

LiteLightweight	IntroEssentials	Standard	Expanded features	Suite	Complete studio
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## Overview

### Overview

LiteLightweight	IntroEssentials	Standard	Expanded features	Suite	Complete studio
5	8	13	20		
Software Instruments	Software Instruments	Software Instruments	Software Instruments		
2	4	16	33		
Packs	Packs	Packs	Packs		
1.3+ GB	5+ GB	38+ GB	71+ GB		
Presets, Samples, Loops	Presets, Samples, Loops	Presets, Samples, Loops	Presets, Samples, Loops		
16	27	42	58		
Audio Effects	Audio Effects	Audio Effects	Audio Effects		
10	12	13	14		
MIDI Effects	MIDI Effects	MIDI Effects	MIDI Effects		
8	16	Unlimited	Unlimited		
Audio & MIDI tracks					

## Live Key Features

### Live Key Features

LiteLightweight	IntroEssentials	Standard	Expanded features	Suite	Complete studio
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### Unique Session View

For quick, intuitive composition, flexible performance and improvisation.

Included      Included      Included      Included

### Nondestructive editing with unlimited undo

Included      Included      Included      Included

### Multitrack recording up to 32-bit/192 kHz

Included      Included      Included      Included

### Powerful MIDI sequencing of software and hardware instruments

Included      Included      Included      Included

### Advanced warping and real-time time-stretching

Included      Included      Included      Included

## Group tracks

Use multiple levels of groups to mix with greater flexibility and manage detailed arrangements more easily.

Included	Included	Included	Included
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## VST2, VST3 and Audio Unit v2 and v3 support

Included	Included	Included	Included
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## Time signature changes

Included	Included	Included	Included
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## Comping

Record multiple takes of a performance, then combine the best ones.

Included	Included	Included	Included
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## Multiple automation lanes

Included	Included	Included	Included
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## MIDI Polyphonic Expression

Add bends, slides and pressure for each individual note in a chord, add subtle expression variations, morph between chords and create evolving sonic textures more easily.

Included	Included	Included	Included
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## Track Freeze

Included	Included	Included	Included
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## Capture MIDI

Recall your best ideas after you've played them – Capture MIDI can turn what you played into MIDI clips, without having to think about recording.

Included	Included	Included	Included
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## Tempo Following

Live listens to and adjusts its tempo based on incoming audio in real time, making it a dynamic part of the band instead of the tempo source that everyone has to follow.

Included	Included	Included	Included
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## Note Chance

Set the probability that a note or drum hit will occur and let Live generate surprising variations to your patterns that change over time.

Not included	Included	Included	Included
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## Automatic plug-in delay compensation

Included	Included	Included	Included
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## MIDI remote control instant mapping

Included	Included	Included	Included
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## MIDI output to hardware synths

Included	Included	Included	Included
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## MIDI Clock/sync

Included	Included	Included	Included
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## Multicore/multiprocessor support

Included	Included	Included	Included
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## WAV, AIFF, MP3, Ogg Vorbis, FLAC file support

Included	Included	Included	Included
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## Ableton Link

A technology that keeps instances of Live and a growing collection of iOS apps in time over a wireless network.

Included	Included	Included	Included
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## Note Compatibility

Start musical ideas in iOS app Note, then send them to Live using Ableton Cloud.

Included	Included	Included	Included
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## Instrument Racks

Combine multiple instruments and effects into a single device, allowing for split and layered sounds with customized Macro controls

Included	Included	Included	Included
----------	----------	----------	----------

## MIDI Effect Racks

Combine MIDI effects into a single device, allowing for customized MIDI processing chains with simple Macro controls

Included	Included	Included	Included
----------	----------	----------	----------

## Drum Rack

An instrument for layering samples, synths and effects in a classic 16-pad grid

Included	Included	Included	Included
----------	----------	----------	----------

## Audio & MIDI tracks

8	16	Unlimited	Unlimited
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## Scenes

16	16	Unlimited	Unlimited
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## Send and return tracks

2	2	12	12
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## Audio inputs

Mono audio input channels

8	16	256	256
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## Audio outputs

Mono audio output channels

8	16	256	256
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## **Complex warp modes**

Advanced algorithms for stretching audio, ideal for working with mixed audio or full tracks.

**Included      Included      Included      Included**

## **Live Core Library**

Live's built-in Core Library is an extensive set of instruments, effects, sounds and presets from a wide variety of sources and genres. Updated for Live 12, the Core Library is now also completely tagged and searchable via Live 12's new tagging system.

**Included      Included      Included      Included**

## **Tuning Systems New in Live 12**

Explore tuning systems with the curated set included in the core library, or any scala file

**Included      Included      Included      Included**

## **Keys and Scales New in Live 12**

Sync MIDI effects, select device parameters and MIDI Tools to the scale of the playing Clip

**Included      Included      Included      Included**

## **Screen Reader Support New in Live 12**

Allows visually impaired musicians access to core workflows in Live using Screen Readers or other assistive technology.

**Included      Included      Included      Included**

## **Sound Similarity / Browsing New in Live 12**

Live shows you sounds in your library similar to a sound you select.

**Included      Included      Included      Included**

## **User Tagging New in Live 12**

Tag your own sounds and find them later by either filtering for the tags you want or via keyword search in Live.

**Included      Included      Included      Included**

## **Custom Browser Labels New in Live 12**

Save your search results and active filters to a custom label in the sidebar. This view can be a tag filter or a search that you want easily accessible.

**Included      Included      Included      Included**

## **Browsing History New in Live 12**

Go back and forward through your browsing history

**Included      Included      Included      Included**

## **Factory tags New in Live 12**

All included Packs in every edition of Live are now completely tagged.

**Included      Included      Included      Included**

## Linked-track editing

Link two or more tracks to edit their content simultaneously.

Not included	Not included	Included	Included
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## Audio-slicing

Slice audio to a Drum Rack or Sampler instance.

Not included	Not included	Included	Included
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## Audio to MIDI

Extract harmony, melody or drums from an audio sample and convert it to MIDI.

Not included	Not included	Included	Included
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## REX file support

Support for ReCycle/Reason audio files.

Not included	Not included	Included	Included
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## POW-r dithering

Mastering quality dithering modes for downsampling audio.

Not included	Not included	Included	Included
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## Modulation

Modulate parameters while still being able to adjust the parameter's settings

Not included	Not included	Included	Included
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## Max for Live

Powers a range of instruments and devices in Live Suite, and lets you customize or build your own devices, change the way Live works, and connect Live with the world around it.

Not included	Not included	Not included	Included
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# Software Instruments

## Software Instruments

Lite	Lite	Standard	Suite
Lightweight	Essentials	Expanded features	Complete studio

## Drum Rack

An instrument for layering samples, synths and effects in a classic 16-pad grid.

Included	Included	Included	Included
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## Impulse

A drum sampler with complex modulation capabilities.

Included	Included	Included	Included
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## Instrument Rack

Combine multiple instruments and effects into a single device, allowing for split and layered sounds with customized Macro controls.

Included	Included	Included	Included
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## **Simpler**

An easy-to-use but powerful sampler with classic synthesis parameters.

<b>Included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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## **Drift**

A characterful MPE-capable synth capable of a wide variety of sounds from every era of modern music. For all Live Editions.

<b>Included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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## **CV Instrument**

Sequence and play your modular.

<b>Not included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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## **CV Triggers**

Trigger drums and events.

<b>Not included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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## **Drum Sampler**

A flexible device tailored to playing back one-shot samples, bringing together basic sample controls and playful effects.

<b>Not included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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## **External Instrument**

A tool for integrating your external hardware synthesizers into your Live Sets with the ease and flexibility of plug-ins.

<b>Not included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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## **Drum Synths**

8 devices to create unique drum and percussion sounds using synthesis.

<b>Not included</b>	<b>Not included</b>	<b>Included</b>	<b>Included</b>
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## **Analog**

Emulates the unique character of vintage analog synthesizers.

<b>Not included</b>	<b>Not included</b>	<b>Included</b>	<b>Included</b>
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## **Collision**

Physical modeling instrument for authentic mallet percussion sounds and creative percussion

<b>Not included</b>	<b>Not included</b>	<b>Included</b>	<b>Included</b>
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## **Electric**

The sounds of classic electric pianos.

<b>Not included</b>	<b>Not included</b>	<b>Included</b>	<b>Included</b>
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## **Tension**

Physical modeling string synthesizer.

<b>Not included</b>	<b>Not included</b>	<b>Included</b>	<b>Included</b>
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Bass

A monophonic virtual analog synthesizer that provides the entire palette of bass sounds in one device – from classically deep and clean to heavily distorted, rumbling tones.

**Not included**      **Not included**      **Not included**      **Included**

## Operator

A versatile synthesizer combining frequency modulation and subtractive synthesis.

**Not included**      **Not included**      **Not included**      **Included**

Poli

A virtual analog synth designed for classic polyphonic chords and phrases. Its vintage character comes from de-tunable oscillators, a powerful modulation section and built-in chorus.

**Not included**      **Not included**      **Not included**      **Included**

## Sampler

Sampling instrument with multisample playback and import as well as profound sound design options.

**Not included**      **Not included**      **Not included**      **Included**

## Wavetable

Immediately playable, infinitely capable, Wavetable is a new synthesizer built by Ableton. Stretch, morph and shape a wide range of waveforms into a rich and vast sound palette.

**Not included**      **Not included**      **Not included**      **Included**

## Meld New in Live 12

A bi-timbral, MPE-capable Instrument designed for deep sound-shaping capabilities that generate a wide array of textural and experimental sounds using two easy-to-use macro oscillators.

**Not included**      **Not included**      **Not included**      **Included**

**Granulator III New in Live 12**

Use granular synthesis to transform a sample into textures, pads, and atmospheres.

Created in collaboration with Robert Henke.

**Not included**      **Not included**      **Not included**      **Included**

## Packs

## Packs

## Chop and Swing

A homage to the style that made sampling an art form and put a new kind of groove on the musical map. Chop and Swing comes loaded with curated recordings and professional presets perfect for cutting up and re-combining into fresh new tracks.

**Not included**

**Included**

**Included**

**Included**

## Beat Tools

With more than 120 Drum and Instrument Racks, over 180 loops for slicing, tweakable effects chains and more, Beat Tools has all the sounds you need for hands-on beatmaking – especially with Push.

**Included**

**Included**

**Included**

**Included**

## Build and Drop

Build and Drop is loaded with ecstatic leads, enveloping bass, slamming drums and a range of rises, sirens and sounds effects. A creative toolbox for building the irresistible anticipation and release this music uses to keep the party going.

**Included**

**Included**

**Included**

**Included**

## Drive and Glow

Drive and Glow combines swirling synth textures, overdriven guitars and basses and pounding drums. Carefully curated to be mix-ready out of the box, this Pack is perfect for creating tracks that radiate with saturated, indie vibes.

**Not included**

**Included**

**Included**

**Included**

## Guitar and Bass

A set of electric guitars and basses, expertly multisampled to cover different playing styles, velocities and articulations - from funky slap bass to gently strummed guitar chords.

**Not included**

**Not included**

**Included**

**Included**

## Drum Essentials

Drum Essentials is a collection of handpicked sounds selected to cover a wide range of styles. A flexible, highly refined Pack to form the rhythmic foundation of any production.

**Not included**

**Not included**

**Included**

**Included**

## Grand Piano

Multiple articulations, sampled from a carefully prepared and programmed piano to capture the virtuosity of the classical grand piano sounds.

**Not included**

**Not included**

**Included**

**Included**

## Mood Reel

A collection of sounds for making music with a modern narrative feel. Evocative layered instruments combine organic and synthetic sounds with textural elements to add mood, space and movement to productions.

**Not included**

**Not included**

**Included**

**Included**

## **Skitter and Step**

A sound collection that inhabits the space where growling basses, rinsing pads and jarring melodies collide with jagged, broken percussion. The cavernous spaces, dubby basses and tight drums are ready for production but were designed for deep sound manipulation.

**Not included**      **Not included**      **Included**      **Included**

## **Electric Keyboards**

Electric Keyboards is a new Pack featuring multisampled Fender Rhodes Suitcase, Wurlitzer A-200, and Hammond C3. Special attention was given to making this Pack sound as true-to-life and organic as possible. The result is characterful electric keys for any genre.

**Not included**      **Not included**      **Included**      **Included**

## **Orchestral Strings**

A comprehensive selection of naturally rich and dynamic stringed instruments. Features solo and ensemble violin, viola, cello and double bass, all record in their natural positions within the orchestra, complete with a number of articulations.

**Not included**      **Not included**      **Included**      **Included**

## **Session Drums Club**

A multisampled library of acoustic drums for nuanced play. Features room ambience from club environments.

**Not included**      **Not included**      **Included**      **Included**

## **Session Drums Studio**

A multisampled library of acoustic drums that reproduces the nuances of a recording session. Features clear studio recordings of world-class drum kits, properly miked and ready to play.

**Not included**      **Not included**      **Included**      **Included**

## **Synth Essentials**

Synth Essentials expands the Core Library with fresh presets for Ableton's synths and samplers. Created by top artists and sound designers, Synth Essentials makes it easy to find the sounds you need with no interruption to your creative flow.

**Not included**      **Not included**      **Included**      **Included**

## **Golden Era Hip-Hop Drums by Sound Oracle New in Live 12**

Explore the gritty drums of old-school hip hop with the new beat-focused Pack from heavyweight producer Sound Oracle. Get your hands on warm, authentic-sounding Kits with built-in effects and enhanced MPE functionality, created especially for Live 12.

**Not included**      **Not included**      **Included**      **Included**

## **Trap Drums by Sound Oracle New in Live 12**

Southern hip hop pioneer Sound Oracle puts the power of his in-demand trap beats in your hands with a Pack of 20 crisp, futuristic Kits and Clips created especially for Live 12 and loaded with MPE functionality.

**Not included      Not included      Included      Included**

### **Drone Lab**

Weave complex, evolving threads through your productions with tonal and textural samples, generative noise, multisampled instruments, plus devices and Effect Racks designed for experimentation.

**Not included      Not included      Not included      Included**

### **Drum Booth**

Drum Booth contains carefully curated samples of acoustic kits recorded in a tight, dry room. Perfect on their own or as reinforcement for electronic drums, Drum Booth also offers unique post processing options and experimental recordings not possible with standard acoustic libraries.

**Not included      Not included      Not included      Included**

### **Brass Quartet**

Features a rich blend of trumpet, French horn, tenor saxophone and trombone in your music. The instrument highlights the natural breathiness, range of expression and broad tonality of the brass quartet. Created in collaboration with Spitfire Audio.

**Not included      Not included      Not included      Included**

### **Glitch and Wash**

This collection explores the contrast of organic texture and precise rhythms – combining precision slices, jagged electronic noise and microscopic snippets of sound with warm ambient pads, textures and soundscapes.

**Not included      Not included      Not included      Included**

### **Inspired by Nature**

Six playful instruments and effects that use natural and physical processes as their inspiration. Created in collaboration with Dillon Bastan.

**Not included      Not included      Not included      Included**

### **Latin Percussion**

A collection of acoustic percussion instruments such as congas, timbales, claves, shakers, tambourines and bells from the worlds of Brazilian, Afro-Cuban and African music.

**Not included      Not included      Not included      Included**

## Orchestral Brass

A thorough set of vivid and colorful brass instruments. Features solo and ensemble French horn, trombone, trumpet and tuba, with a unique set of articulations in multiple section sizes.

**Not included**      **Not included**      **Not included**      **Included**

## Orchestral Mallets

The true essence of symphonic percussion instruments in pristine quality. Features vibraphone, marimba, xylophone, crotale, glockenspiel, tubular bells, cymbals and timpani with a variety of articulations.

**Not included**      **Not included**      **Not included**      **Included**

## Orchestral Woodwinds

Features a variety of clear and vibrant wind instruments. Includes solo and ensemble flute, clarinet, bassoon, oboe and English horn, with a broad spectrum of articulations.

**Not included**      **Not included**      **Not included**      **Included**

## Punch and Tilt

A dancefloor-ready collection of sounds focused on machine rhythms, weighty bass and dark, hypnotizing melodies, textures and noises – a rough sonic aesthetic that started with a small group of underground producers and has grown into a worldwide scene.

**Not included**      **Not included**      **Not included**      **Included**

## Singularities

Singularities makes use of single samples and finely tuned, expressive parameters to capture the sound and feel of classic synths and samplers. Included are 40 Instrument Racks, plus MIDI clips and drum kits – all the parts you need for a complete track.

**Not included**      **Not included**      **Not included**      **Included**

## String Quartet

This combination of two violins, viola and cello has a sound that is immediately intimate, and is also a great starting point for sonic exploration. Created in collaboration with Spitfire Audio.

**Not included**      **Not included**      **Not included**      **Included**

## Upright Piano

Upright Piano infuses your productions with the instrument's natural warmth. Close-recorded for an intimate feel, this classic sound is at home in many styles of music – whether it's used at its purest in a folk song or transformed in an electronic track. Created in collaboration with Spitfire Audio.

**Not included**      **Not included**      **Not included**      **Included**

## Voice Box

A comprehensive collection of contemporary vocal samples from multiple voices, a set of playable vocal instruments, and Effect Racks designed for vocal processing.

**Not included**      **Not included**      **Not included**      **Included**

## Lost and Found New in Live 12

Unexpected instruments, unique foley recordings and percussive treasures.

Transform these sounds into layers of expressive Instruments, authentic Drum Racks and playful sound effects.

**Not included**      **Not included**      **Not included**      **Included**

## Performance Pack New in Live 12

A collection of devices with functionality designed to let you control your performance in real time. Setup custom global control of your Live Set with a macro page that mimics your controller, store and recall snapshots of anything from your set to a device, loop the arrangement right where you are with the press of a button, pre-arrange your recordings in your Live Set before you even record them, and more.

**Not included**      **Not included**      **Not included**      **Included**

## MIDI Tools Pack

A collection of rhythmic and melodic MIDI Generators and Transformations from Max for Live developer Philip Meyer. Create tumbling patterns, work with evolving polyrhythms and explore stage-based sequencing.

**Not included**      **Not included**      **Not included**      **Included**

## Sequencer Pack

A set of sequencers from Ableton that incorporate new approaches to step sequencing, inspired by hardware and classic Live devices.

**Not included**      **Not included**      **Not included**      **Included**

## Audio Effects

## Audio Effects

## **LiteLightweight**

# IntroEssentials

## StandardExpanded

SuiteComplete

## features

## Audio Effect Rack

Combine audio effects into a single device, allowing for the creation of simplified Macro controls for complex effects chains.

**Included**      **Included**      **Included**      **Included**

## Auto Filter

Classic analog filter emulation with an envelope follower and LFO.

**Included**      **Included**      **Included**      **Included**

## Auto Pan

LFO-driven panning, tremolo and beat-synchronized chopping effects.

**Not included**      **Included**      **Included**      **Included**

## Auto Shift

A real-time pitch tracking and correction device, suitable for vocals and other monophonic signals. Includes a MIDI sidechain feature that allows signals to be played and harmonised polyphonically.

Not included	Included	Included	Included
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## Beat Repeat

Creative beat mangling with controlled or randomized repetitions of an incoming signal.

Included	Included	Included	Included
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## Channel EQ

A flexible and simple EQ with curves and gain ranges suitable for a variety of audio material.

Included	Included	Included	Included
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## Chorus-Ensemble

Create thickening, flanging and vibrato effects. Ensemble is a new algorithm inspired by a thick 3-delay line chorus used in the 70s for string machines.

Included	Included	Included	Included
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## Compressor

Dynamics processing to add punch and loudness.

Included	Included	Included	Included
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## CV Clock In

Control Live's tempo from your Eurorack system.

Not included	Included	Included	Included
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## CV Clock Out

Control your Eurorack's tempo from Live.

Not included	Included	Included	Included
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## CV Envelope Follower

Use the envelope of any audio material to control device parameters.

Not included	Included	Included	Included
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## CV In

Use CV signals from your gear to control parameters in Live.

Not included	Included	Included	Included
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## CV LFO

An LFO with sync to modulate up to eight device parameters with one device.

Not included	Included	Included	Included
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## CV Shaper

A flexible and envelope modulation device for creating custom modulation shapes.

Not included	Included	Included	Included
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## CV Utility

Merge multiple modulation signals to generate new shapes.

<b>Not included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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### Delay

A simple delay with Ping pong behavior, filter modulation and the ability to infinitely repeat the input signal.

<b>Included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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### EQ Three

Three-band EQ with kill switches, modeled on classic DJ mixers.

<b>Included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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### Erosion

Adds “digital”-sounding artifacts and noise to audio signals.

<b>Included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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### Gate

Dynamics processing for noise reduction and decay or reverb shaping.

<b>Not included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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### Grain Delay

Granular delay with controlled or randomized pitch.

<b>Not included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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### Limiter

Sets an absolute output limit, suitable for mastering. Now with a smoother release curve to reduce distortion, improved metering, a Mid/Side routing mode, and more.

<b>Included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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### Looper

Records, loops and overdubs audio, based on classic hardware looping pedals.

<b>Not included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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### Phaser-Flanger

Phaser-Flanger has a new, lusher sound with increased frequency and modulation ranges.

<b>Included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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### Redux

Redux adds a wider range of sounds from vintage digital gear including harsh distortion, digital and aliasing artifacts, as well as warm and saturated 8-bit textures.

<b>Included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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### Reverb

Simulates the acoustics of real or imaginary rooms.

<b>Included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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## Saturator

Waveshaping distortion for adding dirt, punch and warmth. 12.1 introduces a new Bass Shaper curve, ideal for low-end processing, and a more focused user interface.

**Included**      **Included**      **Included**      **Included**

## Tuner

Tuner shows the incoming pitch and its distance from the nearest semitone, helping you quickly get instruments in tune.

**Included**      **Included**      **Included**      **Included**

## Utility

Multipurpose tool for adjusting gain, phase, stereo width and more.

**Included**      **Included**      **Included**      **Included**

## Align Delay

A Max for Live utility delay to offset incoming signals by samples/milliseconds/meters or feet. Useful for compensating for lag in sending audio, command messages, or other signals out of the digital realm.

**Not included**      **Not included**      **Included**      **Included**

## Drum Buss

A one-stop workstation for drums, capable of adding warmth, distortion, drive, compression, transient shaping, plus a dedicated low end section.

**Not included**      **Not included**      **Included**      **Included**

## Dynamic Tube

Tube saturation for added harmonics and warmth.

**Not included**      **Not included**      **Included**      **Included**

## EQ Eight

Eight parametric filters with a variety of controls for shaping timbre.

**Not included**      **Not included**      **Included**      **Included**

## External Audio Effect

A tool for integrating your external hardware effects into your Live Sets with the ease and flexibility of plug-ins.

**Not included**      **Not included**      **Included**      **Included**

## Filter Delay

Three delay lines with independent filtering, feedback, stereo position, and more.

**Not included**      **Not included**      **Included**      **Included**

## Glue Compressor

Analog-modeled compressor based on the classic bus compressor from a famous 80s mixing console.

**Not included**      **Not included**      **Included**      **Included**

## Multi-band Dynamics

Upward and downward compression and expansion of up to three frequency bands.

**Not included**      **Not included**      **Included**      **Included**

## Overdrive

Distortion effect based on classic guitar pedals.

**Not included**      **Not included**      **Included**      **Included**

## Resonators

Five parallel, tunable resonators that apply a tonal character to incoming audio.

**Not included**      **Not included**      **Included**      **Included**

## Shifter

Classic frequency shifting, ring modulation and real-time monophonic pitch shifting, for effects ranging from subtle phasing and radically pitched to dissonant, metallic sounds.

**Not included**      **Not included**      **Included**      **Included**

## Spectrum

Realtime analysis and visualization of incoming audio.

**Not included**      **Not included**      **Included**      **Included**

## Vinyl Distortion

Emulates the noise and distortion of vinyl records.

**Not included**      **Not included**      **Included**      **Included**

## Vocoder

Classic “talking synthesizer” and robotic voice effects.

**Not included**      **Not included**      **Included**      **Included**

## Corpus

Simulates the acoustic characteristics of seven types of resonant objects.

**Not included**      **Not included**      **Included**      **Included**

## Amp

Emulates the sound and character of seven classic guitar amplifiers.

**Not included**      **Not included**      **Not included**      **Included**

## Cabinet

Emulates the sound and character of five classic guitar cabinets.

**Not included**      **Not included**      **Not included**      **Included**

## Color Limiter

Another flavor of limiting inspired by the gritty sounds achievable with hardware limiters. The Saturation and Color parameters are the key to its characterful sound.

**Not included**      **Not included**      **Not included**      **Included**

## **Convolution Reverb**

Capture the characteristic reverb of real physical spaces with advanced sound shaping.

**Not included      Not included      Not included      Included**

## **Echo**

The sound of classic analog and digital hardware delays in a single device.

**Not included      Not included      Not included      Included**

## **Gated Delay**

A delay with a gate sequencer that sends the incoming signal to a delay line on activated steps. Much like a send effect that is turned on and off in a defined rhythm.

**Not included      Not included      Not included      Included**

## **Hybrid Reverb**

Combines convolution and algorithmic reverbs. Place your sounds in any space, from accurate real-life environments to those that defy physical reality.

**Not included      Not included      Not included      Included**

## **Pedal**

Brings the analog character of overdrive, distortion and fuzz stombox effects.

**Not included      Not included      Not included      Included**

## **Pitch Hack**

A single delay line with transposition control, as well as the ability to reverse audio, randomize the transposition interval and fold the delayed signal back into itself.

**Not included      Not included      Not included      Included**

## **PitchLoop89**

Create jittery glitch effects, delayed digital shimmers and outlandish vibrato with this Max for Live pitch shifting device created in collaboration with Robert Henke.

**Not included      Not included      Not included      Included**

## **Re-Enveloper**

A multiband envelope processor that divides the signal into three adjustable frequency bands. Attack and Release knobs control the responsiveness of the effect.

**Not included      Not included      Not included      Included**

## **Spectral Blur**

Creates sounds and textures best described as reverb-like. A user-defined frequency range of a signal is blurred to create a dense, cloud of sound.

**Not included      Not included      Not included      Included**

# Spectral Resonator

A sound mangling device that can make anything passing through it sound completely unlike the source material. Use the MIDI sidechain input to process material in key with its surrounding musical elements – like playing an effect as if it were an instrument.

**Not included**      **Not included**      **Not included**      **Included**

## Spectral Time

Re-synthesize your sounds and feed them into a network of filters, dynamics, reverb and delay, to add metallic echoes, pitch shifting and space to any sound source. Freeze the sound to capture and hold a slice of the audio and alter its characteristics in real time.

**Not included**      **Not included**      **Not included**      **Included**

## Surround Panner

Multichannel Panning device for surround mixing with multi-channel speaker setups.

**Not included**      **Not included**      **Not included**      **Included**

## Roar New in Live 12

A coloring and saturation device with a variety of non-linear saturation curves. The flexible routing options allow you to work with precision, while the extensive modulation matrix lets you add dynamic motion to static sounds.

**Not included**      **Not included**      **Not included**      **Included**

# MIDI Tools

## MIDI Tools

Arpeggiate New in Live 12

One of Live 12's MIDI Transformations, Arpeggiate lets you turn the notes in your clip into a rhythmic pattern. With settings for pitch order, rate and note lengths.

**Not included**      **Not included**      **Included**      **Included**

## Span New in Live 12

One of Live 12's MIDI Transformations, time Span is a tool to elaborate phrasing and articulations in a sequence of notes, including legato and length offset

**Not included**      **Not included**      **Included**      **Included**

# Connect New in Live 12

One of Live 12's MIDI Transformations, Connect allows you to connect successive notes or chords in the input.

**Not included**      **Not included**      **Included**      **Included**

## Ornament New in Live 12

One of Live 12's MIDI Transformations, Ornament adds ornamental notes such as flams and grace notes before selected notes.

**Not included**      **Not included**      **Included**      **Included**

## Quantize New in Live 12

One of Live 12's MIDI Transformations, Live's existing Quantize feature is now implemented as a Note Transformation. The settings are available as a panel among other note transformations, which will be reflected on the audio clip side.

**Not included**      **Included**      **Included**      **Included**

## Recombine New in Live 12

One of Live 12's MIDI Transformations, Recombine changes the order of MIDI note parameters like pitch, duration and velocity.

**Not included**      **Not included**      **Included**      **Included**

## Strum New in Live 12

One of Live 12's MIDI Transformations, Strum replicates the behavior of strummed chords.

**Not included**      **Not included**      **Included**      **Included**

## Stacks New in Live 12

One of Live 12's MIDI Generators, Stacks allows you to explore different voicings in order to come up with chord progressions.

**Not included**      **Not included**      **Included**      **Included**

## Rhythm New in Live 12

One of Live 12's MIDI Generators, Rhythm allows you to generate rhythmic patterns.

**Not included**      **Not included**      **Included**      **Included**

## Seed New in Live 12

One of Live 12's MIDI Generators, Seed generates a set of notes with pitch, time, duration and velocity.

**Not included**      **Not included**      **Included**      **Included**

## Shape New in Live 12

One of Live 12's MIDI Generators, Shape is a guided melodic line generator. Select or draw an overall shape and define the octave range and density and Live adds the notes.

**Not included**      **Not included**      **Included**      **Included**

## Time Warp New in Live 12

One of Live 12's MIDI Transformations, Time Warp lets you edit and apply a tempo curve to generate an accelerando, ritardando and other speed change and movements.

**Not included**      **Not included**      **Included**      **Included**

## **Euclidean Generator New in Live 12**

One of Live 12's Max for Live MIDI Generators, generates euclidean rhythms for up to four voices simultaneously.

<b>Not included</b>	<b>Not included</b>	<b>Included</b>	<b>Included</b>
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## **Velocity Shaper New in Live 12**

One of Live 12's Max for Live MIDI Transformations, velocity shaper lets you create velocity curves with a looping envelope tool.

<b>Not included</b>	<b>Not included</b>	<b>Included</b>	<b>Included</b>
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## **MIDI Effects**

MIDI Effects

<b>Lite</b> <b>Lightweight</b>	<b>Intro</b> <b>Essentials</b>	<b>Standard</b> <b>Expanded</b> <b>features</b>	<b>Suite</b> <b>Complete</b> <b>studio</b>
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### **Arpeggiator**

Takes individual notes from a held chord and plays them as a rhythmical pattern.

<b>Included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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### **CC Control New in Live 12**

Control up to 16 CC parameters from freely-assignable Macro controls

<b>Not included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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### **Chord**

Adds up to six additional pitches to incoming MIDI notes to create chords.

<b>Included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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### **MIDI Effect Rack**

Combine MIDI effects into a single device, allowing for customized MIDI processing chains with simple Macro controls

<b>Included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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### **MIDI Monitor**

Monitor your MIDI data stream.

<b>Included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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### **MPE Control**

Adjust Live's response to MPE information from your MPE controller.

<b>Included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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### **Note Length**

Alters the length of incoming MIDI notes or triggers notes via Note Off.

<b>Included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
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### **Pitch**

Transposes MIDI notes by a specified amount.

<b>Included</b>	<b>Included</b>	<b>Included</b>	<b>Included</b>
-----------------	-----------------	-----------------	-----------------

## **Random**

Applies chance-based random transposition to MIDI notes.

**Included**      **Included**      **Included**      **Included**

## **Rotating Rhythm Generator**

Create organic rhythms and experiment with modular style beat generation.

**Not included**      **Included**      **Included**      **Included**

## **Scale**

Remaps incoming MIDI notes to different outgoing MIDI notes.

**Included**      **Included**      **Included**      **Included**

## **Velocity**

Randomizes or compresses MIDI note velocity.

**Included**      **Included**      **Included**      **Included**

## **Note Echo**

Generate echoes for MIDI notes with delay and feedback control.

**Not included**      **Not included**      **Included**      **Included**

## **Melodic Steps**

A fast and intuitive MIDI sequencer for evolving melodies with an interface designed to encourage experimentation and new discoveries through play.

**Not included**      **Not included**      **Not included**      **Included**