

Settings and CPC

Beijing Ample Sound Technology Co. Ltd

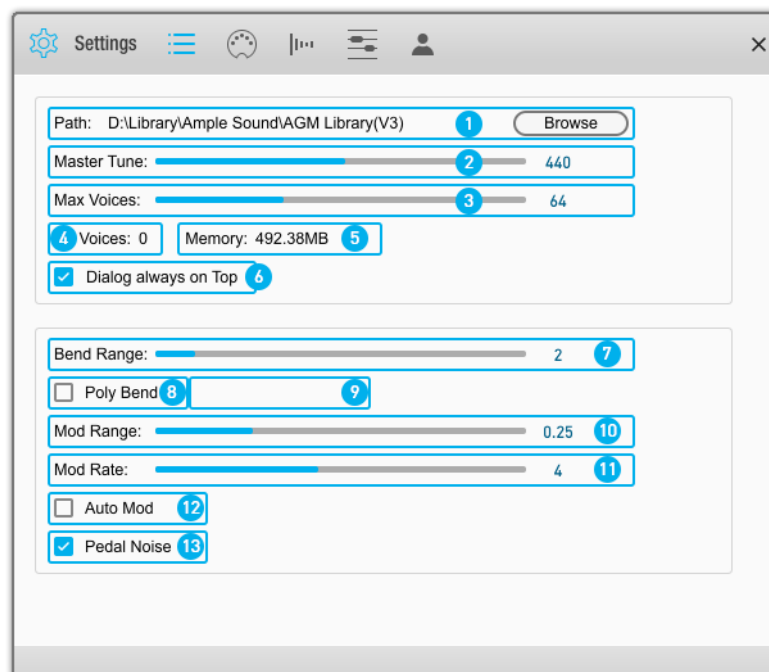
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1 Settings Panel

1.1 Overview of Settings Panel

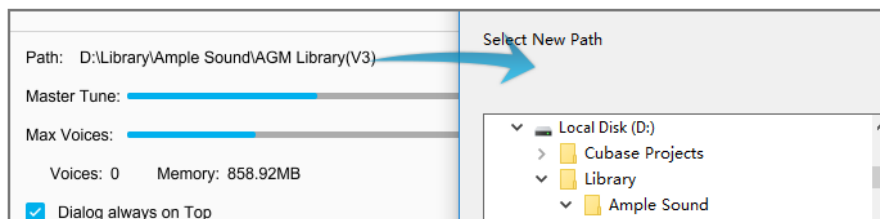


1. Library Path
2. Master Tune
3. Max Voices
4. Voices Display
5. Memory Display
6. Dialog Always on Top
7. Bend Range
8. Poly Bend Toggle
9. Advanced Bend Toggle
10. Mod Wheel Range
11. Mod Wheel Rate
12. Auto Mod Toggle
13. Hold Pedal Noise Toggle

1.2 System Settings

1.2.1 Instrument Path Setting

You can move sample library to anywhere you, and set the new location here.



1.2.2 Mater Tune

Default tune is in 440Hz, the range is 430 - 450Hz.

1.2.3 Max Voices

Defines the maximum number of voices which can be played simultaneously. Voices will be stopped if the amount goes beyond this value.

1.2.4 Voices Display

It shows the current voices amount in usage.

1.2.5 Memory Display

It shows the current memory consumption.

1.2.6 Dialog Always on Top

To control if dialog windows always show on top.

1.2.7 Bend Range

The range is from minor second to an octave.

1.2.8 Poly Bend Toggle

Only lower note is bended when playing poly bends without this feature.

1.2.9 Mod Wheel Range

The Mod Wheel changes pitch and loudness, and triggers a vibration noise when the value \geq 0.75

1.2.10 Mod Wheel Rate

The unit is 1/32 note.

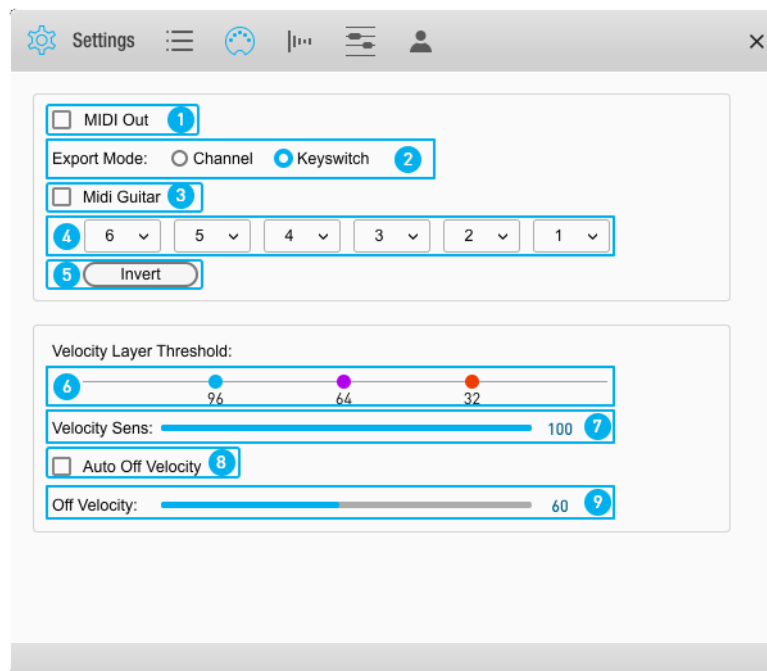
1.2.11 Auto Mod Toggle

When toggled on, every note will be played with vibrating pitch.

1.2.12 Hold Pedal Noise Toggle

The hold pedal triggers a muted noise. If don't need it, please turn it off.

1.3 MIDI Settings



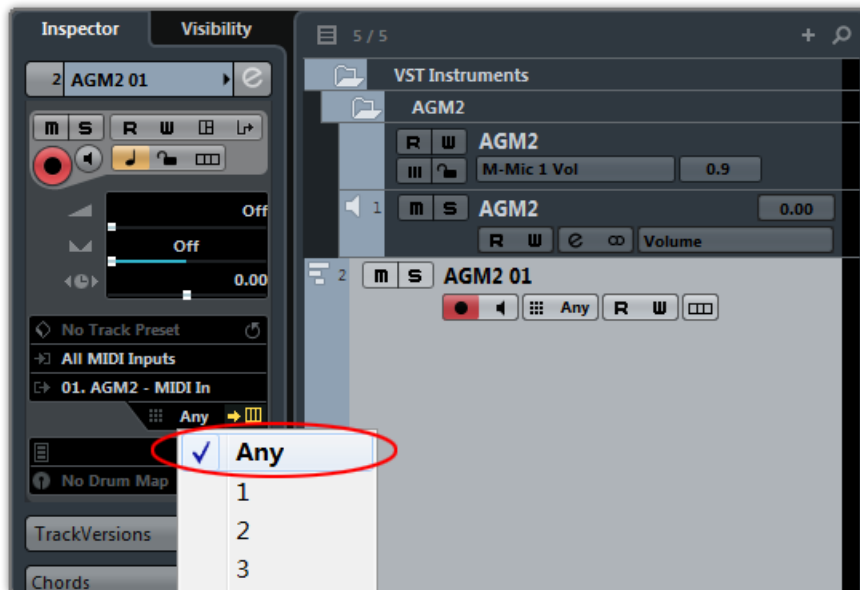
1. MIDI Out Toggle
2. Export Mode
3. MIDI Guitar Mode Toggle
4. MIDI Channels
5. Invert
6. Velocity Layer Threshold
7. Velocity Sensitivity
8. Auto Off Velocity Toggle
9. Off Velocity

1.3.1 MIDI Out Toggle

Toggle on MIDI Out, add a MIDI track in project and set the input to MIDI Out of Ample Guitar.

Then any note being played will be converted to MIDI, including those by strum and tab.

* Logic is the only one DAW which doesn't support MIDI out feature.



1.3.2 Export Mode

Channel: Exported MIDI will contain channel information, this will also toggle on MIDI guitar mode on Setting panel. Make sure the input channel of MIDI track is set to Any, Not available for some DAWs such as Pro Tools, Ableton Live etc;

keyswitch: Exported MIDI will contain keyswitch\String Force information, Available for all DAWs.

1.3.3 MIDI Guitar Mode Toggle

1. Supports MIDI guitar hardware, you can assign a MIDI channel for each string individually.
2. Provide one more method to specify fingering positions.
3. Make sure the input channel of midi track is set to any.

1.3.4 MIDI Channels

To assign each string to a specific MIDI Channel.

1.3.5 Invert

Invert MIDI channel settings.

1.3.6 Velocity Layer Threshold

Changes the threshold of each velocity layers, different samples are used for different velocity layers.

1.3.7 Velocity Sensitivity

Determines how much loudness is impacted by velocity. If the Velocity Sensitivity = 0, velocity doesn't change loudness.

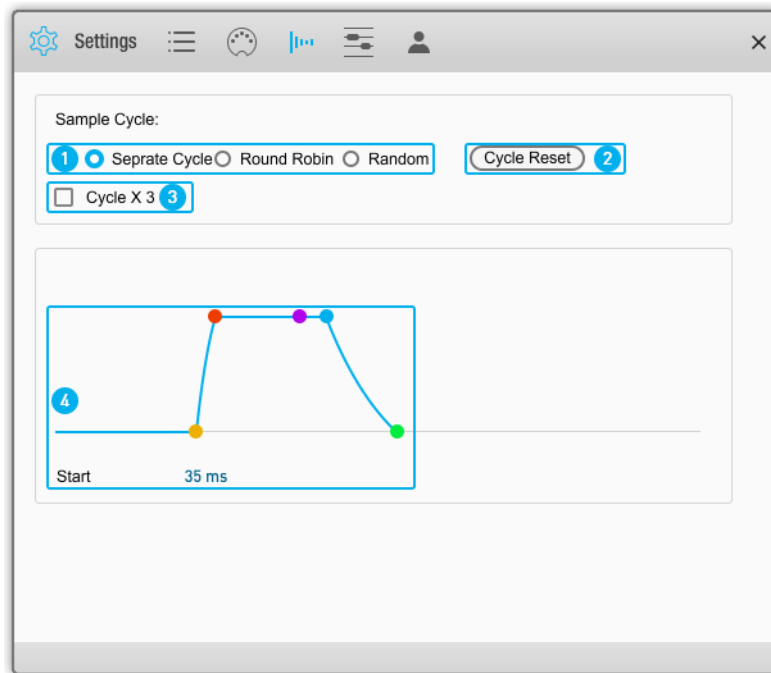
1.3.8 Auto Off Velocity Toggle

This feature is used for MIDI keyboards which don't support Off Velocity, in order to trigger Release and Fret Release sounds.

1.3.9 Off Velocity

When Auto Off Velocity is toggled on, this value will be sent as the off velocity.

1.4 Sample Settings



1.	Sample Cycle
2.	Cycle Reset
3.	Cycle X 3
4.	Envelope

1.4.1 Sample Cycle

There are 3 different Sample Cycle modes:

1. Separate Cycle: Samples cycle independently for each note and each velocity layer, more appropriate for ARP and Strumming.
2. Round Robin: More appropriate for solo melody and bass line.
3. Random: Samples cycle randomly.

1.4.2 Cycle Reset

Reset cycle index.

1.4.3 Cycle X 3

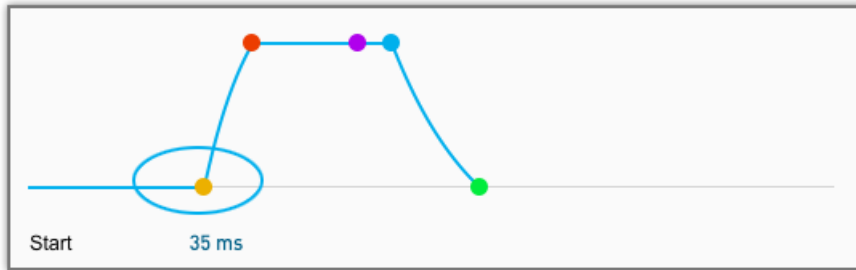
Cycles are 3 times longer for each note.

1.4.4 Envelope

Item	Range	unit
Start	0-50	ms
Attack	1-9000	ms
Decay	1-9000	ms
Sustain	0-99	db
Release	1-9000	ms

1.4.5 Global Sample Start Time

After stroke string, it takes around 50ms to get the string really vibrating. Ample Sound samples preserve this feature to avoid the samples of picked instruments sounding like piano.



Set Start Time to 50ms and Track Delay of DAWs to 0ms as shown in the figure above on the left for real-time playing.

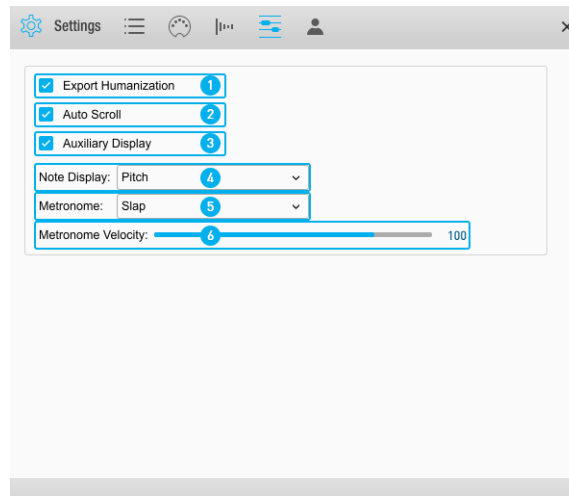
Set Start Time to 0ms and Track Delay of DAWs to -50ms as shown in the figure above on the right for playback or export.

If your DAW doesn't support Track delay, you will need to drag tracks a few ms (according to start time) forward manually, or use the formula of Time to BPM: **Track Delay(beat) = Time(s) * Tempo / 60**, e.g. for 50ms, you need to drag tracks 0.1 beat or 48 ticks forward when Tempo = 120.

You need to export audio one bar earlier after Track Delay is set as shown in the figure below.



1.5 Riffer Preferences

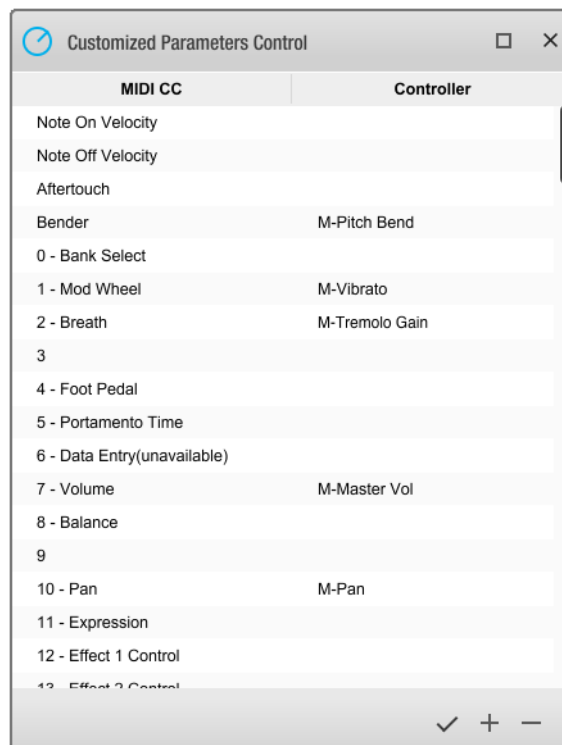


Export Humanization	Determines if the exported MIDI include Swing, Velocity Humanization, and Velocity Proportion settings.
Auto Scroll	Auto Scroll during playback
Auxiliary Display	Auxiliary grids for FX-line and note attributes
Note Display	Select what information to be shown on top of notes Fret Pitch Pitch & Fret Velocity Duration Off Velocity
Metronome	Change the sound of Metronome
Metronome Velocity	Change the volume of Metronome

1.6 Customized Parameters Control

1.6.1 MIDI Controller

All buttons, knobs and sliders on GUI can be controlled by MIDI Controllers. Alt + click or right-click a control to open the dialog below and assign a controller.



1.Left Column: Available controllers.
2.Right Column: Assigned parameters.
3. ✓ : Assign the selected controller to the control.
4. + : MIDI Learn.
5. - : Clear the assigned controller of the control.

1.6.2 Fine adjustment & Value reset

Press Ctrl + click to reset a control to its default value.

Press Shift and drag the mouse to make fine adjustments.

Website: <http://www.amplesound.net>

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