FL STUDIO 12
What's New?

Introducing FL Studio 12

Vectorial UI   Multi-touch   Free Update

FL Studio 12 is a complete software music production environment, representing more than 16 years of innovative developments and our commitment to Lifetime Free Updates. Everything you need in one package to compose, arrange, record, edit, mix and master professional quality music.

FL Studio 12 is the fastest way from your brain to your speakers

Notable new features

- **Updated Editions** – FL Studio <u>Fruity edition</u> gains Automation Clips. <u>Producer edition</u> gains Sytrus & Maximus. <u>Signature Bundle</u> gains Harmless, Newtone, Gross Beat and Pitcher.

- **Vectorial UI –** FL Studio is now 100% vectorial allowing it to be used on 4, 5 or even 8K monitors with pin-sharp fidelity.

- **Mixer –** Completely redesigned mixer, dynamically resizable with 6 layout styles plus 3-user configurable docking panels (left, centre and right) for track management. Multi-fader selection and adjustment. Multi-touch support. 10 FX slots per track. Many new multi-track routing automated options. Enhanced grouping and submix functions. The dedicated 'Send' channels have been replaced with general purpose send tracks and added to the overall track pool.

- **Updated plugins** – *3xOSC*, *Edison*, *Formula Controller*, *Peak Controller*, *Keyboard Controller* gain vectorial UIs. *Envelope Controller* (8 articulators, Mod X/Y envelopes & vectorial UI), *Send* (can now send to any mixer track & vectorial UI), *Hardcore* (new tube distortion effect & convolution based cabinet simulation), *Patcher* (Plugins open outside patcher. Auto patcherizing of existing plugins & multi-touch support). *Fruity Convolver* new impulse library by Soundiron. Finally, the *Channel Settings* are now integrated into the Wrapper. *ZGameEditor Visualizer* – Loads all popular video formats and 4K rendering.

- **Piano roll** – Time markers added for labelling and looping purposes. Auto-zoom can now be switched off in the General Settings. Stamp tool replaces chord tool and allows users to click in chords from a selector. Macro to find overlapping notes.

- **Playlist** – Drop multiple stems or Audio Clips on the Playlist from any Windows file browser.

- **Browser** – Category tabs (Files, Plugins and Current Project). Right-click delete option for content.

- **Multi-touch support** – Multi-touch has been extended to Mixer functions, Channel settings and Control Surface.

Vectorial User Interface

Dynamic UI

Multi-Touch

4K, 5K & 8K Monitors

FL Studio 12 introduces the biggest change to the user interface in over 10 years. High resolution video monitors are here to stay with 4K (3840x2160, 4096x2160) and 5K (5120×2880) models now flooding the market at ever lower prices. FL Studio can take full advantage of these resolutions with a pin-sharp user scalable UI. FL Studio's user selectable scaling factor ranges from 100% to 400%, so it's ready to take full advantage of even 8K (7680×4320, 8192×5120), with 16X the pixels of a 1080p monitor.

The Mixer takes advantage of the vectorial back-end to present a fully dynamic user experience. Click on the edge of the Mixer and drag it to any size. Couple this with 6 layout styles and features that dynamically adjust to the vertical zoom and FL Studio 12's Mixer is ready for any task.

Taken to the next level, the mixer can easily be rescaled to fit 'human' fingers. No more fiddling about with tiny controls on a touch screen. The larger the touch display, the bigger users can make the interface controls.

Updated Plugins

3xOSC

Peak Controller

Envelope Controller

Plugins including **3xOSC**, **Edison**, **Formula Controller**, **Envelope Controller**, **Keyboard Controller**, **Peak Controller** and **Send** have had a vectorial makeover to bring these popular tools in-line with the main UI. **Fruity Send** can now send to any Mixer Track. The **Channel Settings** now are integrated into the Plugin Wrapper simplifying workflow. There will be more plugin updates coming in future.

Edison
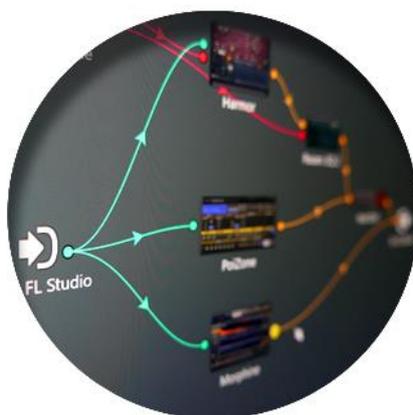
Patcher

Hard Core

Fruity Send

Formula Controller

Channel Settings

What can FL Studio 12 do?

- *Audio editing and manipulation* including pitch correction, pitch shifting, harmonization, time-stretching, beat-detection & slicing, audio warping and standard audio manipulation (cut/paste etc).

- *Automate most interface and all plugin parameters* by recording, drawing, spline-based automation curves, automation generators with formula based control of links.

- *Be hosted in other DAWs* as a VST or connected through ReWire.

- *Live music performance* including video effect visualization.

- *Mix and remix audio* including apply real-time audio effects including delay, reverb & filtering.

- *Multi-track audio recording* up to the limit of your audio-interface inputs.

- *Record & play MIDI input* recording from keyboards, drum pads and controllers.

- *Sequencing and arranging* with pattern and linear workflow possible.

- *Synthesizer & effect plugin hosting* VST 32 & 64 bit, DX and FL Native formats.

Instruments

- **Make virtually any sound –** FL Studio includes over 30 software synthesizers covering acoustic/synthetic bass, electric guitar, multi-sampler tools including piano & strings, general sample playback and beat-slicing (With Rex 1 & 2 support).

- **Synthesis techniques -** span subtractive, modelling, FM, RM, granular and additive. With the addition of FL SynthMaker you can further create & share your own FL instruments, effects & MIDI control dashboards without the need to write basic code.

- **Open plugin standards** – FL Studio supports all PC industry plugin instrument standards including VST, DX, Buzz and Rewire. This means you can sequence with your favorite plugins and applications.

Audio Recording & Editing

- **Multi-channel audio inputs** - With the ability to simultaneously capture all the inputs on your audio-interface, FL Studio has the flexibility to record a single vocalist, guitar or a full symphony orchestra.

- **Arranging audio** - Audio can be arranged, with complete freedom in the Playlist. Features include the ability to host an unlimited number of audio recordings, time-stretching, pitch-shifting, beat-slicing, cropping, editing and the re-arranging of audio with only a few mouse clicks.

- **Edison** – FL Studio's audio capabilities are further enhanced with Edison, the recording wave editor. Edison is an integrated audio editing and recording tool with spectral analysis, convolution reverb, noise reduction, loop-recording, loop-construction tools and more.

- **Newtone** – Pitch corrector/editor. Correct, slice, edit, stretch vocals, instrumentals and other monophonic recordings. Convert audio to MIDI data and re-pitch any monophonic melody to another.

FL Studio supports WAV, MP3, OGG, WavPack, AIFF, and REX audio formats.

Sequencing

Compose and record your musical performances and ideas in the most logical way.

- **Pattern or track sequencing** – You choose, record your musical performances and ideas in the most logical way. FL Studio 12 can simultaneously function as a pattern and track based sequencer. Reuse patterns as Pattern Clips in the Playlist or record song-length sequences, as desired.

- **Step sequencer or Piano roll** - Scoring tools include FL Studio's legendary Step-sequencer, one of the most advanced Piano roll's in any software studio, event and multipoint automation envelopes. FL Studio supports MIDI input, standard controller compatibility, and the ability to simultaneously control multiple instrument channels from separate controllers.

Arranging

FL Studio allows you to do what you want where and when you want.

- **Determine your own project design** - In FL12, you decide how your project will be laid out. Unlike the competition, FL12's Playlist is a totally flexible and virtually unbounded workspace where Note Pattern, Audio and Automation data can be arranged and edited to suit your creative ideas and preferred workflow.

Mixing & Mastering

FL Studio provides all the tools you need to produce your tracks to high professional standards.

- ***The mixer*** - is about precision, control and flexibility. The mixer's tracks each hold up to 10 effects (VST or FL's proprietary format). To create sub-mixes or mixing chains of almost unlimited complexity, each mixer track can be routed to any other mixer track or the Master track. Sends provide the ability to sidechain inputs to multi-input effects plugins. Finally, each of the mixer tracks can be routed to any output on your audio interface, now that's flexibility.

- ***Effects*** - What about effects? FL Studio includes more than 40 effects spanning maximization, limiting, compression, delay, distortion, equalization (graphic & parametric), filtering, phasing, flanging, chorus, vocoding and reverb. These have you covered for the creative broad-brush effects, through to the minutia of the mastering process.

- ***Open plugin standards*** – FL Studio supports all PC industry plugin effect standards including VST (1/2), DX(1/2), Buzz and Rewire. This means you can mix with your favorite plugins and applications.

Lifetime FREE Updates

There may be no such thing as a free lunch but there certainly is '**Lifetime Free Updates**' with Image Line's update policy:

- ***Never pay for bug-fixes again!*** – All customers who purchase FL Studio 12 receive Lifetime Free Updates by download. Free updates entitles the customer to all future updates of FL Studio at level purchased (Express, Fruity, Producer or Signature Bundle). For example, all FL Studio 12 customers will be able to update to a fully functioning version of FL Studio 13 and beyond, for free.

Demo Limitations

All FL Studio demo versions are fully featured, giving customers access to features associated with the highest level of the program (Producer Edition). Compose new songs and export them to WAV, MP3 or OGG. The only limitation is that projects saved in demo mode will only open fully once FL Studio and plugins have been registered. This gives you the ability to save recover your original projects post-purchase.

FL Studio Feature Comparison

FL Studio comes in three versions. FL Studio Fruity Edition, Producer Edition and Signature Bundle as shown below. These are available in Boxes or via Download.

Feature	Fruity	Producer	Signature
Playlist Features			
Audio Clips (editable track length audio)	○	●	●
Audio Recording	○	●	●
Automation Clips (spline based automation)	●	●	●
Pattern Clips (MIDI notes & event automation)	●	●	●
MIDI Support			
Import/Export MIDI Files	●	●	●
Keyboards and Controller input	●	●	●
MIDI SysEx & MMC functions	●	●	●
Mixer and FX Rack			
103 Insert/Send Tracks	●	●	●
10 FX Slots per Track	●	●	●
Patcher FX extension/rack	●	●	●
Full inter-track audio routing & side chaining	●	●	●
Piano roll & Sequencing			
Step Sequencer	●	●	●
Piano roll	●	●	●
Event Editor	●	●	●
Inputs & Outputs / Connectivity			
Directsound support	●	●	●
ASIO (includes ASIO4ALL)	●	●	●
103 external audio Inputs	●	●	●
103 external audio Outputs	●	●	●
Render to .WAV, .MP3,.OGG	●	●	●
Export mixer stems	●	●	●
ReWire Support (client and host)	●	●	●
FL Studio can be used as a VST client	●	●	●
Audio Tools			
Edison (audio editor and recorder)	○	●	●
NewTone (pitch and time editor)	○	○	●
Elastique 3 time stretching	●	●	●
Plugin Support			
VST 1, 2 & 3 Instruments/Effects	●	●	●

Feature	Fruity	Producer	Signature
Instrument & Generator Plugins			
Automation			
Automation Clip Generator	●	●	●
Envelope Controller	●	●	●
Keyboard Controller	●	●	●
Sample Playback/Manipulation			
Audio Clip Generator	○	●	●
BooBass	●	●	●
Channel Sampler	●	●	●
DirectWave Player	●	●	●
DirectWave Full	○	○	●
FL Keys	●	●	●
Fruity Pad Controller (FPC)	●	●	●
Granulizer	●	●	●
Groove Machine	○	○	○
Slicer	●	●	●
Slicex	○	●	●
SoundFont Player	○	○	●
Wave Traveller	●	●	●
Synthesizers			
3x OSC	●	●	●
Autogun	●	●	●
BassDrum	●	●	●
BeepMap	●	●	●
Drumpad	●	●	●
Drumaxx	○	○	○
Fruit Kick	●	●	●
Fruity DX10	●	●	●
Groove Machine	○	○	○
Groove Machine Synth	●	●	●
Harmless	○	○	●
Harmor	○	○	○
MiniSynth	●	●	●
Morphine	○	○	○
Ogun	○	○	○
Poizone	○	○	○
Sakura	○	○	○

Feature	Fruity	Producer	Signature
Sawer	○	○	○
Speech Synthesizer	●	●	●
FlowStone	○	●	●
Sytrus	○	●	●
Toxic Biohazard	○	○	○
Wasp/WaspXT	●	●	●
Tools/Generators			
Control Surface	●	●	●
Patcher	●	●	●
Fruity Dance	●	●	●
Dashboard	●	●	●
Fruity Video Player	○	○	●
Layer Channel	●	●	●
MIDI Out	●	●	●
ReWired	●	●	●
Effects Plugins			
Automation			
Formula Controller	●	●	●
Peak Controller	●	●	●
X-Y Controller	●	●	●
Compressors/Limiters			
Fruity Compressor	●	●	●
Fruity Limiter	●	●	●
Fruity Multiband Compressor	●	●	●
Soft Clipper	●	●	●
Maximus	○	●	●
Soundgoodizer	●	●	●
Delay/Echo			
Delay	●	●	●
Delay 2	●	●	●
Delay Bank	●	●	●
Distortion			
Blood Overdrive	●	●	●
Fast Dist	●	●	●
Fruity Squeeze	●	●	●
WaveShaper	●	●	●

Feature	Fruity	Producer	Signature
Equalization (EQ)			
Edison Equalize Function	○	●	●
Convolver	●	●	●
EQUO	●	●	●
Fruity 7 Band EQ	●	●	●
Fruity Parametric EQ	●	●	●
Fruity Parametric EQ2	●	●	●
Filtering	●	●	●
Fast LP	●	●	●
Filter	●	●	●
Free Filter	●	●	●
Love Philter	●	●	●
Vocoder	●	●	●
Vocodex	○	●	●
Phasing/Flanging/Chorus			
Chorus	●	●	●
Phaser	●	●	●
Flanger	●	●	●
Flangus	●	●	●
Reverb			
Convolver	●	●	●
Reeverb	●	●	●
Reeverb 2	●	●	●
Edison Convolution Reverb	○	●	●
Multi FX			
Effector (12 FX)	●	●	●
Hardcore (11 Guitar FX)	○	○	●
Tools			
Control Surface	●	●	●
Balance	●	●	●
Big Clock	●	●	●
Center	●	●	●
Patcher	●	●	●
dB Meter	●	●	●
HTML NoteBook	●	●	●
LSD	●	●	●
Mute 2	●	●	●

Feature	Fruity	Producer	Signature
NoteBook	●	●	●
PanOMatic	●	●	●
Phase Inverter	●	●	●
Pitcher	○	○	●
Scratcher	●	●	●
Send	●	●	●
Stereo Enhancer	●	●	●
Stereo Shaper	●	●	●
Gross Beat	○	○	●
Visualization			
Spectroman	●	●	●
Wave Candy	●	●	●
ZGameEditor Visualizer	●	●	●
Pricing			
Box SAP (inc. manual, samples, USB drive, LFU)	$139	$299	$399
Online / Box MAP (Lifetime Free Updates LFU)	$99	$199	$299

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