Operation Manual

VST SOUND INSTRUMENT SET

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Velocity

Allows you to specify the influence of the incoming MIDI velocity on the filter envelope modulation depth.

- Set Velocity to positive values to reduce the intensity of the envelope for decreasing velocities.
- Set Velocity to negative values to reduce the intensity of the envelope for increasing velocities.

Envelope

Adjusts the cutoff modulation of the filter envelope.

Negative values invert the modulation direction of the filter envelope.

Attack

Controls the attack time of the filter envelope.

Decay

Controls the decay time of the filter envelope.

Sustain

Controls the sustain level of the filter envelope.

Release

Controls the release time of the filter envelope.

Amp Section

The Amp section contains the amplifier and amplifier envelope parameters.

Velocity

Allows you to specify the influence of the incoming MIDI velocity on the amp envelope modulation depth.

- Set Velocity to positive values to reduce the intensity of the envelope for decreasing velocities.
- Set Velocity to negative values to reduce the intensity of the envelope for increasing velocities.

Level

Adjusts the level of the program. If you add distortion to the filter by increasing the Drive parameter, you may have to adjust the level to compensate for the increase in gain.

Pan

Adjusts the panorama position of the signal. This is particularly useful for drum sets and sliced loops, where you can specify the pan position individually for each drum instrument or slice.

Attack
: Controls the attack time of the amplifier envelope.

Decay
: Controls the decay time of the amplifier envelope.

Sustain
: Controls the sustain level of the amplifier envelope.

Release
: Controls the release time of the amplifier envelope.

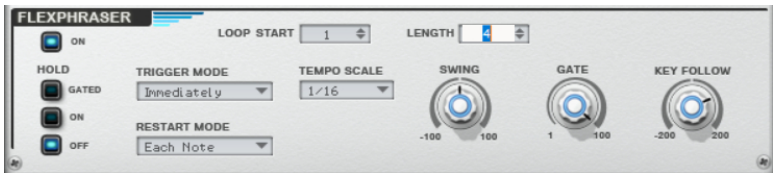
FlexPhraser Section

The FlexPhraser is a versatile phrase player and arpeggiator that allows you to play everything from basic arpeggios, instrument phrases, and rhythmic chords to drum patterns. Depending on the selected phrase, you can adapt the harmonic phrase structure by playing on your keyboard.

NOTE

Which controls are available depends on the program type: synthesizer sound, drum set, or sliced loop.

FlexPhraser Parameters for Sliced Loop Programs



FlexPhraser On/Off
: Activates/Deactivates the FlexPhraser section.

Loop Start
: Allows you to shift the start of the loop in steps of quarter notes. If the Length setting is at the maximum value, the loop is shortened accordingly.

Length
: Allows you to shorten the length of the loop by shifting the end of the loop in steps of quarter notes.

NOTE

The control range of the Loop Start and Length parameters depends on the original length of the loop.

Hold
: Allows you to prevent the phrase from stopping or changing when the keys are released.

- If Off is selected, the phrase changes as soon as you release a key. The phrase stops immediately when you release all keys.
- If On is selected, the phrase plays to the end, even if the keys are released. If Loop is activated, the phrase repeats continuously.
- If Gated is selected, the phrase starts to play when the first key is played. It plays silently in the background, even if the keys are released, and resumes

playback at the current position when you press any of the keys again. This way, you can gate the playback of the phrase.

Trigger Mode

Determines at which moment the arpeggiator scans for new notes that you play on the keyboard.

- If Immediately is selected, the arpeggiator continuously scans for new notes. The phrase changes immediately in reaction to your playing.
- If Next Beat is selected, the arpeggiator scans for new notes at every new beat. The phrase changes in reaction to your playing on each new beat.
- If Next Measure is selected, the arpeggiator scans for new notes at the start of new measures. The phrase changes in reaction to your playing on each new measure.

Restart Mode

- If this is set to Off, the phrase runs continuously and does not restart at chord or note changes.
- New Chord restarts the phrase on new chords.

NOTE

The phrase does not restart upon notes that are played legato.

- New Note restarts the phrase with each new note that you play.
- Sync to Host aligns the phrase with the beats and measures of your host application each time that you start the transport.

Tempo Scale

Defines the rate at which notes are triggered, that is, the speed at which the phrase is running.

Swing

Shifts the timing of notes on even-numbered beats. This way, the phrase gets a swing feeling. Negative values shift the timing backward and the notes are played earlier. Positive values shift the timing forward and the notes are played later.

Gate

Allows you to shorten or lengthen the notes of the phrase. At a value of 100 %, the notes play with their original gate length.

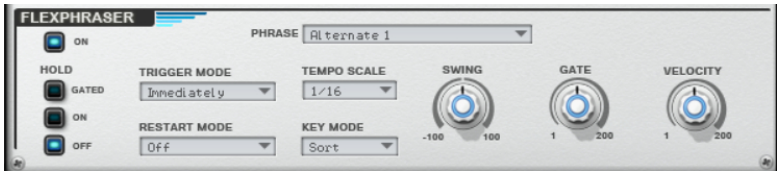
NOTE

For sliced loops, you cannot set values higher than 100 %, that means, slices can only be shortened.

Key Follow

Allows you to vary the pitch of the slices with the notes you play. Notes lower than the original pitch (C2) can either raise or lower the pitch by up to 200 % per octave.

FlexPhraser Parameters for Synth Programs and Drum Sets



FlexPhraser On/Off

Activates/Deactivates the FlexPhraser section.

Phrase

Allows you to select a phrase.

Hold

Allows you to prevent the phrase from stopping or changing when the keys are released.

- If Off is selected, the phrase changes as soon as you release a key. The phrase stops immediately when you release all keys.
- If On is selected, the phrase plays to the end, even if the keys are released. If Loop is activated, the phrase repeats continuously.
- If Gated is selected, the phrase starts to play when the first key is played. It plays silently in the background, even if the keys are released, and resumes playback at the current position when you press any of the keys again. This way, you can gate the playback of the phrase.

Trigger Mode

Determines at which moment the arpeggiator scans for new notes that you play on the keyboard.

- If Immediately is selected, the arpeggiator continuously scans for new notes. The phrase changes immediately in reaction to your playing.
- If Next Beat is selected, the arpeggiator scans for new notes at every new beat. The phrase changes in reaction to your playing on each new beat.
- If Next Measure is selected, the arpeggiator scans for new notes at the start of new measures. The phrase changes in reaction to your playing on each new measure.

Restart Mode

- If this is set to Off, the phrase runs continuously and does not restart at chord or note changes.
- New Chord restarts the phrase on new chords.

  NOTE

  The phrase does not restart upon notes that are played legato.

- New Note restarts the phrase with each new note that you play.
- Sync to Host aligns the phrase with the beats and measures of your host application each time that you start the transport.

Tempo Scale

Defines the rate at which notes are triggered, that is, the speed at which the phrase is running.

Key Mode

Defines whether the order in which the notes are played on the keyboard affects the playback of the phrase.

- If Sort is selected, the notes are played in the order of the selected phrase. The chronological order does not have any influence.
- If As Played is selected, the notes are played in the order in which you play them on the keyboard.

- If Direct is selected, the phrase creates controller events instead of notes. You hear the notes that you play plus any controller events of the phrase, such as pitch bend, volume, pan, etc.

  NOTE

  Not all phrases contain controller data.

Swing

Shifts the timing of notes on even-numbered beats. This way, the phrase gets a swing feeling. Negative values shift the timing backward and the notes are played earlier. Positive values shift the timing forward and the notes are played later.

Gate

Allows you to shorten or lengthen the notes of the phrase. At a value of 100 %, the notes play with their original gate length.

Velocity

Allows you to raise or lower the note-on velocities of the phrase. At a value of 100 %, the notes play with their original velocity.

Usage of the HALion and HALion Sonic Edit Pages

In HALion and HALion Sonic, you can also edit program parameters on the regular Edit page that is available for all programs.

The Edit page offers more parameters than the macro page and gives you access to all available sound-relevant parameters. For detailed information about these parameters, see the corresponding documentation.

In HALion Sonic, you open the Edit page by deactivating Show Macro Page on the toolbar.

Parameter Automation

All parameters can be automated, except for the Mono and Poly parameters in the Voice section and the Step, Level, and Snap parameters in the Step Modulator section.