

# DIATONICA

Free VST2 / VST3 Mono Sequencer Synth plugin for Windows by **OVM PLUGIN**

## A / SEQUENCER

### LEFT :

- Mute : Set step silent when unchecked
- Note : Set note pitch (-48 to 48 semitone range)
- Gate : Modify Note length (Increase or decrease value)
- Slide : Tied notes (see Right panel)

### RIGHT :

#### MAIN

- Div : number of division per beat (1 = quarter note, 2 = 1/8<sup>th</sup> note...)
- Step : from 1 to 16 step loop
- Dir : Forward / Backward / Pendulum playback direction, relative to step loop
- Swing : Shuffle feel for division 2 and 4 (1/8<sup>th</sup> and 1/16<sup>th</sup>)
- Slide : Long = TB303 like (tied notes), Short = individual step Glide
- Harmo : Harmonize sequence in Major or Minor scale with each diatonic note corresponding to its own mode, and non-diatonic notes harmonized with diminished intervals. Minor scale borrow the 5<sup>th</sup> mode of harmonic minor scale (Dominant phrygian). Interval change are not displayed
- Key : Harmonizer key (see Record)
- Shift : Move pitch step by step on the right
- Auto : Shift on each new note
- REC : Record sequence with a Midi Keyboard. Semitone 0 corresponds to selected Key within the 4<sup>th</sup> octave (A4 to Ab4)
- Reset all sequencer parameters at once to default value

#### RANDOM

- Mute : Random mute probability (long slide may yield unpredictable results)
- Length : Random gate value probability
- Oct : Random octave probability (-1 octave or +1 octave). Each one may be deactivated (- / + buttons)
- Scale : Scale choice for randomizer (1<sup>st</sup> step is always 0, randomizer create a random pitch sequence in the given scale on other step)
- Trigger : Trigger a new sequence
- Auto : Trigger on each new note

#### MODE

- Pattern or Song mode : Select one of the two mode  
\*PATTERN\*
- Choice : Select one of the 8 pattern to program
- Copy / Paste : Copy and paste between pattern for fast programmation  
\*SONG\*
- Pattern length = Set 1 or 2 bars (depends on step length, regardless of direction)
- Chain from 2 to 8 different pattern (click on the small numbers to set the loop)
- Select : Click on each box to select one of the 8 pattern to be played
- Root : Select the root note for each pattern in the song loop (-12 to 12 semitone range)

## B / OSCILLATORS

### LEFT :

- Waveform : Two oscillators (A / B) waveform list
- Vol / Semi / On : Volume, Semitone range and On/Off for each (A / B)
- Mod : Modifier for each waveform : Waveshaper for Sine, Quantizer for Triangle and Ramp, PWM for Square and Pulse, Detune for SuperSaw (none for Noise).
- Fat or Stereo : Stereo spread for each oscillator
- Fine : Unison Fine detuning
- Sync : Fixed rate LFO detunes slave osc B synced by master osc A (not for SuperSaw B)
- Zap : Short pitch effect
- FM : Osc A modulator, Osc B carrier (not for Super Saw)

### RIGHT :

- Filter type : Select one of the filter in the list
- Cutoff : Filter cutoff frequency
- Reso : Filter resonance
- Atk / Dec / EG : Filter envelope Attack / Decay / Amount (EG = Envelope Generator)
- LFO / Rate : Filter LFO amount and rate (rate also applies to Sub filter, not the amount)

### BOTTOM : OSCILLATORS EFFECTS

- Pan / Rate : Auto-Pan
- OD / Gain : Overdrive
- Chorus / Phaser with Rate : Chorus **or** Phaser effect (click on the small button to select)
- Delay / Speed / Feedback : Select Mono or Stereo delay (small button)
- Reverb / Time : Reverb amount and time (in second)
  
- Gate / Master : Oscillators note length and global volume (osc + sub)

## C / SUB

- On / Off button
- Gate / Level / Waveform / Octave / Fine : Note length / Volume / Saw or Pulse / Osc B -1 octave (unchecked) / Unison fine detuning
- Track : Follow or not Pitch and Mute sequence
- Filter controls : Cutoff / Resonance / Envelope Decay + Amount (EG) / LFO amount

MIDDLE : Preset browser / Reset all synth parameters at once (arrow right)

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