreme jet sweeps, let MetaFlanger take you there and beyond.



- Works great as a vocal effect
- Flanging, phasing, chorusing, and more
- Extensive presets including emulations of vintage gear
- Tempo sync
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# MONDOMOD

MondoMod utilizes an exclusive combination of linked AM, FM and Rotation modulators to create unique sonic textures ranging from tranquil to turbulent.



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- Amazing chorus effects for everything from guitars to vocals
- AM (tremolo), FM (vibrato) and Rotation (panning) modules
- LFO with 5 selectable waveforms
- Tempo sync
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# MORPHODER

Taking the classic sound of the original Vocoder to new heights, Morphoder lets you combine two distinct audio signals to create never-before-heard sonic combinations with unmatched clarity and definition.



- Takes the vocoder to a whole new level
- 8-Voice stereo synthesizer
- Formant control
- Modulator with Linear Phase EQ
- MIDI control
- Up to 24bit 96kHz resolution
- Mono, mono-to-stereo and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# MV2

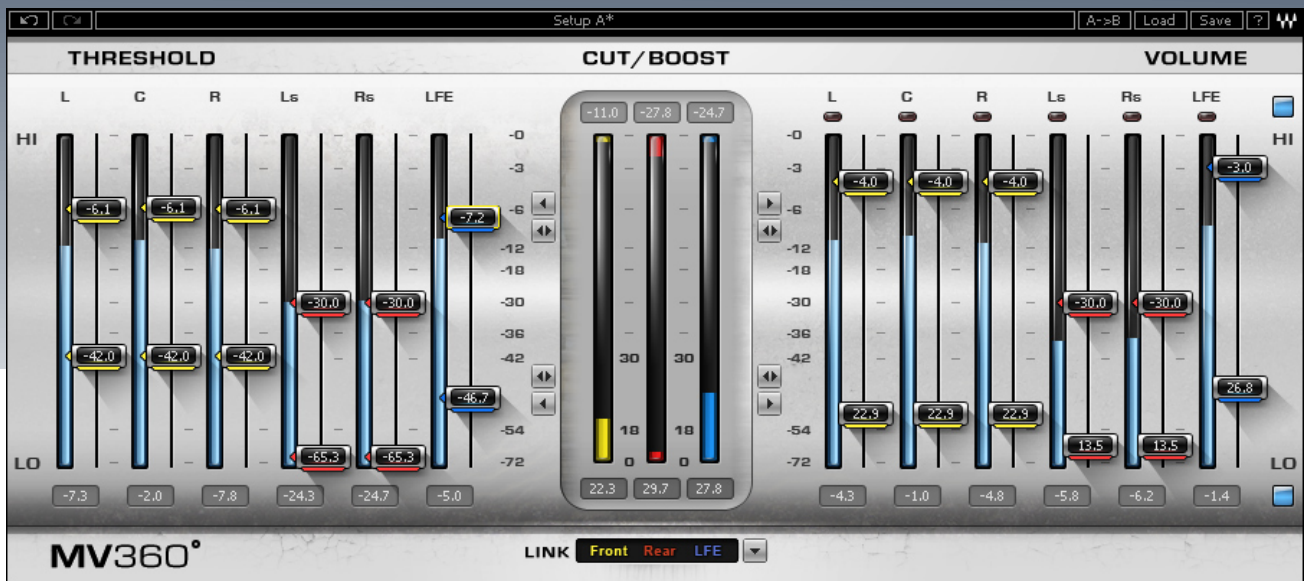
With high and low level compression controlled by a streamlined interface, the MV2 is the simplest, most flexible way to control your sound. With intuitive dual faders for quick dynamic optimization, it's never been easier to maximize your volume.



- Bring out room ambience and detail
- Add body and detail on acoustic instruments
- Level dialogue and other post-production elements
- High and low level compression in one plugin
- Double precision bit resolution processing
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# MV360°

MV360° is the ultimate dual function dynamics processor for 5.0 and 5.1 surround applications. With six channels of low level and high level compression, plus nine versatile Link Modes, the MV360° is the simplest, most flexible way to control your surround sound dynamics.



- Especially for Surround sound
- 9 convenient Link Modes
- High and low level compression in one plugin
- Double precision bit resolution processing
- Up to 24bit 192kHz resolution
- Supports TDM, RTAS, VST
- PC and Mac compatible
- 5.0 to 5.0 and 5.1 to 5.1 components

# PAZ ANALYZER

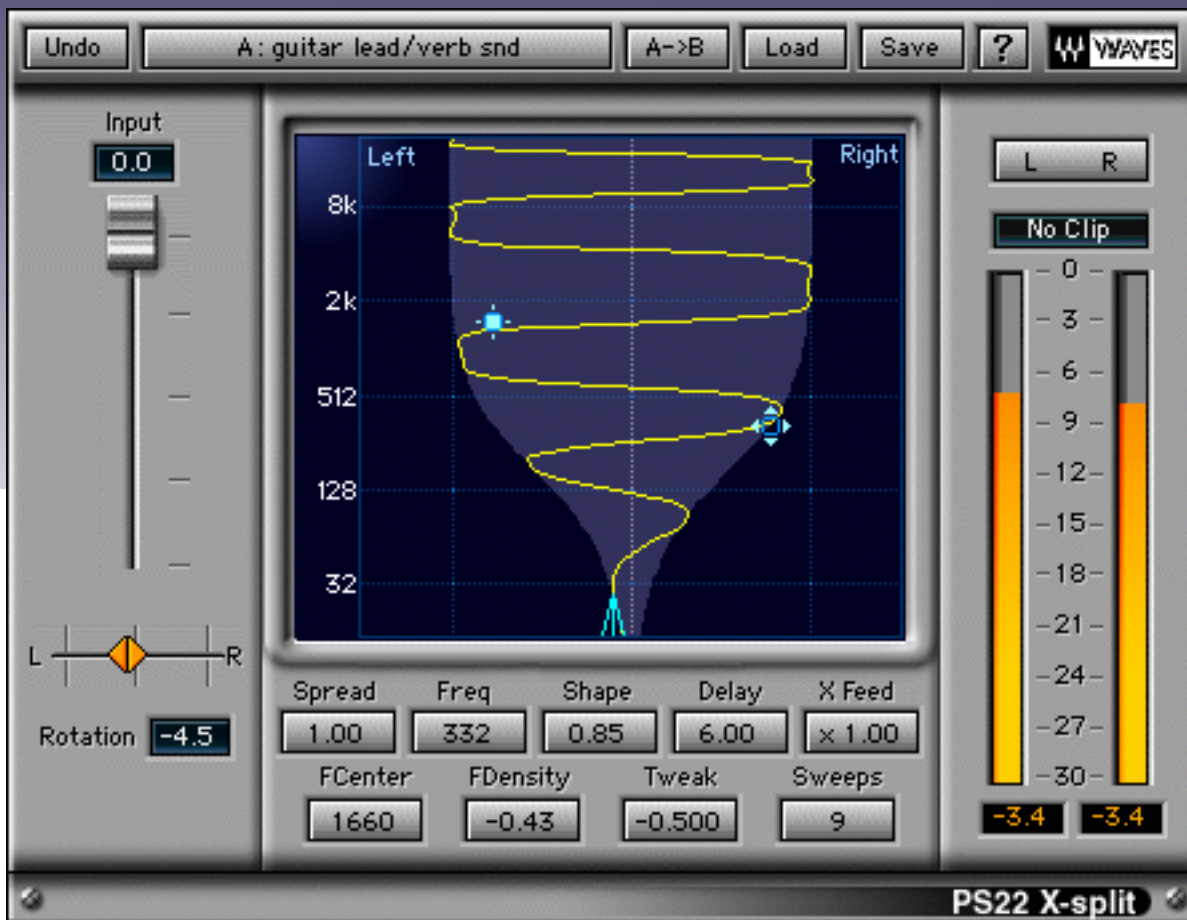
Amazingly accurate and a breeze to use, the PAZ Analyzer generates a comprehensive realtime visual representation of your audio's stereo positioning, frequency spread, and peak/RMS levels.



- Position, Frequency and Meter components
- Real-time vector display with zoom
- Peak or RMS frequency analysis modes
- L/R peak and RMS displays, with individually re-settable peak hold values
- Optional resolution in 10Hz steps for precise analysis below 250Hz
- 52 or 68 band analysis
- Save results as text file
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# PS22 STEREO MAKER

Ideal for revitalizing old recordings as well as sound effects, guitar leads, and more, the PS22 is unsurpassed for mono-to-stereo emulation, enhancing individual tracks, and rebalancing the spatial imaging of stereo mixes.



- Spread, Split, and X-Split components
- Psycho-acoustic spatial enhancement and phase-compensation
- Retains mono compatibility
- Preserves original frequency response
- Left/right or MS meter monitoring
- Up to 24bit 192kHz resolution
- TDM only
- Mono-to-stereo and stereo components
- PC and Mac compatible



# PUIGCHILD 660 & 670

Throughout the vinyl era, the original Fairchild 670 compressor was ubiquitous: From the recording studio to the record lathe, the Fairchild was renowned for its advanced compression techniques and incomparable sound. We've captured every distinctive nuance of Jack Joseph Puig's Fairchild 670 along with every detail of its rich harmonic complexity.



- Modeled on a rare vintage Fairchild 670
- Lateral vertical mode (MS compression) for optimal stereo imaging
- Linked & unlinked modes
- Up to 24bit, 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, VST, AU
- PC and Mac Compatible

# PUIGTEC EQP-1A

The Pultec EQP-1A is renowned for its unique ability to boost and cut the same frequencies simultaneously, thereby creating a resonant shelf. The PuigTec EQP-1A is a remarkable replication of Jack Joseph Puig's original hand-crafted unit, heard on dozens of popular recordings from artists including Weezer, Black Crowes, and Panic! At The Disco.



- Modeled on a rare vintage Pultec unit
- Unique resonant low shelf boost
- Up to 24bit, 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, VST, AU
- PC and Mac compatible

# PUIGTEC MEQ-5

The distinctive tonal characteristics of the MEQ-5 have made the original Pultec hardware a mainstay at high-end studios for decades. The midrange PuigTec MEQ-5 and the broadband PuigTec EQP-1A together comprise a full range vintage EQ chain.

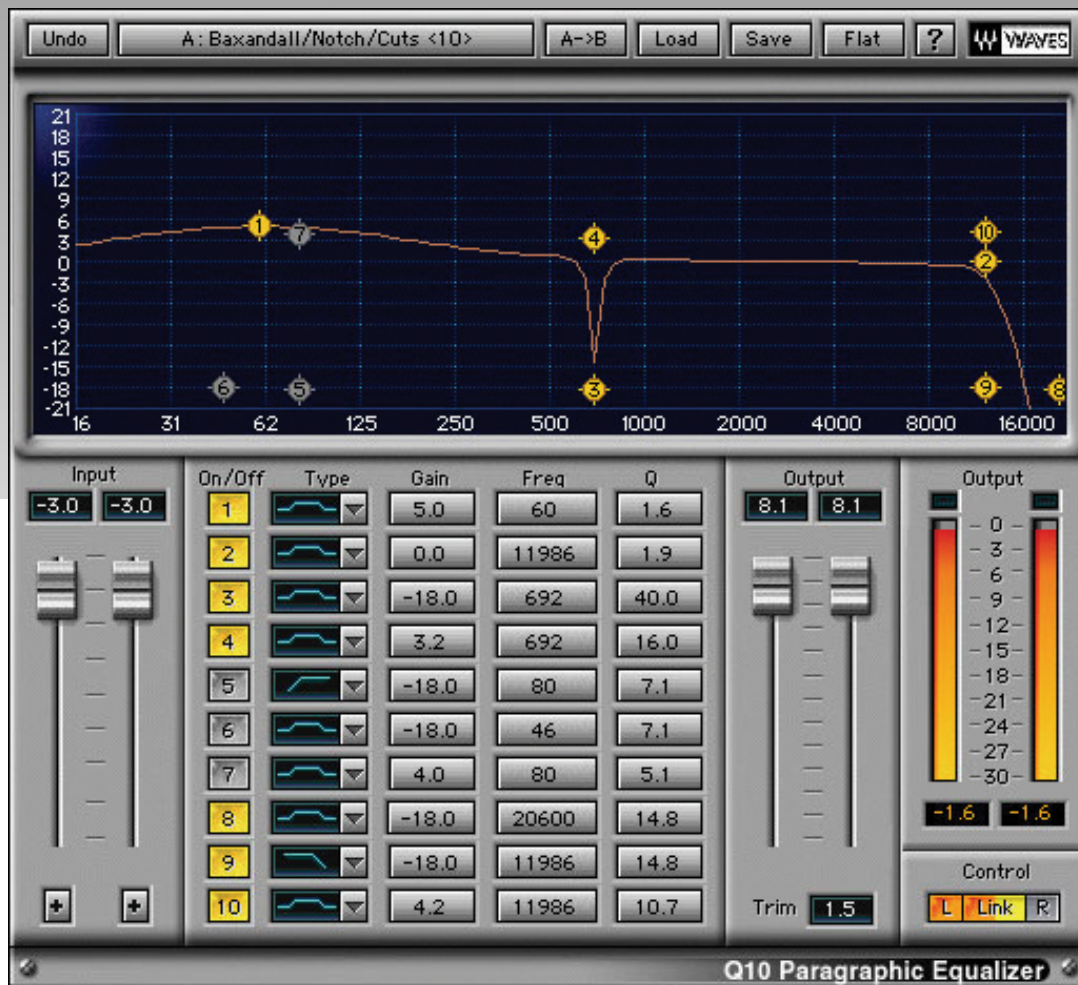


- Modeled on a rare vintage Pultec unit
- Midrange complement to EQP-1A
- Up to 24bit, 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, VST, AU
- PC and Mac compatible



# Q10 PARAGRAPHIC EQ

The world's very first paragraphic EQ, the Q10 delivers precision equalization for mixing and mastering alike. With power and features that far surpass the capabilities of analog equalizers, the Q10 lets you create special effects and spectral modifications that range from subtle to extreme.



"I use the Q10 on every project for everything from transparent contouring of a vocal to accurately tuning zones of a sound system."

**Brett Dicus**

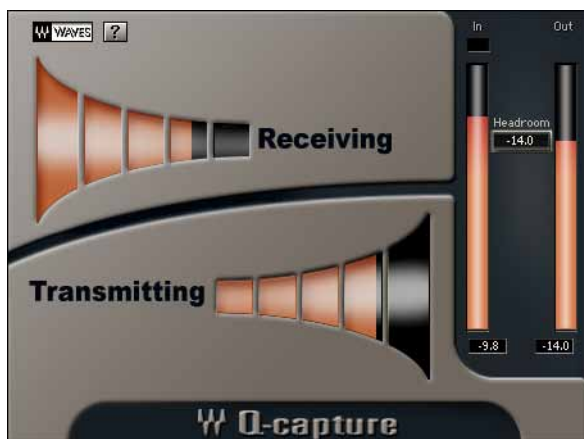
Engineer

*Norah Jones, Bruce Springsteen, Ringo Starr*

- 1, 2, 3, 4, 6, 8 and 10 band components
- Separate or linked processing and parameter control
- Advanced noise-shaping for optimum fidelity
- Presets for multimedia, pseudo-stereo, band limiting, comb filtering, crossovers, hum removal, and more
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# Q-CLONE

There's nothing like the warmth and character of vintage hardware equalizers. With Q-Clone, you can dig into its massive library of classic EQs, or use the Q-Capture component to model your own hardware favorites. Plus, you can use your captured hardware freely throughout your session, adjusting the sound of each track as if you had dozens of that same equalizer. With so many EQs at your fingertips, Q-Clone is true innovation in equalization.



- Model your favorite hardware equalizers
- 2 components: Q-Clone and Q-Capture
- Double precision bit resolution processing
- Up to 24bit 96kHz resolution
- Mono and stereo components
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# RENAISSANCE AXX

Engineered especially for guitar, Renaissance Axx is the ideal compressor for musicians and engineers who need to dial in dynamic levels quickly. With its three efficient controls, Renaissance Axx features a fixed ratio curve, automatic release value, and an output limiter to prevent clipping.



- Ideal for guitar and bass
- Streamlined 3 parameter control
- Double precision bit resolution processing
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# RENAISSANCE BASS

Renaissance Bass delivers richer, deeper lows that sound great on any system. Using Waves patented MaxxBass<sup>®</sup> psycho-acoustic technology, Renaissance Bass makes tightening up the low end easier than ever, thanks to its simple, intuitive controls.



- Bigger, tighter bass from any system
- Extends perceived bass response by up to 1.5 octaves
- Clip-free performance
- Up to 24bit 192kHz resolution
- Mono and Stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# RENAISSANCE CHANNEL



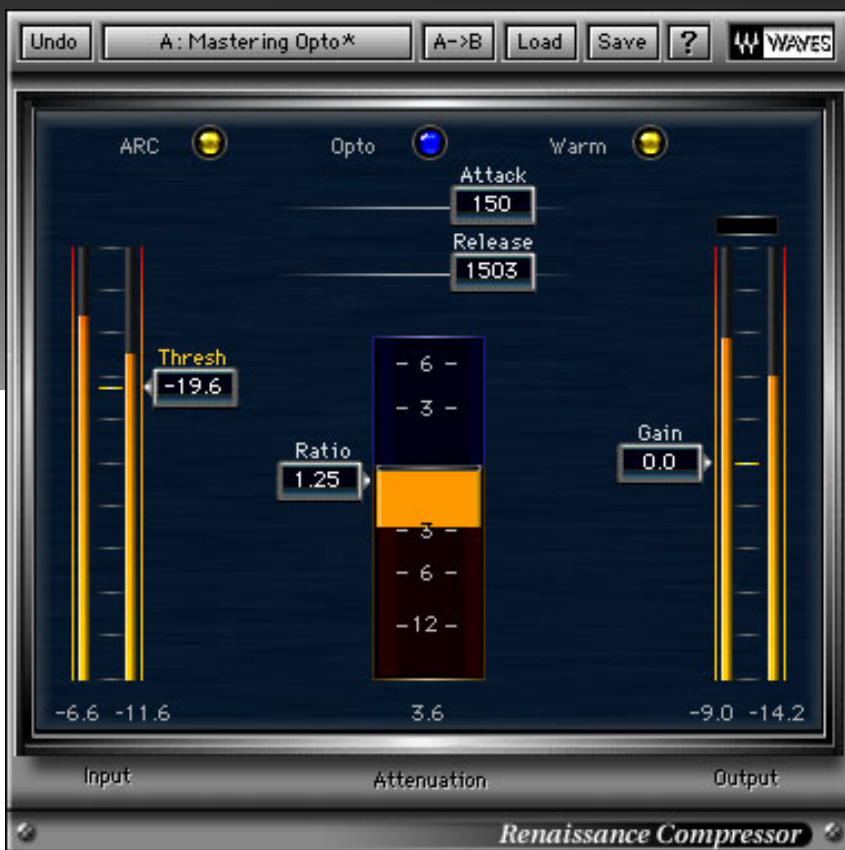
A precision channel strip combining the finest equalization, compression, limiting, and gating in one convenient plugin, Renaissance Channel is a complete audio mixing chain that delivers unsurpassed flexibility and performance.

- EQ, compression, gating, and limiting in one plugin
- Double precision bit resolution
- Selectable EQ/dynamics signal flow
- Stereo rotation control
- Up to 192kHz sample rate
- Mono, mono-to-stereo, and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# RENAISSANCE COMPRESSOR

Featuring a streamlined, optimized interface, the Renaissance Compressor delivers classic warm compression and expansion utilizing technologies from our renowned C1 Parametric Compressor and the legendary L1 Ultramaximizer™.



- Great-sounding, easy-to-use compressor
- Vintage Opto and modern Electro compression modes
- Internal brickwall limiting for clip-free output
- Double precision bit resolution processing
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# RENAISSANCE DeESSER

Nothing ruins a great vocal track like excess “ess” and “shh” sounds. The solution is Renaissance DeEsser, a state-of-the-art sibilance attenuator which reduces undesirable high frequencies while preserving the integrity of your source. With a variety of presets for both male and female voices, Renaissance DeEsser makes it simple to zero in on the problem spots and clean them up with accuracy and ease.



- Ideal for tracking, mastering, live sound, and broadcast
- Adaptive threshold and adjustable gain reduction
- Phase compensated crossover
- audio or side-chain monitoring
- Double precision bit resolution processing
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# RENAISSANCE EQUALIZER

Featuring real-time EQ graphing, vintage-modeled filter curves, and extended internal headroom, the Renaissance Equalizer is a versatile parametric EQ with warm, analog-style sound.



"It has the most pleasant sound of any digital EQ I have ever used."

**Todd Parker**

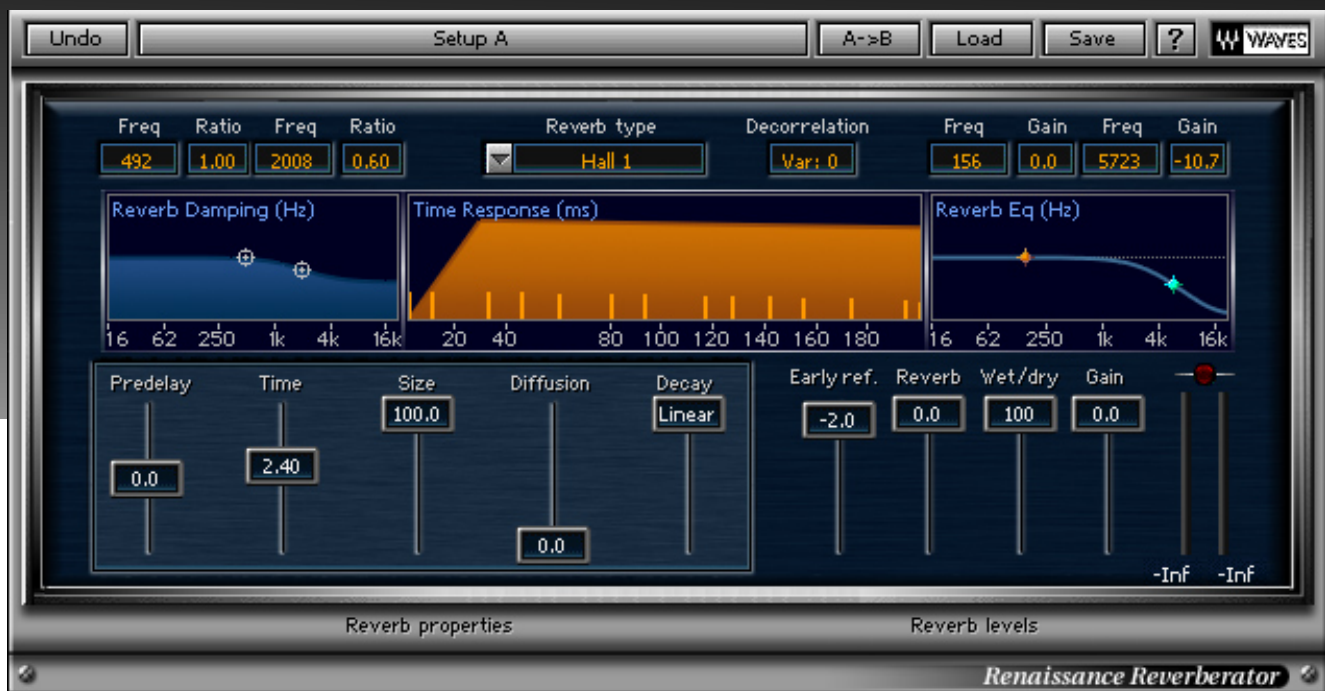
Engineer

*Norah Jones, Robbie Williams, Weezer*

- 2, 4, and 6 band components
- Filter-curves based on vintage analog equalizers
- Double precision bit resolution processing
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# RENAISSANCE REVERB

With rich reverb tails, an advanced early reflection system, and dual-band EQ and damping controls, Renaissance Reverb delivers unsurpassed sound and performance with extraordinary density and texture.



- 12 reverb types
- De-correlation for subtle early reflections changes and fine-tuning
- Negative predelay value delays the dry signal
- Up to 24bit 96kHz resolution
- Mono-to-stereo and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# RENAISSANCE VOX

A uniquely powerful dynamics processor optimized especially for vocal tracks, Renaissance Vox features simple streamlined controls for compression, gate/expansion, limiting, and level maximization.



“There’s nothing like Renaissance Vox. It holds the vocal in the forefront of the mix like nothing else.”

**Todd Parker**

Engineer

*Robbie Williams, Norah Jones, INXS, Weezer*

- Compression, gating, limiting, and level maximization in one plugin
- Soft-knee compressor with auto make-up gain
- Gentle downward expander for noise gating
- Double precision bit resolution processing
- Up to 24bit 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# S1 STEREO IMAGER

Ideal for stereo tracks as well as full mixes, the S1 is a unique and powerful set of tools that uses psycho-acoustic spatial imaging techniques to enhance and alter stereo separation.



- Shuffler, Imager, and MS Matrix components
- Double precision bit resolution processing
- Up to 24bit 192kHz resolution
- Mono-to-stereo and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# SSL E-CHANNEL



The SSL E-Channel delivers the incomparable sound of the Solid State Logic 4000-series console's all-discrete design and its Class A, VCA chip. It's a slice of the world's greatest hitmaking machine, in your computer.

The equalization section of the SSL E-Channel is based on the renowned Black Knob equalizer, developed in 1983 with legendary producer George Martin. It features a High Pass Filter, Low Pass Filter, and a four-band parametric equalizer.

The dynamics section features a soft-knee compressor/limiter and an expander/gate modeled on the SSL LS611E. Like the original, it can be placed before or after the equalization section, and makeup gain is automatically applied to maintain a steady output level.

- Unsurpassed for hard-hitting drum sounds
- Includes presets from Grammy-winning mixer Chris Lord-Alge
- Developed under license from Solid State Logic
- Up to 24bit, 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# SSL G-MASTER BUSS COMPRESSOR



Based on the renowned master buss center compressor of the SSL 4000 G console, the Waves SSL G-Master Buss Compressor captures the unique sound of the original's IC input and twin VCA gain-reduction amplifier design. Prized by top engineers for its ability to "glue together" tracks, the SL 4000 G master buss center compressor is ideal for taming piano dynamics or adding punch to drums and percussion. Now, the ultimate finalizer that transforms a mix into a finished record can be yours - in the box.

- Perfect for tightening up final mixes
- Includes presets from Grammy-winning mixer Chris Lord-Alge
- Developed under license from Solid State Logic
- Up to 24bit, 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# SSL G-EQUALIZER

This four-band equalizer, modeled on the SSL G Series EQ292, offers greater gain change than the E-Series EQ, and a slightly different curve. The SSL G-Equalizer includes a pre-boost dip and a pre-cut rise, as well as a broader Q for more extreme equalization. That's why many leading engineers use the E-Channel's equalization for detailed problem-solving and mixing, and the G-Equalizer to shape and give character to the sound.



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- Shape your sound with color and character
- Developed under license from Solid State Logic
- Up to 24bit, 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# SSL G-CHANNEL



Waves is proud to present the SSL G-Channel, a brand new addition to our award-winning SSL 4000 Collection. The power of the complete Solid State Logic SL 4000 console series is now at your fingertips. G-Channel consolidates the equalization and dynamic controls of SSL G Series consoles into one convenient tool. The G-Channel EQ module delivers the original hardware's characteristic pre-boost dip, pre-cut rise, and broad Q for extreme frequency manipulation.

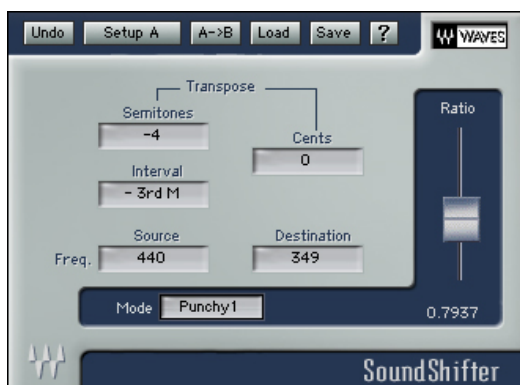
The Dynamics section features soft-knee compression and limiting, a gate/expander, and automatic makeup gain for rock steady output levels. Together, they deliver the one-of-a-kind sound and convenient routing flexibility that have made the SSL G-Series console a control room classic.

- Heard on countless hit records
- Developed under license from Solid State Logic
- Up to 24bit, 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# SOUNDShIFTER

The world's most advanced pitch-shifting and time-shifting processor, SoundShifter lets you change keys, change tempos, change durations, and manipulate the time-pitch continuum with unmatched accuracy and clarity. For tonal transformation and transposition, SoundShifter is simply all you'll ever need.



- Parametric, Graphic, and Real-time components
- Punchy, smooth, transient, and sync modes
- Multiple link, display, and control options
- Time, tempo, bars, samples, SMPTE, feet & frames, pitch, interval, and frequency controls
- Up to 24bit 96 kHz resolution
- Mono and stereo components
- PC and Mac compatible

# SUPERTAP

Inspired by the legacy of the classic analog tape delays, SuperTap's extensive modulation, panning, and filter options give it unprecedented processing power. Sync to your host tempo or tap it in; SuperTap gets you into the right groove.



- Versatile delay and echo effects
- 2-Tap and 6-Tap components
- Tap-pad for tempo tapping or pattern switching
- Global LFO modulation and 2 feedback modes
- Spatial positioning vector display
- Up to 24bit 192kHz resolution
- Mono, mono-to-stereo and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# R360° SURROUND REVERB

Today's Surround environments deliver new levels of depth and expression; R360° ups the ante, giving you unmatched realism with unprecedented real-time control. Utilizing state-of-the-art tail generation technology from our award-winning Renaissance Reverb, the R360° delivers six channels of rich, smooth acoustic modeling for 5.1 mixing environments.



- Intuitive graphic display
- Complements the S360 Surround Imager
- Up to 24bit 96 kHz resolution
- Mono-to-stereo, stereo to surround and surround components
- Supports TDM, RTAS, Audio Suite, VST
- PC and Mac compatible

# S360° SURROUND IMAGER

Surround technology presents exciting new sonic possibilities that go way beyond stereo. Take advantage of these sound opportunities with the S360°. Engineered for the precise manipulation of imaging, distance panning, and spatial enhancement for Surround sound, the S360° Surround Imager and S360° Surround Panner generate early reflections and use shuffling to increase low frequency width and perceived depth.



- Pair-wise or Triple-wise Rotation calculation
- Center image and LFE Send controls
- Mono-to-stereo, stereo-to-surround and surround components
- Supports TDM, RTAS, Audio Suite, VST
- Up to 24bit 96kHz resolution
- PC and Mac compatible

# S360° SURROUND PANNER



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- Parametric, Graphic, and Real-time components
- Punchy, smooth, transient, and sync modes
- Multiple link, display, and control options
- Time, tempo, bars, samples, SMPTE, feet & frames, pitch, interval, and frequency controls
- Up to 24bit 96 kHz resolution
- Mono and stereo components
- PC and Mac compatible

# LFE360° LOW-PASS FILTER

Conceived and created especially for Surround and 5.1 mixing applications, the LFE360° lets you filter and enhance the LFE channel with fine-tune precision. Get ready for earth-shaking lows that will rock your Surround environment!

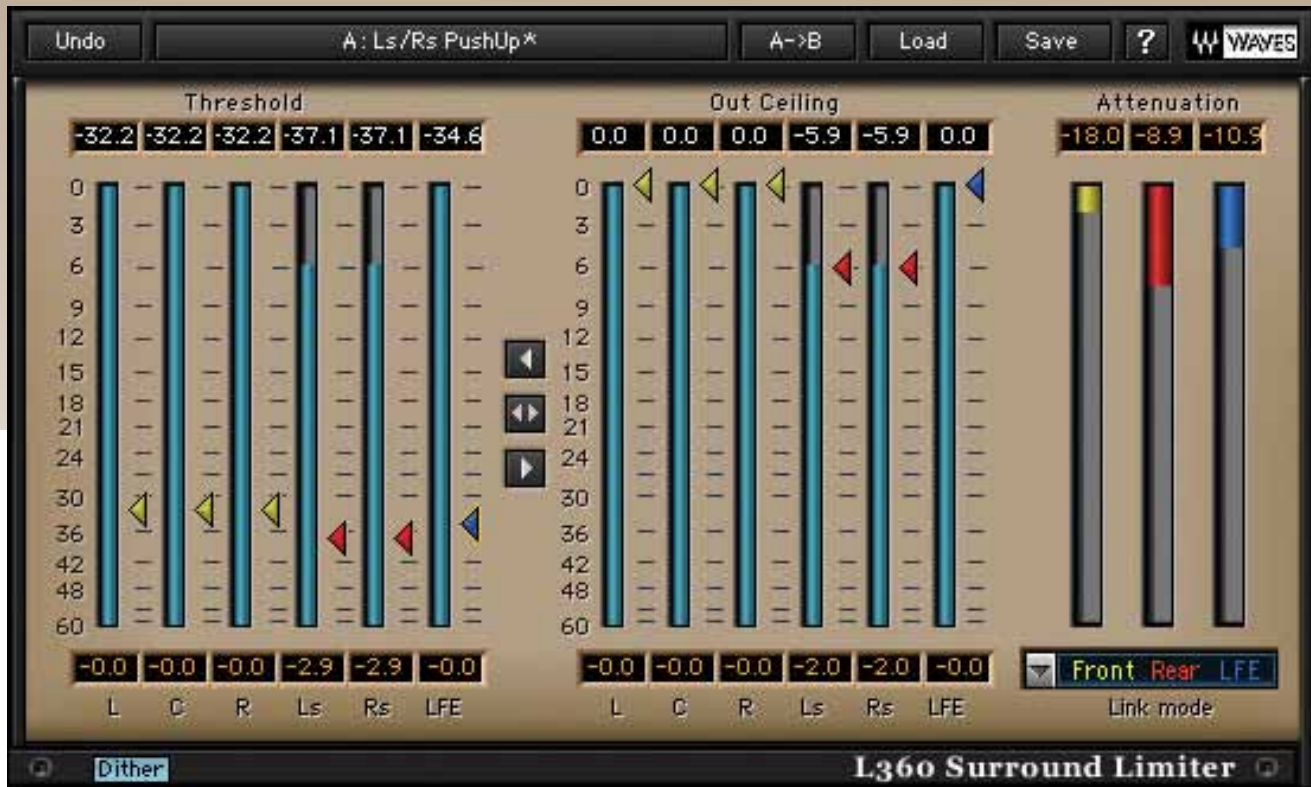


- Mono and 5.1 components
- 60 dB per octave filter roll-off
- Preview LFE audio filter or apply to master output
- Up to 24bit, 192kHz resolution
- Mono, stereo, and surround components
- Supports TDM, RTAS, Audio Suite, VST
- PC and Mac compatible



# L360° SURROUND LIMITER

Based on the legendary Waves L1 and L2 Ultramaximizers, the L360° delivers multi-channel brickwall peak limiting, dithering, and noise shaping for the ultimate Surround experience. The audience won't know what hit them!



- ARC™ Automatic Release Control
- IDR™ Increased Digital Resolution with double precision bit re-quantization
- Flexible channel coupling, grouping, and parameter linking
- Threshold look-ahead with negative attack time
- Global threshold, ceiling and limiter controls for offset preservation
- Up to 24bit, 96kHz resolution
- Mono, stereo, and surround components
- Supports TDM, RTAS, Audio Suite, VST
- PC and Mac compatible

# C360° SURROUND COMPRESSOR

With its flexible channel coupling and grouping, the C360° Surround Compressor delivers state-of-the-art soft knee compression, engineered especially for high resolution 5.1 Surround production.



- Individual output ceiling limiter on each channel
- 5 interchangeable link modes
- Threshold look-ahead with negative attack time
- ARC™ Auto Release Control
- Preserves cross-channel balance, phantom imaging, and channel offset
- Auto-makeup peak reference compression
- Up to 24bit, 96kHz resolution
- Mono, stereo, and surround components
- Supports TDM, RTAS, Audio Suite, VST
- PC and Mac compatible

# IDR360° BIT RE-QUANTIZER

Using patented psycho-acoustic dithering and noise shaping technology, IDR360° reduces the bit-depth of Multi-channel and 5.1 Surround audio with unparalleled clarity and resolution.



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- 5 selectable target bit resolutions
- Patented psycho-acoustic technology
- IDR™ Increased Digital Resolution dither
- Up to 24bit, 96kHz resolution
- 5.1/5.0 surround components
- Supports TDM, RTAS, Audio Suite, VST
- PC and Mac compatible

# M360° SURROUND MANAGER

When you're doing Surround sound design or mixing, you need flawless satellite and subwoofer monitoring. For 5.1 studio calibration and bass management, the M360° Surround Manager and M360° Surround Mixdown are indispensable for achieving the perfect balance and spread.



- ITU standard mixdown matrices
- 10 mixdown formats
- Subwoofer feed control
- Speaker angle and center level adjustment controls
- LFE gain offset adjustment
- 2-band bass-split crossover

- Send angles for connectivity with other panners and imagers
- Derives Quad, LCR, stereo and mono mixes from surround
- Up to 24bit 192kHz resolution
- 5.1/5.0 surround components
- Supports TDM, RTAS, Audio Suite, VST
- PC and Mac compatible

# M360° SURROUND MIXDOWN



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- ITU standard mixdown matrices
- 10 mixdown formats
- Up to 24bit 192kHz resolution
- 5.1/5.0 surround components
- Supports TDM, RTAS, Audio Suite, VST
- Derives Quad, LCR, stereo and mono mixes from surround
- PC and Mac compatible

# TRANS-X

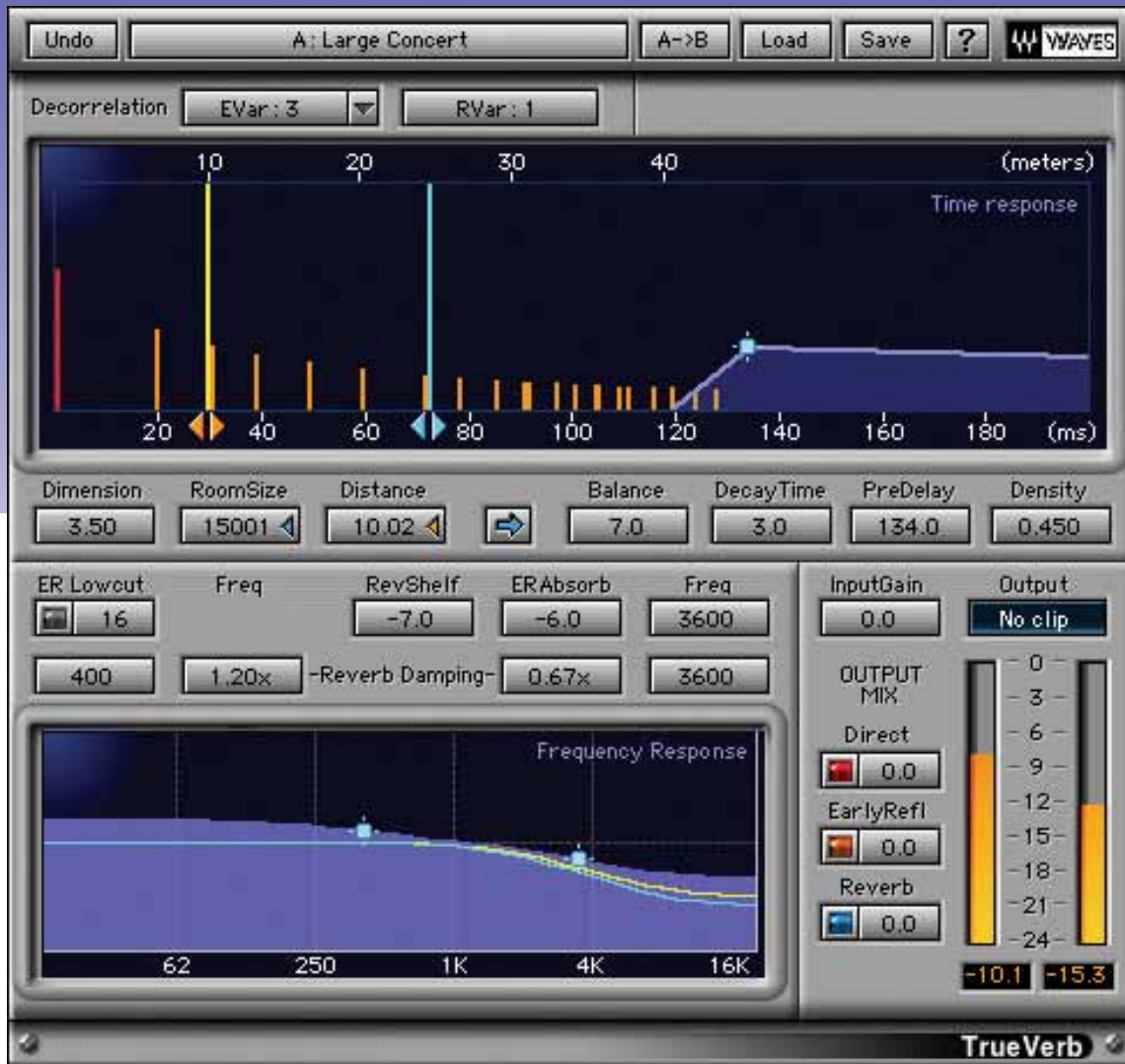
Perfect for breathing new life into drum loops, accentuating or attenuating instrumental attacks, and modifying room acoustics, TransX is a revolutionary processor that shapes transients and revitalizes individual tracks and full mixes.



- Ideal for drum tracks and loops
- Adds punch, softens edges, highlights sustain
- Multi (4-Band) and Wide (Wide Band) components
- Multi features individual range and sensitivity for each band
- Up to 24bit, 192kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST
- PC and Mac compatible

# TRUEVERB

Featuring a flexible graphic interface and powerful editing parameters, TrueVerb combines reverb with an Early Reflections simulator to create extraordinarily natural-sounding virtual acoustic spaces.



- Thru and send modes
- Independent and linked distance and reverb modes
- Time and frequency response graphic interface
- Up to 24bit, 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# WAVES TUNE

The singer has just wrapped up an amazing take. The phrasing, the emotion, the delivery, it's all there. But there are notes you'd like to change, and others that need to be fixed. You want perfect pitch transformation. You want precision real-time editing capabilities. You want Waves Tune.

With full ReWire support, formant correction, and an extensive palette of pitch shaping tools, Waves Tune lets you do all your editing right there within your DAW environment - no need to export sections or work offline. Better sounding and more flexible than any other pitch correction processor, Waves Tune will get your vocals back on track.



- Operates in sync and controls host transport using ReWire
- Pitch edit graph with waveform overview, timeline, piano roll and pitch editor
- 3 timeline modes including bars/beats, minutes/seconds and samples
- Up to 24bit 96kHz resolution
- Mono and stereo components
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# WAVES TUNE LT

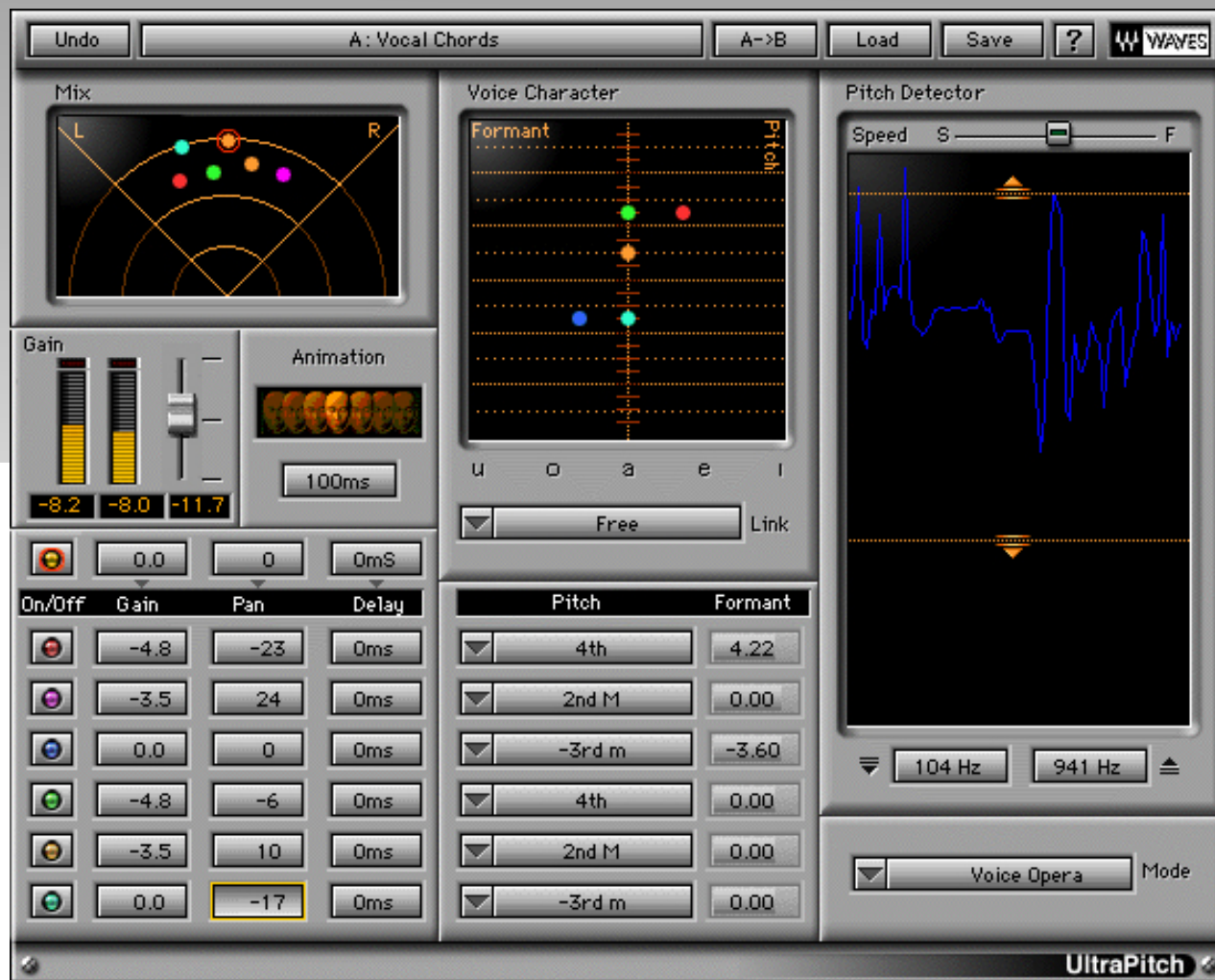
Waves Tune LT is a special edition of Waves Tune which is included with selected bundles. It delivers the same great sound as Waves Tune, using an intuitive interface and simplified controls.



- Operates in sync and controls host transport using ReWire
- Pitch edit graph with waveform overview, timeline, piano roll and pitch editor
- Three timeline modes including bars/beats, minutes/seconds and samples
- Up to 24bit 96kHz resolution
- Mono and stereo components
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# ULTRAPITCH

When you need to transpose, harmonize, modulate, and transform your sound, UltraPitch is the answer. With factory presets including essential classic setups, UltraPitch is great for thick stereo chorusing, doubling, parallel harmonies, vocal slap and spread effects, and much more.



- Shift, 3-Voice and 6-Voice modules
- Pitch Detector and Voice Character graphs
- Random asynchronicity using Animation Amount control
- Linked or free formant correction curves
- Up to 24bit 48kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# UM 225 | UM226

From music to movie soundtracks and beyond, audio engineers are upmixing all sorts of content from stereo to surround, to capture the excitement of today's full, multi-speaker environments. And when the original multi-track sessions aren't available, they have to work with stereo mixes. That's where the UM225 and UM226 stereo-to-surround plugins come in, bringing Waves quality to the new surround soundscape.



- Turn stereo tracks into 5.0 and 5.1 surround
- Profile modes for music and movies
- Enhanced clarity and separation of frontal center
- LFE channel LoAir enrichment with cutoff-frequency control
- Adjustable rear channel ambience and delay
- Intuitive surround graph

# VOCAL RIDER



Vocal Rider is the first of Waves pioneering new series of Mix tools. Simply put, Vocal Rider rides the levels of vocal tracks, automatically.

Instead of manually riding the physical mixing console fader, or tediously drawing in each individual level change on a DAW track, Vocal Rider does it for you, making it a true timesaver.

All you need to do is set the target range of the vocal level in relation to the rest of the mix. Then, Vocal Rider compensates for all deviations from the target, intelligently raising or lowering the vocal volume, instantly. And unlike everyday compression, Vocal Rider adds absolutely no additional coloring to the track.

The Vocal Rider Live component includes an exclusive Spill control to differentiate the vocal from background instrumentation and noise, for better tracking and performance.

- Keep steady vocal & dialog levels automatically.
- Save time by automating the vocal riding part of the mixing process.
- Write the automatic riding to an automation track for fine tuning.
- Real-Time means no latency and no pre-scan needed.
- Dedicated Vocal Rider Live component
- Up to 24bit 96kHz resolution
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible



AES 2009

# V-COMP

Using time constants and a fixed nominal output gain, the V-Comp recreates the rich lush buss sound of the vintage 2254 hardware compressor. This super-responsive dynamics processor packs a recognizable musical punch heard on countless hit records. Its controlled, gentle compression can really glue a mix together.



- Modeled on the acclaimed 2254 compressor
- Up to 24bit 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# V-EQ3

Combining the best characteristics from two of the world's most desirable console modules, the 1066 and 1073, this 3-Band EQ, with its classic cutoff points and adjustable High Pass Filter, is ideal for mixing and mastering. With the V-EQ3, it's never been easier to achieve the rich classic sound of the '60s and '70s.



- Modeled on the renowned 1066 and 1073 modules
- Up to 24bit 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# V-EQ4

Modeled on the highly sought-after 1081 console module, this classic 4-band equalizer features detailed high frequency boosts plus High Pass and Low Pass Filters. The V-EQ4 captures the characteristic sound of vintage analog gear while providing the limitless flexibility and versatility of the digital environment.



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- Modeled on the classic 1081 console module
- Up to 24bit 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# W43 NOISE REDUCTION PLUGIN

Ambient noise: Hiss. Hum. Traffic. Wind. Air conditioning. They can all wreak havoc on dialog tracks. With Waves W43, they're a thing of the past.

Inspired by the renowned CAT43, the W43 noise reduction plugin builds upon the legacy of the popular unit that's been a post production favorite for decades. With four fixed frequency bands, the W43 is an affordable, easy-to-use plugin which delivers high quality, minimal artifact noise reduction like the original hardware, while adding all the advantages of software.



Working post professionals know you can never have too many noise suppression tools, since different technologies excel at different tasks. With the W43 in your tool set, you'll be ready for any noisy dialog that comes your way.

- Affordable and easy-to-use
- Zero latency for perfect picture sync
- Multiple simultaneous instances
- Up to 24bit, 192kHz resolution
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible



# WNS WAVES NOISE SUPPRESSOR

WNS Waves Noise Suppressor is a real-time noise reduction plugin for cleaning dialog tracks. Unsurpassed for noise suppression on both indoor and location recordings with constant or modulating environment noise, WNS was precision-engineered to reduce noise from dialog, narration, voiceovers and broadcast, with minimal artifacts. WNS features six adjustable bands and a large graphic display which helps you identify problem frequencies, plus an exclusive "Suggest" feature which uses cutting-edge technology to analyze signal noise, then automatically adjust the plugin parameters to provide an optimized starting point.



“WNS cleans my dialogue, clarifies my sound effects recordings, and opens up my mixes, adding sparkle and details.”

**Scott Gershin**

Sound Designer/Supervisor  
*(Star Trek, Hellboy 2, Chronicles of Riddick, American Beauty)*

- Ideal for dialog, narration, voiceovers, and broadcast
- Dynamic frequency range selection for broad or precise per-band noise suppression
- Easy-to-read graphic display
- Exclusive "Suggest" feature
- Zero latency for perfect picture sync
- Significantly more affordable than hardware
- Multiple simultaneous instances
- Up to 24bit, 192kHz resolution
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# X-CRACKLE

X-Crackle employs the latest psycho-acoustic algorithms to remove crackles and surface noise from vinyl records and damaged recordings, with results equal to or better than more expensive dedicated hardware solutions.



- Audio and difference output monitoring
- Frequency-based visual scope display
- Real-time track insert capability
- Up to 24bit 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# X-HUM

Featuring a friendly interface that's a snap to learn and use, X-Hum uses eight harmonically linked notch filters to attenuate ground loop hum, DC offset, and low-frequency rumble caused by turntables and tape machines.



- 8 Harmonic notch filters
- Frequency and amplitude attenuation display
- Audio and inverse monitoring
- Up to 24bit 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# X-NOISE

With simple, intuitive controls similar to those found on traditional dynamics processors, X-Noise is perfect for removing tape hiss as well as air conditioner and computer noise from individual tracks, complete mixes, or damaged recordings.



- Real-time parameter control and monitoring
- Learn mode for noise Profile creation
- Frequency-based spectral display
- Audio and Difference output monitoring
- Up to 24bit 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# X-CLICK

Ideal for restoring vintage vinyl and shellac records, X-Click removes strong transient noise like clicks, spikes, switching noise, and digital crosstalk while preserving the sonic integrity of your source material



- Visual scope displays intensity of clicks
- Audio and difference monitoring
- Real-time track insert capability
- Up to 24bit 96kHz resolution
- Mono and stereo components
- Supports TDM, RTAS, Audio Suite, VST, AU
- PC and Mac compatible

# Z-NOISE

Hiss happens. So does ground hum, computer noise, and any number of unwanted sonic artifacts. Bring on Z-Noise, and hear them disappear. Featuring real-time noise profiling, innovative transient preservation, and increased low-frequency resolution, Z-Noise truly is a revolution in noise reduction.



- 5-Band noise profile EQ
- Enhanced low-frequency resolution and time sensitivity
- Monitor the entire output or just the noise
- Exclusive Extract mode creates noise profile from sources containing signal and noise
- Adaptive dynamic detection for noise that changes over time
- Up to 24bit 96kHz resolution
- Mono and stereo components
- Supports RTAS, Audio Suite, VST, AU
- PC and Mac compatible

WAVESLIVE

# MULTIRACK

## LIVE SOUND PLUGIN HOST

MultiRack gives FOH and Monitor engineers the power of the same acclaimed Waves reverbs, delays, compressors, and EQs used in recording studios and mixing rooms the world over.

Armed only with a laptop, an I/O, and MultiRack, you can now shape your live sound at a fraction of the cost of hardware, and do away with racks and racks of heavy effects units.



### For Analog and Digital Consoles

- Quick & simple setup
- Full recall, full control
- Simple routing
- No cables, no rack mounting
- Save scenes per song or song sections
- PC and Mac compatible

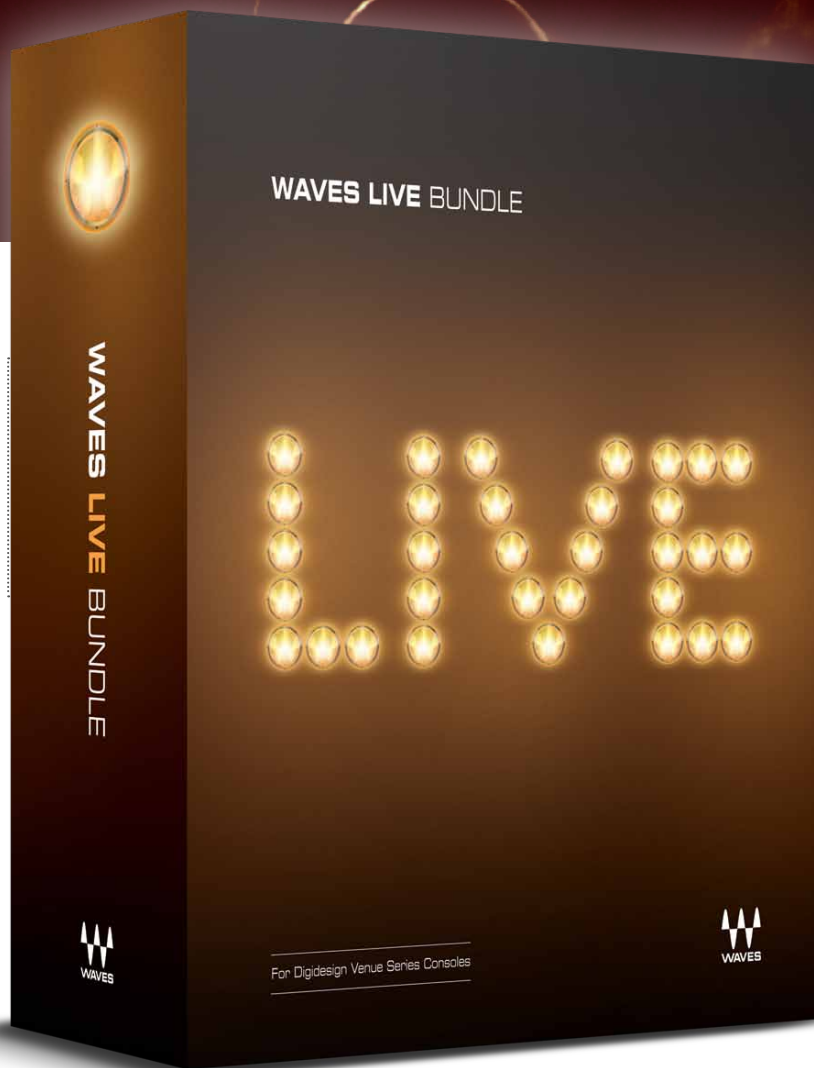
“MultiRack turns any computer into a virtually unlimited, stand alone rack of outboard gear that I can stock with my favorite plugins.”

**Dave Aron**  
FOH / Studio Engineer  
*Snoop Dogg, Prince*



# LIVE BUNDLE

With over 30 D-Show compatible plugins covering everything from EQ, reverb, and modulation to compression, gating, and limiting, Waves Live Bundle gives you all the processing power you need to take it to the stage.



For Avid Venue Consoles

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- AudioTrack
- C1 Parametric Compressor
- C4 Multiband Compressor
- C6 Multiband Compressor
- DeEsser
- Doppler
- Doubler
- Enigma
- H-Comp
- H-Delay
- IR-L Convolution Reverb
- L1 Ultramaximizer
- L2 Ultramaximizer
- L3 Ultramaximizer
- L3-LL Ultramaximizer
- Linear Phase Equalizer
- Linear Phase Multiband
- MaxxBass
- MaxxVolume
- MetaFlanger
- MondoMod
- Morphoder
- MV2
- PAZ Analyzer
- PS22 Stereo Maker
- PuigTec EQP-1A
- PuigTec MEQ-5
- Q10 Paragraphic Equalizer
- Renaissance Axx
- Renaissance Bass
- Renaissance Channel
- Renaissance Compressor
- Renaissance DeEsser
- Renaissance Equalizer
- Renaissance Reverb
- Renaissance Vox
- S1 Stereo Imager
- SuperTap
- Trans-X
- TrueVerb

# WSG-Y16

Run Waves plugins live on your Yamaha console.

Now, you can run Waves acclaimed compressors, EQs, limiters, delays, and more, on selected Yamaha mixing consoles. Longtime favorites in top recording, mixing, and mastering studios, Waves industry-standard audio plugins are now poised to revolutionize the world of live sound.

Simply add the WSG-Y16 mini-YGDAI I/O to your compatible Yamaha console, and together with a switch, server, Mac or PC, and iLok-authorized Waves plugins, the world of Waves processing is at your fingertips. Powered by Waves SoundGrid technology, the WSG-Y16 lets you process 16 channels of audio with award-winning Waves plugins. And if 16 channels isn't enough, simply install another card, for 32 channels of Waves power.

With a rich feature set including a redundancy and recovery safety net, MIDI control from the console, plus scalability and expandability, the WSG-Y16 is an essential asset to any compatible Yamaha mixing console.



- Supports 44.1, 48, 88.2, 96 kHz sampling frequencies
- 24-bit sample resolution
- 16 channels of audio at 44.1/48kHz
- 8 channels of audio at 88.2/96kHz
- Add another card for 16/32 channel processing
- Low-latency, real-time design
- Redundancy and Recovery via SoundGrid
- MIDI port for snapshot and parameter control
- Connect to other SoundGrid-compatible devices

# SOUNDGRID PRO

50 state-of-the-art plugins for SoundGrid systems, including the SSL 4000 Collection, CLA Classic Compressors, JJP Analog Legends, and The API Collection.

For Compatible Yamaha  
and DiGiCo Consoles



- API 2500 Compressor
- API 550A EQ
- API 550B EQ
- API 560 EQ
- AudioTrack
- C1 Parametric Compander
- C4 Multiband Compressor
- C6 Multiband Compressor
- CLA-2A
- CLA-3A
- CLA-76 Blacky
- CLA-76 Bluey
- DeEsser
- Doppler
- Doubler
- Enigma
- H-Comp
- H-Delay
- L1 Ultramaximizer
- L2 Ultramaximizer
- L3-LL Multimaximizer
- L3-LL Ultramaximizer
- MaxxBass
- MaxxVolume
- MetaFlanger
- MondoMod
- MV2
- Paz Analyzer
- PuigChild 660/670
- PuigTec EQP-1A
- PuigTec MEQ-5
- Q10 Paragraphic EQ
- Renaissance Axx
- Renaissance Bass
- Renaissance Channel
- Renaissance Compressor
- Renaissance DeEsser
- Renaissance Equalizer
- Renaissance Reverb
- Renaissance Vox
- S1 Stereo Imager
- SSL E-Channel
- SSL G-Channel
- SSL G-Equalizer
- SSL G-Master Buss Compressor
- SuperTap
- Trans-X
- TrueVerb
- V-Comp
- V-EQ3
- V-EQ4
- Vocal Rider

# SOUNDGRID ESSENTIALS

28 essential plugins for SoundGrid systems, from EQ, compression, reverb, and delay to vocal tools, bass extension, limiting, and level maximization.



- AudioTrack
- C1 Parametric Compressor
- C4 Multiband Compressor
- DeEsser
- H-Comp
- H-Delay
- L1 Ultramaximizer
- MaxxBass
- MetaFlanger
- MondoMod
- MV2
- PAZ Analyzer
- Q10 Paragraphic Equalizer
- Renaissance Axx
- Renaissance Bass
- Renaissance Channel
- Renaissance Compressor
- Renaissance DeEsser
- Renaissance Equalizer
- Renaissance Reverb
- Renaissance Vox
- SuperTap
- Trans-X
- TrueVerb
- V-Comp
- V-EQ3
- V-EQ4
- Vocal Rider

For Compatible Yamaha  
and DiGiCo Consoles

# SOUNDGRID PRELUDE



12 must-have plugins for SoundGrid systems, including L1 Ultramaximizer, H-Delay, H-Comp, Renaissance Channel, Renaissance Vox, Renaissance Bass, and more.

- H-Comp
- H-Delay
- L1 Ultramaximizer
- Renaissance Axx
- Renaissance Bass
- Renaissance Channel
- Renaissance Compressor
- Renaissance DeEsser
- Renaissance Equalizer
- Renaissance Reverb
- Renaissance Vox
- Trans-X

For Compatible Yamaha  
and DiGiCo Consoles

# SOUNDGRID SERVER ONE

Engineered especially for Waves SoundGrid systems, SoundGrid Server One is housed in a rugged 19" rack-mountable enclosure, and includes pre-installed SoundGrid server software plus a wide-range power supply.



# MAXXBCL

Three powerful processors in one rugged hardware unit.  
MaxxBass | Renaissance Compressor | L2 Ultramaximizer

Today, MaxxBCL is turning up everywhere.

- Live Sound Reinforcement
- Broadcast Production
- Mastering & Post Production

From Lincoln Center to television's *American Idol*, from tours with Metallica to Cirque de Soleil, from the studio to the stage, MaxxBCL is in the house.

State-of-the-Art  
transformers

48 bit  
double precision  
processing

24 bit  
96 kHz

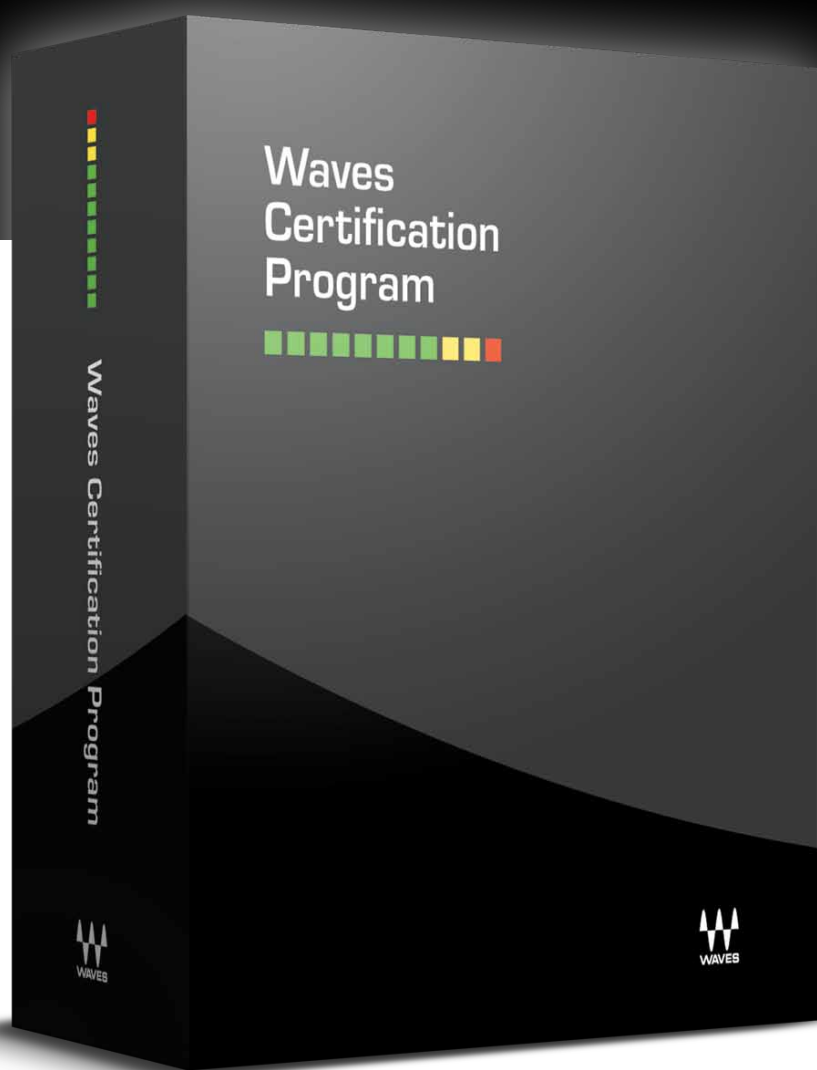
125 dB  
dynamic  
range



BOOKS



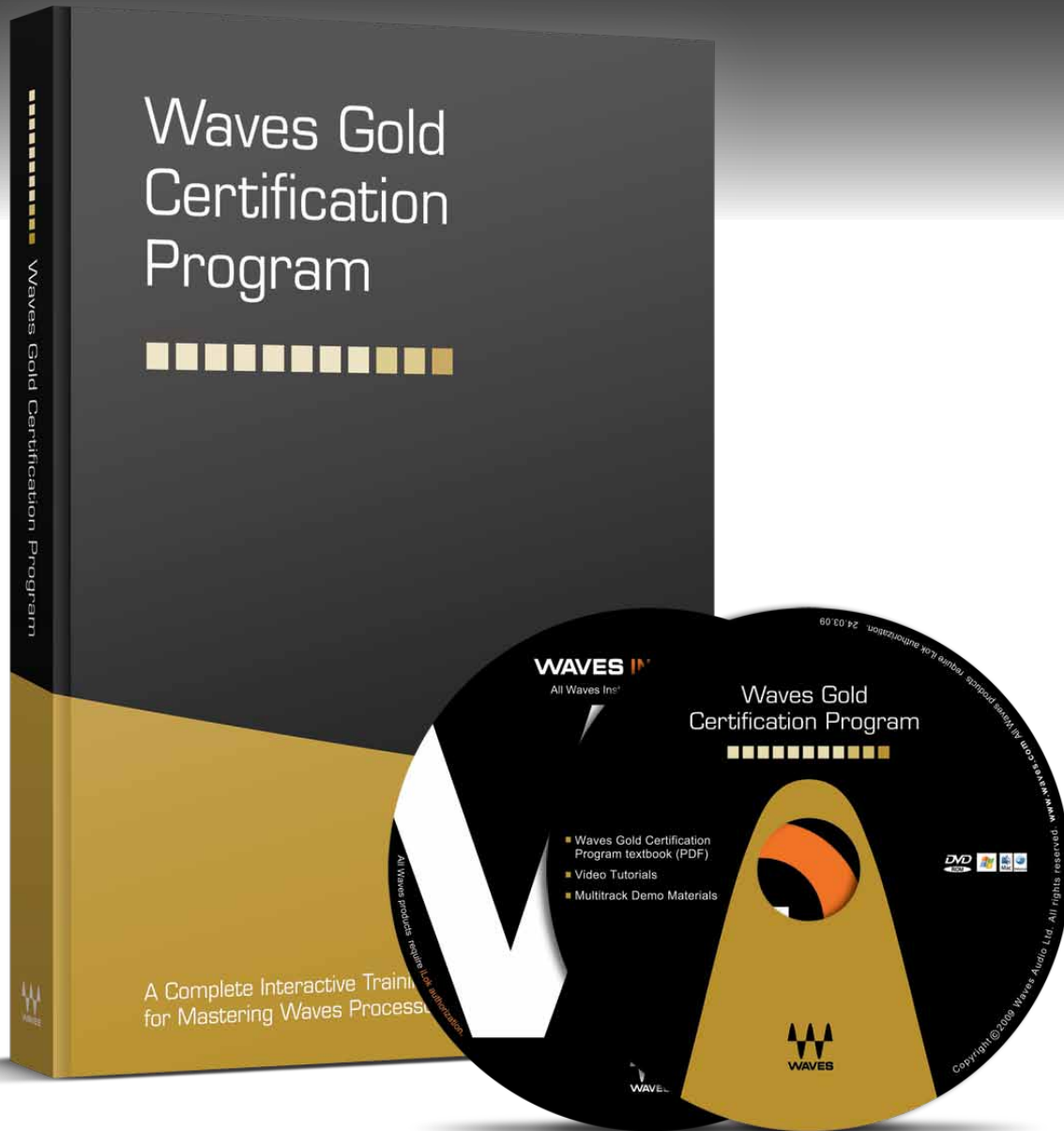
# WAVES CERTIFICATION PROGRAM



Learn the fundamentals of working with Waves plugins and get hands-on experience with the Renaissance EQ, Renaissance Compressor, Renaissance Reverb, C1 Parametric Compander, and SuperTap.

Solve common mix problems and gain mastery over the Waves interface, using multitrack “mix-minus” sessions and directed demonstrations powered by Waves OpenMix technology.

# WAVES GOLD CERTIFICATION PROGRAM





Over the past few years, thousands upon thousands of aspiring producers, engineers, and musicians the world over have completed the Waves Certification Program and learned the basics of five essential Waves plugins.

Now, Waves Gold Certification Program takes Waves training to the next level, providing a hands-on, interactive educational experience for 18 additional acclaimed Waves processors. A comprehensive course that digs in deep, the Waves Gold Certification Program will give you the audio knowledge and competitive edge you need to succeed.

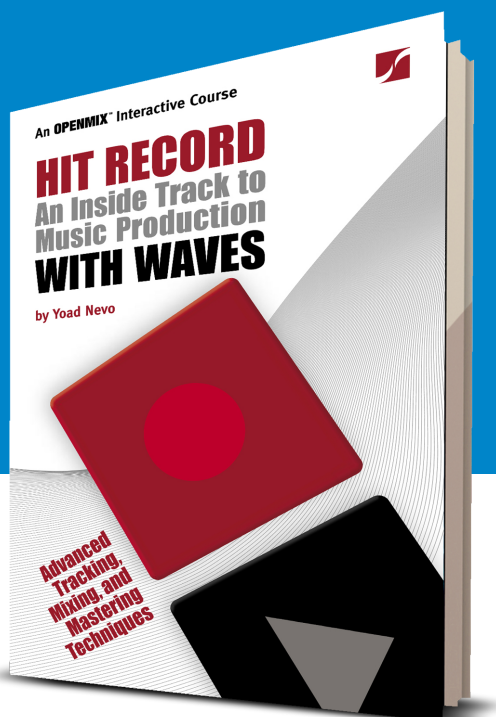
Whether you experience the Waves Gold Certification Program at a recording institute, college, or independently at your own tempo, once you complete the new Gold Certification Program, you'll not only master Waves Gold Native, you'll own it as well—in every sense of the word.

Waves Gold Certification Program comes with an easy-to-use, richly illustrated study guide, plus two DVDs containing the complete Waves Gold Native bundle, video tutorials, multitrack demos, and more! Once you complete the required coursework and pass the final examination, you'll receive a Gold Certification diploma suitable for framing and a Waves Gold Certification Program t-shirt to commemorate your audio achievement.

- L1 Ultramaximizer
- UltraPitch
- MaxxBass
- TrueVerb
- S1
- Renaissance Axx
- Renaissance Compressor
- Renaissance Equalizer
- Renaissance Reverb
- C1 Parametric Compander
- C4 Multiband
- MV2
- MetaFlanger
- MondoMod
- DeEsser
- PAZ Psychoacoustic Analyzer
- Enigma
- SuperTap
- IR-L
- Doubler
- Doppler
- Q10 Paragraphic EQ
- AudioTrack
- Waves Tune LT
- H-Comp
- H-Delay

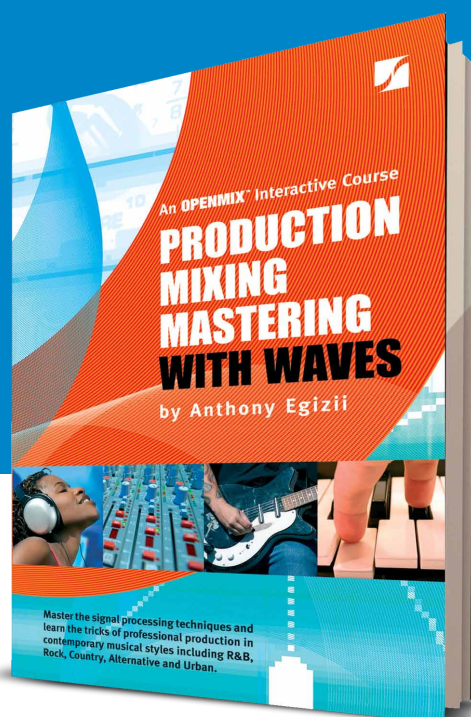
# HIT RECORD

An Inside Track to Music  
Production with Waves



In *Hit Record, An Inside Track to Music Production with Waves*, London-based hitmaker Yoad Nevo shares the exclusive recording techniques and personal musical insights he has developed over more than two decades of studio experience. As a producer, engineer, arranger, programmer, and multi-instrumentalist, Nevo's work can be heard on best-selling, critically-acclaimed releases by the likes of Bryan Adams, Jem, Pet Shop Boys, Sugababes, Air, Goldfrapp, The Bangles, Dandy Warhols, and many others.

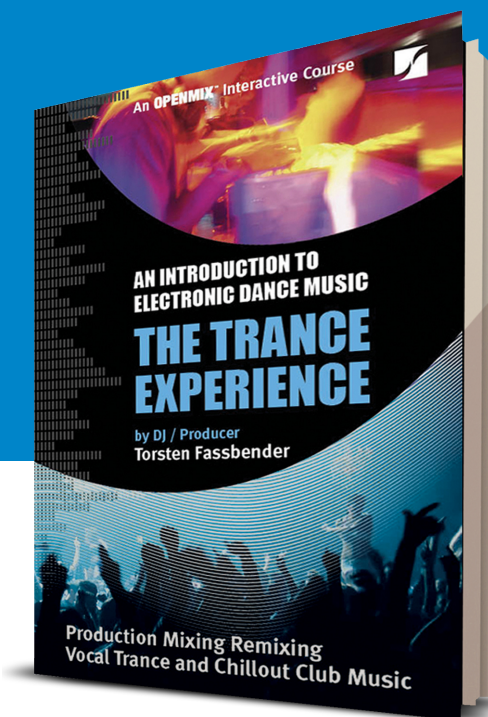
# PRODUCTION MIXING MASTERING WITH WAVES



In *Production Mixing Mastering with Waves*, acclaimed producer/songwriter Anthony Egizii guides you through the essentials of professional music production and signal processing techniques. One of Australia's busiest producers, Anthony Egizii has worked with many international superstars, and his songs have been performed by musical giants including Ray Charles, Gladys Knight and Dionne Warwick. This volume is loaded with exciting features including tips and practical applications which shed light on the hitmaking process.

# THE TRANCE EXPERIENCE

An Introduction to  
Electronic Dance Music



In *The Trance Experience, An Introduction to Electronic Dance Music*, DJ Torsten Fassbender shares his unique insights into the world of popular electronic music, giving you a rare insider's view of electronic dance music and the club scene. Fassbender's productions and remixes for artists such as Blank & Jones, Luna Park, and PPK can be found on many compilations and on the playlists of top DJs. With Fassbender as your own personal guide, you'll get valuable hands-on experience in three popular genres: Vocal Trance, Remix, and Chillout.

# 21<sup>ST</sup> CENTURY GUITARIST

Playing and Recording  
Guitar with Waves GTR



In *21st Century Guitarist*, internationally-recognized music and technology expert Craig Anderton shows you just how easy it is to plug your guitar into your computer and unleash the power of Waves GTR. Anderton guides you through GTR's huge selection of virtual amps, cabs, and effects, and shows you how to fire up the world's hottest gear—in the box. If you play guitar and want to turn your computer into a processing powerhouse, there has never been a better time—and *21st Century Guitarist* will show you how.

