



Blast Delay

User Manual

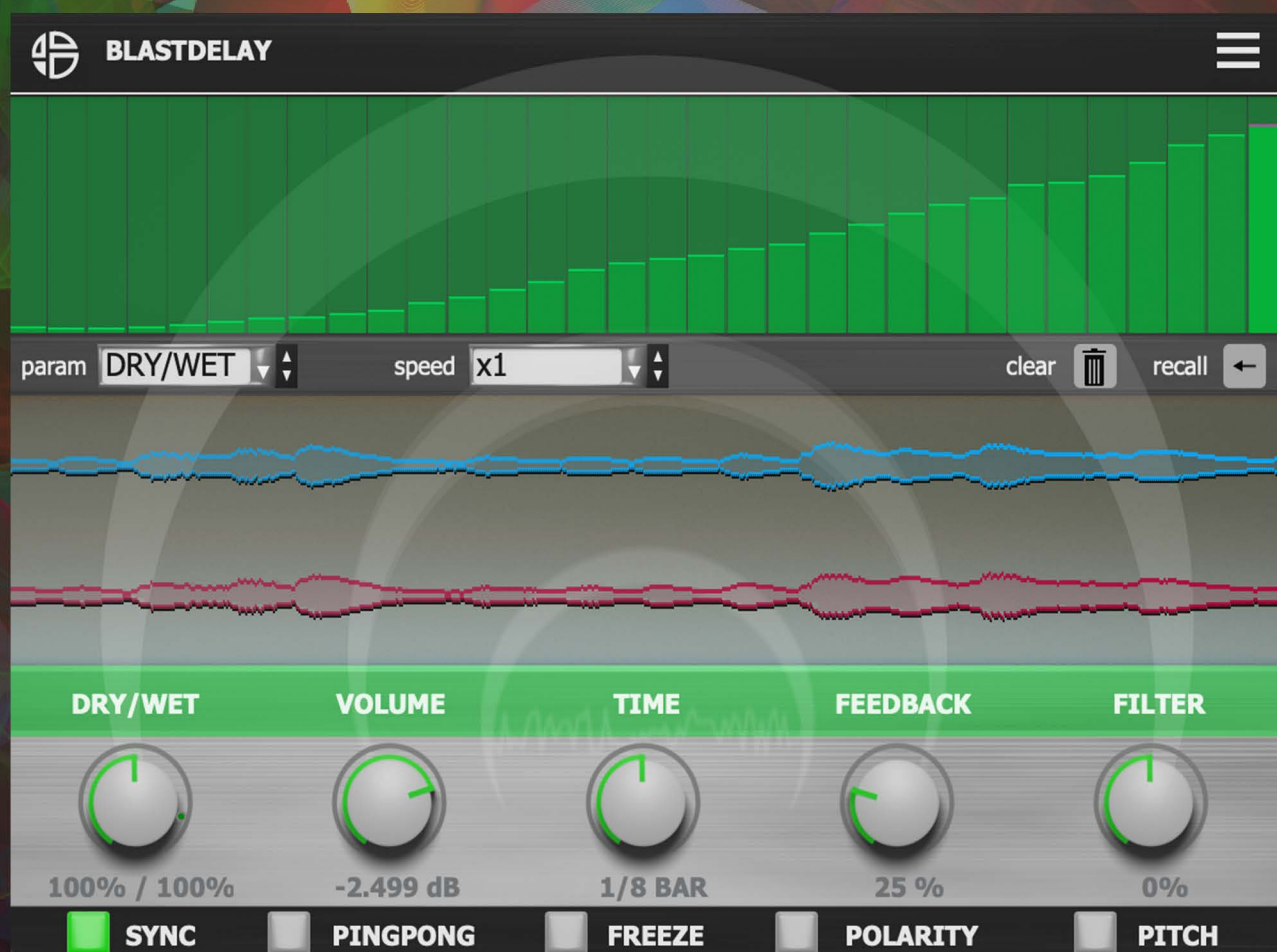
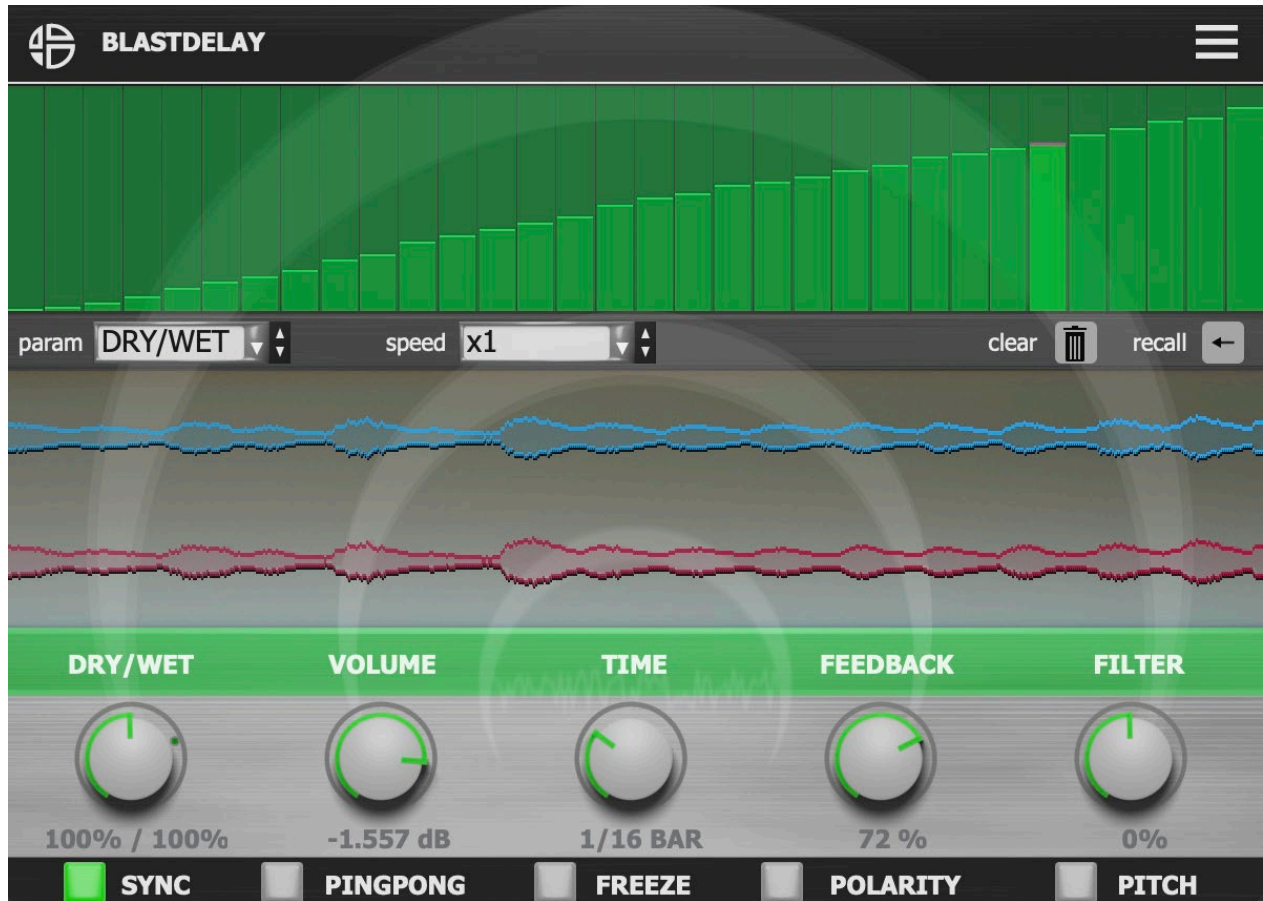


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1.Main features



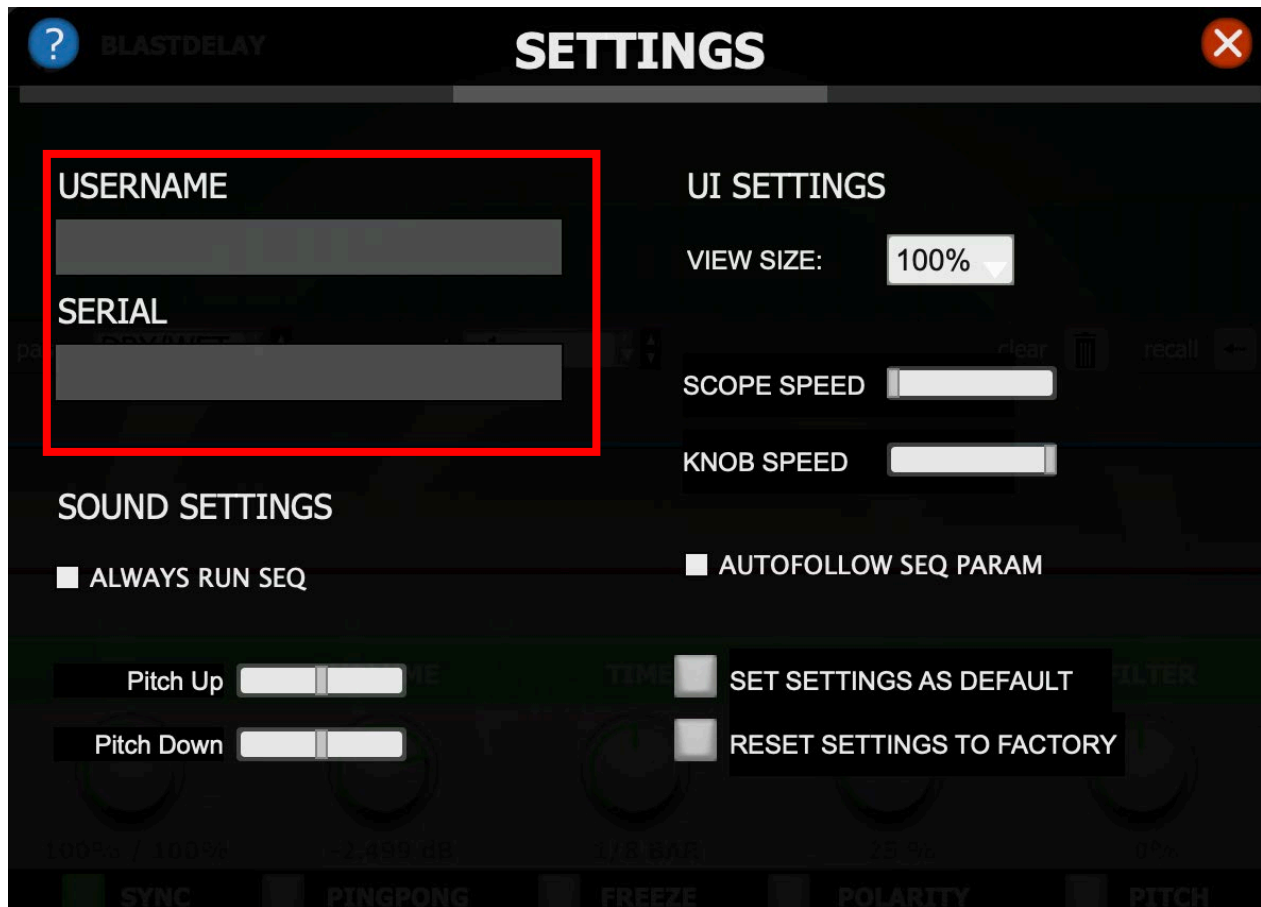
Welcome to Blast Delay

Blast Delay is a simple and intuitive delay with a built in parameter sequencer.

You can program independent loops of motion sequences for each knob with independent speeds.

With Blast Delay you can tweak your effect in live situations and recall all the parameters in the sequencer.

2. Activate the Blast Delay



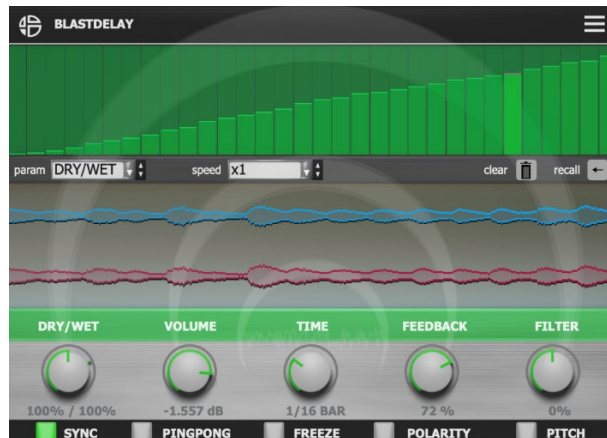
The first time you launch the Blast Delay in your DAW the settings view of the Blast Delay appears.

Enter your user name (ex : user@audioblast.me) and the serial you received by e-mail then press Enter and exit the setting view by clicking on the red cross on the top right of the Interface.

Until the VST is unlocked you will have no sound!

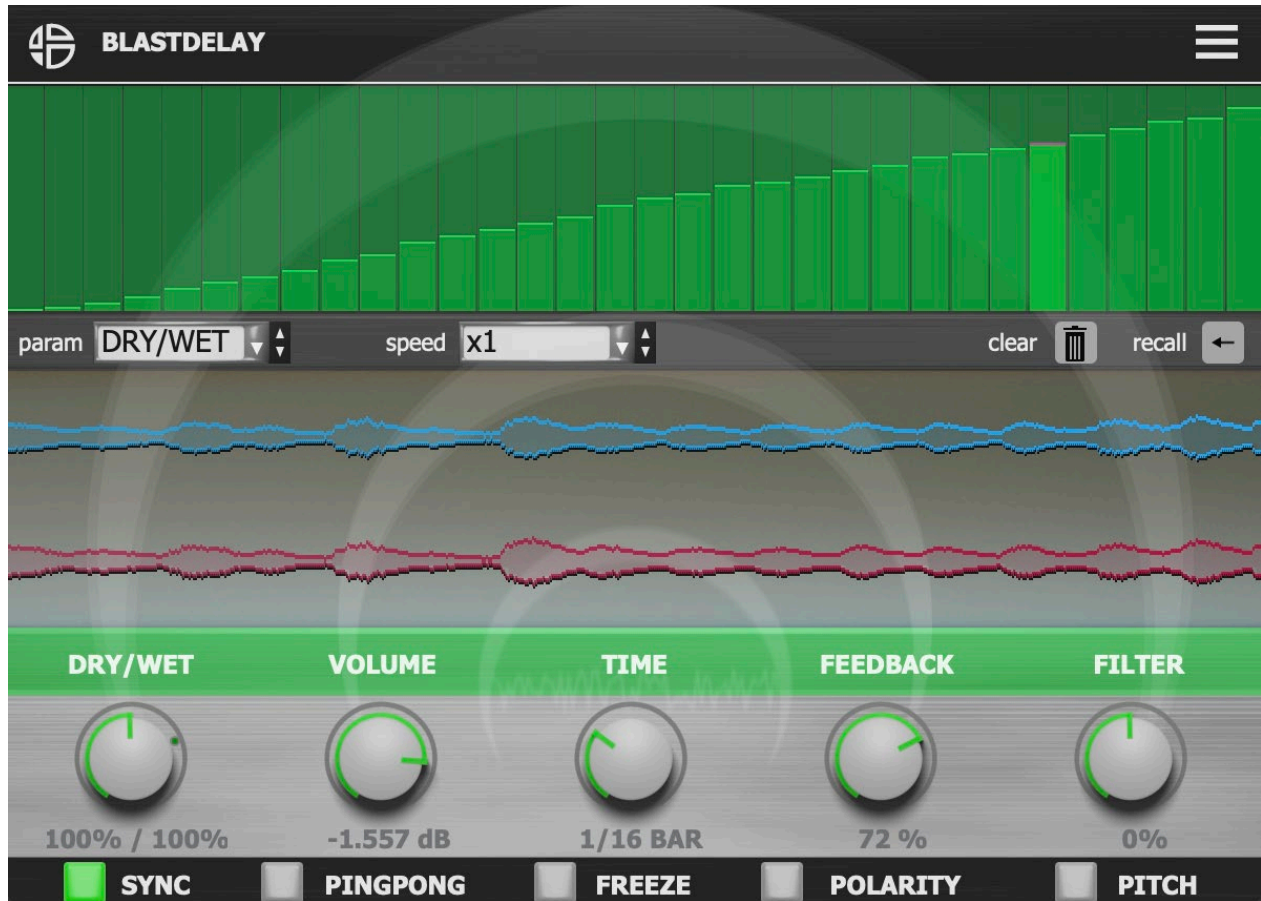
Once unlocked, the **Blast Delay** is automatically host synchronised, just push the play button of your DAW and enjoy!

3. Panel Descriptions



Elements	Description
DRY/WET	The Dry/Wet control adjusts the balance between the processed and dry signals.
VOLUME	The Volume parameter adjusts the volume of the processed signal.
TIME	The Time parameter adjusts the time of the delay in milliseconds or from 1 Bar to 1/128 when sync button is activated.
FEEDBACK	The Feedback parameter defines how much of each channels output signal feeds back into the delay lines inputs.
FILTER	From -100 to 0 the parameter works as a low pass filter, from 0 to 100 it works as a hi pass filter.
SYNC	If the Sync switch is on, the delay time is synced to the tempo from 1 Bar to 1/128. If the Sync switch is off, the delay time reverts to milliseconds. In this case, to edit the delay time, click and drag up the Delay Time knob.
PING PONG	When the Ping Pong switch is activated, the signal jumps from the left to the right output.
FREEZE	This button will loop the delay buffer the input signal is no more processed by the Delay
POLARITY	It inverts the phase in effect by 180°, the effect is more interesting on low value of TIME with high feedback.
PITCH	Pitch button on causes a pitch variation when changing the delay time, similar to the behavior of old tape delay units.

4. Basic Operations



There are 5 knobs to adjust the delay parameters:

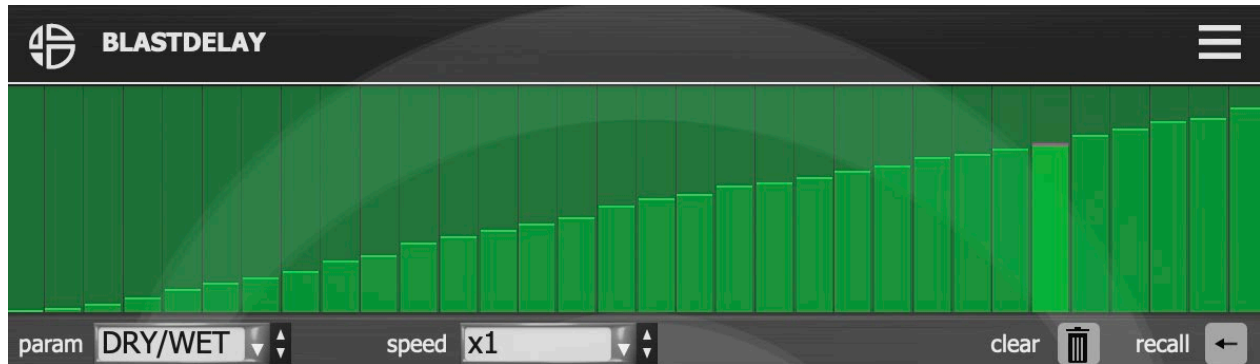
- **DRY/WET:** adjusts the balance between the processed and dry signals
- **VOLUME:** sets the level of the delayed signal
- **TIME:** sets the delay time
- **FEEDBACK:** sets the level of signal reinjected in the delay line
- **FILTER:** turn left for lowpass filter, turn right for high pass filter

To use the “**ping pong**” mode, push the led button in front of the label.

To use the “**sync**” mode, push the led button in front of the label.

Ctrl + click or double click on each knob will reset the knob at their default value.

5. Param Sequencer



The sequencer allows you to sequence all the parameters of the Blast Delay to pre-program motion sequences of parameters in loops.

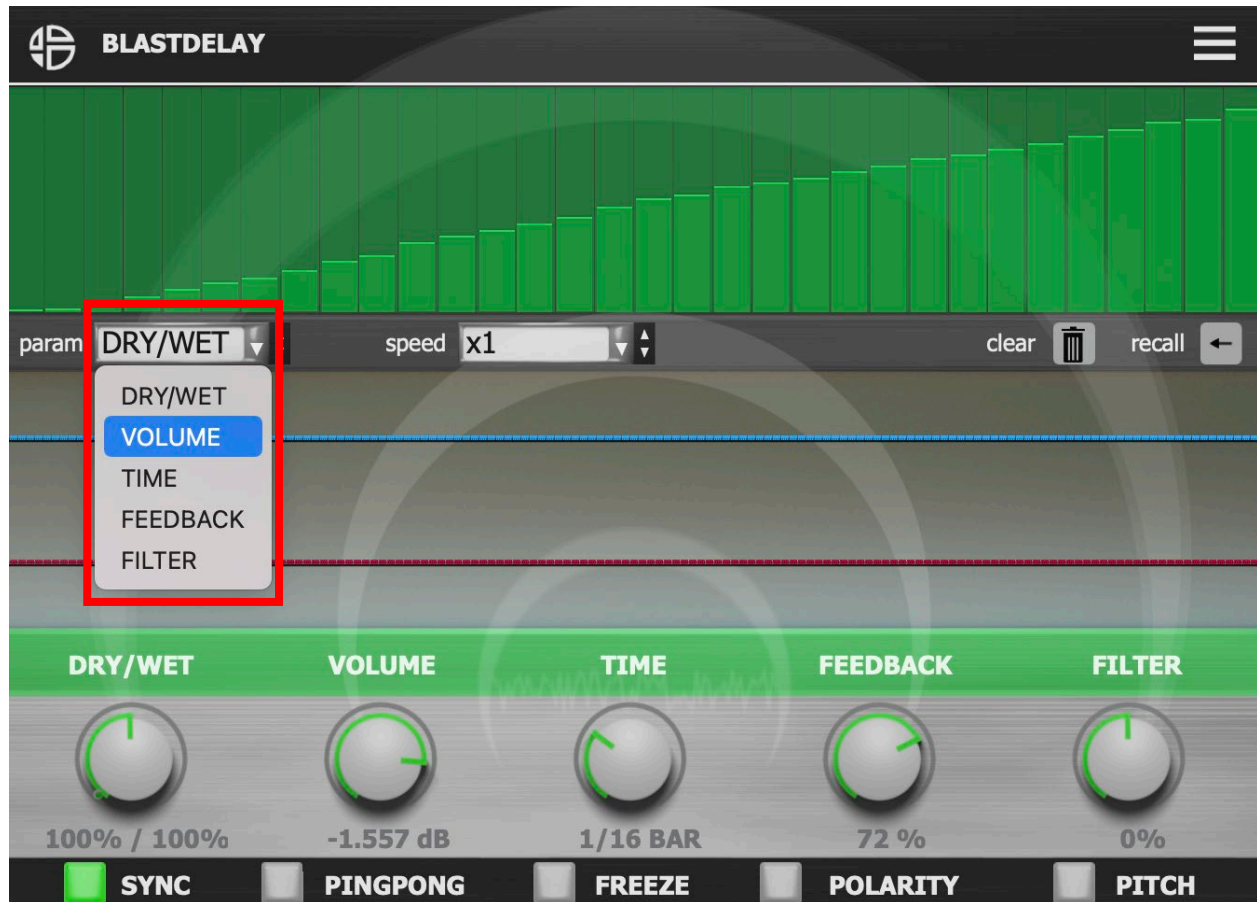
The sequencer is synchronized to the hosts tempo and each step of the sequencer represents the value in percentage of the parameter from 0 to 100%.

On the step sequencer:

- **Ctrl + click + drag/move mouse:** the steps are returning to default value.
- **Shift + click + drag/move mouse:** keeps your sequence changing the values of all the steps.
- **Double click:** sets maximum value of parameter.
- **Right click:** sets minimum value of parameter.
- **Ctrl + shift + click:** sets default value of the parameter for the active sequence.

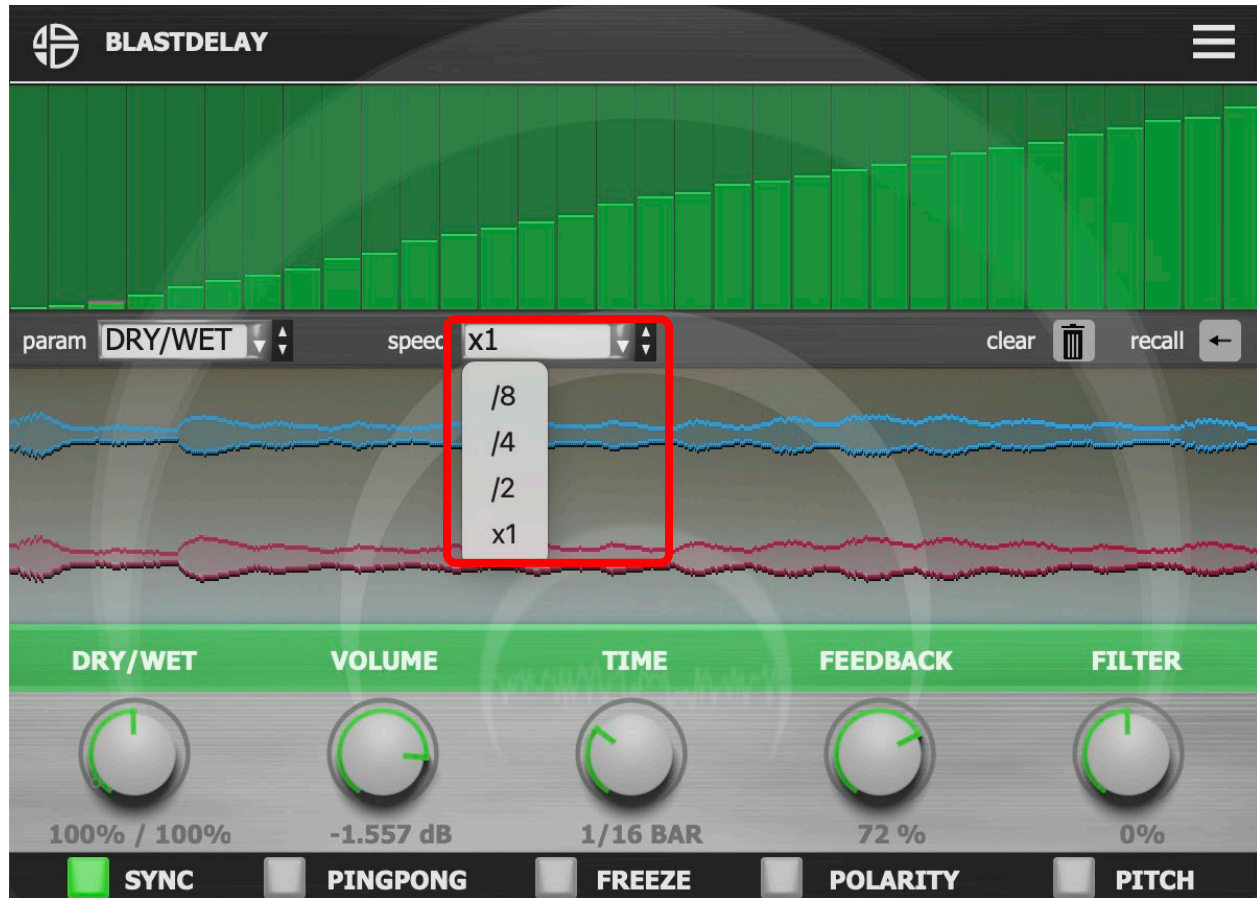
5.1 Sequence Parameters

5.1.2 Param



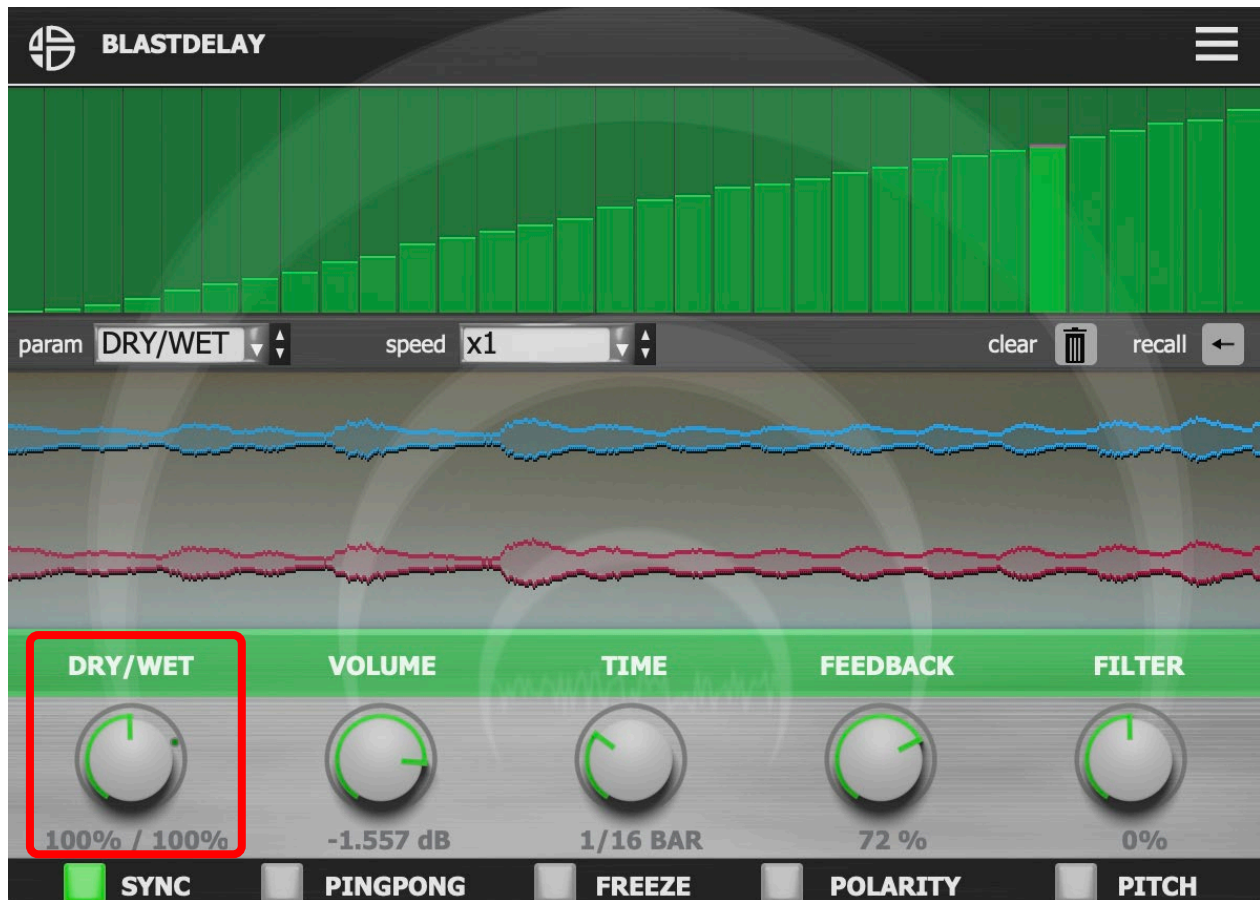
Element	Description
Param	Selects the parameter of the selected loop (here “Volume”) to modulate in the step sequencer.

5.1.3 Speed



Element	Description
Speed	<p>Allows you to change the param sequencer speed. Each loop can have a different sequencer speed.</p> <p><u>Example:</u> You are editing a parameter of the “DRY/WET” in the sequencer, if you change the sequencer “speed” “/2”, the playing speed of all the parameters of the “DRY/WET” will be played at this selected speed. The speed of the sequencer is synced to the Host tempo.</p>

5.1.4 Create a parameter sequence

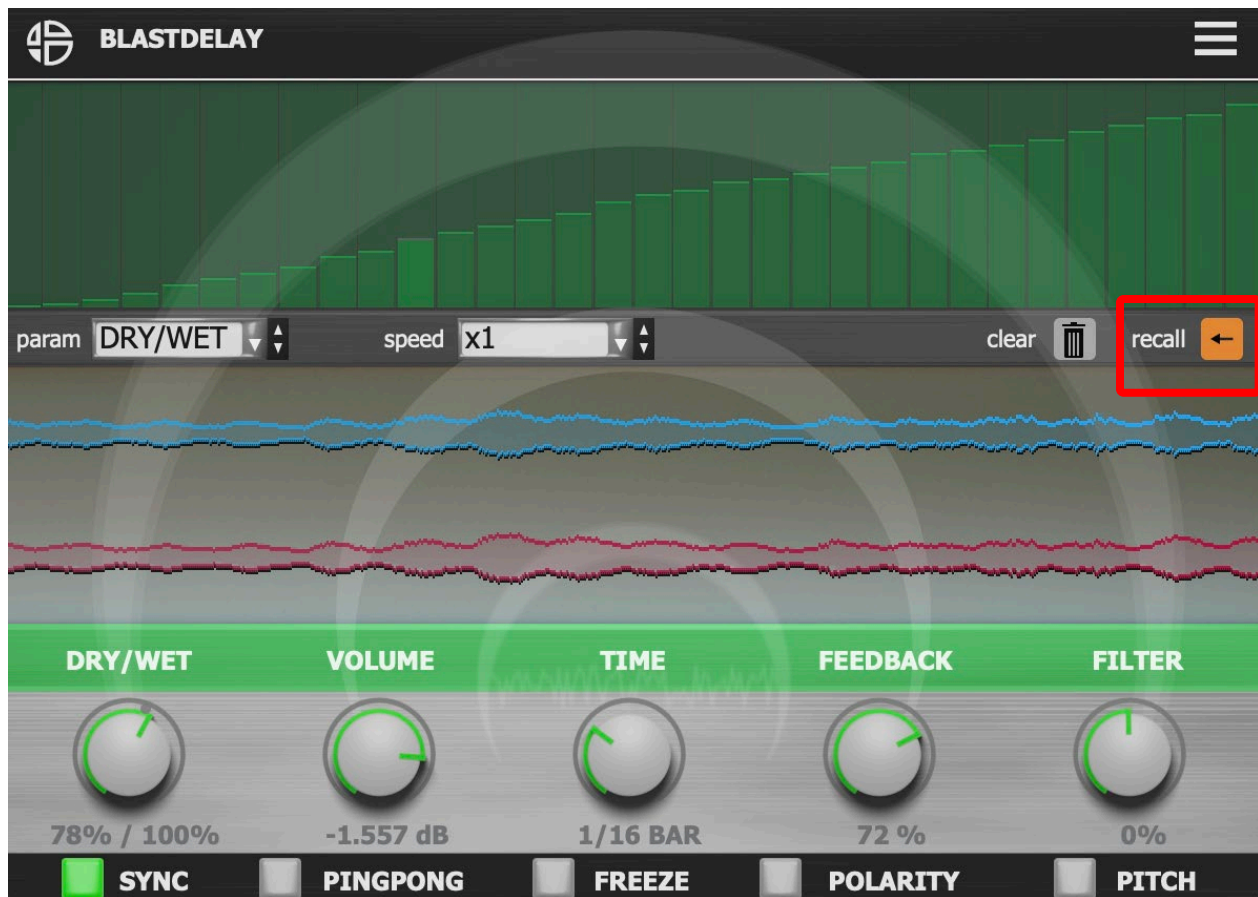


Element	Description
32 Bars parameter Sequencer	Once you selected the parameter to sequence, just click on the bars to create a sequence (you can also use the mouse wheel on each bar to get more precision). The corresponding parameter will be highlighted with a moving LED representing the sequence when the loop is activated. Each bar corresponds to the values of the parameter on each step of the sequencer.

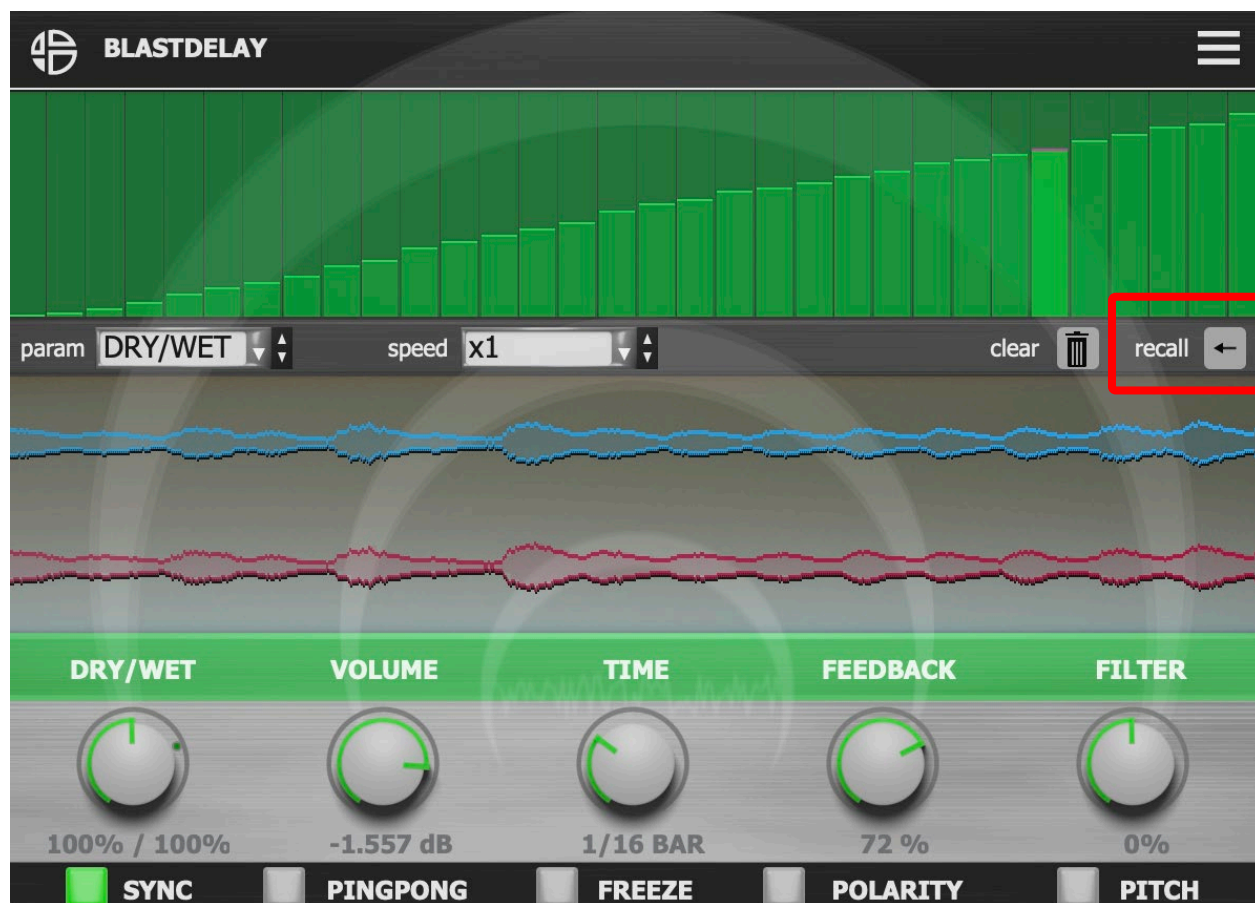
Note: If you already made an automation in the DAW, it takes priority control of the parameters.

When an unlighted LED appears around the knobs, it means the parameters are sequenced. Once you activate a loop the LEDs highlights to indicate the sequence is active on loop.

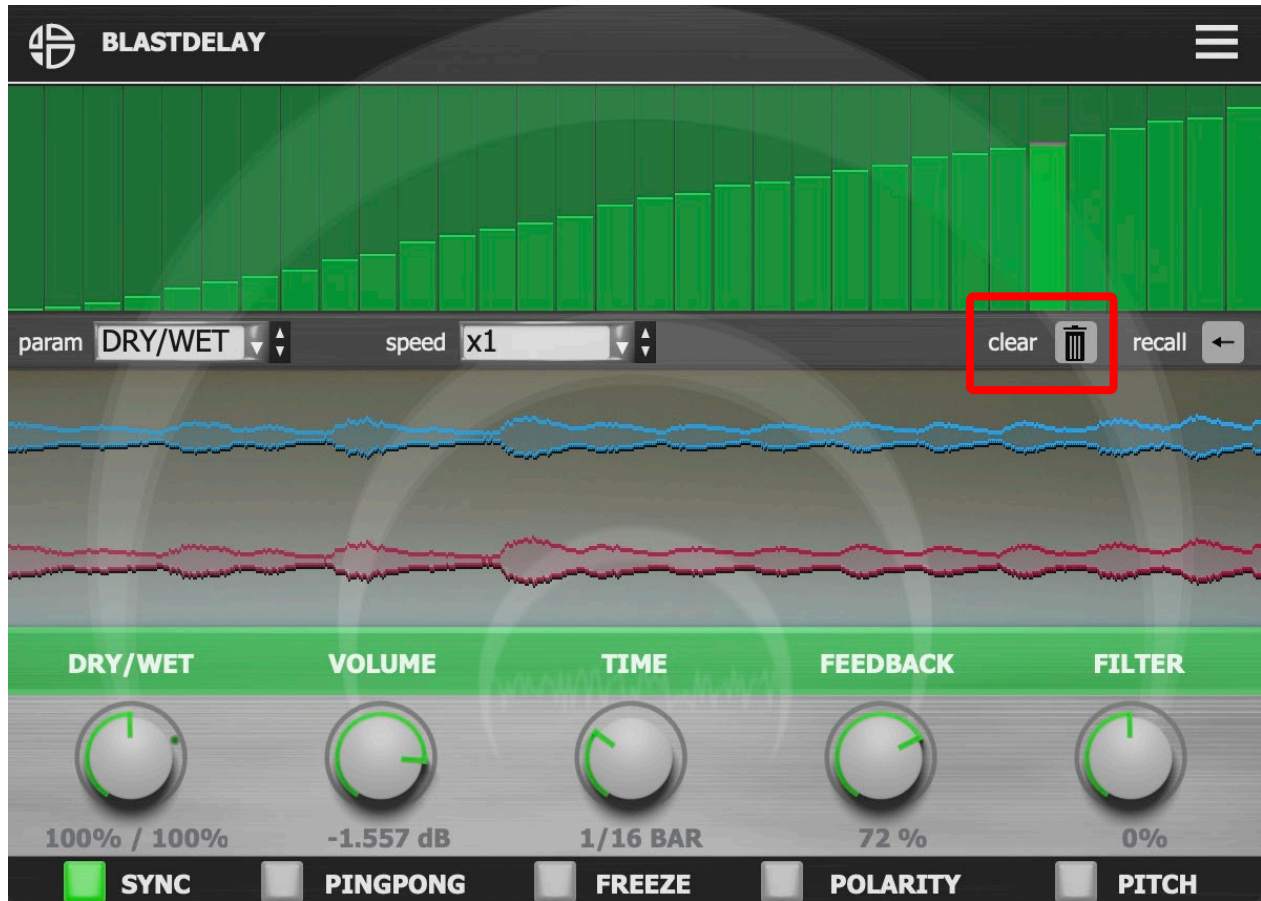
5.1.5 Recall



Element	Description
Recall	This button is highlighted when the user takes the control back of the inner sequenced parameter. It reminds you that the current state of the parameter is no more sequenced. You can click on it to reactivate all the sequences of the parameters.



5.1.6 Clear Sequence

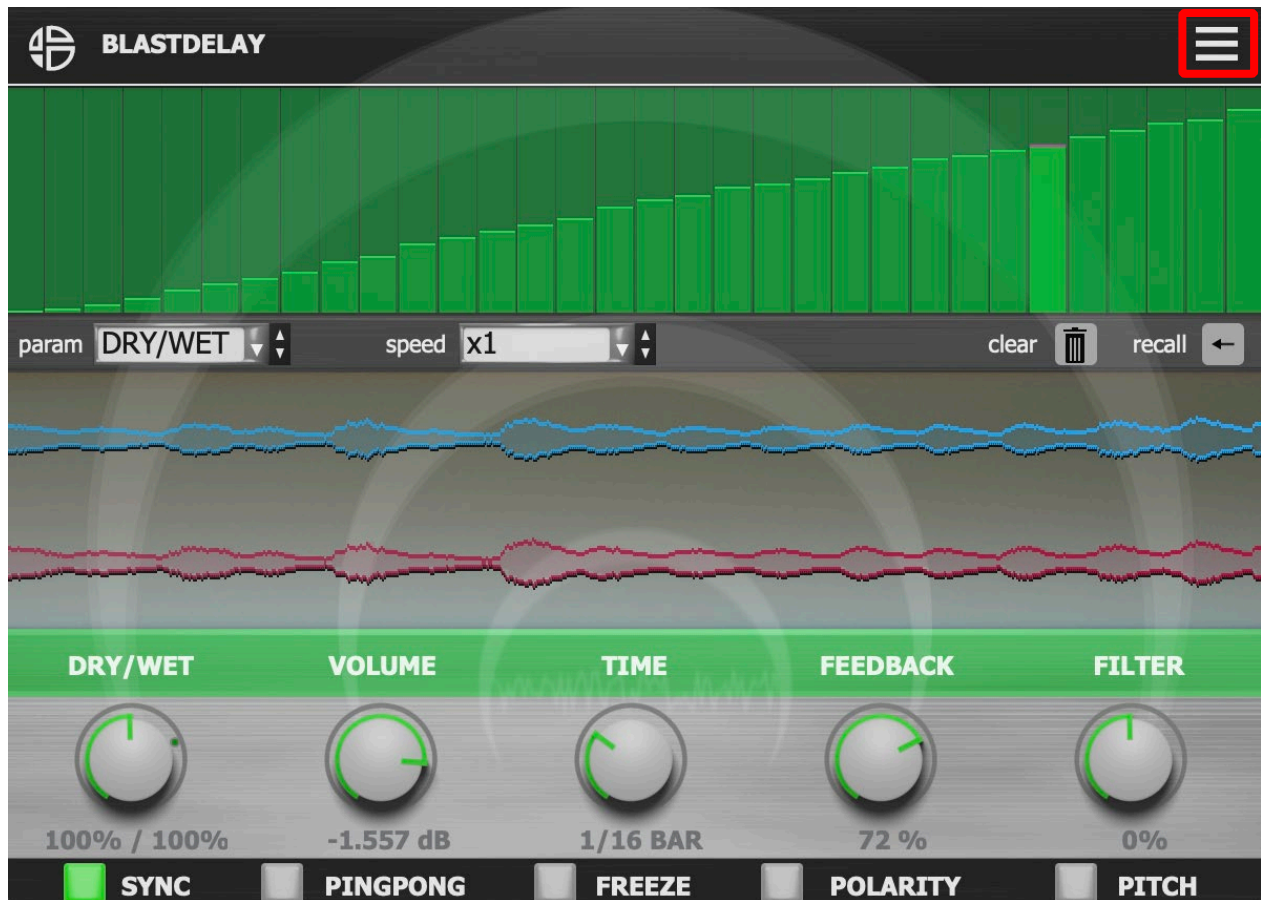


Element	Description
Clear	To clear a parameter sequence, click on the clear button to reset the sequence at the default value. The parameter sequencer will be unlighted, and the selected parameter will be no more sequenced. Once pushed the LEDs around parameters disappears.

Note: By pushing [clear](#) button, you will clear only the selected parameter

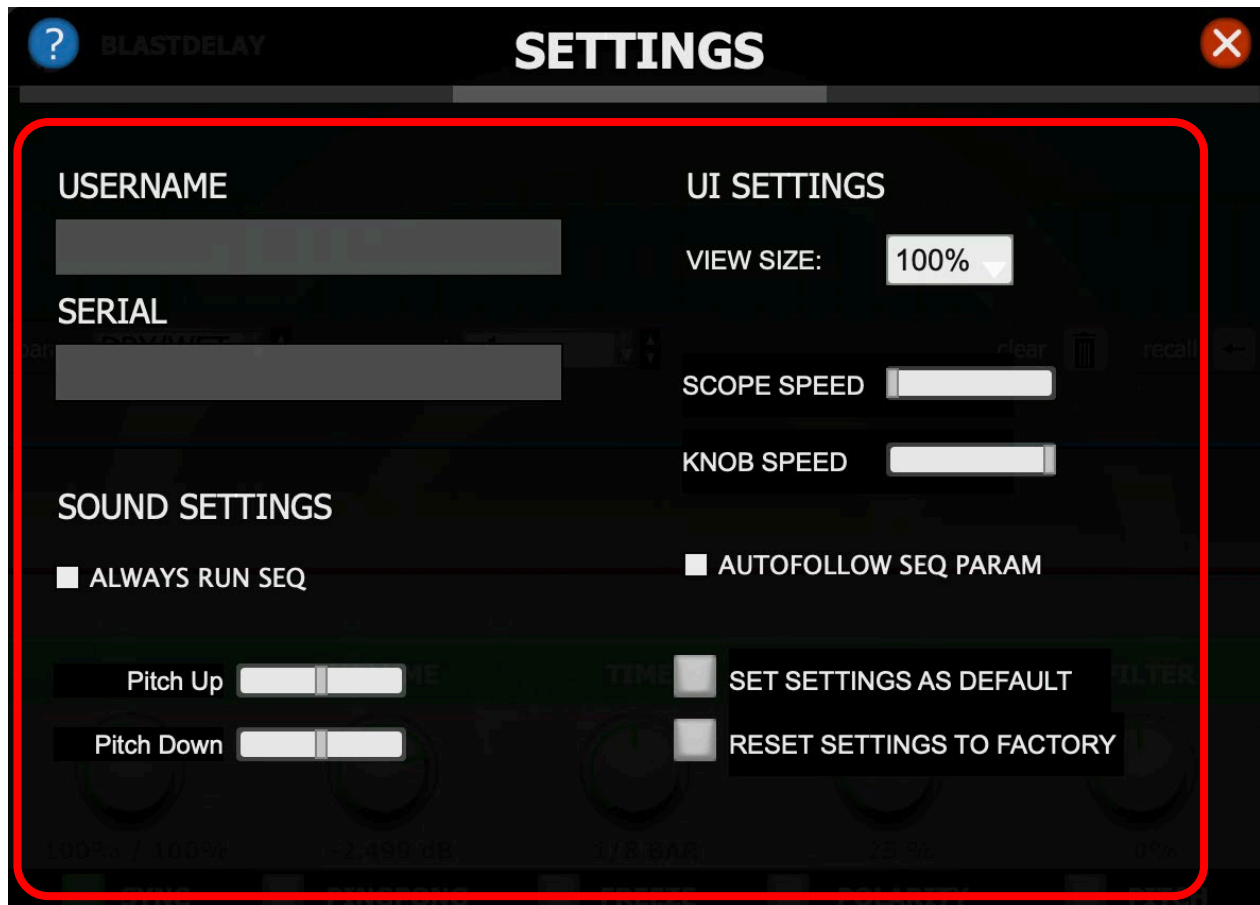
[Shift + click](#) on [clear](#) button: Clears all the sequences made in the sequencer.

6. Settings



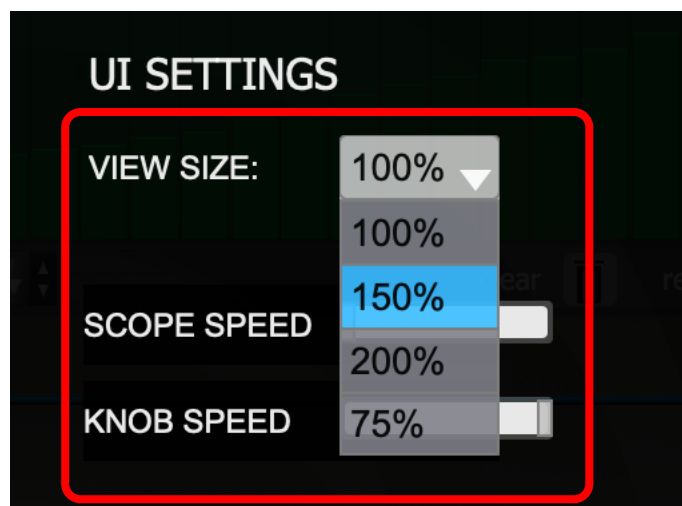
[Click](#) on the settings icon to get access to settings view.

6.1 Settings view



In this view you can modify settings of the plugin.
You get access to plugin size, scope speed, knob speed other Ui settings, sound settings and help button.

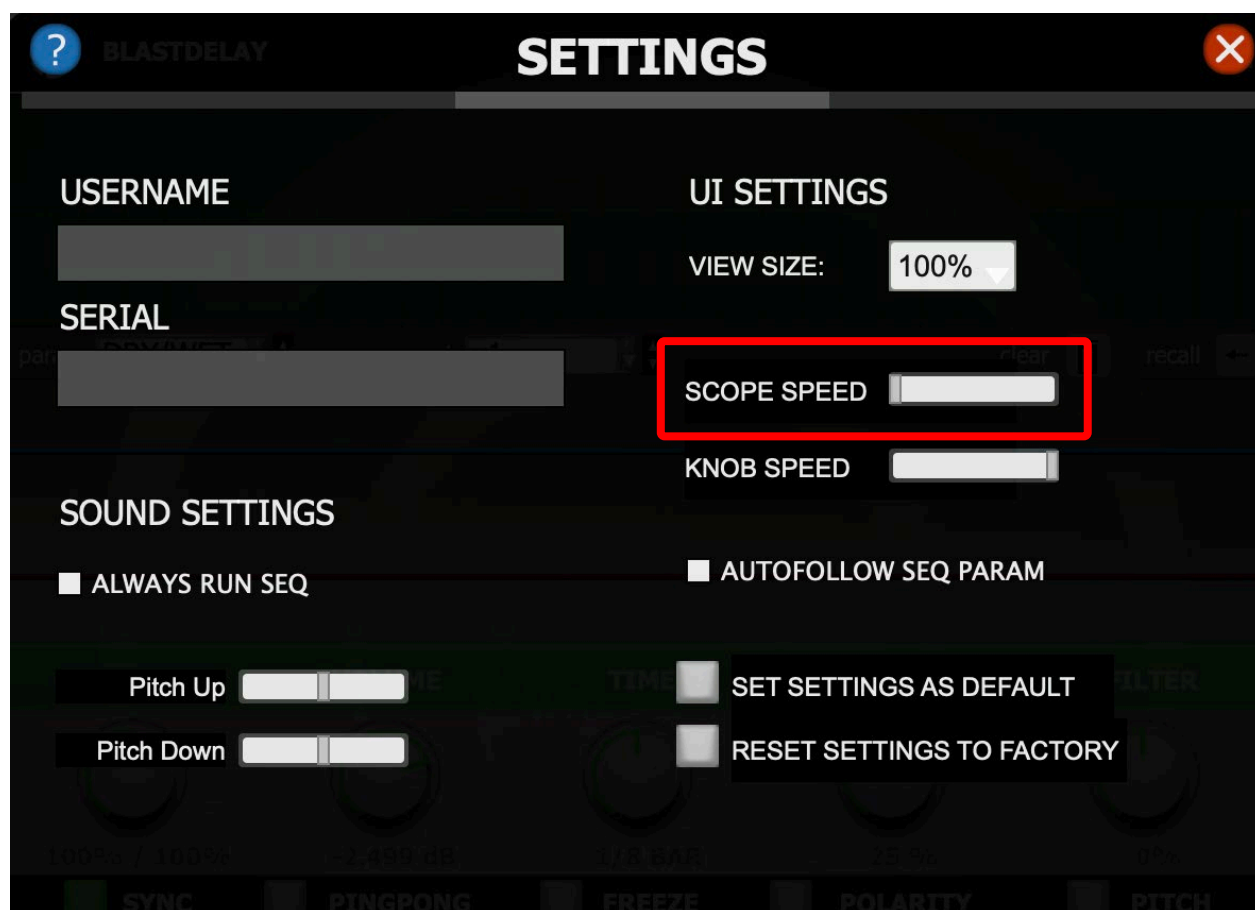
6.1.1 Plugin size



[Click](#) on the drop-down list to select one of the 4 sizes: 100%,150%,200%,75 %.

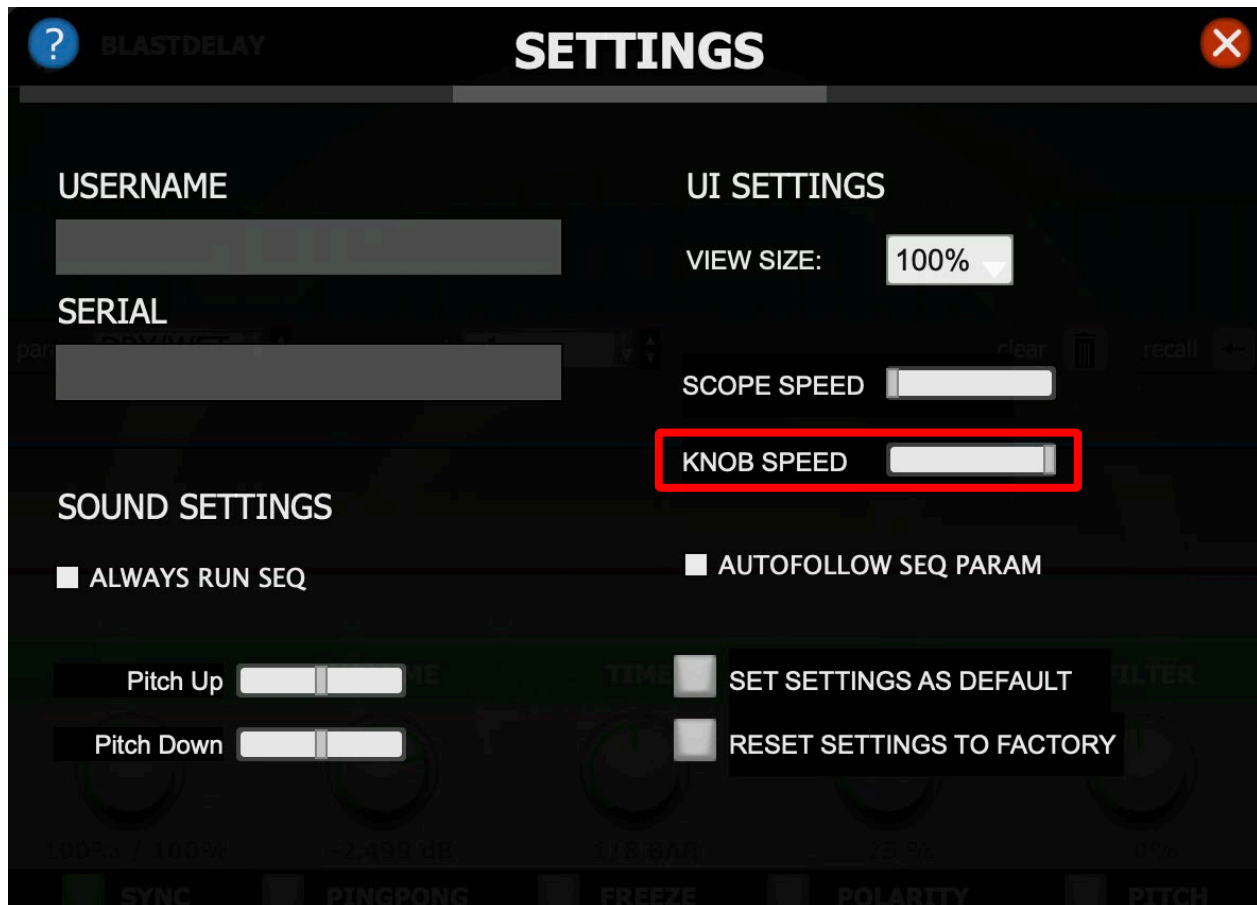
You can also use the mouse directly on the window to set the size (VST3 only).

6.1.2 Scope Speed



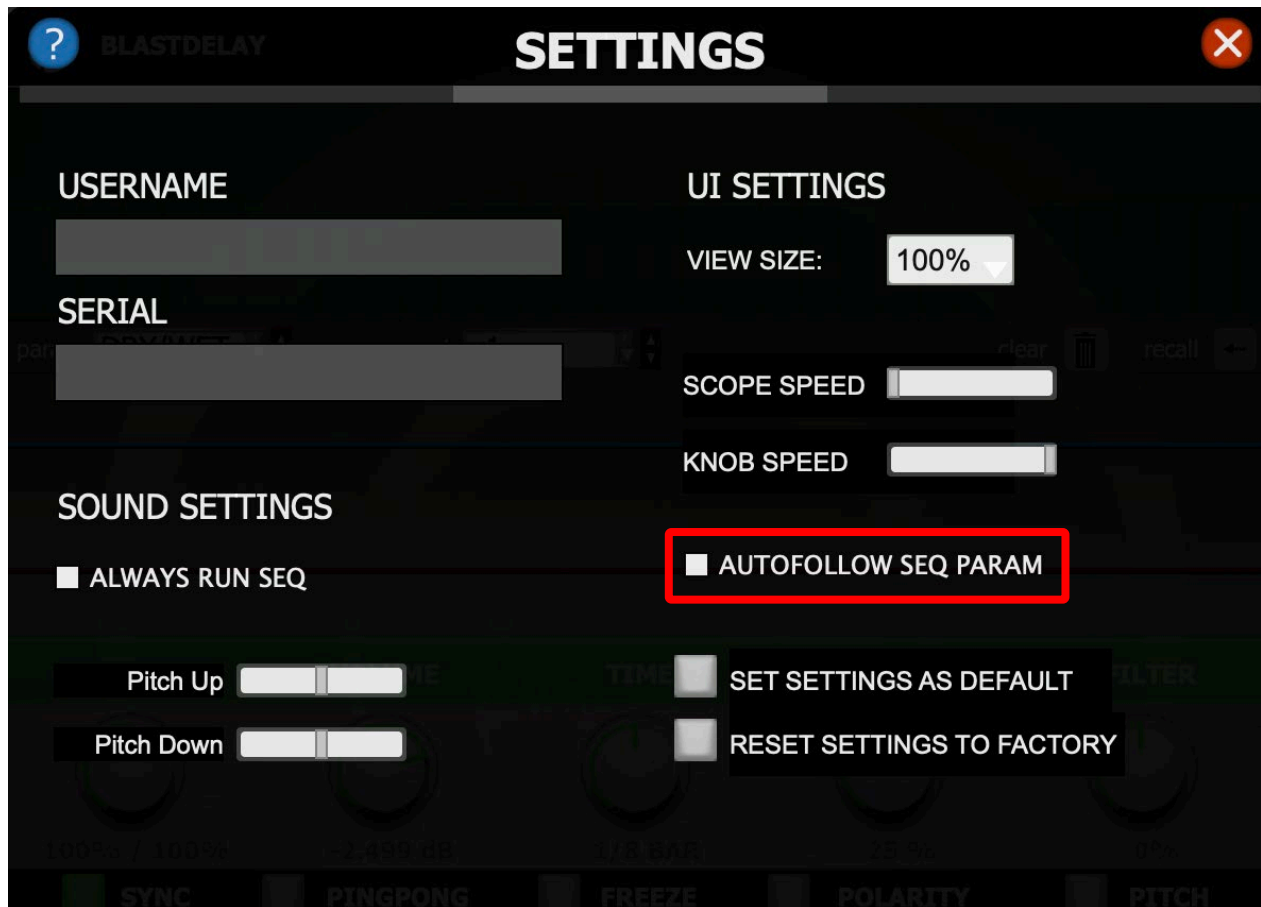
[Click](#) on the horizontal fader to set the scope speed from slow to fast.

6.1.3 Knob Speed



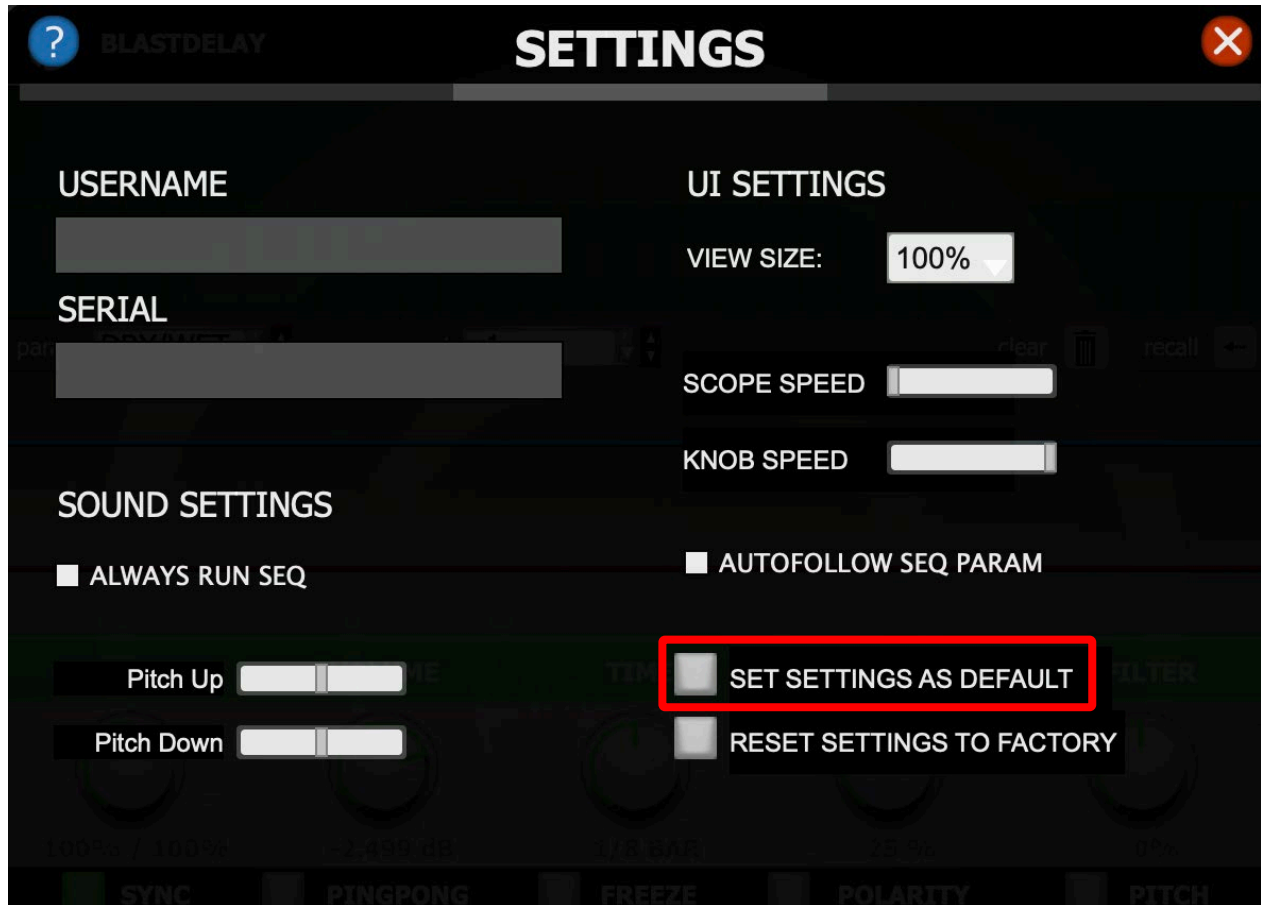
This horizontal fader allows you to select the knob speed, left you will get a slower knob with more accuracy, right you will get a fast knob.

6.1.4 Autofollow Seq Param



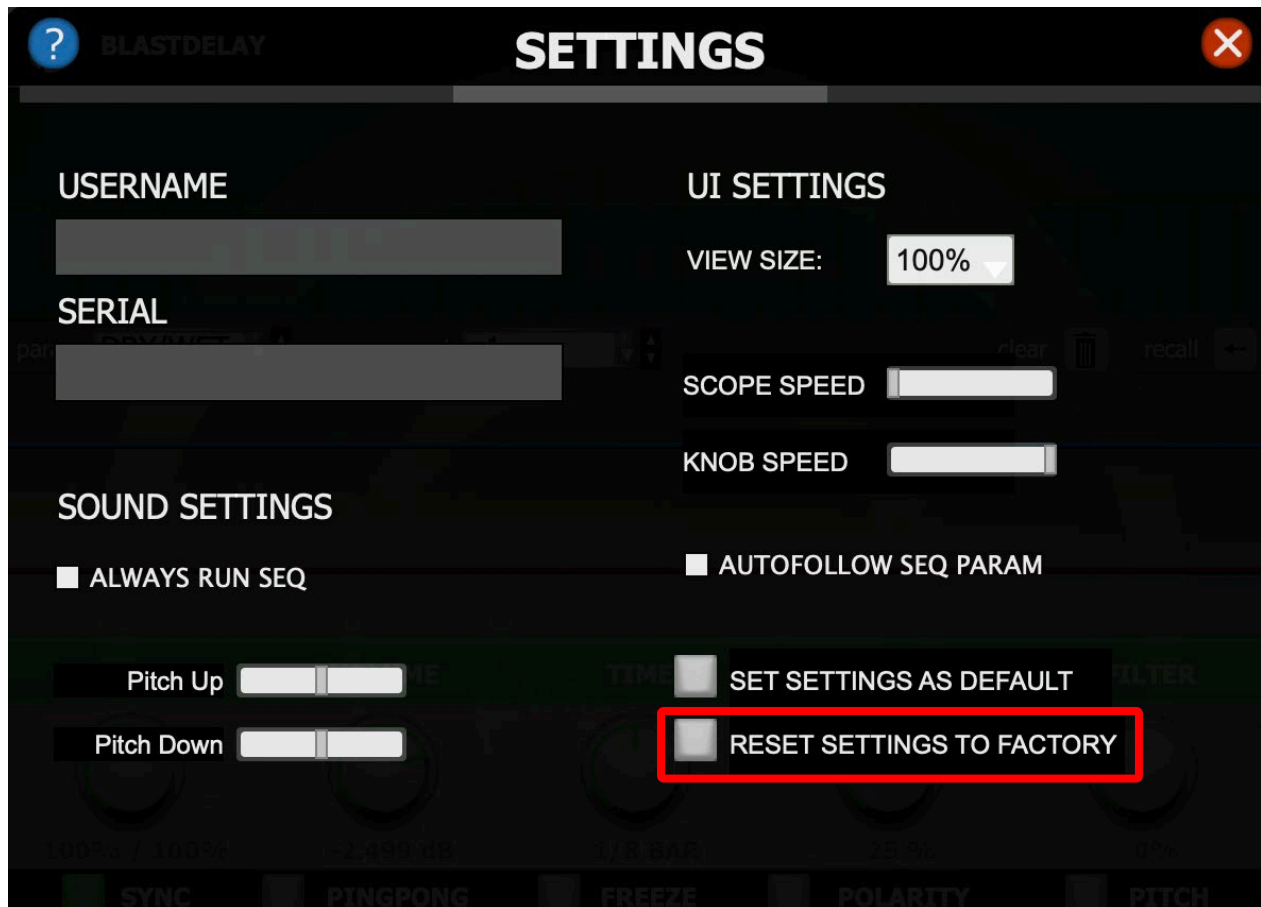
By checking this box each time you will click or move a knob on the GUI the associated parameter will be displayed on the parameter sequencer.

6.1.5 Set as Default Settings



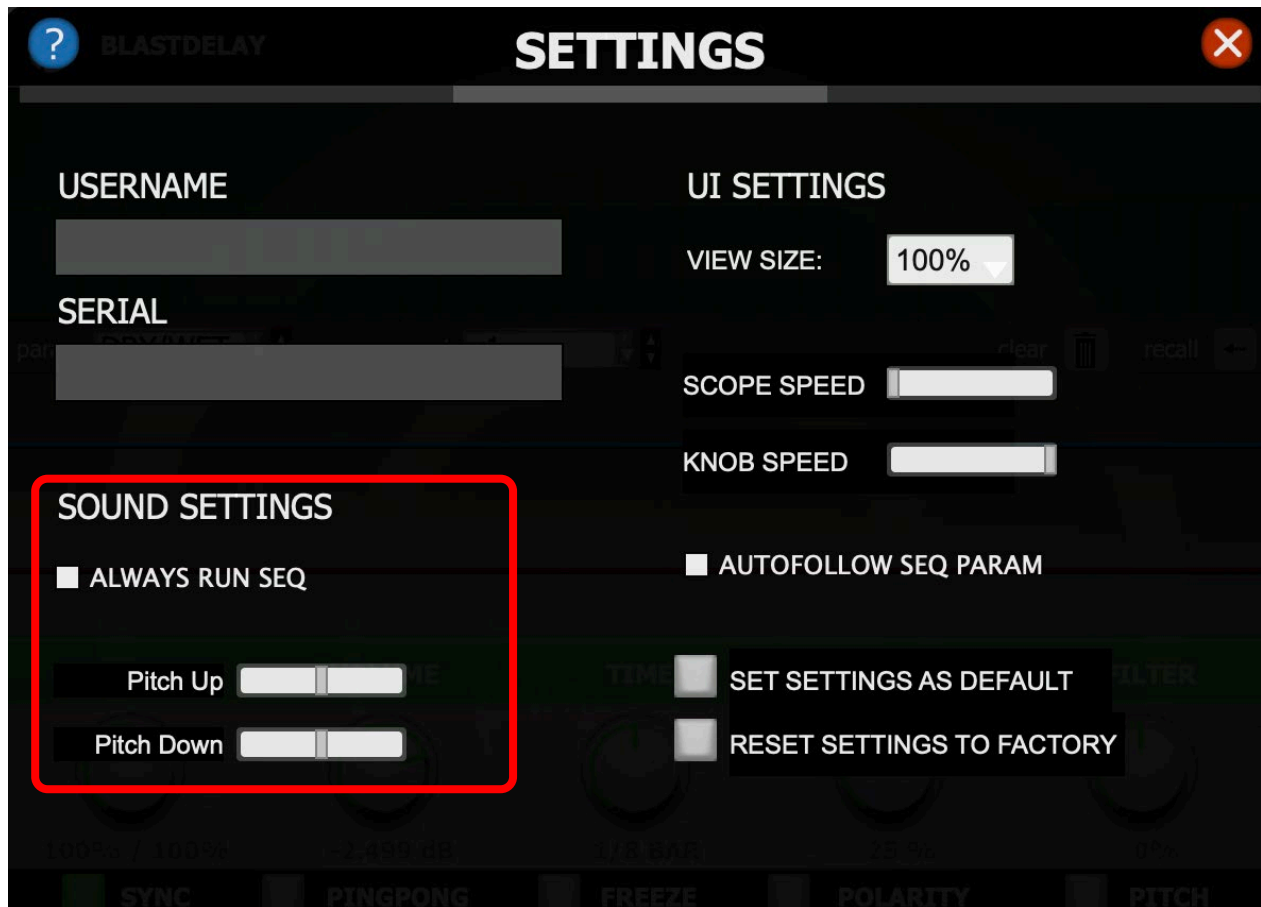
Click this button to set your settings as default. Each time you will launch the plugin these settings will be loaded.

6.1.6 Reset to Factory



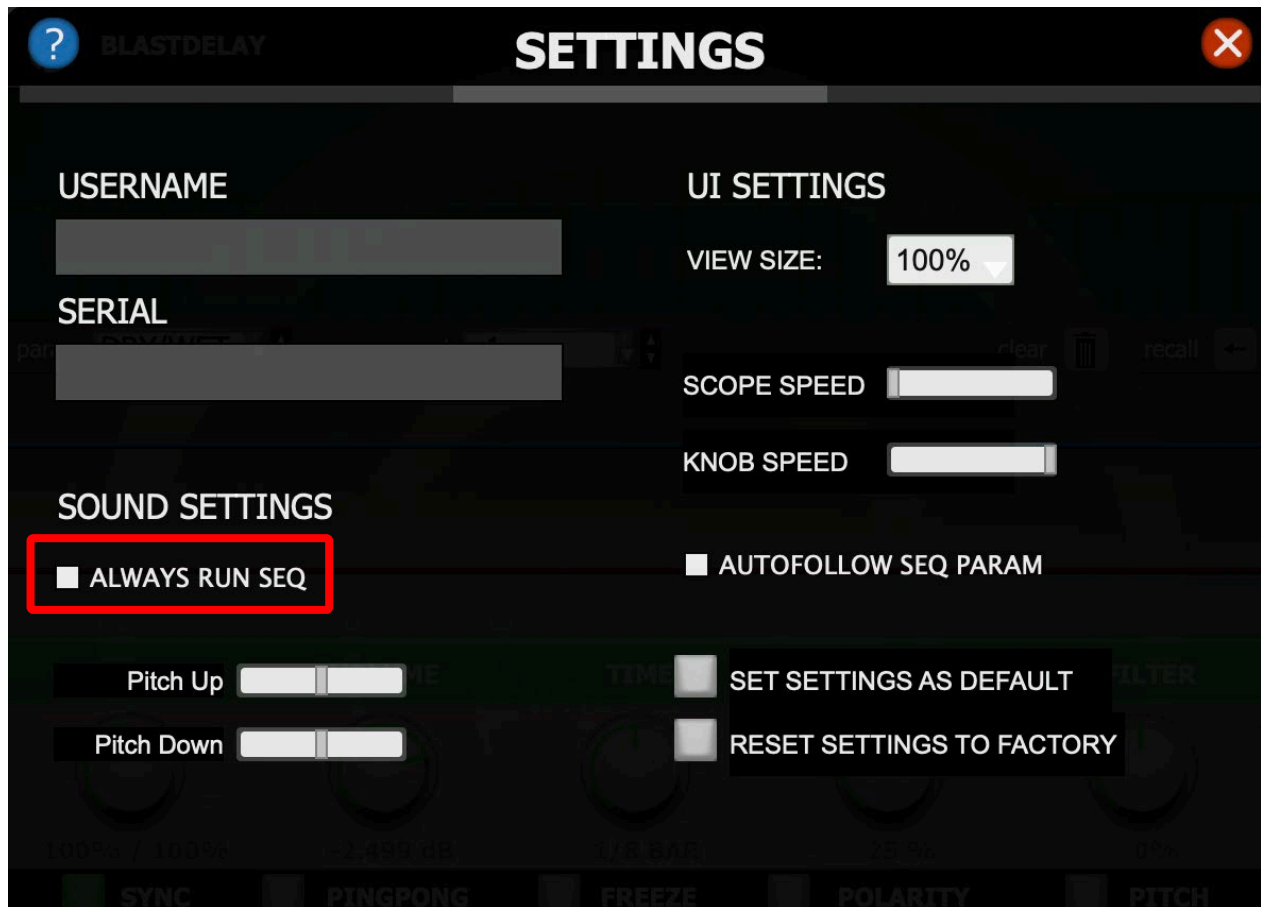
Click this button to reset settings to factory.

6.2 Sound Settings



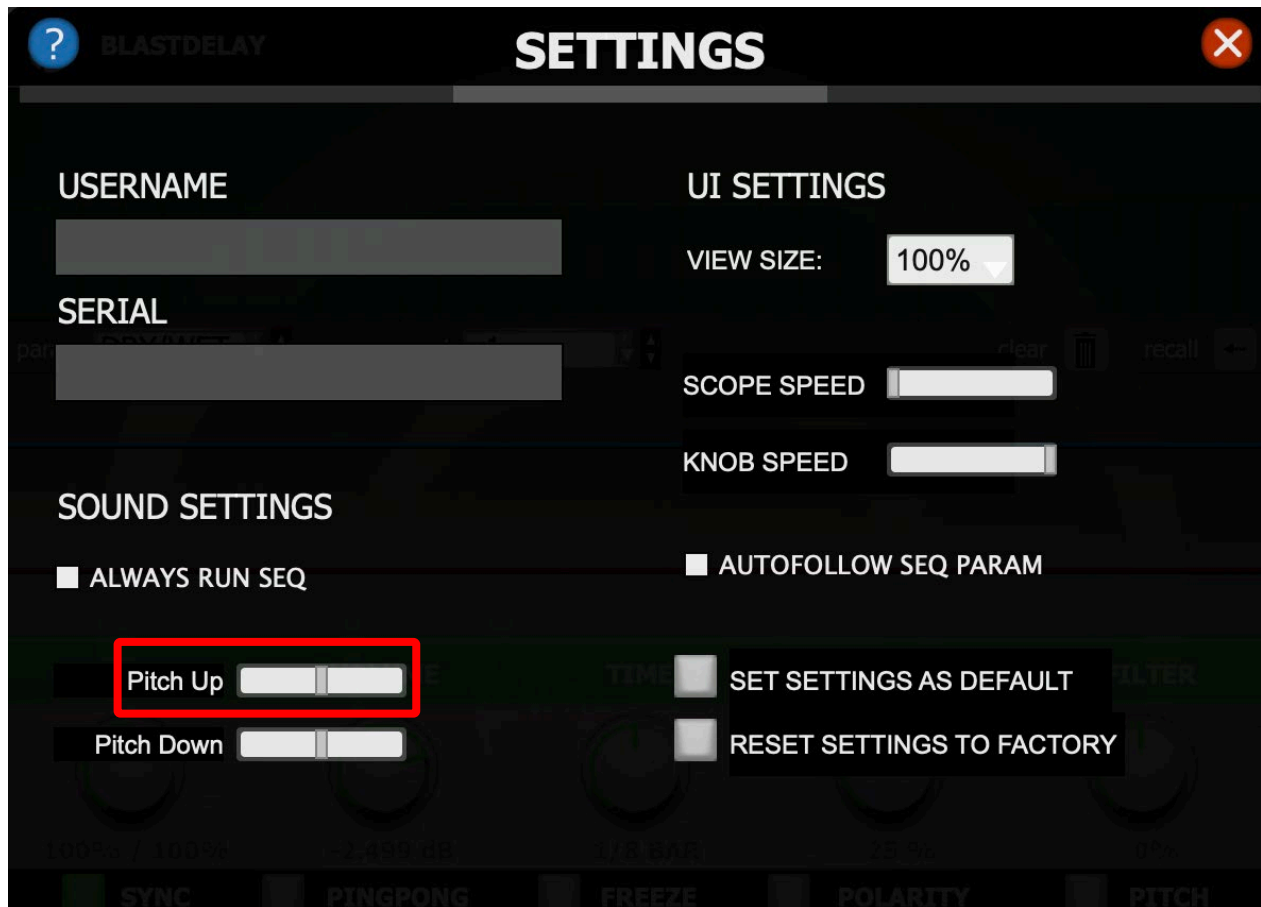
Change your sound setting in this section

6.2.1 Always Run Seq



By checking this box step sequencer always run even when host is stopped.
When this box is un-checked when you will stop your DAW the sequencer stops too.

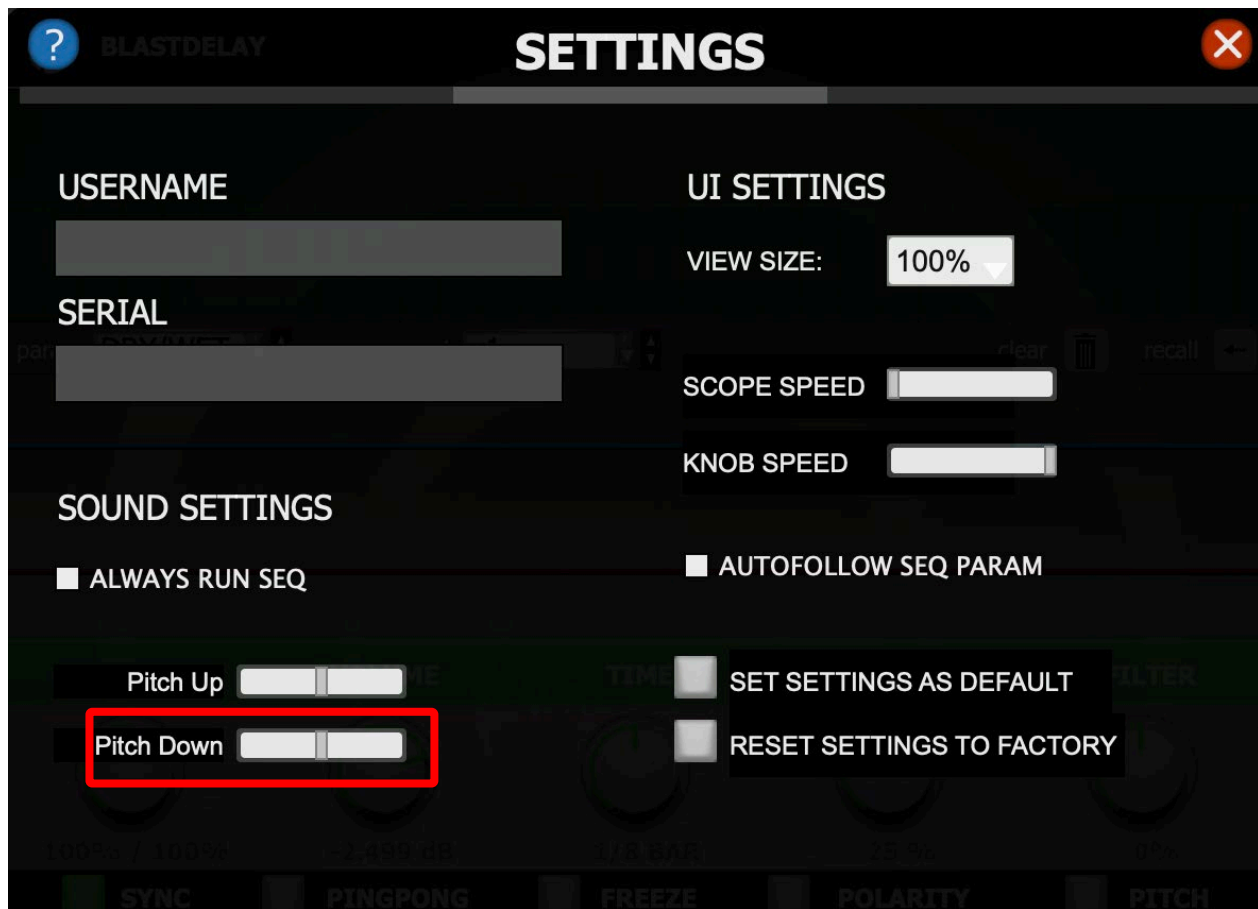
6.2.2 Pitch Up



Pitch button on causes a pitch variation when changing the delay time, similar to the behavior of old tape delay units.

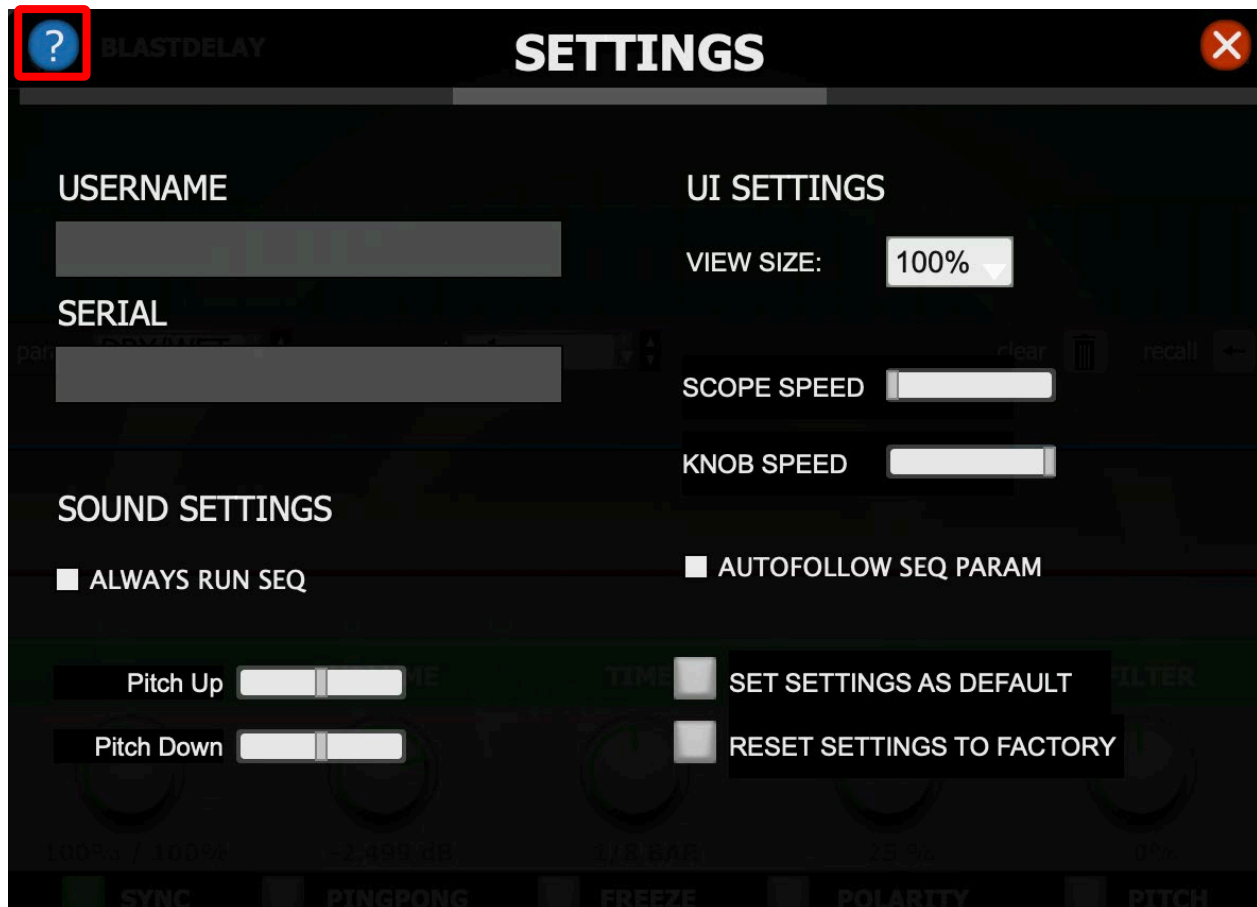
This horizontal fader allows you to set the pitch up value.

6.2.3 Pitch Down



This horizontal fader allows you to set the pitch up value.

6.1.4 Help



Click on the question mark icon to get fast access to the user manual.