
Synthesizer, chord and rhythm studio, and EQ in one instrument.

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OVERVIEW

IA Synth is a polyphonic synthesizer with a chord and rhythm studio and a console-style EQ built in. It has three pages, switched with the tabs at the top.

- **SYNTH:** 120 presets and all the controls.
- **CHORDS:** genre-specific chord and progression suggestions, a piano roll, rhythm grooves, and MIDI drag-and-drop to your DAW.
- **EQ:** a 5-band EQ with HPF/LPF and presets.

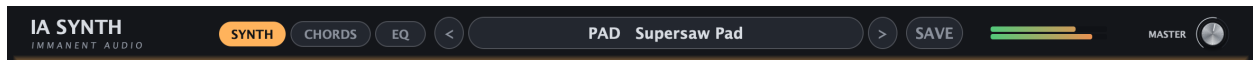


The SYNTH page with the Supersaw Pad preset.

Getting started

1. Insert IA Synth on an instrument track.
2. Pick a preset with the arrows or the preset name at the top.
3. Play from your keyboard, the on-screen keys, or your computer keyboard.
4. Open CHORDS to write a progression and drag into your DAW.

The header



Control	What it does
SYNTH / CHORDS / EQ	Switch pages.
< and >	Previous / next preset.
Preset name	Click for the full list by category, plus the user presets folder.
SAVE	Save the current sound as your own preset.
Meter	Output level.
MASTER	Output volume, -36 to +12 dB.

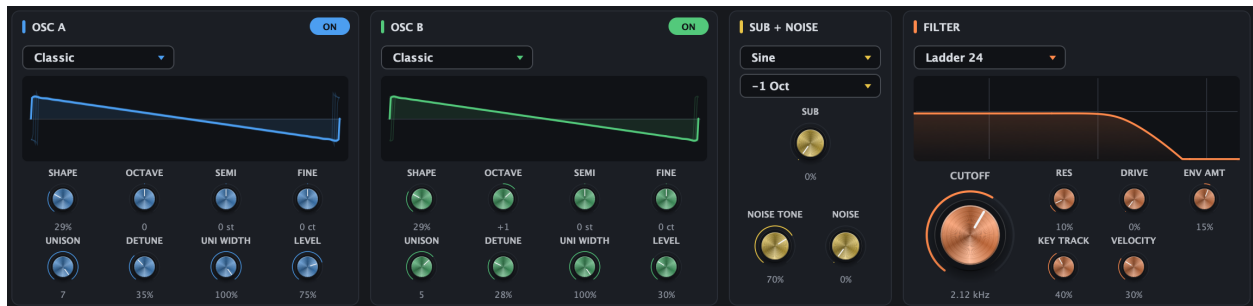
The keyboard



Click to play, or use your computer keyboard. Z and X (or the < and > buttons) move the computer keys down or up an octave.

THE SYNTH PAGE

Two oscillators, a sub and noise feed the filter and amp. Effects, stereo tools and the performance controls sit below. Sections that are switched off are dimmed.



Oscillators (OSC A and OSC B)

Control	What it does
ON	Turns the oscillator on.
Wave menu	Six morphing tables: Classic, Mellow, Sync, Organ, Vocal, FM.
SHAPE	Sweeps through the table's waveforms.
OCTAVE / SEMI / FINE	Tuning: octaves, semitones, cents.
UNISON	1 to 7 stacked copies of the oscillator.
DETUNE	How far the copies spread in pitch.
UNI WIDTH	How far the copies spread in stereo.
LEVEL	Oscillator volume.

Sub + Noise

Control	What it does
Sub wave / octave	Sine, triangle or square, one or two octaves below the note.
SUB	Sub volume.
NOISE TONE	Noise brightness.
NOISE	Noise volume.

Filter

Control	What it does
Type	Ladder 24 (warm, classic), Smooth 12, Band Pass, High Pass.
CUTOFF	Filter frequency.
RES	Resonance.
DRIVE	Saturation inside the filter.
ENV AMT	How far the mod envelope moves the cutoff, up or down.
KEY TRACK	Higher notes open the filter more.
VELOCITY	Softer notes play darker.



Envelopes

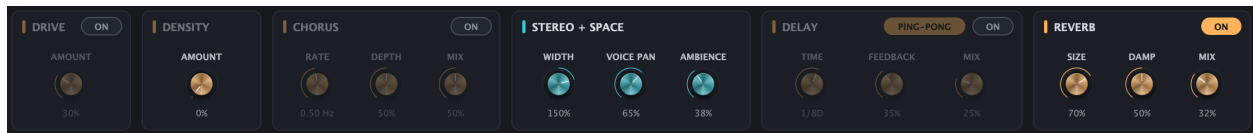
Control	What it does
ATTACK / DECAY / SUSTAIN / RELEASE	Shape of the note over time. You can also drag the handles on the display.
Amp VELOCITY	How much softer soft notes play.
MOD ENVELOPE	A second envelope. It moves the filter (through ENV AMT) and, with > SHAPE, the oscillator shape.

LFO

Control	What it does
Shape menu	Sine, Triangle, Saw, Square, Random, Pump (sidechain-style duck).
RATE	Speed in Hz. With SYNC on it becomes SYNC RATE, in note values.
SYNC / RETRIG	Lock to the DAW tempo / restart on each new note.
OFFBEAT	Shifts the cycle half a beat. Available with SYNC or RETRIG.
> PITCH / > CUTOFF / > SHAPE / > VOLUME	How much the LFO moves each of these.

Voice

Control	What it does
Poly / Mono / Legato	Chords, one note at a time, or one note without re-triggering.
Legato / Always	Glide only between overlapping notes, or on every note.
GLIDE TIME / GLIDE CURVE	How long a slide takes and its shape.
ANALOG	Subtle per-note drift in tuning and tone.
BEND RANGE / WHEEL VIB	Pitch-wheel range / mod-wheel vibrato depth.

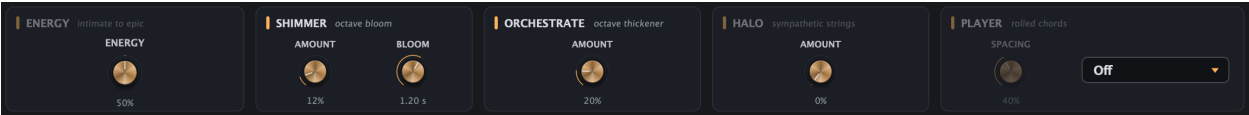


Effects

Control	What it does
DRIVE	Warm saturation.
DENSITY	Multiband compression for a fuller, closer sound.
CHORUS	Classic ensemble chorus: RATE, DEPTH, MIX.
DELAY	Tempo-synced echo: TIME, FEEDBACK, MIX, PING-PONG.
REVERB	SIZE, DAMP (darkens the tail), MIX.

Stereo + Space

Control	What it does
WIDTH	Stereo width. The low end always stays mono.
VOICE PAN	Places each voice at its own position.
AMBIENCE	A soft room space that fills the gaps between notes.

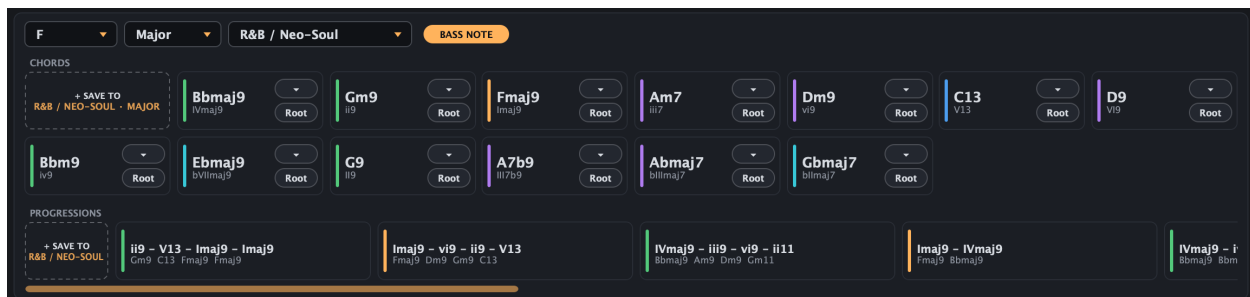


Perform

Control	What it does
ENERGY	50% is the preset as designed. Lower is more intimate, higher is bigger and brighter.
SHIMMER / BLOOM	Airy octave layers with their own reverb / how quickly they fade in.
ORCHESTRATE	Octave doubles that thicken the sound.
HALO	Strings that ring along with the chord.
PLAYER	Rolls chords like a strum: Off, Roll Up, Roll Down, Loose. SPACING sets the gap between notes.

THE CHORDS PAGE

Write progressions without leaving the plugin. Everything follows the key, so the whole library works in any key.

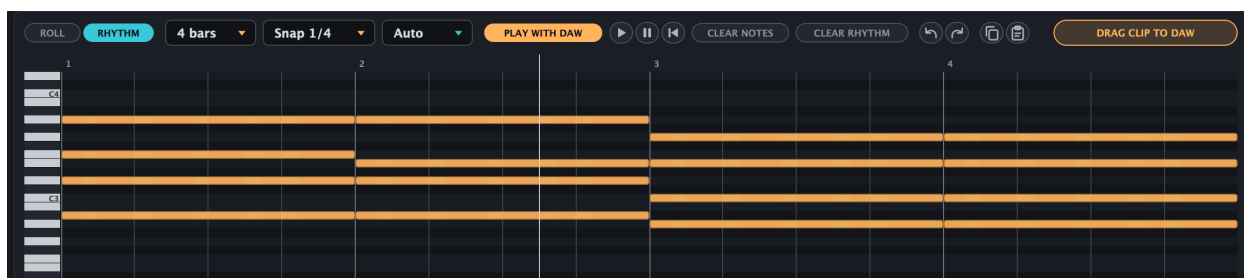


Key, mode and genre

Control	What it does
Key / Major-Minor	The key.
Genre	12 genres, each with their own chords, progressions and grooves.
BASS NOTE	Adds the root note in the bass.

Chords and progressions

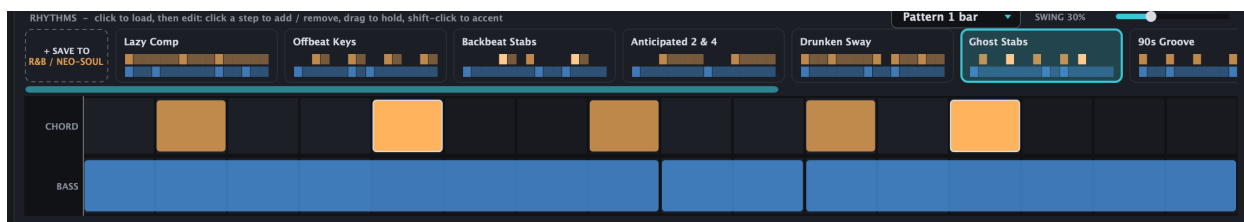
Control	What it does
Chord tiles	Hold to hear. The top button picks the chord colour and the lower one the inversion (hover the list to hear each).
Progressions	Click to loop a preview; click again to stop.
Drag	Drag any tile onto the roll, or straight into your DAW as MIDI.
+ SAVE	Saves the chord selected in the roll, or the roll's progression, to this genre. Right-click a saved tile to rename or delete it.



The piano roll

Control	What it does
ROLL / RHYTHM	Show the roll alone, or the rhythm editor under it.
Length / Snap	1 to 16 bars / grid size.
Time signature	Auto follows your DAW, or pick one.
PLAY WITH DAW	Plays the roll in time whenever the DAW plays.
Play / Pause / Back to start	Preview the roll while the DAW is stopped.
CLEAR NOTES / CLEAR RHYTHM	Empty the roll / switch the rhythm off.
Undo, Redo, Copy, Paste	Also Cmd (Ctrl) Z, C, X, V, and D.
DRAG CLIP TO DAW	Drag the whole clip into your DAW as a MIDI item.

Editing: double-click the grid to add a note (keep holding and drag to set its length), drag a note to move it, drag its right edge to resize, double-click it to delete. Drag on empty grid to select.



Rhythm

Control	What it does
Groove tiles	Click to load a groove for this genre and meter. Click the lit one to turn it off.
CHORD / BASS lanes	Click a step to add or remove a hit, drag to hold it, shift-click to accent.
Pattern / SWING	One- or two-bar pattern / how much the off-beats lag.
+ SAVE	Save the grid as your own groove.

The roll holds the harmony and the rhythm decides when it plays. Each hit plays whatever chord is current at that moment.

Playing with your DAW

- **Bar 1 of the clip** sits where you press play in the DAW, or on the loop start when the DAW is looping.
- **Switching PLAY WITH DAW on mid-song** joins at the current position.
- **While the roll has notes**, the track's own MIDI is muted.
- **Once you drag the clip into your DAW**, PLAY WITH DAW turns off, so the notes aren't doubled.

THE EQ PAGE

A 5-band EQ on the synth's output (with HPF and LPF). Changing synth presets doesn't change EQ settings.



The Warm curve, with the pad's spectrum in and out.

Curves

Control	What it does
Curve buttons	12 preset EQs.
+ SAVE	Save your own. Right-click it to rename, update or delete.
EQ IN	Bypass switch.
MATCH	Keeps the loudness level, so you hear the tone change, not a volume jump.

The display

- **Drag a dot** to move that band: left and right for frequency, up and down for gain.
- **Mouse wheel over a dot** changes its width (Q). Double-click a dot to return it to the curve.
- **The filled trace** is the sound going in; the outline is what comes out.



The bands

Control	What it does
HIGH PASS	Cuts lows below FREQ (18 dB/oct). Fully left is off.
LOW / AIR	Shelves for the bottom and top end.
LOW MID / MID / PRESENCE	Bell bands for the low, middle, and high mids.
GAIN / FREQ / Q	±12 dB / band frequency / width. Q centered is Auto and follows the gain.
LOW PASS	Cuts highs above FREQ (12 dB/oct). Fully right is off.