

Main Panel Manual

Ample China Pipa

Beijing Ample Sound Technology Co. Ltd

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1 Instrument Panel

1.1 Overview of Instrument Panel



1.	Save/Load Preset
2.	Capo Logic Mode
3.	Sample Library Switch
4.	Language
5.	Capo Force Display
6.	String Force Display




1.2 Save/Load Preset

Preset button displays current preset in use. The “Default” preset is loaded automatically when the plugin starts. Preset name is shown as “Preset” if the “Default” preset is not found. To load a preset, click preset name to open the file chooser window. Left and right arrow can also be used to quickly change preset. To save current preset, click the down arrow to open

the preset save window.

1.3 Capo Logic Mode

3 kind of Capo Logic modes:

1.  Melody Mode: Melody Mode, the range is 2 octaves.
2.  Chord Mode: The range is 5 frets
3.  Treble String Mode: Preferred to play on treble strings, suits for instruments such as pipa, double bass.

1.4 Sample Library Switch

2 Pipa libraries: Expert and Master.

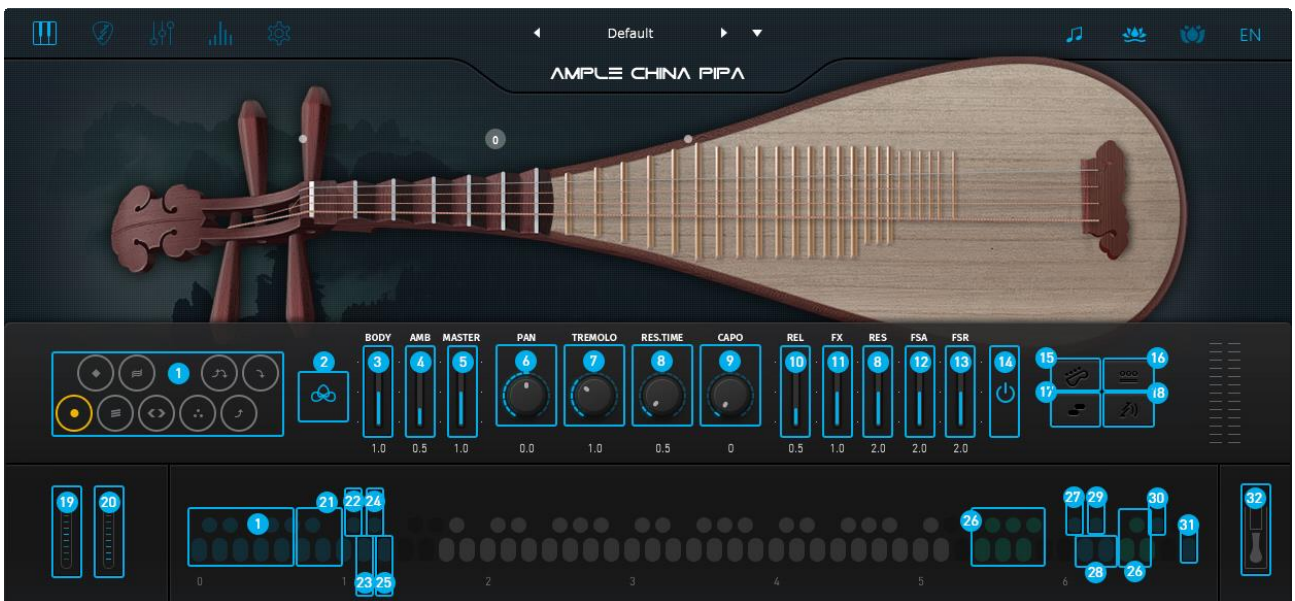
*Sample Library cannot be switched during playing.

1.5 Language

Switch Language, will take effect after reopening the window.

2 Main Panel

2.1 Overview of Main Panel



1.	Articulations
2.	Mic Mode
3.	Middle Mic Volume
4.	Side Mic Volume
5.	Master Volume
6.	Pan
7.	Tremolo Gain
8.	Resonance Gain & Time
9.	Capo
10.	Release Sound Gain
11.	FX Sound Gain
12.	Fret Sound (Attack) Gain
13.	Fret Sound (Release) Gain
14.	Fingering Sound Toggle

15. Playing Mode Switch
16. Open String First
17. Auto Legato Mode Switch
18. Stroke Noise
19. Bend
20. Vibrato Wheel
21. String Force
22. Capo Force
23. Non-Expression Tremolo Switch
24. Expression Tremolo Switch
25. Sustain Switch
26. FX Sound Group & Hit Group
27. Strum Mode Keyswitch
28. Poly Repeater
29. Auto Legato Mode Switch
30. Open String First Toggle
31. Capo Logic Mode
32. Hold Pedal

2.2 Articulations

2.2.1 Articulation List

Abbr.	Full Name	Keyswitch	Range
Sus	Sustain & Strum	C0	A1-D5
NH	Natural Harmonic	C#0	A2-E5
Tr	Tremolo	D0	A1-D5
TrE	Expression Tremolo	D#0	A1-D5
LS	Legato Slide	E0	A#1-D5
Tri	Triple	F0	A1-D5
BF2	Full Bend	D#0	A#1-C#5
BU2	Bend Up	G0	A#1-B4
BD2	Bend Down	G#0	C2-C#5

2.2.2 Sustain & Strum

Keyswitch is C0. Notes of velocity less than 127 will be Sustain, notes of velocity 127 will be Strum.

2.2.3 Natural Harmonic

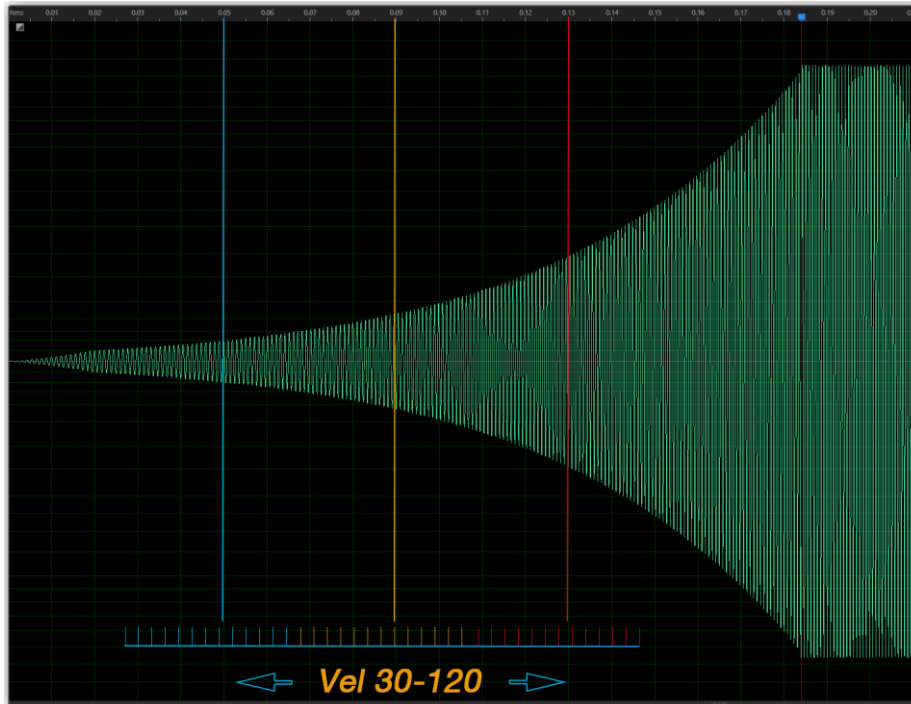
Keyswitch is C#0.

2.2.4 Tremolo

Keyswitch is D0. This articulation includes 3 types of playing: tremolo, rolling tremolo, and shaking tremolo. Here they are all considered as articulation tremolo.

1. Tremolo is on 1st & 4th strings. It is fast tremolo using all five fingers, which is the most common type of Pipa playing.
2. Rolling tremolo is triggered by high velocity layer on 2rd & 3rd strings. This tremolo uses thumb and index fingers, sounds like picking.
3. Shaking tremolo is triggered by low velocity layer on 2rd & 3rd strings. This tremolo uses index finger, sounds mellow.

When playing tremolo, the start time needs to be adjusted according to the music. The recorded samples of tremolo use a long fade-in time. The start time can be adjusted with velocity from below 30, to above 120. Larger velocity will cause shorter fade in time.



If Poly Tremolo is off in settings, tremolo note can only be played one at a time. When more than one Tremolo notes are played, it goes into legato automatically. The volume of the second note is controlled by the velocity of the first note, the velocity of the second note controls the start time of itself. When playing Tremolo Legato, the note on the same string is played if it is in the note range.

Tremolo slide will trigger the notes in between. The same rule applies as slide in Sustain notes, in order to play Tremolo Slide:

- * The two notes must overlap in time.
- * E0 must be ahead of the start note.
- * The two notes must be on the same string.
- * The velocity of the note slid to controls the speed of the sliding. Higher the velocity, faster the speed.

Tremolo note will loop itself automatically.

2.2.5 Expression Tremolo

Keyswitch is D#0. Tremolo with expression, including large velocity variation and vibrato. It functions the same as Non-Expression Tremolo.

2.2.6 Tremolo Switch

1. When current articulation is standard articulation, keyswitch D1 will trigger the same note with articulation Tremolo. The length and volume of the Tremolo note is controlled by the previous note. The start time of the Tremolo note is controlled by its velocity. Articulation will also be switched to Tremolo.



2. When current articulation is Tremolo, keyswitch D1 plays the same note with a fading Tremolo release, whose volume and length is controlled by the previous note.

2.2.7 Expression Tremolo Switch

When current articulation is standard articulation, keyswitch D#1 will trigger the same note with articulation Expression Tremolo, It functions the same as Non-Expression Tremolo.

When current articulation is Tremolo, keyswitch D#1 plays the same note with a fading Tremolo release.

2.2.8 Sustain Switch

Keyswitch E1 changes the articulation from Tremolo or Expression Tremolo to Sustain, and triggers a Sustain note, whose length and volume is controlled by the velocity of previous note.

2.2.9 Triple

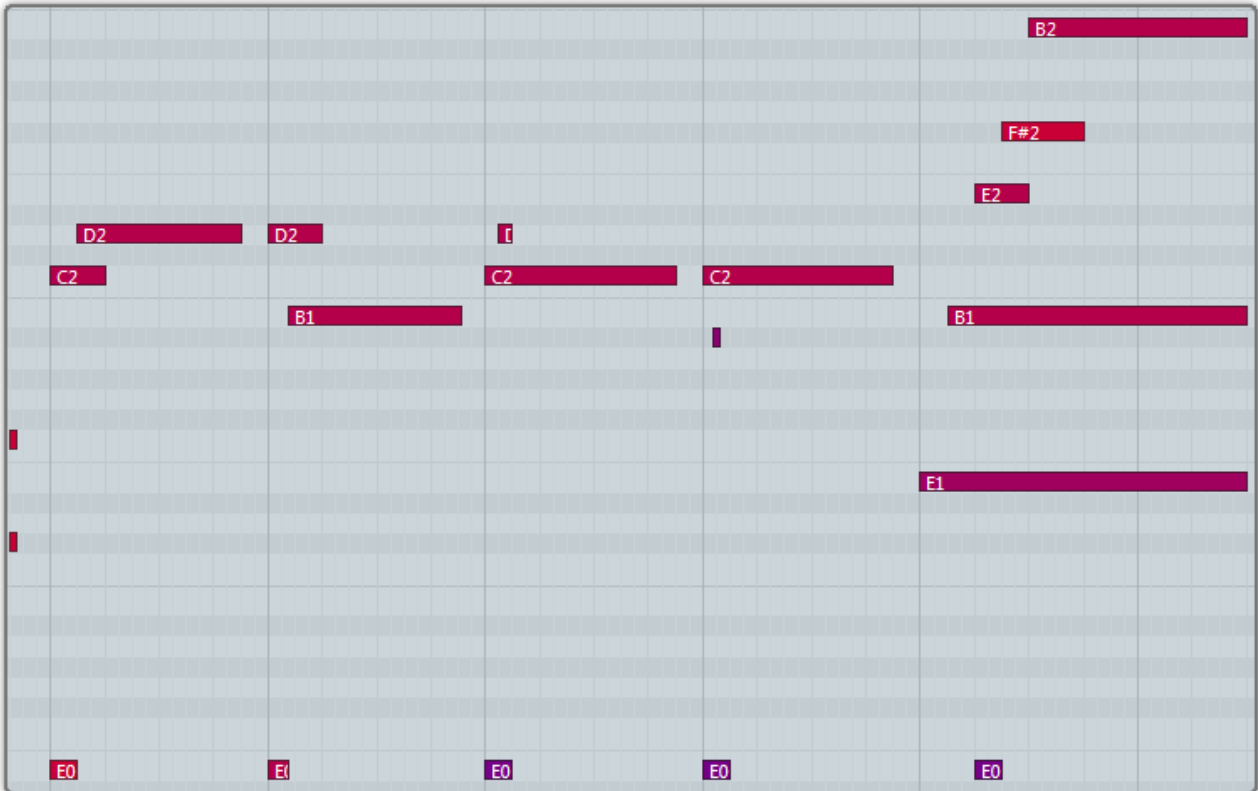
Keyswitch is F0. Triple is one of the mostly used articulations of pipa.

2.2.10 Legato Slide/Poly Legato

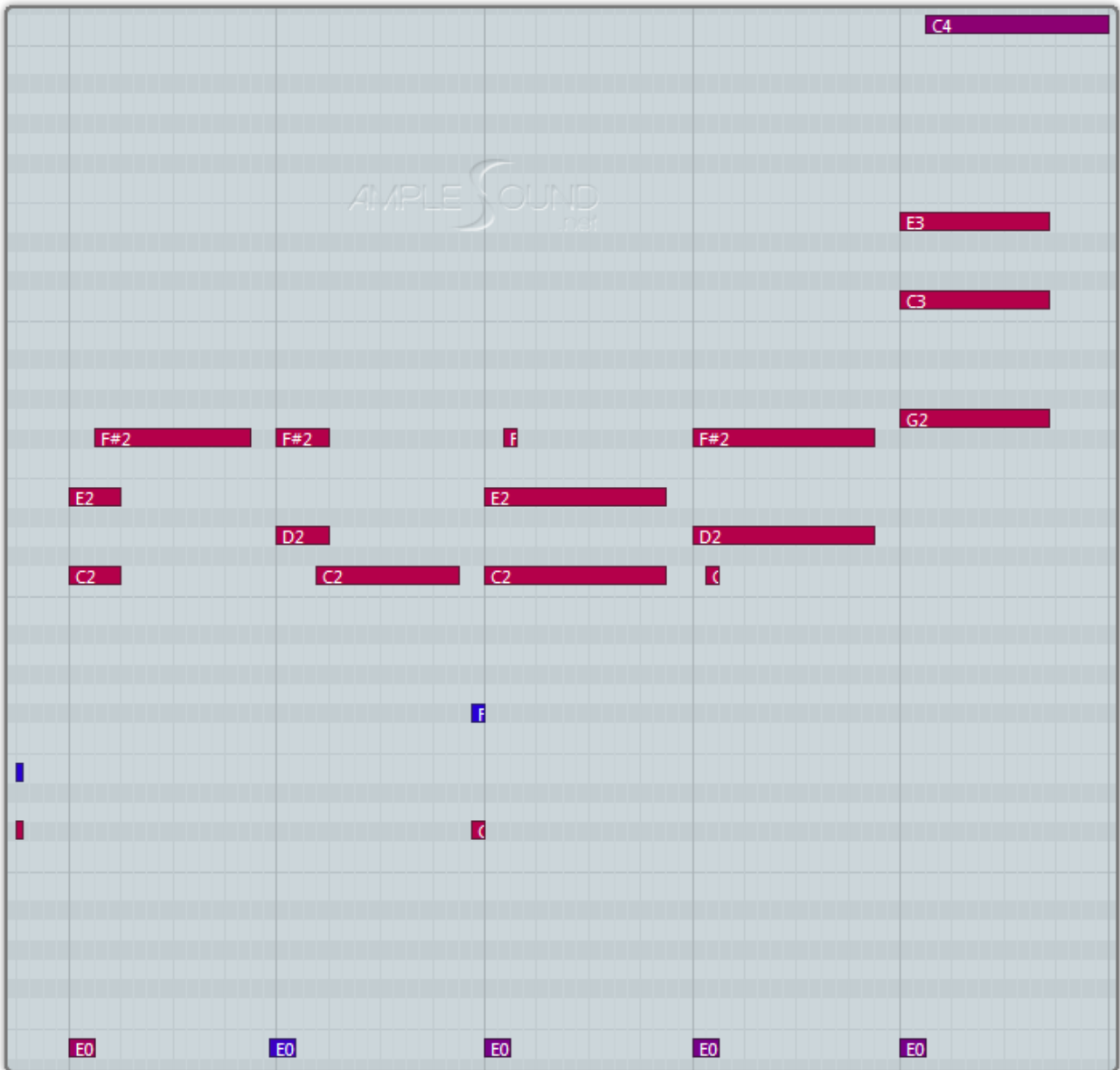
Keyswitch is E0. You can do any speed and pitch slides, the articulation will revert to previous one when destination note ends. Slide triggered by E0 of high velocity will change fret position.

Low velocity will not.

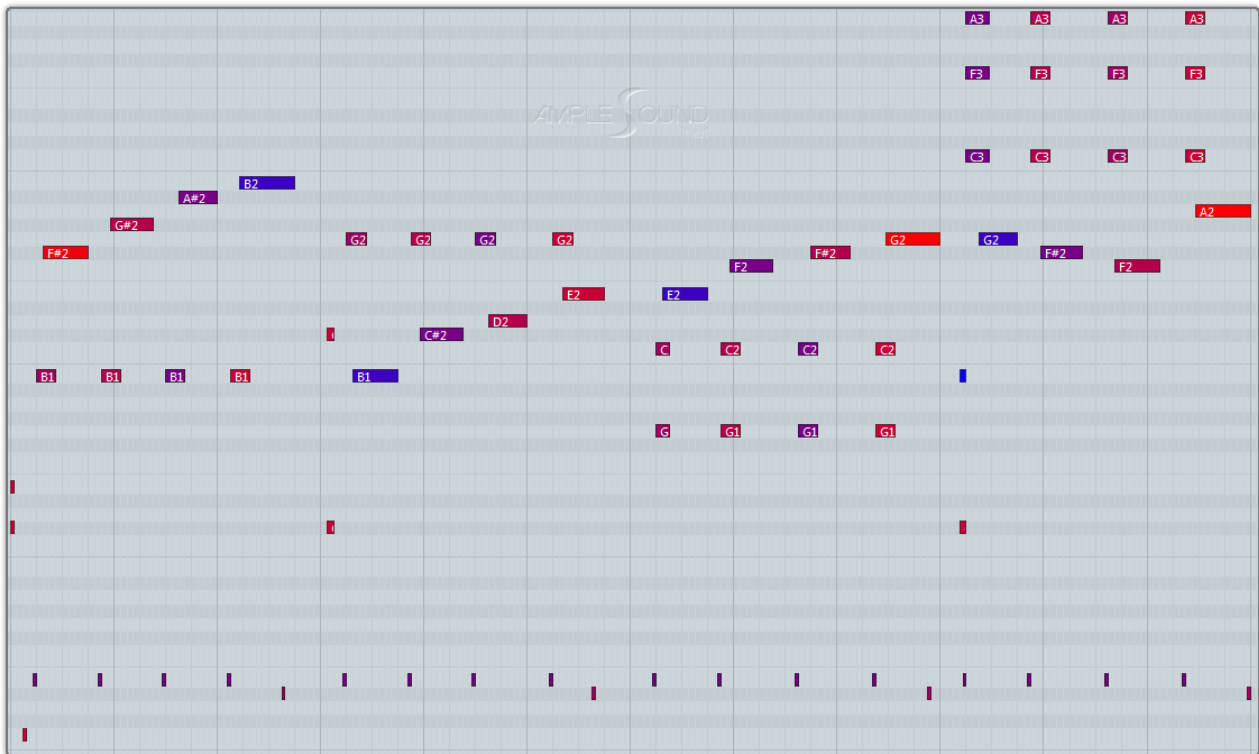
- * The two notes must overlap in time.
- * E0 must be ahead of the start note.
- * The two notes must be on the same string.



Poly Slides: Press the highest note of destination to slide upwards; Press the lowest note of destination to slide downwards.



Slide Smoother: The speed of long legato slide (slide more than 2 frets) is determined by the velocity of destination note. Higher the velocity, faster the speed.



Auto Slide requires:

1. Auto legato mode is Auto Legato Slide.
2. The two notes must overlap in time.
3. The two notes must be on the same string.
4. Instrument Mode.

2.2.11 Full Bend

Keyswitch is F#0, high velocity notes (Vel = 127-65) are fast, low velocity notes (Vel = 64-1) are slow.

2.2.12 Bend Up

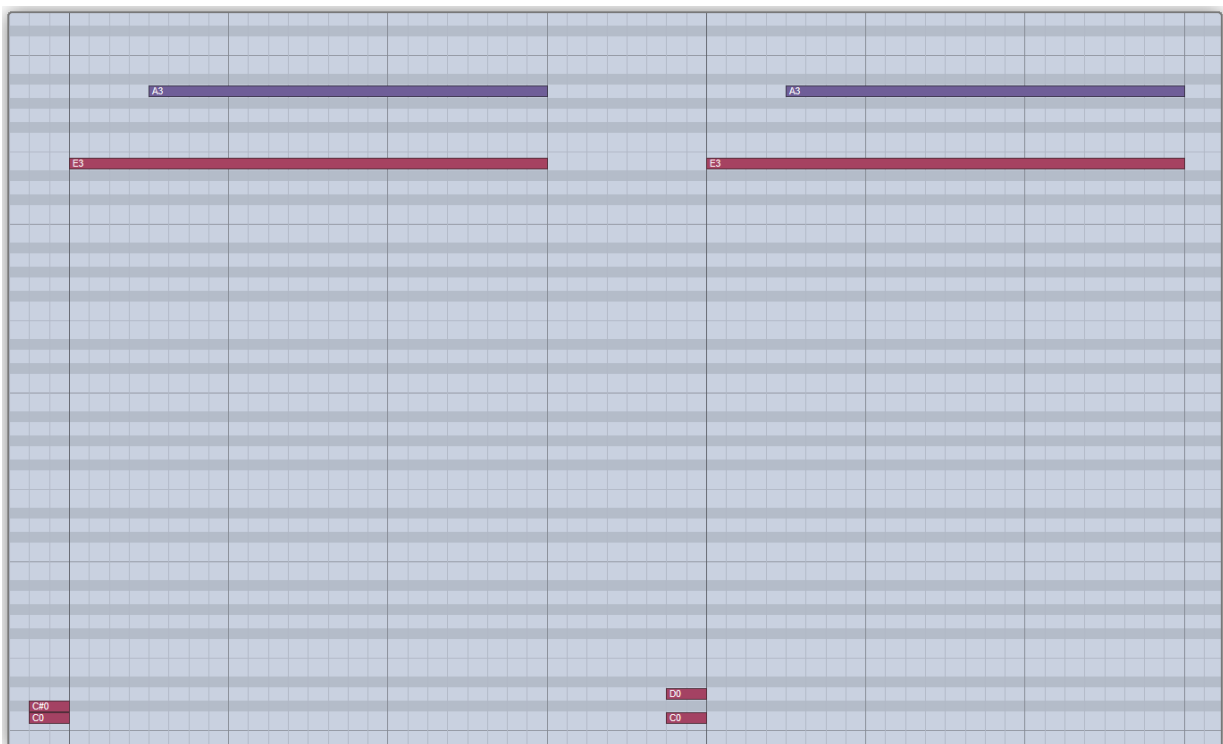
Keyswitch is G0, high velocity notes (Vel = 127-65) are fast, low velocity notes (Vel = 64-1) are slow.

2.2.13 Bend down

Keyswitch is G#0, high velocity notes (Vel = 127-65) are fast, low velocity notes (Vel = 64-1) are slow.



2.2.14 Doubled Keyswitches

Press C0 and D0 at the same time to use a special articulation, where Sustain is triggered with velocity 64-127, and Tremolo is triggered with velocity layer 1-63



2.3 Mic Mode

Ample China Pipa is recorded with multi microphones. You can adjust the volume of different microphones to get more sound.

1.  Stereo Mode
2.  Mono Mode

2.4 Controllable Resonance Sound



Resonance Time



Resonance Volume

Resonance is an indispensable part of the expressiveness and realism of an acoustic instrument.

Ample Sound Sample Engine can control the Resonance Time and Resonance Volume.

2.5 Capo

It simulates the real guitar capo. It can transpose the pitch without changing the fingering.


2.6 Rich Fingering Noise


In real performance, a lot of playing noises are generated. Virtual instrument would sound unnatural without those noises. Ample Sound Engine can generate rich Fret Noise automatically.


FA: Nail Sound Gain

FR: Fret Release Sound Gain

2.7 Play Mode Switch

Instrument Mode:  It is limited by the real playing rules of the instrument, such as two notes on the same string cannot ring simultaneously.

Keyboard Mode:  When Keyboard Mode is on, multiple notes can be played on same string simultaneously.

Solo Mode:  Only a single note can be played simultaneously.

* Both Keyboard Mode and Solo Mode will disable Automatic Legato.

2.8 Auto Legato Mode Switch

There are 3 modes: Automatic Slide; Automatic Hammer On and Pull Off; Off.

Note D#6 with high velocity sets the mode to Automatic Slide, and low velocity sets the mode to Off.

2.9 Open String First

A1 D2 E2 and A2 4 notes will be played on open strings.

It can be toggled on with note G#6, High velocity toggles on, Low velocity toggles off.

2.10 Stroke Noise

A strummed noise will be generated automatically for polyphonic notes.

2.11 Vibrato Wheel

Play the mod wheel back and forth to manually control vibrato. It triggers a vibrato noise when the value ≥ 0.75 .

To vibrate automatically, open Settings Panel and toggle on Auto Mod.

2.12 String Force & Capo Force

2.12.1 String Force

Specify a string to be played. A0-C1 correspond to 4th string-1st string. High velocity String

Force will affect fret position, while low velocity will not.

2.12.2 Capo Force

Switch to a fret position manually. A yellow line will be displayed after pressing C#1, Press A1-D3 to switch to position 0-17 respectively.



2.13 FX Sound Group

Note	Name
F5	Scratch Noise
F#5	Twisted Sting Noise
G5	Muting Noise
G#5	Wind
A5	Downstroke Noise
A#5	Upstroke Noise
F6	Slap on the left side of instrument
F#6	Slap on the right side of instrument
G6	Flick

2.14 Poly Repeater

Press D6 and E6 to repeat notes being played. Polyphonic notes are supported.

2.15 Hold Pedal Toggle

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Online Service: <http://www.facebook.com/AmpleSoundTech>

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