Main Panel Manual
Ample Bass Jaco Fretless

Beijing Ample Sound Technology Co. Ltd

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1 Instrument Panel

1.1 Overview of Instrument Panel

1. Save/Load Preset
2. Alternate Tuner
3. Capo Force Display
4. Slap Volume Ratio
5. Tone
6. String Force Display

1.2 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 Alternate Tuner

You can tune every string by turning its corresponding tuner, 2 semitones down at most. Tuning is fully compatible with strummer, tab and all articulations.

2 Main Panel

2.1 Overview of Main Panel

1.	Articulations & Poly Legato Keyswitches
2.	Sound Mode
3.	DI Volume
4.	Stereo Volume
5.	Master Volume
6.	Pan
7.	Auto Buzz
8.	Capo
9.	Capo Logic Mode
10.	Release Sound Gain
11.	FX Sound Gain
12.	Buzz Noise Gain
13.	Fingering Sound Toggle & Gain
14.	Playing Mode Switch
15.	Auto Legato Mode Switch
16.	Open String First
17.	Bend
18.	Vibrato Wheel
19.	Capo Force
20.	Manual Buzz
21.	Octave Pattern
22.	Dead Note
23.	Note Repeater
24.	FX Sound Group
25.	Auto Legato Mode Keyswitch

26. String Force
27. Open String First Keyswitch
28. Tab Play Keyswitch
29. Riff Play Keyswitch
30. Capo Logic Mode Toggle
31. Hold Pedal Toggle

2.2 Articulations & Poly Legato

2.2.1 Articulation List

Abbr.	Full Name	Keyswitch	Range
Sus	Sustain & Pop	C0	B0-G4
NH	Natural Harmonic	C#0	E1-D4
PM	Palm Mute	D0	E1-G4
SIO	Slide In from below & Slide Out downwards	D#0	F#1-G4
LS	Legato Slide (Poly Legato)	E0	F1-G4
HP	Hammer-On & Pull-Off	F0	E1-G4
Rep	Repeat	F#0	E1-G4
Slap	Slap(vel 64-127) & Slap Dead Note(vel 1-63)	G0	E1-E4
AH	Artificial Harmonic	G#0	E1-E4
Pop	Pop(vel 64-127) & Pop Dead Note(vel 1-63)	A0	E1-E4

2.2.2 Sustain & Accentuation

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

2.2.3 Natural Harmonic

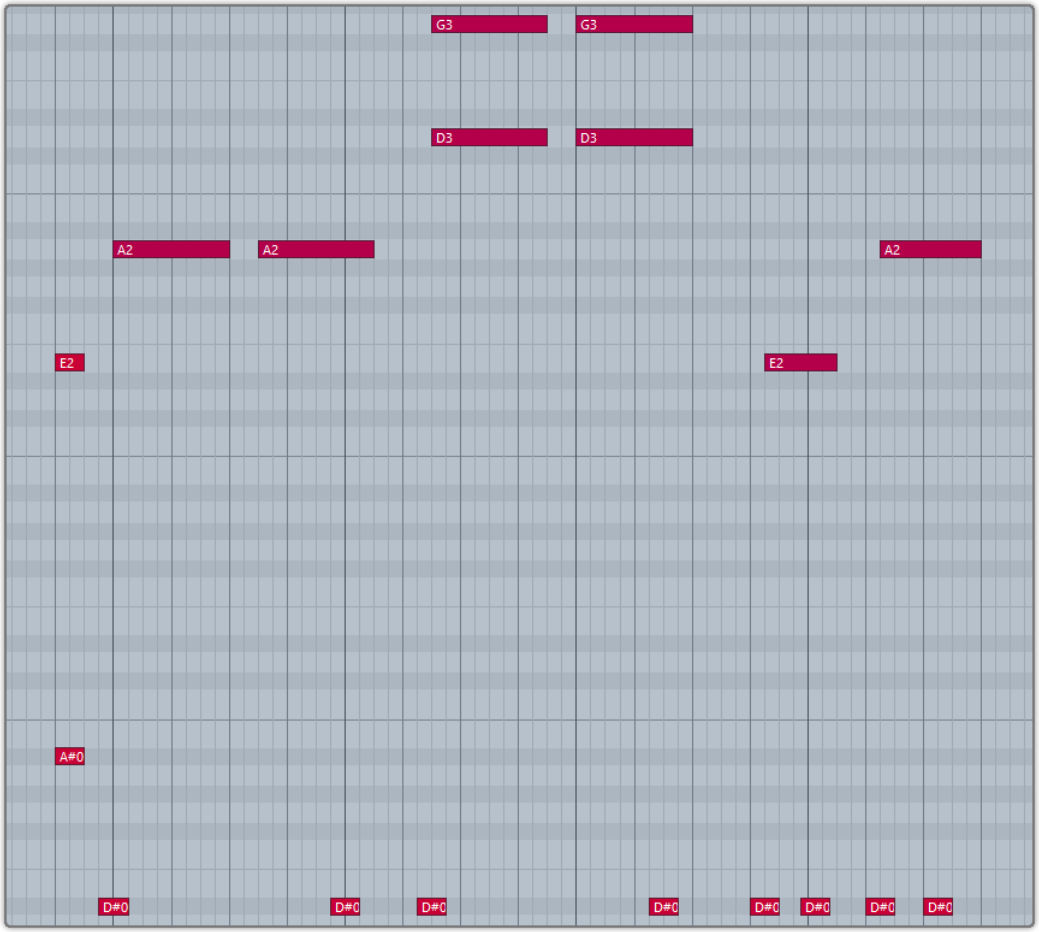
Keyswitch is C#0.

2.2.4 Palm Mute

Keyswitch is D0. Lower the velocity, greater the mute depth. If you press C0 and D0 at the same time, subsequent notes of high velocity will be Sustain and notes of low velocity will be Palm Mute.

2.2.5 Slide In from below & Slide Out downwards

Keyswitch is D#0. When D#0 is before a note, subsequent note will be Slide In. When D#0 is during a note, Slide Out is triggered whose velocity is determined by D#0. Articulation will revert to Sustain when note ends.



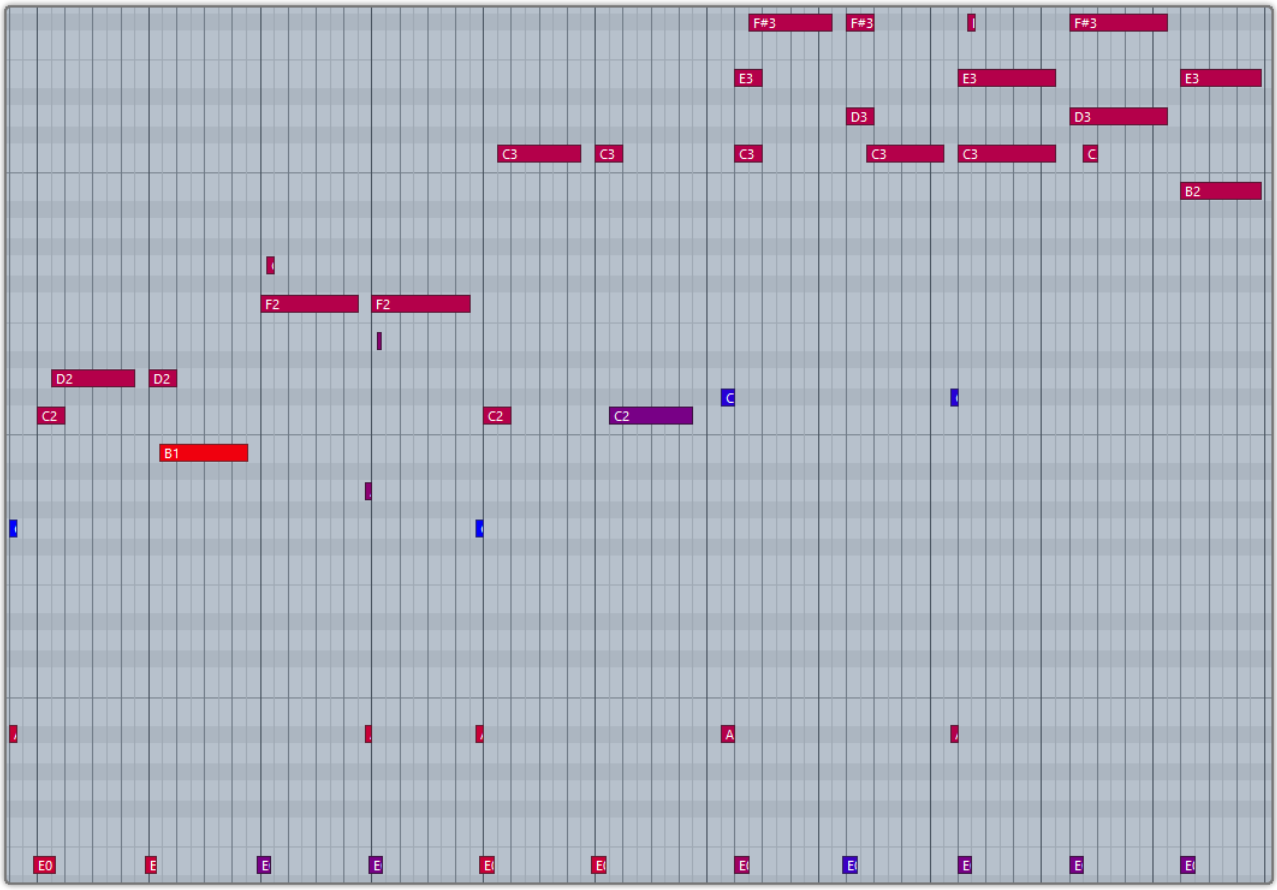
2.2.6 **Legato Slide (Poly Legato)**

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 Legato: 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.

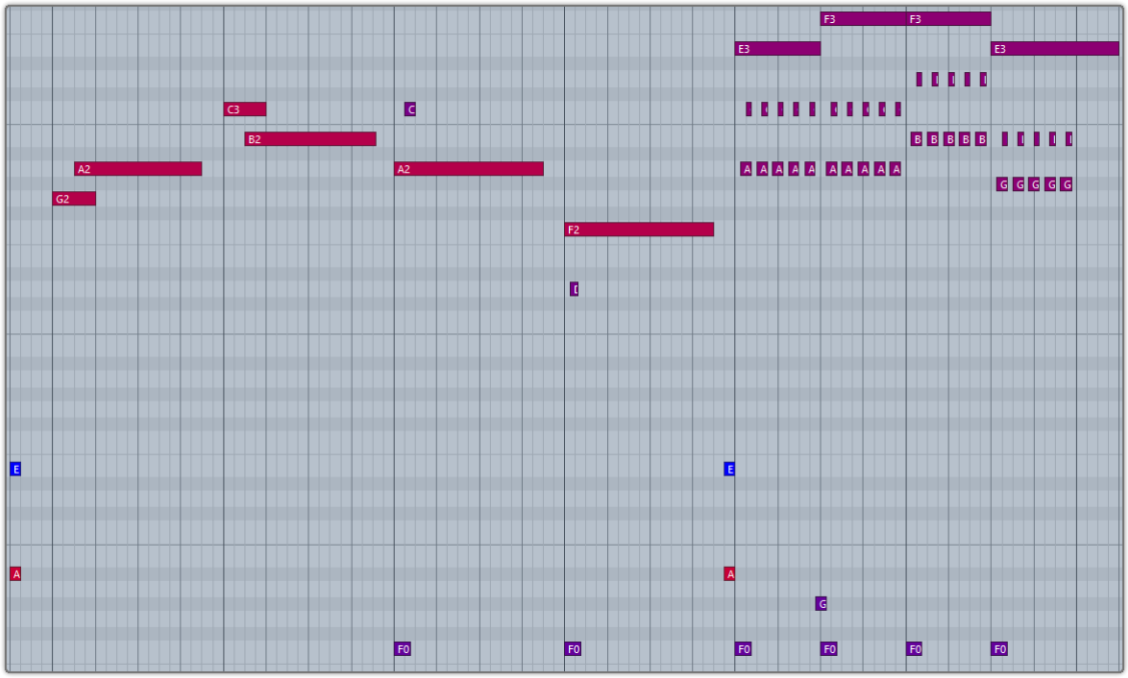
2.2.7 Hammer-On & Pull-Off (Poly Legato)

Keyswitch is F0. Articulation will return to previous one when destination note ends. HP triggered by F0 of high velocity will change fret position if it goes beyond current position. Low velocity will not.

* The two notes must overlap in time.

* F0 must be ahead of the start note.

* The two notes must be on the same string.



Poly Legato: Press the highest note of destination to Hammer On; Press the lowest note of destination to Pull Off.

Auto HP requires:

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

2.2.8 Repeat

Keyswitch is F#0

2.2.9 Slap

Keyswitch is G0. Subsequent note of low velocity will be slap dead note.

2.2.10 Artificial Harmonic

Keyswitch is G#0

2.2.11 Pop

Keyswitch is A0. Subsequent note of low velocity will be slap dead note.

Press G0 and A0 at the same time, subsequent notes on string 3&4 will be Slap and string 1&2 will be Pop.

2.2.12 Doubled Keyswitches

Press 2 Keyswitches at the same time to get two articulations to switch via velocity layer.

2.3 Sound Mode

Mono and Stereo DI modes are available.

1. Stereo Mode
2. Mono Mode

2.4 Capo

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

2.5 Capo Logic Mode

2 kind of Capo Logic modes:

1.

   Melody Mode: Melody Mode, the range is 3 octaves.

2.

Chord Mode: the range is 5 frets.

2.6 Buzz

When toggled on, notes will be randomly buzzed depending on frequency.

When you press A4, all ringing notes will be buzzed.

2.7 Rich Fingering Sound

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：Fingering Attack Sound Gain

FR：Fingering Release Sound Gain

2.8 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.

2.9 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.

2.10 Open String First

E1 A1 D2 and G2 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.

2.11 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. E6-G6 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. Press A#0, then press E1-G#2 to switch to position 0-16 respectively.

2.13 FX Sound Group

Note	FX Sound
F5	Scratch 1
F#5	Scratch 2
G5	String Slap
G#5	Slap Noise by Left hand
A5	Slap Noise by Right hand
A#5	FX Slide 1: SIO on E string
B5	FX Slide 2: SIO on A string
C6	FX Slide 3: SO on E string
C#6	FX Slide 4: SO on A string

2.14 Octave Pattern

Press B4, C5, D5 and E5 will respectively trigger descending fourth, unison, ascending fifth and ascending octave of current note or last ended note with octave shape.

2.15 Note Repeater

Press C#5，D#5 to repeat notes being played. Multiple notes are supported.

2.16 Hold Pedal Toggle

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