



# Turns everything into Lo-fi!

Lo-fi Sampling Groovebox

## LIVEN Lofi-12

We are proud to announce **version 2.0** of the firmware for the Lofi-12 which includes new features, some of which have been inspired by user requests. **The new features** expand its capabilities meaning it's easier to use whilst making it a more flexible music production tool.

- **Resampling**

Patterns and tracks can be resampled by internally recording the audio output into a new sample. Real-time resampling of your keyboard playing is also possible.

- **Chopping**

Two new voice modes called 'Drum' and 'Chop' auto-slice samples easily with the newly developed Downbeat Divider\*. Sliced sections of a sample are then spread across the keyboard making finger drumming possible.

- **Remix Effect**

A beat repeater effect 'R.MIX', added to the master effect options, makes glitchy real-time performances possible.

The new features are designed to work well with each other so you can easily create drum tracks with auto-slicing and record lively performances that are not constrained by the grid of the internal step sequencer. You can also resample samples and tracks for infinite effects processing and even build your own beats and kits ready to be sliced up in the Drum and Chop modes.

*The new features in version 2.0 will further expand your creativity. **The LIVEN Lofi-12 v2.0 makes creating music fun!***

\*...Downbeat Divider is an auto-slicing function that divides the entire sample into equal portions of equal length by setting the length of one beat. It was developed by considering how easy it would be to chop within the limitations of a maximum sample length of 4 seconds and a 4-digit LED display.

All LIVEN Lofi-12 users can download the new firmware and 8 drum kit presets for free to upgrade to version 2.0 from <https://sonicware.jp/pages/downloads>

## LIVEN Lofi-12 overview

### Retro sampling engine that can turn any sound into a cool lo-fi sound.

The LIVEN Lofi-12 has a **16bit - 12kHz/24kHz** sampling engine with the **12bit Sampler mode** that will turn any sound into a pleasing lo-fi sound. Like the many legendary samplers that were released in the late 80s, this is a genuine low-bit and low sampling frequency sound that cannot be obtained authentically with bit crusher effects and other modern sound degrading tools.

**Up to 4 seconds mono sampling** per sample slot (2 seconds mono sampling at the 24kHz mode). Start and end point trimming, pitch adjustment, reverse playback, sustain loop, filtering and LFO modulation are all possible.



### Sampled sounds are automatically assigned to the keyboard and can be played at different pitches.

Sounds sampled by the LIVEN Lofi-12 are automatically assigned to the keyboard and **can be played easily at different pitches.**

The well-known vintage sampler technique of sampling a 33 RPM vinyl at 45 RPM then slowing it down created the gritty, lo-fi sound that is often heard in '90s hip-hop. The LIVEN Lofi-12 makes it easy to recreate that sound! **88 carefully selected lo-fi presets samples** are included.

## **Equipped with a powerful 4-track step sequencer with parameter and sound locking.**

The LIVEN Lofi-12 is equipped with the powerful 4-track step sequencer that has earned the LIVEN XFM a solid reputation. You can easily create a 4-part song by selecting a sampled sound for each track, and ***with the Sound Lock function, you can easily switch sampled sounds for each phrase or sequencer step***, allowing you to use an almost infinite combination of sounds within a single song.

Also the Laid-back knob allows you to delay the start of the selected sampled sound. For example, you can slightly delay the snare drum sound in your drum pattern, or ***use the Parameter Lock function to shift the sound timing later for each step individually***.

## **11 types of Effects each track and 9 types of Master effect.**

The LIVEN Lofi-12 features independent effects on all four tracks. You can select from ***eleven types of effects*** from the LIVEN series, and the effect parameters can be automated in steps using the Parameter Lock function. In addition, ***six types of high-quality reverbs + Cassette Tape simulator, Vinyl simulator and Remix performance effect*** are included as the master effect. The send amount can be adjusted for each track for mixing.

## ***Specifications***

### **[Sampler]**

- 16bit - 12kHz or 24kHz (switchable) linear PCM sampling (mono)
- 12bit Sampler mode
- Sampling up to 4 seconds per sample (12kHz) or 2 seconds per sample (24kHz)
- Auto start sampling function with the input level (input level can be set)
- Start/end point, attack, release, pitch, and level adjustment
- Reverse playback
- Sustain loop settings
- **Resampling** v2.0
- **Chopping with Downbeat Divider** v2.0
- Maximum polyphony: 10 voices
- 128 sample memory slots (16 x 8 banks)
- Import and export of a slot or banks of samples (via MIDI)

### <Voice mode>

- 10-note polyphonic mode
- Mono mode with adjustable glide time
- Legato mode with adjustable glide time
- Arpeggiator modes (Up, Down, UpDown, DownUp, Up&Down, Down&Up, Up+1, Up+2, Down-1, Down-2, Random, Play Order)
- **Drum mode** (Polyphonic playback, set the length of one slice with Downbeat Divider) v2.0
- **Chop mode** (Mono/Choke playback, set the length of one slice with Downbeat Divider) v2.0

### <Filter>

- Low Pass
- High Pass
- Band Pass

Each track has its own filter and envelope.

### <LFO>

- Each track has one LFO which can affect both pitch and filter cutoff with separate adjustable levels.
- Adjustable LFO Shapes.
- Adjustable start time delay for each LFO.

### <SWEEP>

- Sweep with adjustable speed, range, and curve

## [Effects]

### <Track effects>

One effect per track

- Chorus
- Flanger
- Tremolo
- Delay
- Distortion
- Bit Crusher
- Low Pass Filter
- High Pass Filter
- Isolator
- Tilt EQ
- Compressor

### <Master effects>

Master effect send amount can be set independently for each track

- Hall
- Room
- Arena
- Plate
- Tunnel
- Infinity
- Cassette Tape simulator
- Vinyl simulator
- **Remix** performance effect v2.0

## **[Sequencer]**

- 4 tracks
- Up to 64 steps per pattern
- 64 patterns
- Step length can be set from 1/1 to 1/32
- Real-time recording
- Directly enter notes for each step when sequencer is on or off
- Enter longer notes (Tied notes)
- Metronome and pre-count function
- Step copy and paste function
- Track copy and paste function
- Transpose function
- Swing function
- Pattern BPM / Global BPM can be set
- Pattern chain function
- Track level and pan can be set independently
- Parameter Lock function to record parameter settings for each step
- Sound Lock function to record sound settings for each step
- RANDOM function to play back steps in random order
- STUTTER function to play back only the step being pressed
- DICE function to set the note playback probability from 25 to 100%

## **[MIDI]**

- Notes, control changes, clock input/output
- IMPORT/EXPORT of user data
- Firmware update via Sysex

## **[Unit]**

<Keyboard>

27 keys (with a hold function)

<Knobs>

- 15 physical control knobs
- Optional LATCH function prevents jumps in value when knob position and parameter values do not match.
- LCD dot indicates when a parameter value matches the saved value, or when the value has been changed.
- One physical encoder for fine adjustments.

<Audio in>

- LINE IN (stereo 3.5mm mini-jack)
- Compatible with Teenage Engineering Pocket Operator Series SYNC IN

<Audio out>

- Stereo line out (stereo 3.5mm mini jack)
- Headphone out (stereo 3.5mm mini jack)
- Compatible with Teenage Engineering Pocket Operator Series SYNC OUT
- Built in speaker

<Interfaces>

- MIDI IN connector (5-Pin DIN type)
- MIDI OUT connector (5-Pin DIN type)
- SYNC IN jack (monaural 3.5mm mini jack)
- SYNC OUT jack (monaural 3.5mm mini jack)

<Size>

297mm (W) x 176mm (D) x 48mm (H)

11.7 in (W) x 6.92 in (D) x 1.89 in (H)

<Weight>

790g

1.74lb.

<Power supply>

- 9V DC output AC adapter

Current: 1A or greater, Plug Type: EIAJ3 Standard, Inner Diameter: 1.7mm, Outer Diameter: 4.75mm, Polarity: Center +

- Compatible with power supplies designed for the Korg Volca.
- 6 AA batteries

*\*The AC adapter and batteries are not included.*

**[Accessories]**

- Warranty
- Overlay sheet for sampling & editing