# Ample Riffer 2 Manual

# Piano Roll version

**Ample Sound Technology Co.**

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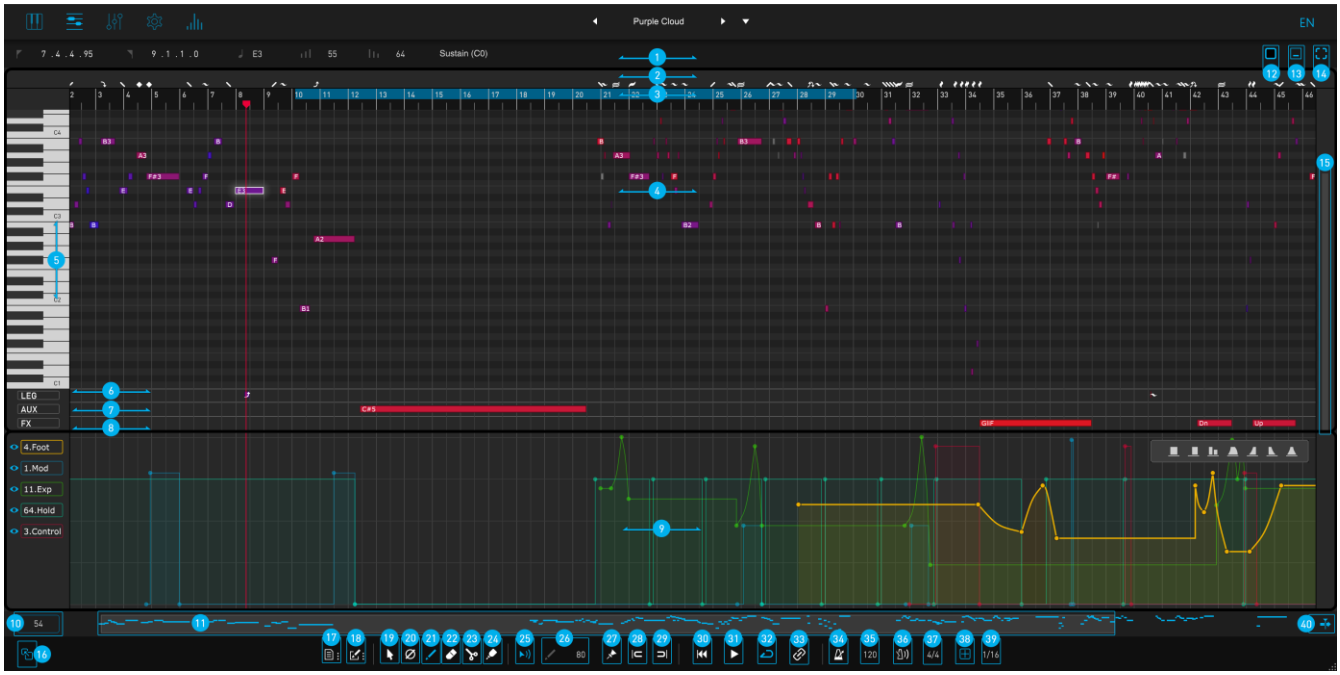
# 1 Overview of Riffer Panel




| |
|---|
| 1. Note Properties Lane |
| 2. Expression Lane |
| 3. Loop Area |
| 4. Piano Roll |
| 5. Virtual Keyboard |
| 6. Legato Lane |
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| |
|---|
| 17. File Menu |
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| 36. Riff Metronome Toggle |
| 37. Riff Time Signature |
| 38. Snap to Grid |
| 39. Riff Quantize |
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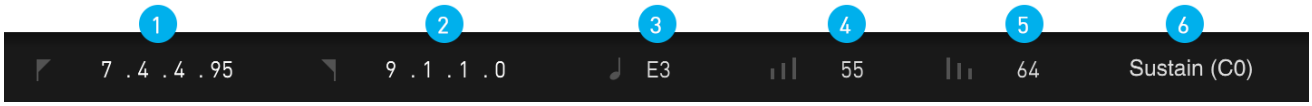
# 2 Note Properties




When a note is selected, the note properties will be shown on the title area. There are 8 properties for each note: Start Time, End Time, Pitch, Velocity, Note Off Velocity, Articulation, Vibrato, and Bend.

* Click to enter a value or drag the number up and down or use the scroll wheel to modify parameters.

## 2.1 Note On

## 2.2 Note Off

## 2.3 Note Pitch

- Select the pitch from the drop-down list.
- Drag in the pitch list to change the pitch of the selected note.
- Select a note and use the up and down arrow keys to change the pitch.
- Shift + up and down arrow keys to change the octave of the selected note.

## 2.4 Velocity

Ctrl(Win)/Cmd(Mac) + up and down arrow keys can modify the velocity value (by step of 1).

## 2.5 Note Off Velocity

Control the volume of Release and Fingered Release.

## 2.6 Articulation

Select the desired articulation from the drop down list.

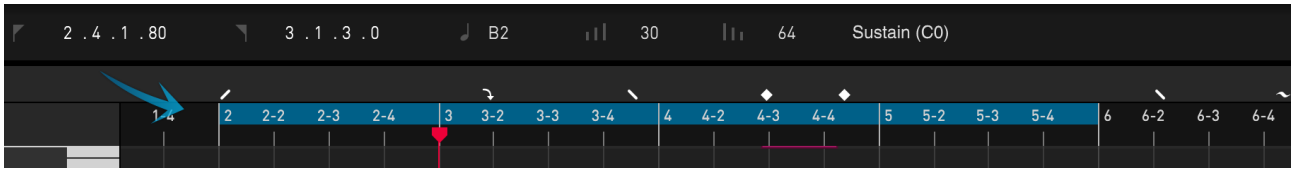
# 3 Expression

**Icons of Articulations**

| Icons | Articulation |
|---|---|
| | Nature Harmonic |
| | Expressive Tremolo |
| | Straight Tremolo |
| | Glissando |
| | Glissando Up |
| | Glissando Down |
| | Bend Return, Bend |
| | Bend Up |
| | Bend Down |
| | Single Vibrato |
| | Vibrato, Pre-Vibrato |
| | Short Tremolo |

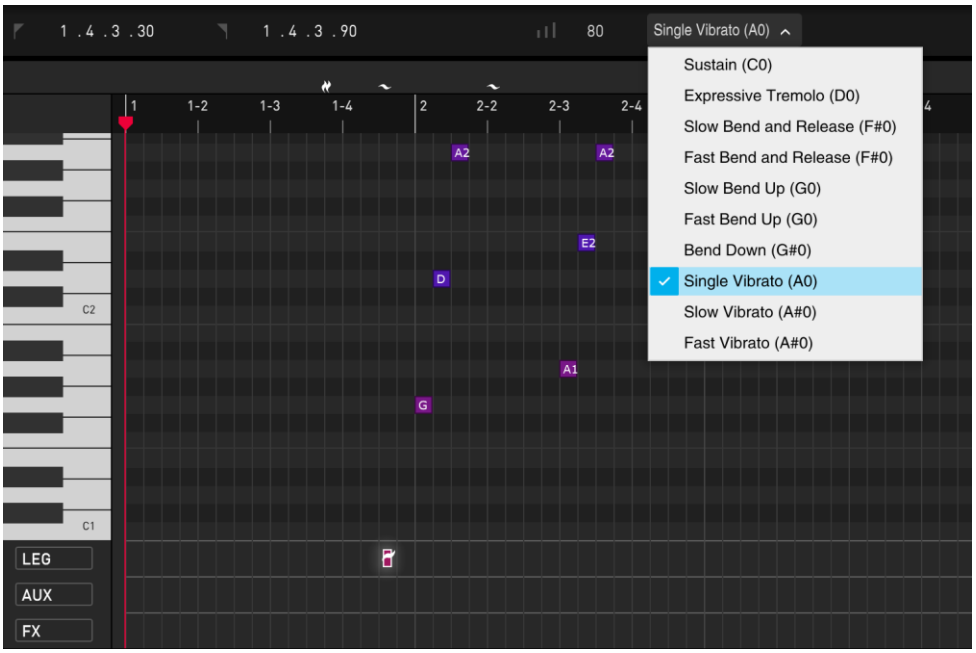
# 4 Loop Area

Select the area to be looped for playback.



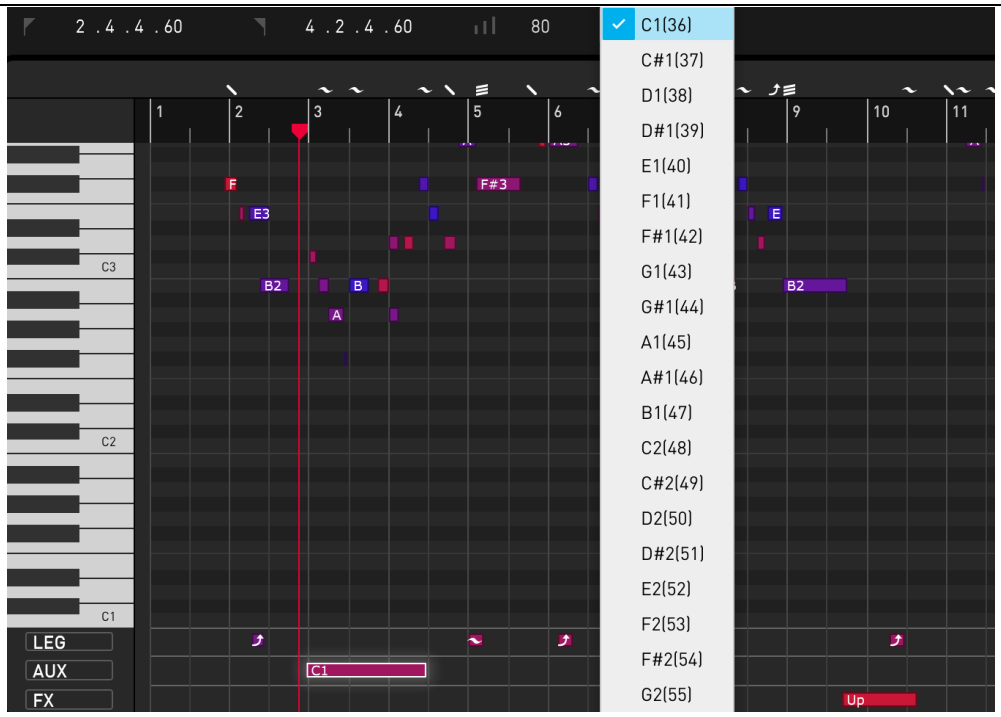
# 5 Virtual Keyboard

# 6 Legato Lane



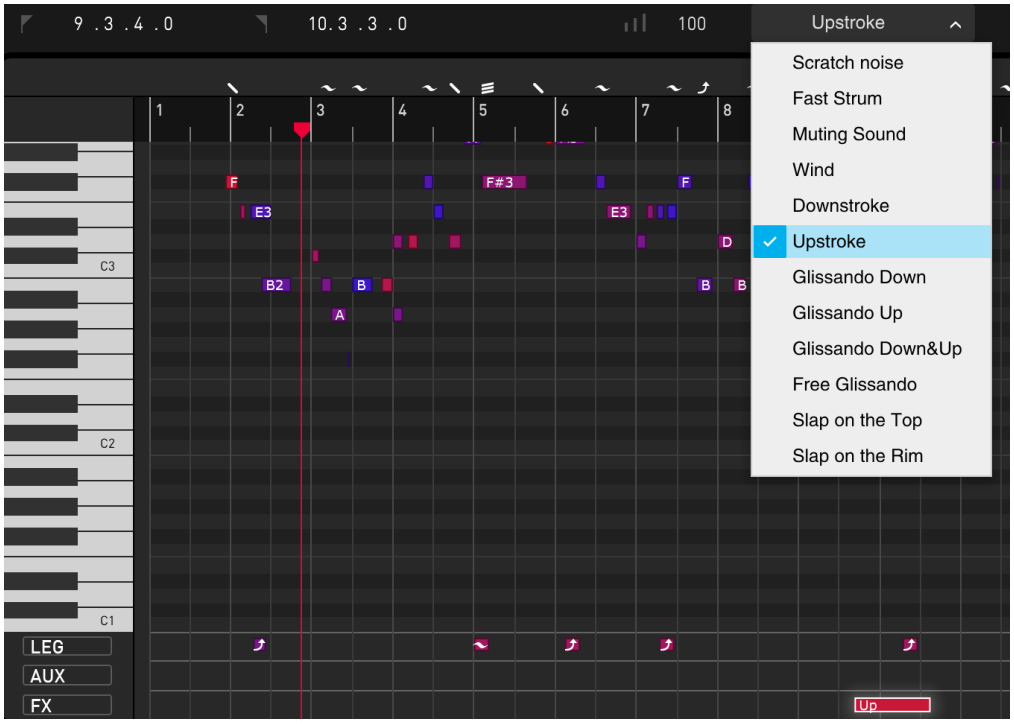

# 7 AUX Lane

An auxiliary note has 6 properties: Start Time, End Time, Velocity, Arpeggio Type, Pitch, and Chord Type.



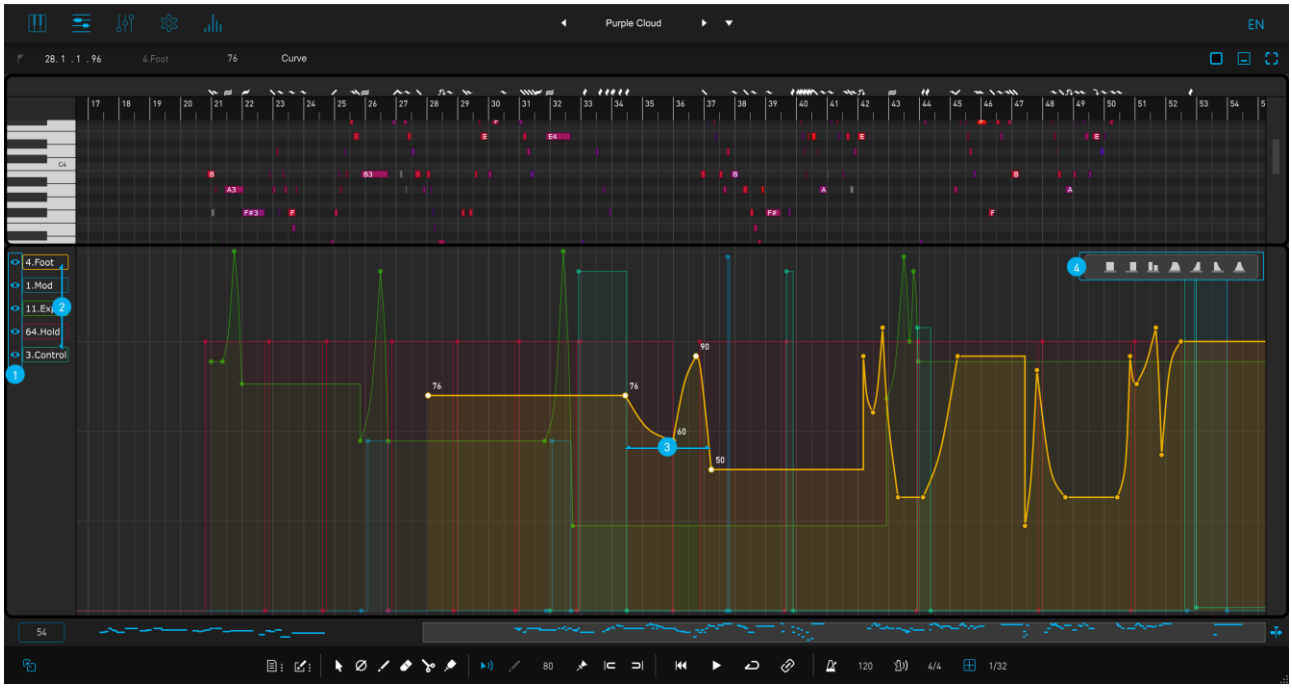

# 8 FX Lane

An FX note has four properties: Start Time, End Time, Velocity, and FX Type.



# 9 Measures

# 10 CC Panel




| | |
|---|---|
| 1. | Display Toggle |
| 2. | Controller Selection |
| 3. | Edit Area |
| 4. | Curve Preset |

## 10.1 Display Toggle

*Click the eye icon to show or hide current controller.

## 10.2 Controller Selection

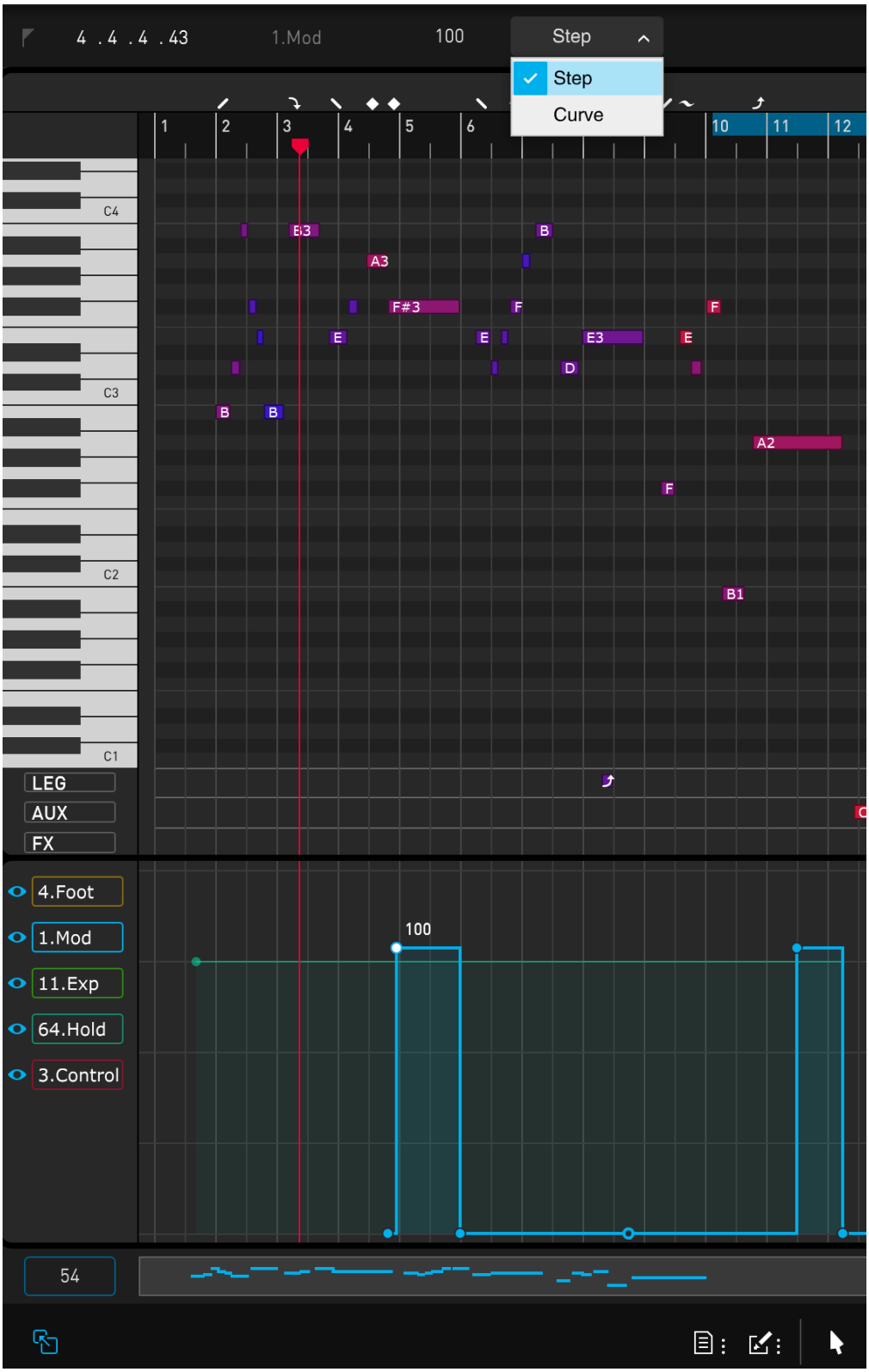
The controllers have various color and transparency, overlapped with each other. The selected controller is placed on top of others, and is editable.

Right click the controller name to switch to different controller.

| | | | |
|---|---|---|---|
| Bend | 32.BankSel LSB | 65.Porta On/Off | 98.NRPN LSB |
| 0.BankSel MSB | 33.Modulation LSB | 66.Sostenuto | 99.NRPN MSB |
| * 1.Mod | 34.Breath LSB | 67.Soft Pedal | 100.RPN LSB |
| 2.Breath | 35.Control | 68.Legato FS | 101.RPN MSB |
| ✓ * 3.Control | 36.Foot LSB | 69.Hold 2 | 102.Control |
| * 4.Foot | 37.Porta LSB | 70.Sound Var | 103.Control |
| 5.Portamento | 38.DataEnt LSB | 71.Harmonic | 104.Control |
| 6.DataEnt MSB | 39.Volume LSB | 72.Release Time | 105.Control |
| 7.Volume | 40.Balance LSB | 73.Attack Time | 106.Control |
| 8.Balance | 41.Control | 74.Brightness | 107.Control |
| 9.Control | 42.Pan LSB | 75.Control | 108.Control |
| 10.Pan | 43.Expr LSB | 76.Control | 109.Control |
| * 11.Exp | 44.Control | 77.Control | 110.Control |
| 12.Control | 45.Control | 78.Control | 111.Control |
| 13.Control | 46.Control | 79.Control | 112.Control |
| 14.Control | 47.Control | 80.Gen Purp 5 | 113.Control |
| 15.Control | 48.Control | 81.Gen Purp 6 | 114.Control |
| 16.Gen Purp 1 | 49.Control | 82.Gen Purp 7 | 115.Control |
| 17.Gen Purp 2 | 50.Control | 83.Gen Purp 8 | 116.Control |
| 18.Gen Purp 3 | 51.Control | 84.Porta Ctrl | 117.Control |
| 19.Gen Purp 4 | 52.Control | 85.Control | 118.Control |
| 20.Control | 53.Control | 86.Control | 119.Control |
| 21.Control | 54.Control | 87.Control | 120.AllSndOff |
| 22.Control | 55.Control | 88.Control | 121.Reset Ctrl |
| 23.Control | 56.Control | 89.Control | 122.Local Ctrl |
| 24.Control | 57.Control | 90.Control | 123.AllNoteOff |
| 25.Control | 58.Control | 91.ExtEff 1 Depth | 124.Omni Mode Off |
| 26.Control | 59.Control | 92.ExtEff 2 Depth | 125.Omni Mode On |
| 27.Control | 60.Control | 93.ExtEff 3 Depth | 126.Mono Mode On |
| 28.Control | 61.Control | 94.ExtEff 4 Depth | 127.Poly Mode On |
| 29.Control | 62.Control | 95.ExtEff 5 Depth | |
| 30.Control | 63.Control | 96.DataIncr | |
| 31.Control | * 64.Hold | 97.DataDecr | |

## 10.3 Edit Area

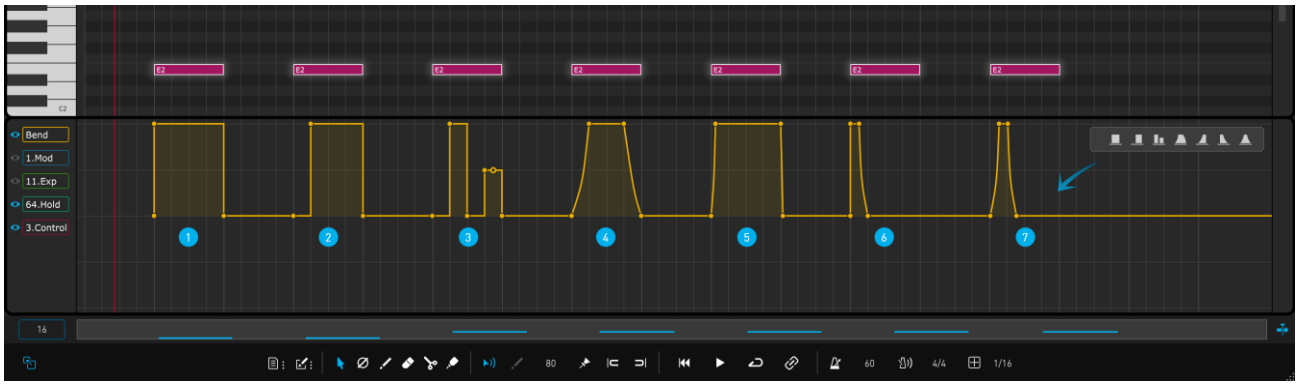
Each controller point has 4 properties: Time, Controller Type, Value and Curve Type.


4 . 4 . 4 . 43
1.Mod
100
Step
Step
Curve
1
2
3
4
5
6
10
11
12
C4
C3
C2
C1
LEG
AUX
FX
4.Foot
1.Mod
11.Exp
64.Hold
3.Control
100
54

## 10.4 Curve Preset

While one or more notes are selected, click the controller preset button to add a curve.

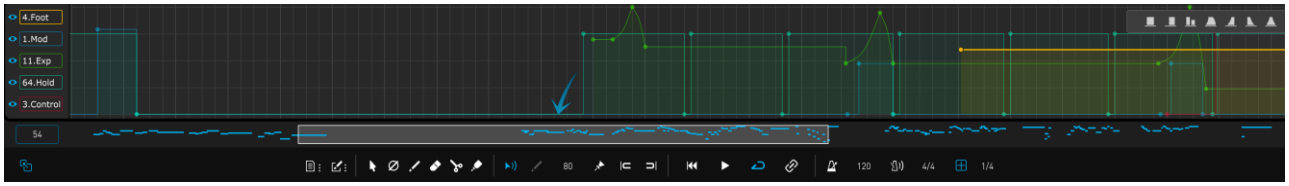
If the selected notes are overlapped, a single long curve is created, otherwise multiple curves will be created.




**Quick Edit**

| | |
|---|---|
| Double click | Create new controller point |
| Drag controller points | Change Time / Value |
| Drag the middle curve point between controller points | Change curve shape |
| Left / Right Arrow | Select left / right point |
| Delete / Backspace | Delete current point and select the point to the right |
| Shift + Mouse Drag | Change value with vertical quantization |
| Q | Quantize |

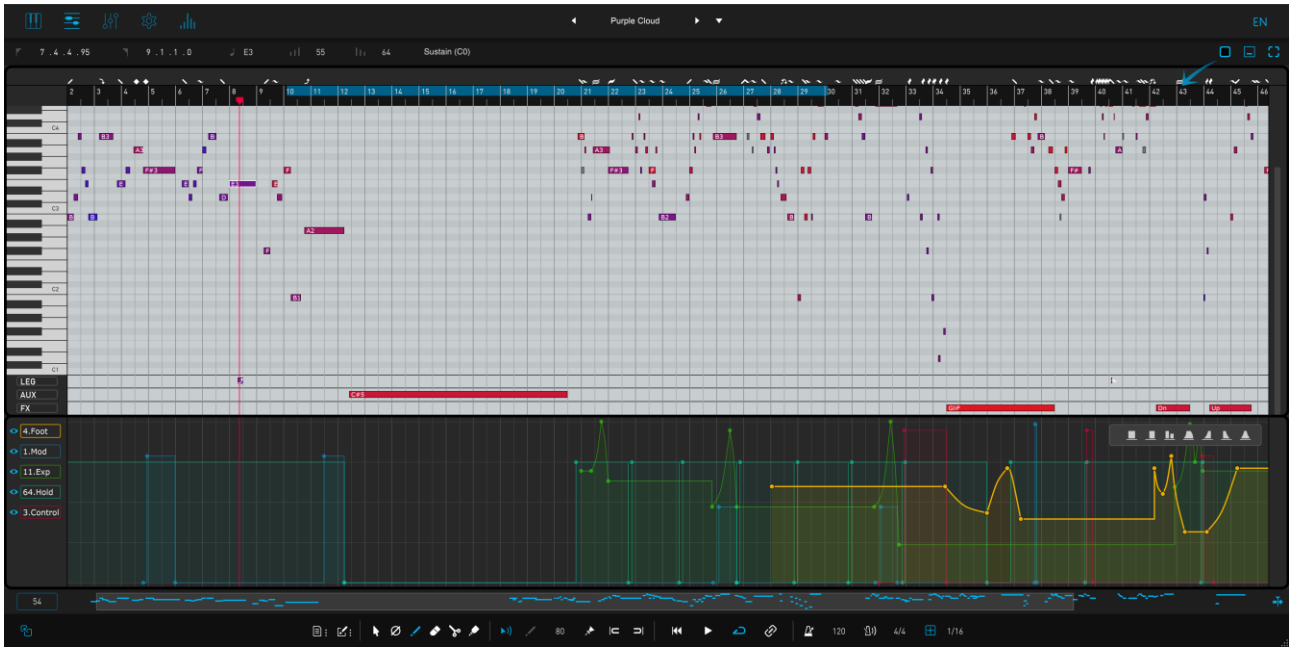
# 11 Thumbnail and Horizontal Scroll Bar



- Drag the thumbnail or scroll the mouse wheel to change the display region of the editing window.
- Dragging the scroll bar's border allows you to change the zoom ratio.
- Double-clicking the thumbnail restores the initial scaling ratio.
- Shift + Mouse wheel can move the scroll bar.

# 12 Color Theme

Click the switch to toggle between dark and light themes. Dark theme is the default.




# 13 Show CC Panel

# 14 Resize Riffer Panel

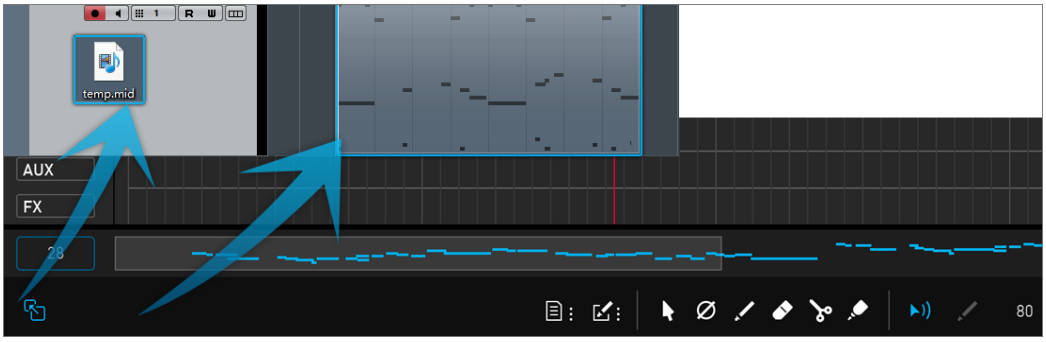
Click the icon the change the size of the Riffer Panel.

# 15 Vertical Scroll Bar

Drag the scroll bar's border to change vertical zooming.

# 16 Drag Midi to Host

## 16.1 Export Riff to MIDI

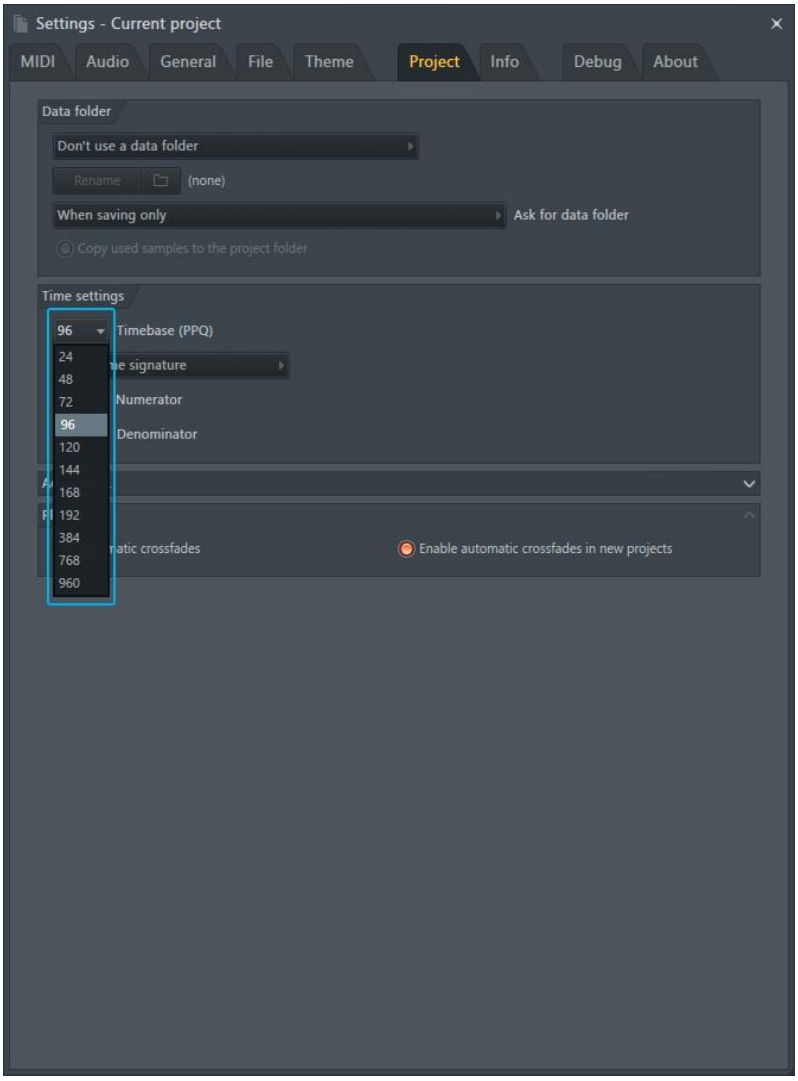



Drag the riff to MIDI track, or generate a MIDI file.

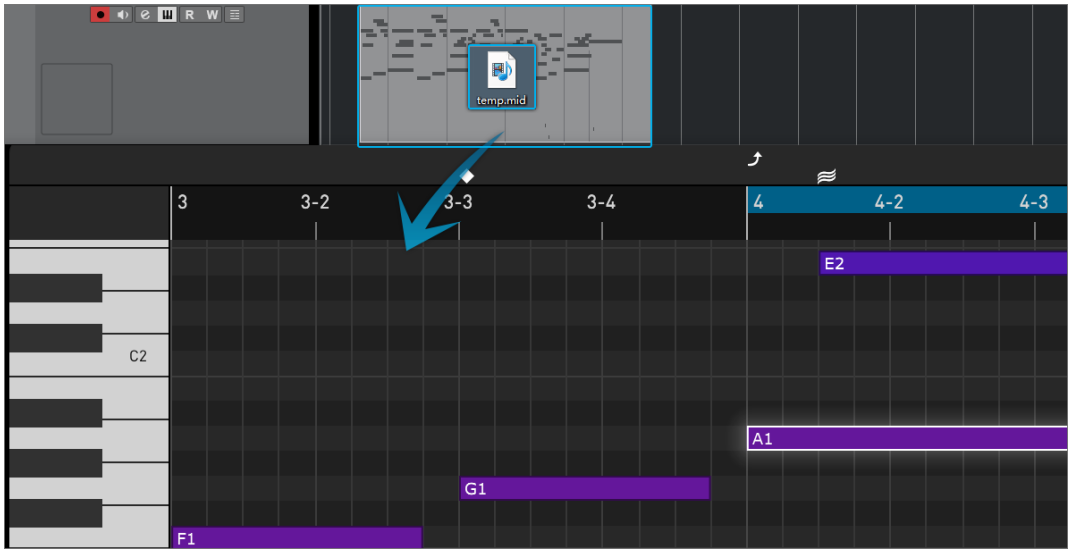
## 16.2 Export MIDI from Riffer in FL Studio

FL Studio's default timebase parameters are set relatively low, which may lead to MIDI playback errors. It's recommended to first adjust the timebase parameters to the maximum before exporting.

*Timebase setting path: Options - Project - Time Settings – Timebase（PPQ）.




# 16.3 Import MIDI to Riffer



The MIDI file can be imported to Riffer. The MIDI format must be MIDI 0 or MIDI 1, and make sure that there is only one track in the MIDI file.

*The MIDI block could be dragged into Riffer directly only in Cubase & Nuendo.

# 17 Score & Global Parameters

*For Mac users, please replace 'Ctrl' with the 'Cmd' key, and replace ‘Alt’ with the ‘Option’ key for the following hotkeys.

## 17.1 Flie Menu

| Name | Hotkey |
|---|---|
| New | Ctrl + Shift + N |
| Load | Ctrl + O |
| Save | Ctrl + S |
| Save As | Ctrl + Shift + S |
| Import MIDI | - |
| Export MIDI | - |
| Export Audio | |
| History | |

## 17.2 Edit Menu

| Name | Key Commands | Other |
|---|---|---|
| Undo | Ctrl + Z | |
| Redo | Ctrl + Shift + Z | |
| Cut | Ctrl + X | |
| Copy | Ctrl + C | |
| Duplicate | Ctrl + D | |
| Paste | Ctrl + V | Alt + Mouse drag on note |

| | | |
|---|---|---|
| Delete | Backspace / Delete | |
| Clear All | Ctrl + Backspace / Delete | |
| Select All | Ctrl + A | |
| Deoverlap Notes | Alt + L | Trim overlapping sections of notes with the same pitch |
| Velocity Rounding | | Round note velocity to the nearest 5 or 10 |
| Note On Rounding | | Round note on to the nearest 5 or 10 |
| Note Off Rounding | | Round note off to the nearest 5 or 10 |
| Legato | | Extend the selected note to the beginning of the next note with the same pitch |
| Restrict | | Trim overlapping parts in time of the selected notes (won’ t remove notes if have the same note on). |

**Other Quick Edits**

| | |
|---|---|
| Drag one or multiple notes with the mouse | Change the pitch and position of the notes |
| Drag the outer frame of a note horizontally | Change duration |
| Left/Right Arrow Keys | Select previos/next note of the same pitch |
| Up/Down Arrow Keys | Change the pitch |
| Shift + Up/Down Arrow Keys | Transpose by octave |
| Shift + Left/Right Arrow Keys | Change the position of the notes according to the quantization. |
| Ctrl + Left/Right Arrow Keys | Change the pitch |
| Ctrl + Up/Down Arrow Keys | Change the velocity (by step of 1) |

| | |
|---|---|
| Ctrl + Shift + Arrow Keys | Transpose by octave |
| Shift + V | Set the selected notes to default velocity |
| J | Toggle snap to grid on or off |
| Ctrl / Shift + Left Click | Add to or remove from selected notes |
| Ctrl + Click any key on the piano on the left | Select all notes of the same pitch |
| Alt + Mouse drag | Copy the selected notes to another location |

**View**

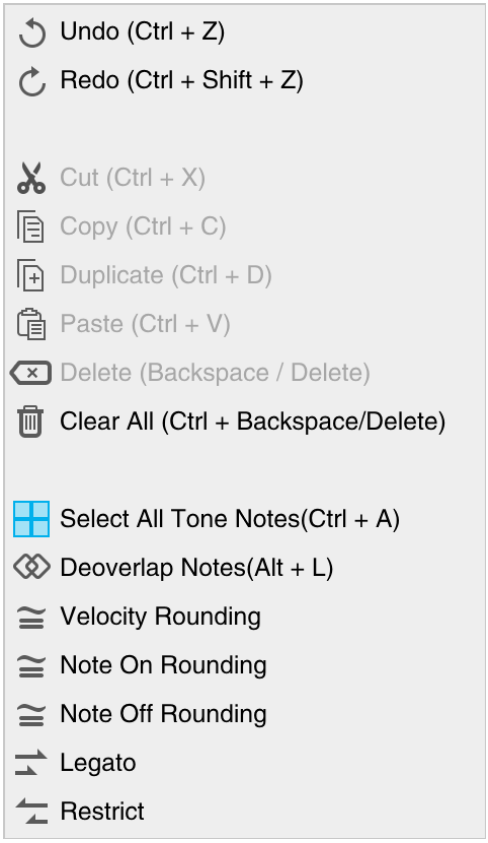
| | |
|---|---|
| H | Zoom in horizontally centered on the playhead |
| G | Zoom out horizontally centered on the playhead |
| F | Auto Scroll Toggle |
| Alt + Left Arrow Keys | Move the playhead to the first measure |
| Alt + Right Arrow Keys | Move the playhead to the last measure |
| Mouse wheel in the editing area | Move the editing area vertically |
| Shift + Mouse wheel in the editing area | Move the editing area horizontally |
| Ctrl + Mouse wheel in the editing area | Zoom in or out horizontally centered on the mouse position |
| Hold down the mouse wheel and drag left or right in the editing area | Move the current display position |
| Drag the scrollbar border | Zoom in or out |
| Double-click the scrollbar | Restore to initial zoom ratio |

## 17.3 Edit Tools

| Name | Hotkey | Other Hotkey |
|---|---|---|
| Select | 1 | Ctrl / Shift |
| Mute | 7 | |

| | | |
|---|---|---|
| Draw | 6 | Alt or Left double-click |
| Erase | 5 | |
| Split | 3 | Ctrl + Alt |
| Glue | 4 | |
| Quantize Note On | Q | |
| Quantize Note Off | Alt + Q | |

## 17.4 Right-click Menu



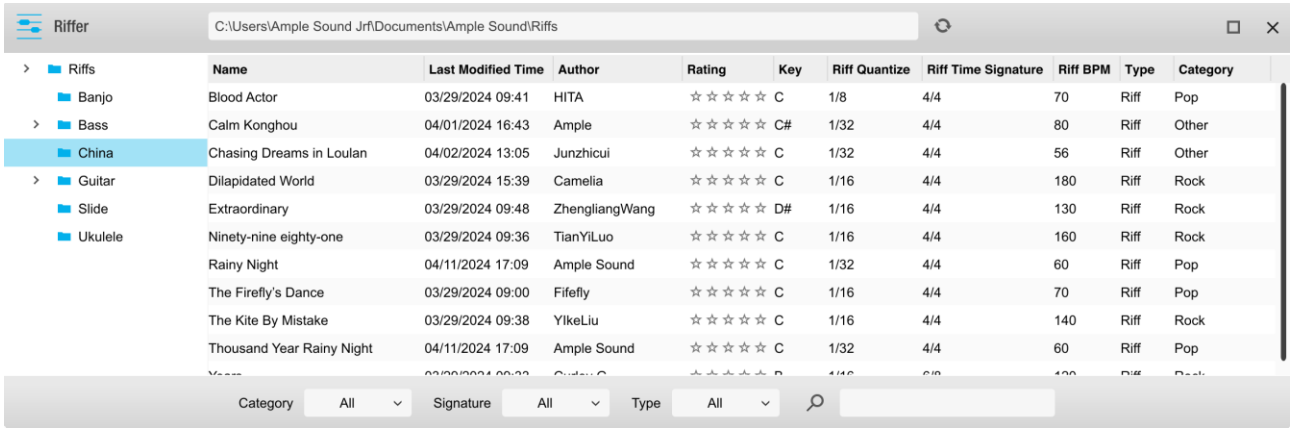

The Right-Click Menu has following operations: Undo, Redo, Cut, Copy, Duplicate, Paste, Delete, Clear All, Select All, Deoverlap, Velocity Rounding, Note On Rounding, Legato, Restrict.

## 17.5 Score Parameters

| | |
|---|---|
| Time Signature | Follow Host Time Signature when SYNC is on |
| BPM | Follow Host BPM when SYNC is on |
| Quantize | Follow Host Quantization when SYNC is on |

# 18 Preset & Save Window

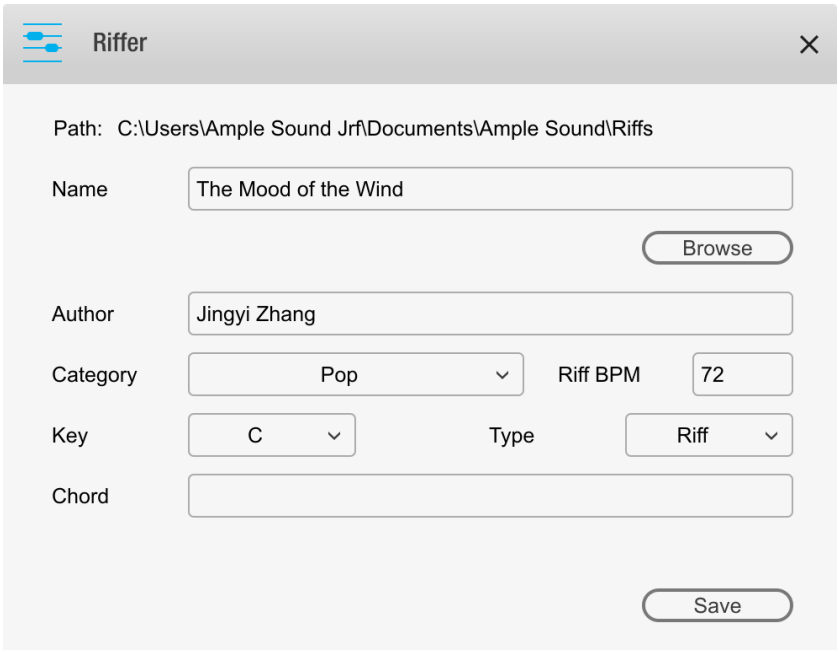
## 18.1 Preset Window




In this window you can display all the attributes (Category, Time Signature, Key, Quantize, BPM, Type and Author), sort presets according to an attribute, search and rate presets.

*Right click can remove rating.

## 18.2 Save Window




*Separated by commas if there are more than one chord.

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