# ZE KIT

## QUICKSTART

**ZeKit** is a 4-voice paraphonic microsynth with digital oscillators, the **FL A847** filter two AR envelopes and a 96-step sequencer

### SETTINGS PAGES
Open a setting page by pressing a page switch
Pressing the same switch leaves the page

### WAVE PAGE
Set the osc. **waveform** with the **binary input**
Waves 1 to 8 are **monophonic** waves
Waves 9 to 16 are **paraphonic** waves

### OPTIONS PAGE
Configure advanced sound engine options
**PLAY** forces the VCF env. to fire on each note
**REC** sets the VCF A/R env. to loop mode
**TAP** enables the VCF cutoff key-tracking
**SAVE** sets the glide = pitch smoothing

### MOTIFS PAGE
Choose the edited / played sequencer motif
using the **binary input**

⚠ CC74 cutoff is **off** when **track** is **on**

### MIDI PAGE - SPECIAL v2
Accessed by pressing WAVE & MOTIFS together
**BINARY INPUT** MIDI channel, from 1 to 16
**MODWHEEL** device fine tuning control

### CLOCK PAGE - SPECIAL v2
Accessed by pressing WAVE & OPTIONS together
**PLAY** device will sync to **MIDI clock**
**REC** device will sync to **ext. clock**
**TAP + SAVE** set ext. clock division, from 1 to 4

⚠ ext. clock has priority over the MIDI clock

### SEQUENCER OPERATION
**PLAY**
1. select the motif with the **MOTIF** switch
2. press **PLAY** to start the playback
3. enter any MIDI note to transpose the motif
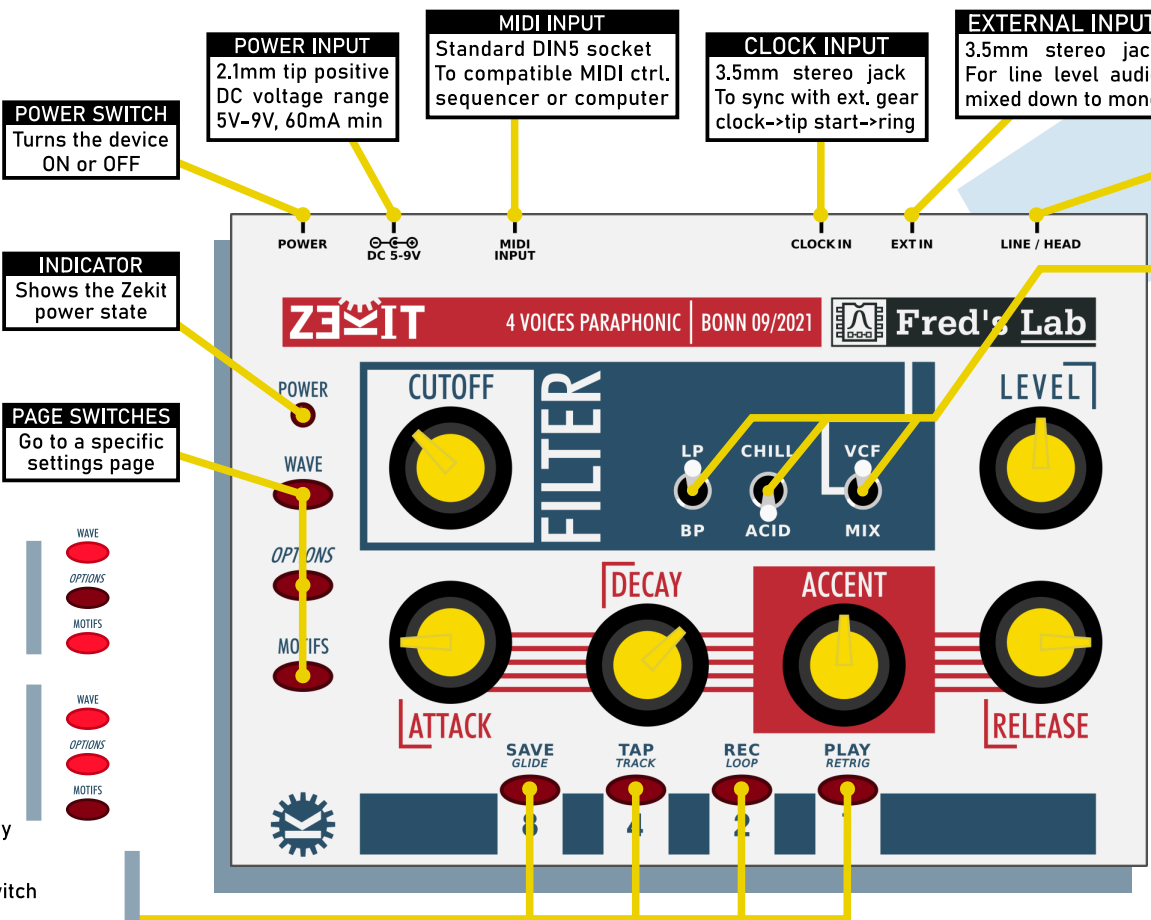4. press **PLAY** again to stop the playback

**RECORD**
1. press **RECORD** to engage step recording mode
2. enter MIDI notes or chords (max 4 notes)
3. insert rests by pressing the **SAVE** switch
4. insert ties by pressing the **TAP** switch v2
5. press **PLAY** or **RECORD** to end recording

**TAP** press **TAP** 3 times in a row to define the tempo

**SAVE** press **SAVE** to store the edited motif in memory
(when sequencer is not playing nor recording)

### POWER INPUT
2.1mm tip positive
DC voltage range
5V-9V, 60mA min

### MIDI INPUT
Standard DIN5 socket
To compatible MIDI ctrl.
sequencer or computer

### CLOCK INPUT
3.5mm stereo jack
To sync with ext. gear
clock->tip start->ring

### EXTERNAL INPUT
3.5mm stereo jack
For line level audio
mixed down to mono

### LINE / HEAD
6.35mm line level stereo jack
To a mixing desk, headphones
or an audio interface.
Use only unbalanced cables

### POWER SWITCH
Turns the device
ON or OFF

### INDICATOR
Shows the Zekit
power state

### PAGE SWITCHES
Go to a specific
settings page



### TOGGLE SWITCHES
| | |
|---|---|
| LP / BP | set lowpass or bandpass mode |
| CHILL / ACID | set the VCF resonance level |
| VCF / MIX | route ext. in to VCF or mixer |

### MIDI IMPLEMENTATION
| | |
|---|---|
| NOTE | on / off |
| CLOCKS | tick, start, continue, stop seq. |
| PITCHBEND | alter pitch of notes played |
| MODWHEEL | apply vibrato on pitch v2 |
| CC70 | control oscillator waveform |
| CC71 | control seq. selected motif |
| CC74 | control VCF cutoff frequency |

### BINARY INPUT
Numbers are entered using the **binary input**

Below the seq. switches are figures that must be added together

**8 4 2 1**

**8 4 2 1** **EX => 4 + 1 = 5**

Here 4 & 1 switches are enabled, this gives a 5

## ADDITIONAL TIPS & TRICKS

### FILTER BOX
When an **audio signal** is fed to the **external input** and the **VCF / MIX** switch is set to **VCF**, the **ZeKit** can be used as a simple filter box. Envelopes can be triggered by playing MIDI notes above **96 = C7**.

### CHAINING DEVICES
An other machine can be mixed with the **ZeKit** output using the **ext. in.** and routing it to **MIX**. It reduces the number of cables needed :-).

### CUTOFF LFO
Enabling the env. loop mode and playing with short **ATTACK,** short **DECAY** times and **ACCENT** gives an extra modulation source.

### SUPPORT
Please send all your feedback and support requests to: **support@fredslab.net**

Or via post to:
**Frédéric Meslin Audiogeräte**
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This product has been carefully designed and tested by **Fred's Lab** and is guaranteed to meet **CE, FCC** and Canadian regulations