

Settings and CPC



Ample Sound Technology Co.

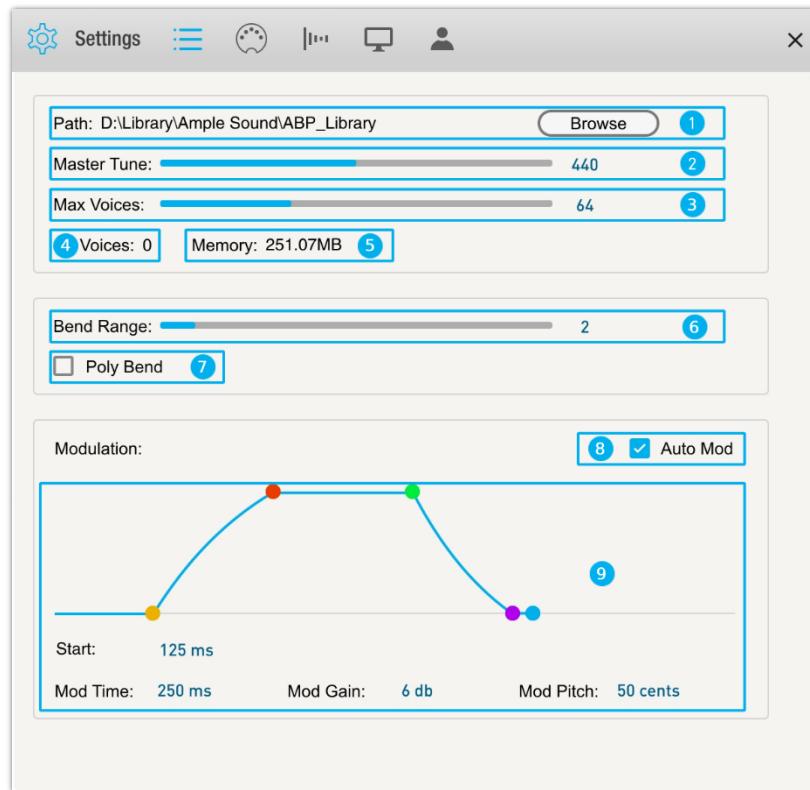
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1 Settings Panel

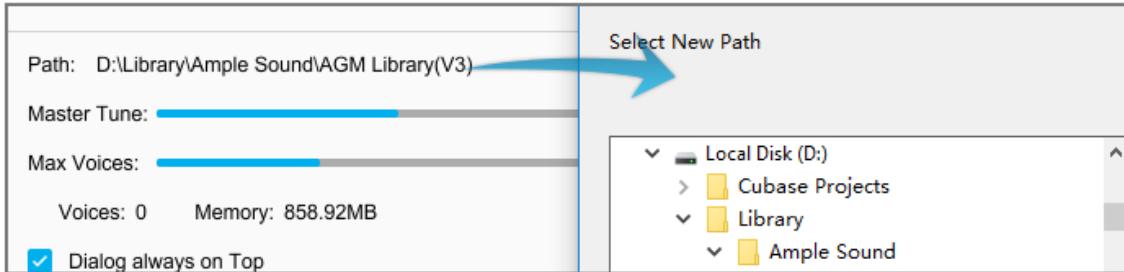
1.1 System Settings



1. Library Path
2. Master Tune
3. Max Voices
4. Voices
5. Memory
6. Bend Range
7. Poly Bend Toggle
8. Auto Mod Toggle
9. Mod Settings

1.1.1 Instrument Path Setting

You can set the sample library location here when it is moved.



1.1.2 Master Tune

Default tuning standard is in 440Hz. The range is 430 - 450Hz.

1.1.3 Max voices

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

1.1.4 Voices Display

Shows the current number of voices in usage.

1.1.5 Memory Display

It shows the current memory consumption.

1.1.6 Mod Wheel Range

The range is from minor second to one octave.

1.1.7 Poly Bend Toggle

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

1.1.8 Auto Mod Toggle

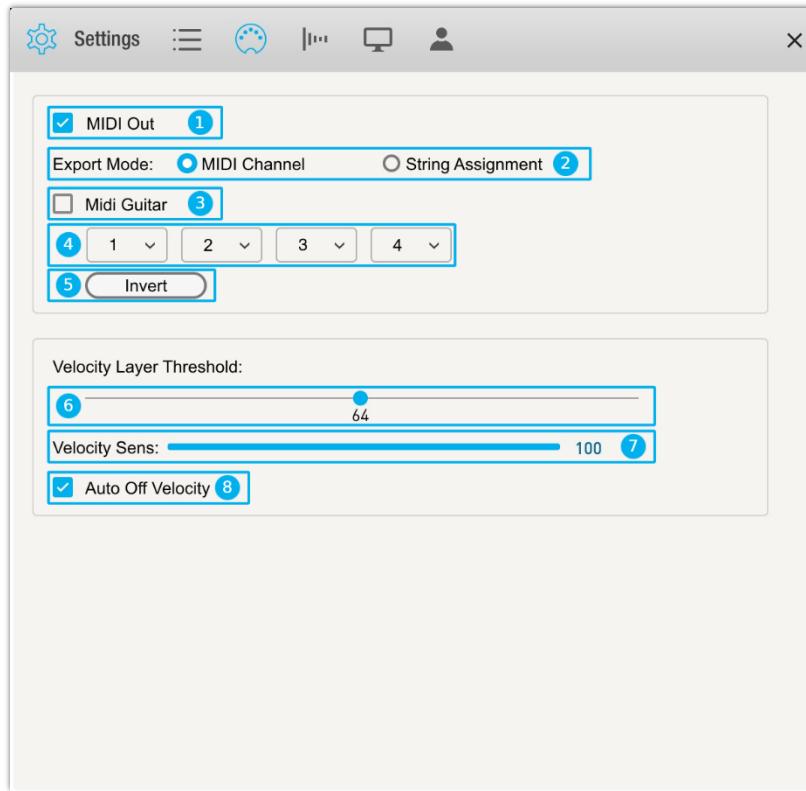
When toggled on, modulation will follow the SAHDS envelope. You can get natural and realistic vibratos while keeping the Mod wheel in one position.

1.1.9 Modulation Settings

Modulation Envelope:

- **Start:** The modulation doesn't work during the Start time. It ensures that fast notes will not be vibrated.
- **Attack:** The time from the beginning to the maximum amount of vibrato.
- **Hold:** Maximum amount of vibrato is kept during the Hold time.
- **Decay:** The time from the maximum amount to the sustain level of vibrato.
- **Sustain:** Decrease the vibrato volume and speed to this ratio and keep this value until the end of the note. A new note will start vibrato again following the envelope.
- **Mode Time:** The vibrato speed.
- **Mod Gain:** The maximum volume gain during vibrato.
- **Mod Pitch:** The maximum pitch change during vibrato.

1.2 MIDI Settings

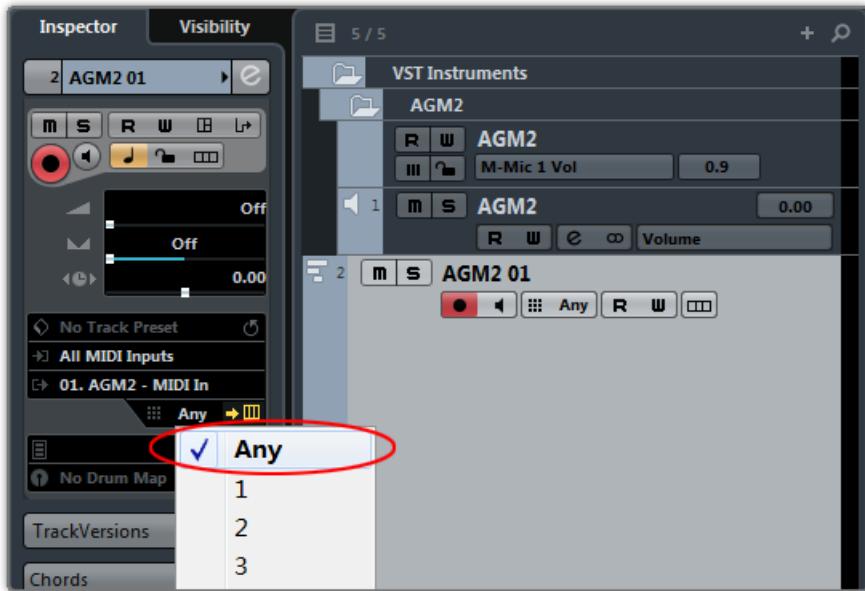


1. MIDI Out Toggle
2. Export Mode
3. MIDI Guitar Mode Toggle
4. MIDI Channels
5. Invert
6. Velocity Layer Threshold
7. Velocity Sensitivity
8. Auto Off Velocity Toggle

1.2.1 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.



1.2.2 Export Mode

MIDI Channel: Exported MIDI will contain channel information. Make sure the input channel of MIDI track is set to Any, not available for some DAWs such as Pro Tools, Ableton Live etc.
String Assignment: Exported MIDI will contain keyswitch and string assignment information, available for all DAWs.

1.2.3 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.

1.2.4 MIDI Channels

To assign each string to a specific MIDI Channel.

1.2.5 Invert

Invert MIDI channel settings.

1.2.6 Velocity Layer Threshold

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

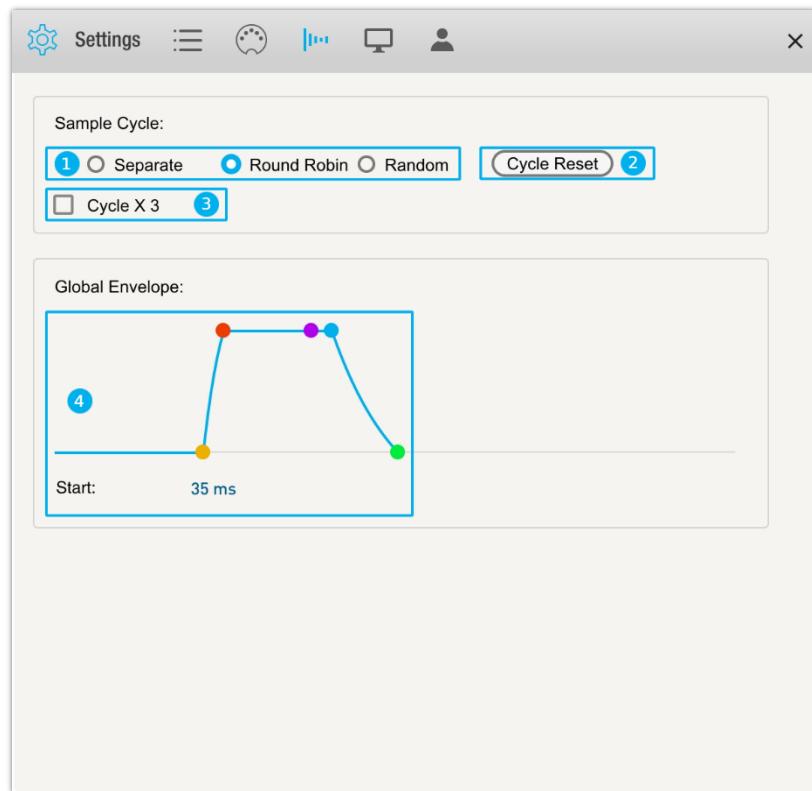
1.2.7 Velocity Sensitivity

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

1.2.8 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 Sample Settings



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

1.3.1 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 arpeggio and strumming.
2. Round Robin: More suitable for solo melody and bass line.
3. Random: Samples cycle randomly.

1.3.2 Cycle Reset

Reset cycle index.

1.3.3 Cycle X 3

Cycles are 3 times longer for each note.

1.3.4 Envelope

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

1.3.5 Global Sample Start Time

When a string is plucked, it takes around 50ms to get the string fully vibrating. Ample Sound samples preserve this feature to avoid the samples of plucked instruments sounding like piano.

Diagram:

AGP Settings:

Parameter	Value 1 (Left)	Value 2 (Right)
Delay	0.00	-50.00

MIDI Thru Settings:

Parameter	Value 1 (Left)	Value 2 (Right)
Delay	0.00 ms	-50.00 ms

Global Tracks Settings:

Parameter	Value 1 (Left)	Value 2 (Right)
Delay	0.00 ms	-50.00 ms

ARP-AGF2 Settings:

Parameter	Value 1 (Left)	Value 2 (Right)
Delay	0.00 ms	-50.00 ms

ARP-AGF2 Control Panel:

Parameter	Value 1 (Left)	Value 2 (Right)
Time +	0	-50

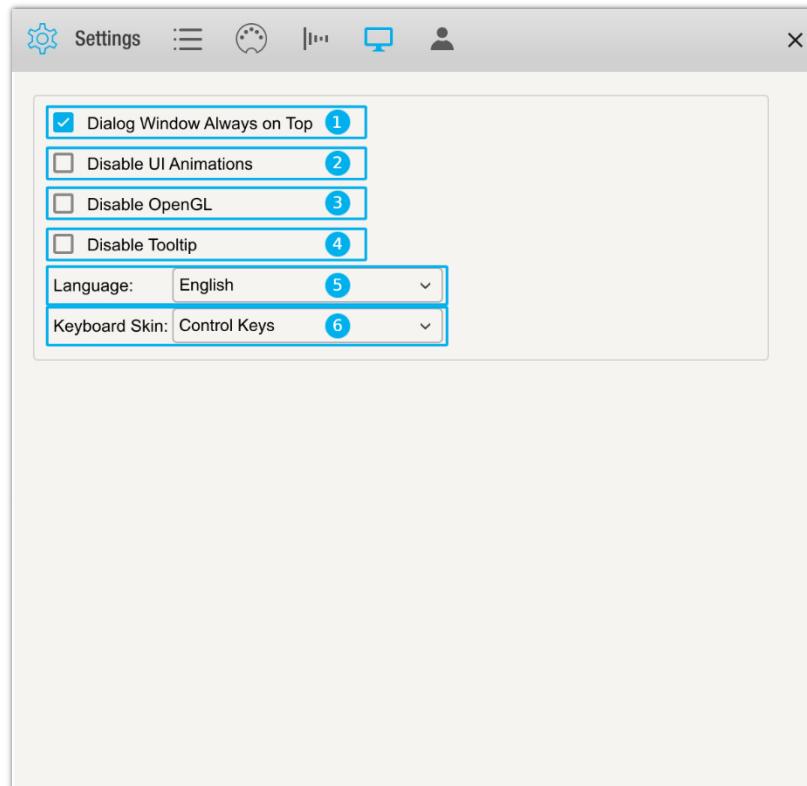
Real-Time Properties:

Parameter	Value 1 (Left)	Value 2 (Right)
Delay	0 ms	50 ms

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.



1.4 Display Settings



1. Dialog Window Always on top
2. Disable UI Animations
3. Disable OpenGL
4. Disable Tooltip
5. Select Language
6. Select Keyboard Skin

1.4.1 Dialog Window Always on Top

Dialog Window Always on Top.

1.4.2 Disable UI Animations

When toggled on, UI Animations will be disabled to improve performance.

1.4.3 Disable OpenGL

Toggle this button to disable OpenGL in case of dated graphic cards or problematic graphic drivers.

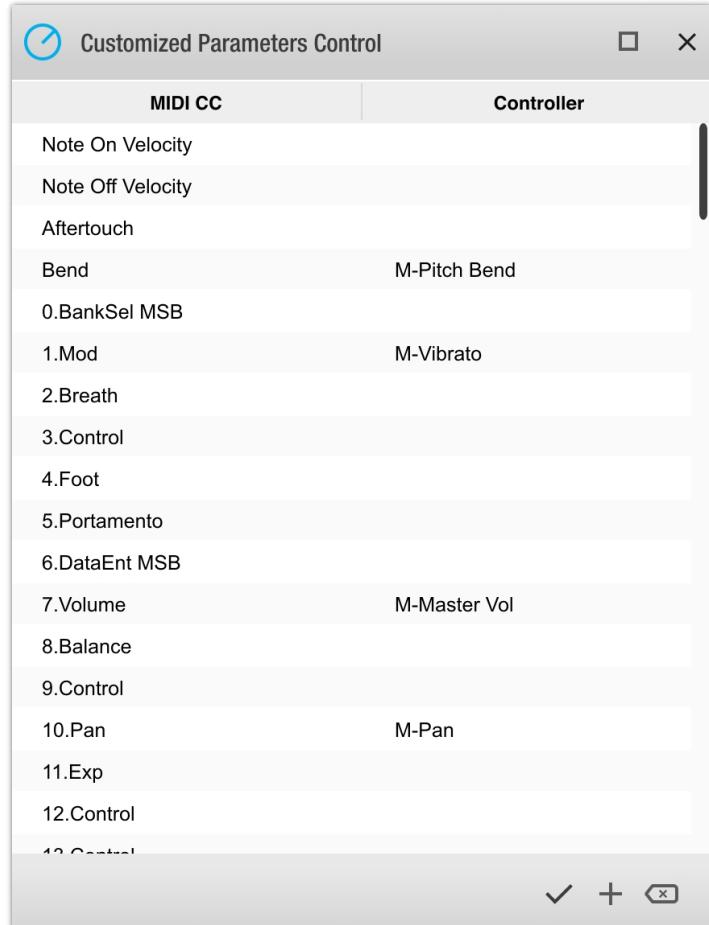
1.4.4 Select Language

Switch Language, will take effect after reopening the window.

1.5 Customized Parameters Control

1.5.1 MIDI CC

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



1. Left Column: MIDI CC
2. Right Column: Controller
3. ✓: Assign the selected MIDI CC to the controller
4. +: MIDI Learn
5. ✕: Remove the assignment

1.5.2 Value reset

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

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

Free Version Download: <https://www.amplesound.net/en/download.asp>

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