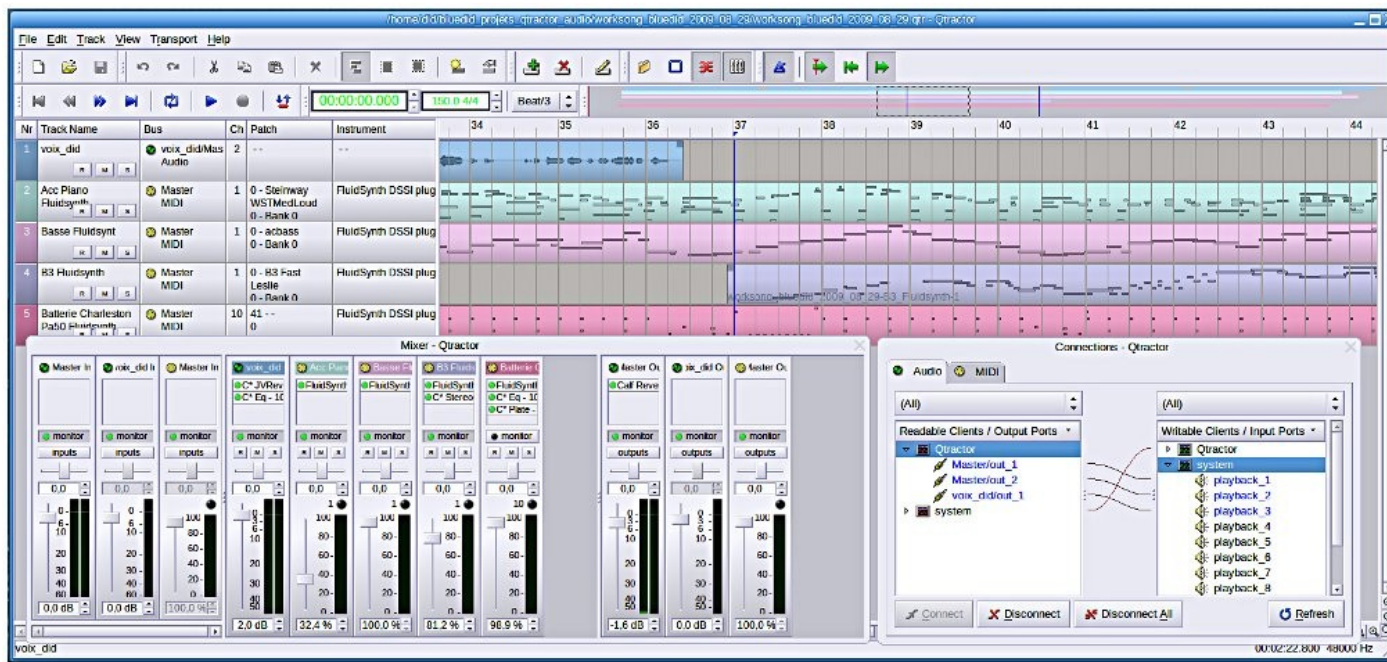


<https://qtractor.sourceforge.net>

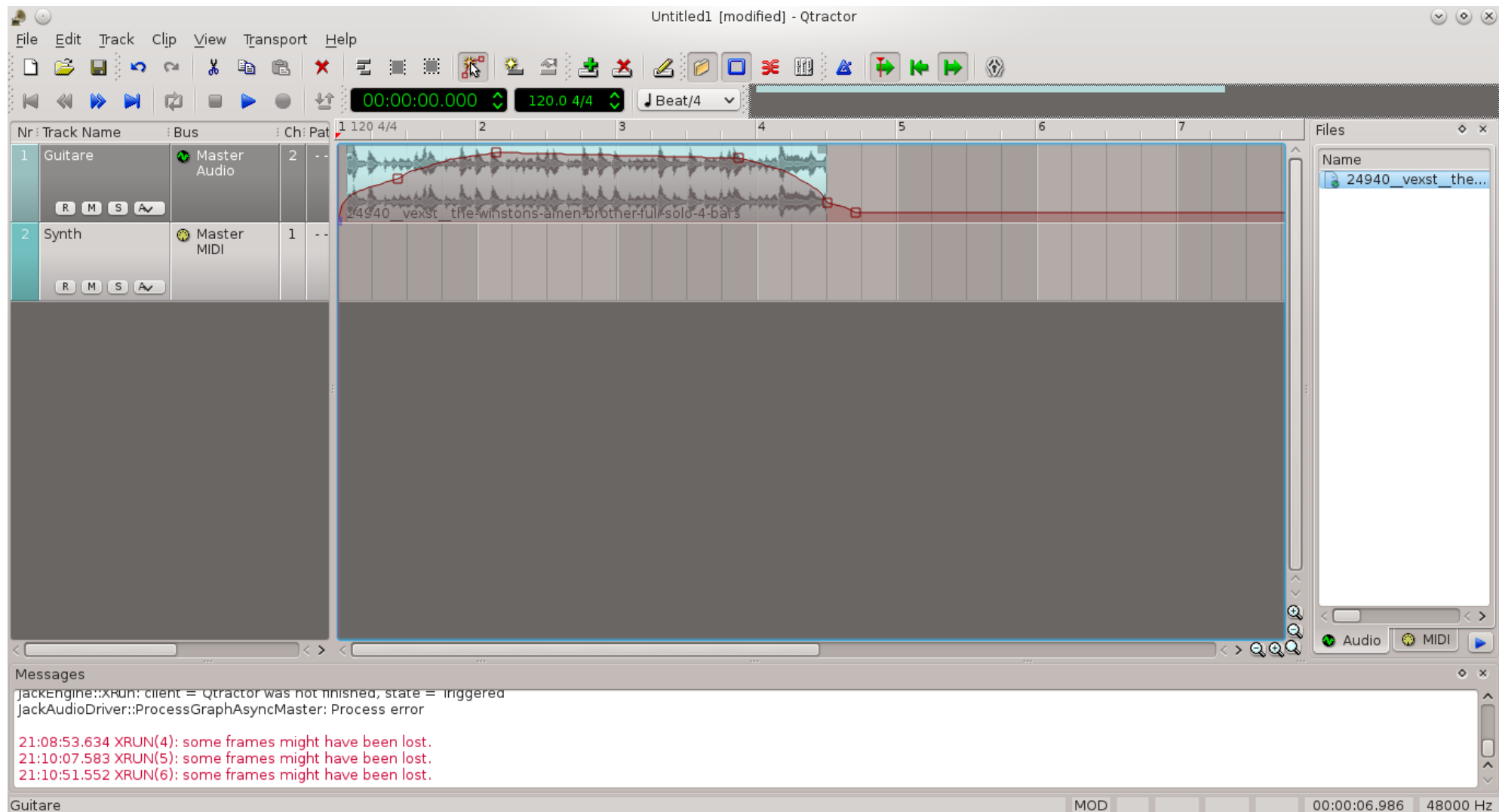


Y. Collette (ycollette.nospam@free.fr)  
<https://audinux.github.io>



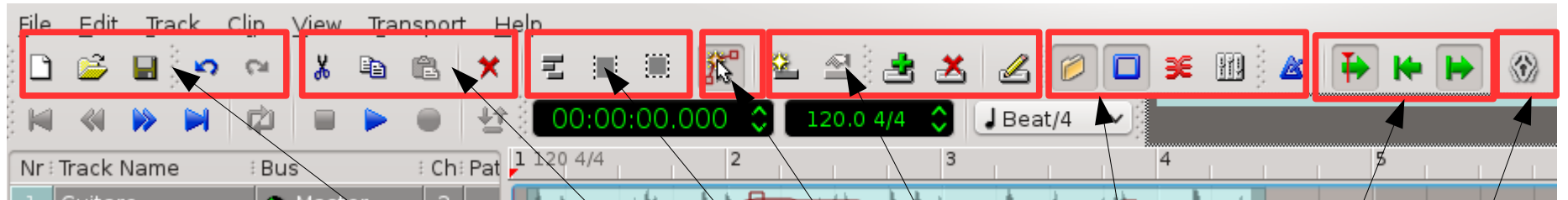


# Main interfaces





# Main interfaces



Button "Panic!" »»»  
Cursor management area  
Window management area  
Track management zone  
Automation button  
Selection zone  
Edition  
File zone



# Main interfaces



Menus

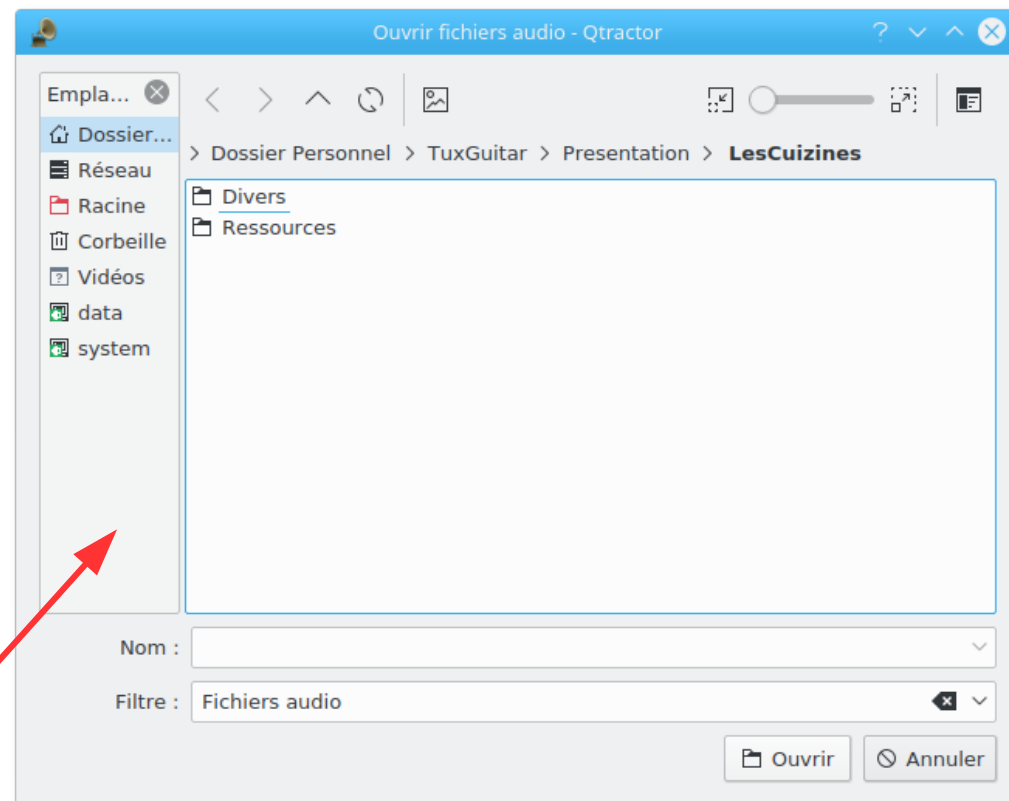
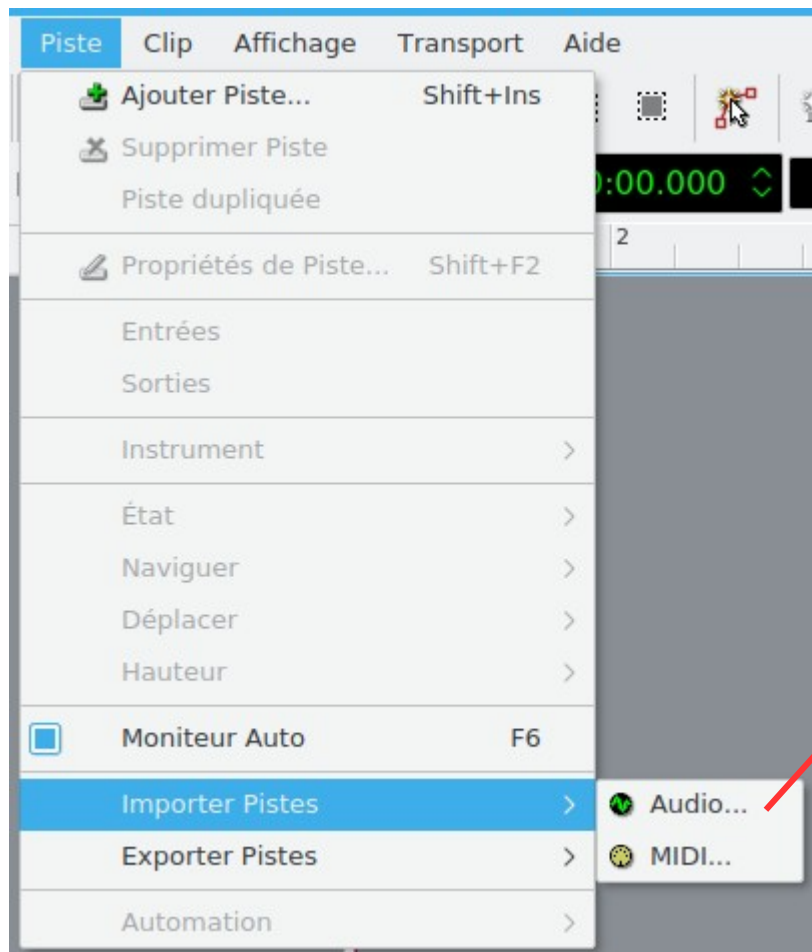
Transport area

Tempo zone

Overview zone of track content



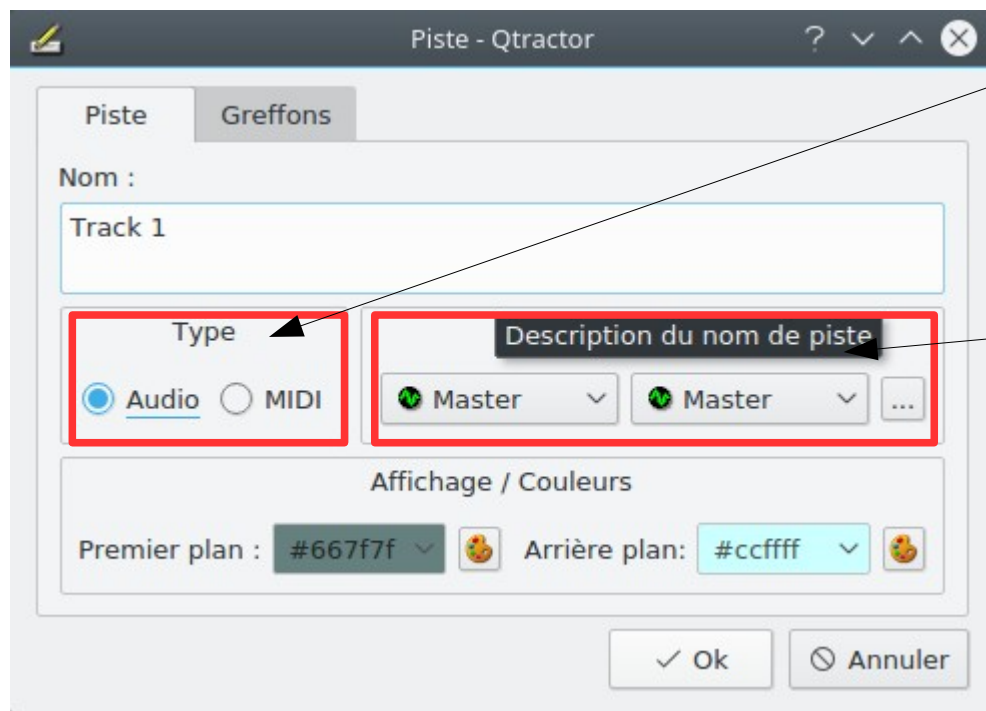
# Import audio files



Several files can be selected. They will be imported into separate tracks.



# Create an audio track



Tracking type selection:  
Audio or MIDI

Selecting the recording /  
listening bus (master  
most of the time)





# Create a MIDI track

Piste - Qtractor

Piste Greffons

Nom :  
Track 1

Type  
☐ Audio ☒ MIDI

Entrée / Sortie  
Master Master ...

MIDI / Instrument

☐ Omni Canal : 1 (Pas d'instrument) ▼

Méthode de sélection de banque : Normal ▼

Banque : (Rien) ▼

Programme : (Rien) ▼

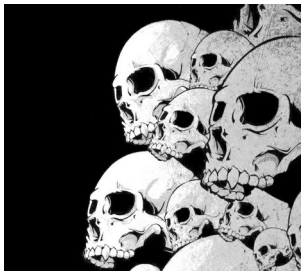
Affichage / Couleurs

Premier plan : #667f7f Arrière plan: #ccffff

✓ Ok ⌕ Annuler

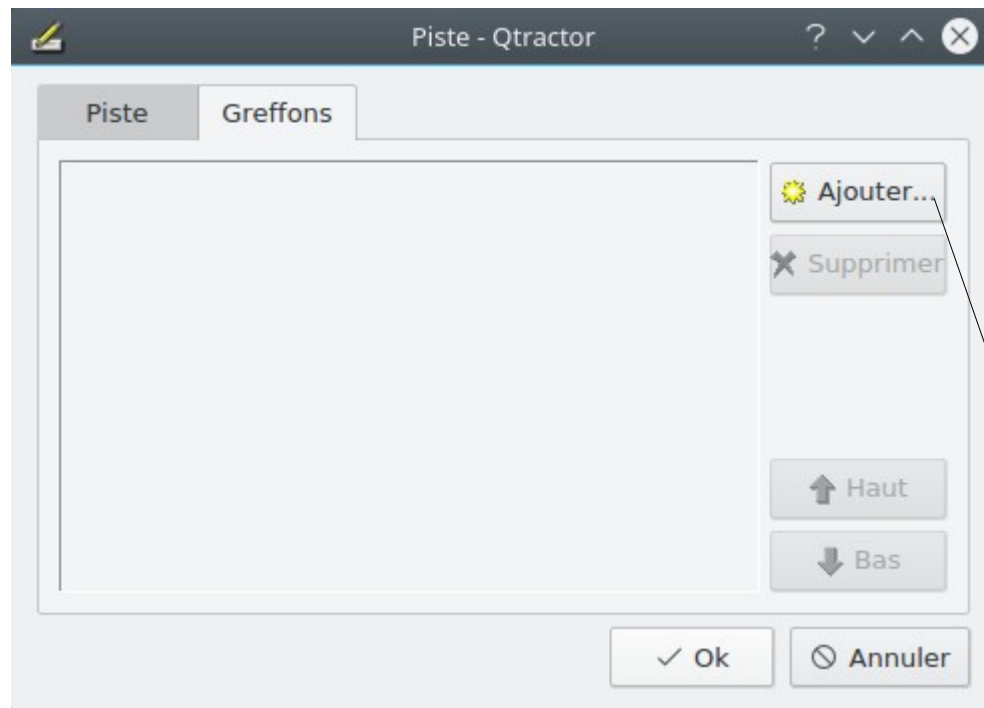
Selection of the MIDI channel of the LADSPA or LV2 plugin.  
Selection of the instrument associated with the LADSPA or LV2 plugin.

Attention :  
All LADSPA or LV2 plugins do not support settings via MIDI instruments.



# Create a MIDI track

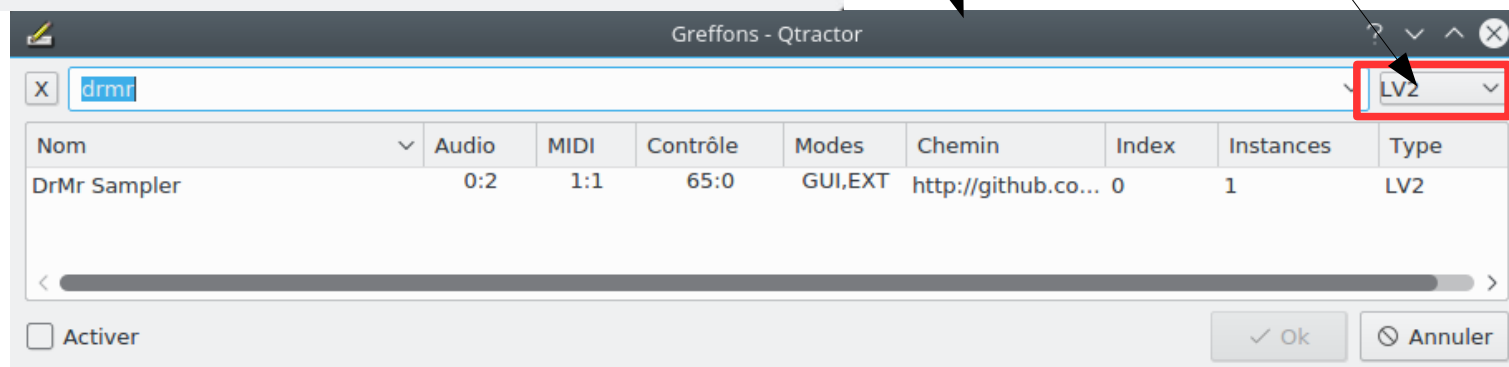
## The effects



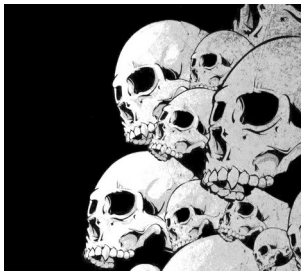
Adding a LADSPA / LV2 / VST effect via the Add button.

You can then carry out an effect search via the search engine integrated into the window below.

Selection of the type of effect

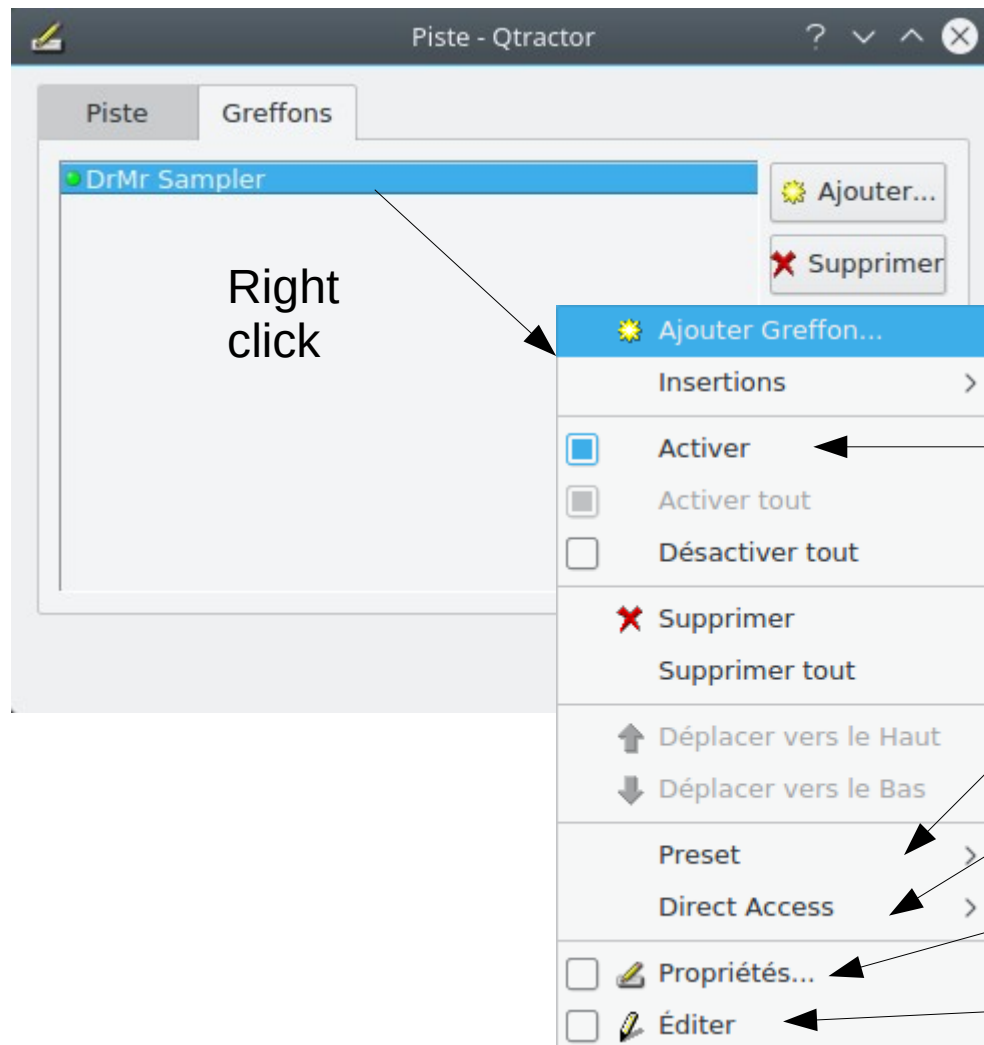






# Create a MIDI track

## The effects





# Create a MIDI track

## The effects

- ✱ Ajouter Greffon...
- Insertions >
  - + Ajouter Insert
  - + Ajouter envoi auxiliaire
    - Envois
    - Retours
- ☐ Activer
  - ☐ Activer tout
  - ☐ Désactiver tout
- ✗ Supprimer
  - Supprimer tout
- ↑ Déplacer vers le Haut
- ↓ Déplacer vers le Bas
- Preset >
- Direct Access >
- ☐ ✎ Propriétés...
- ☐ ✎ Éditer

Insert - Track 1

(default) [Save] [X] [Activé]

Page 1 A propos

Gain d'envoi: [Slider] 1,000

Dry / Wet: [Slider] 0,000

[Envois] [Retours] [Accès direct]

Aux Send - Track 1

(default) [Save] [X] [Activé]

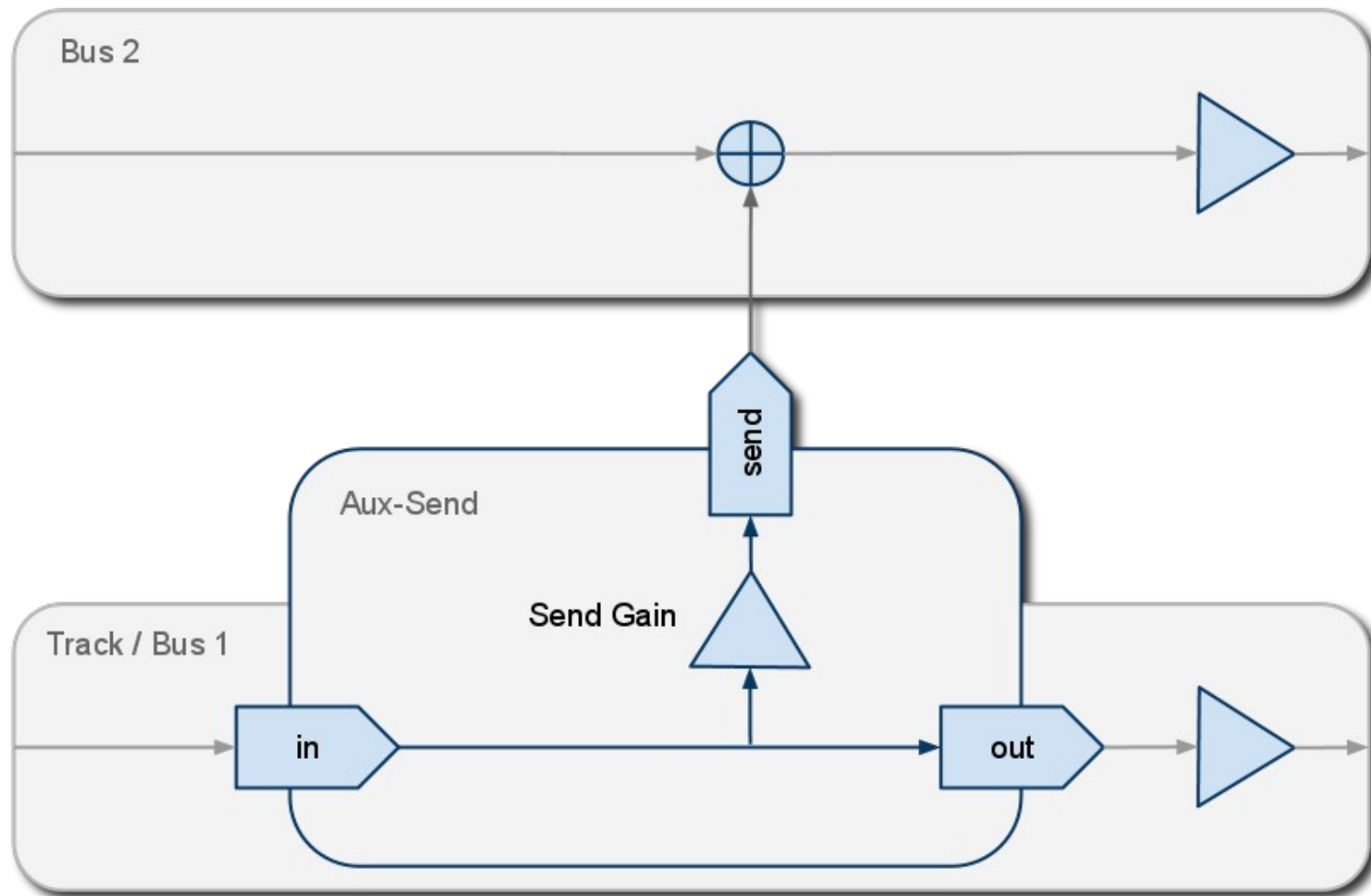
Page 1 A propos

Gain d'envoi: [Slider] 0,000

Bus d'envoi aux : (rien) [Menu] [Accès direct]



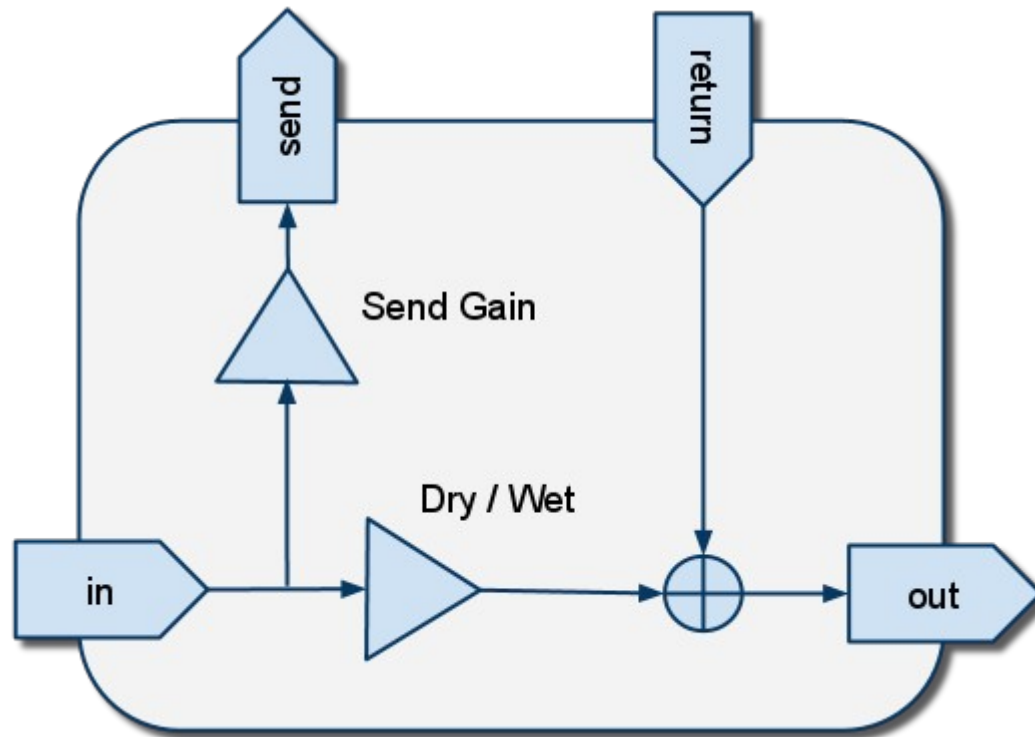
# Create a MIDI track Auxiliary sends





# Create a MIDI track

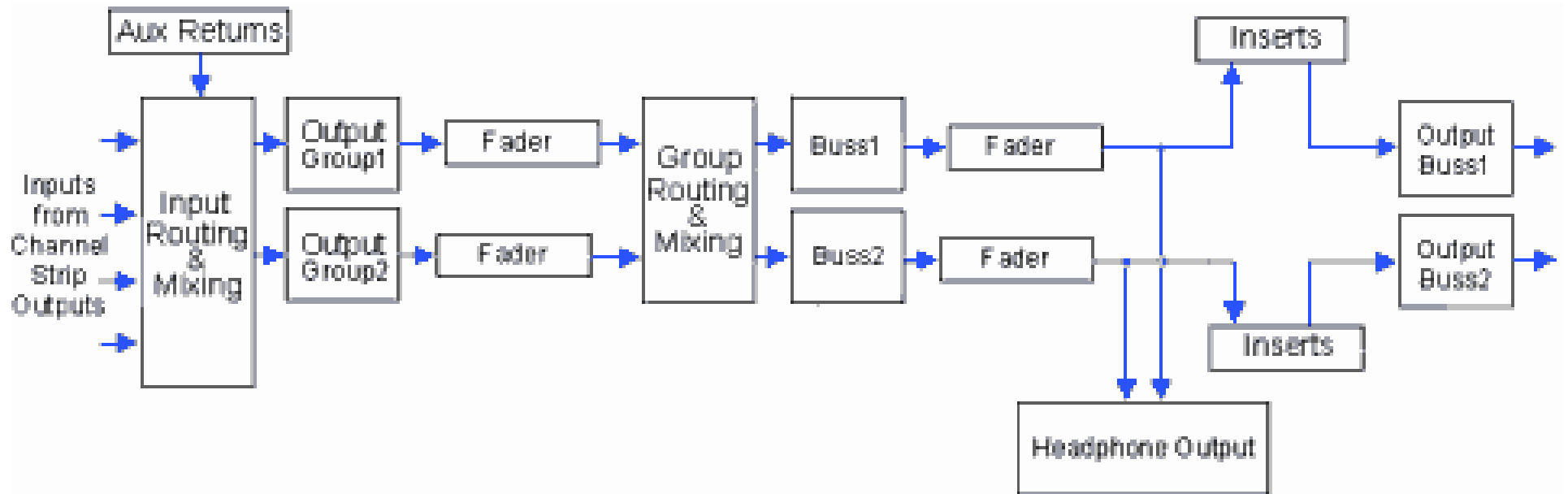
## The inserts





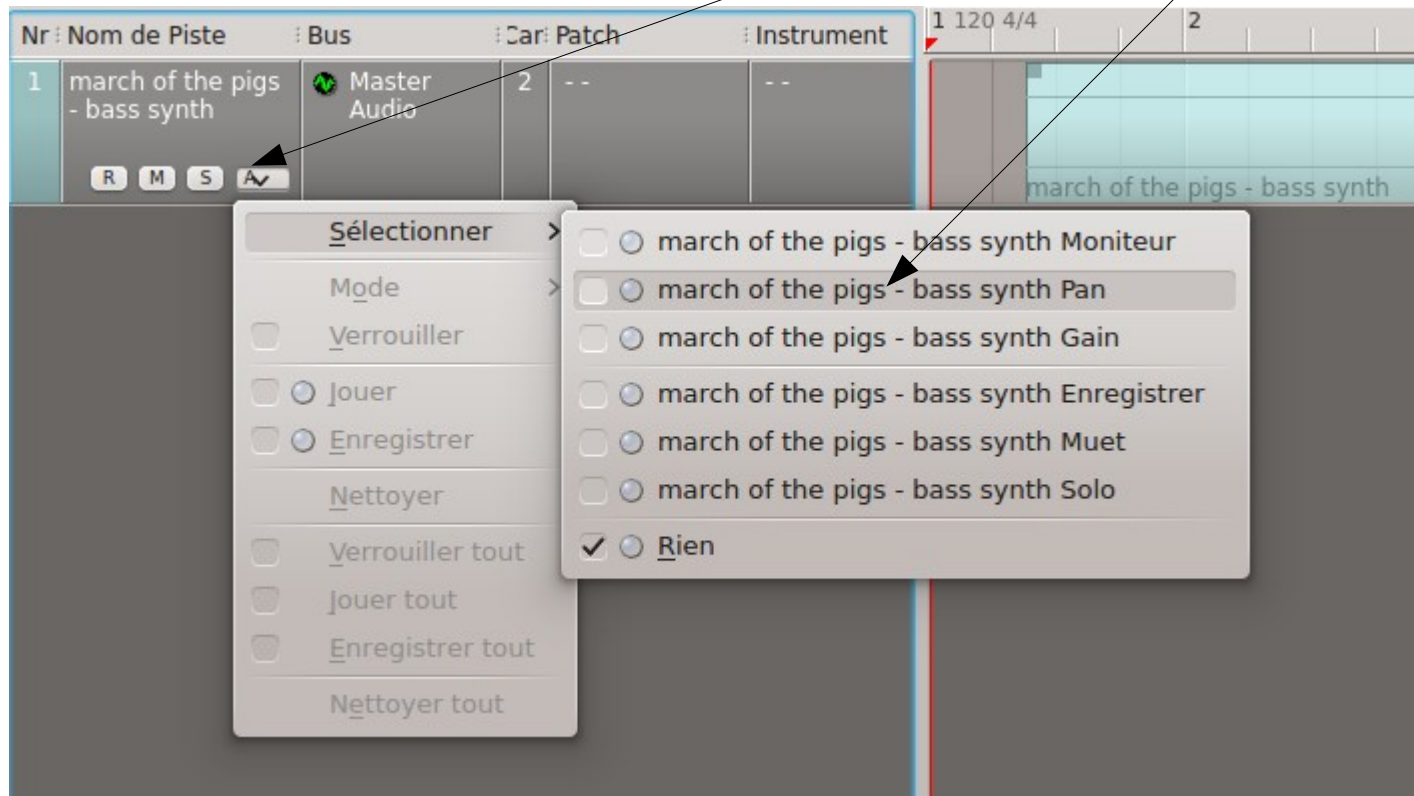
# Create a MIDI track

## The effects



# Automation

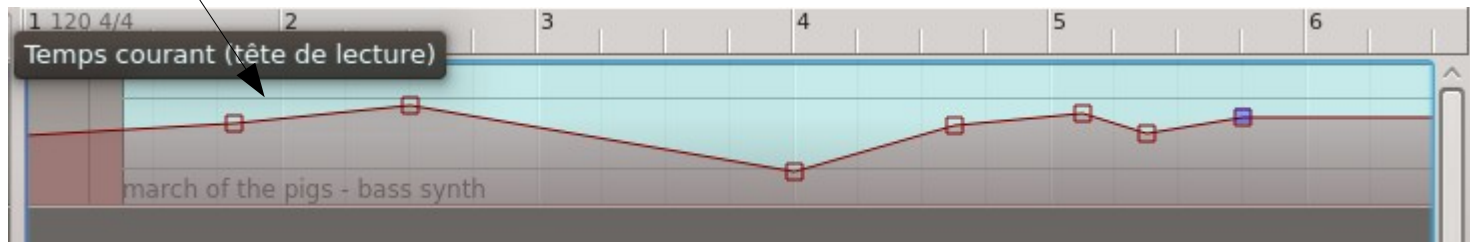
To initiate an automation track, click on the 'A' and then select the element that you want to automate.





# Automation

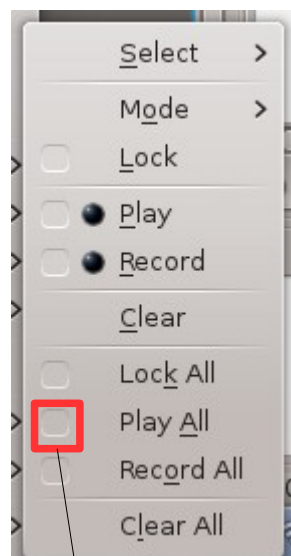
We then go into drawing mode for automation.  
Then it only remains to add points to adjust the automation curve.



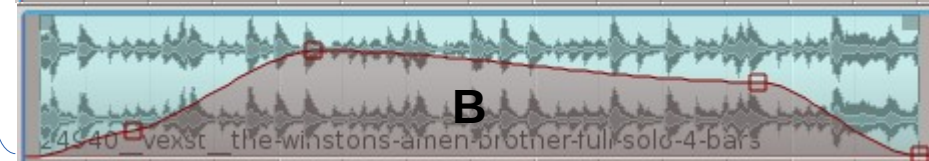
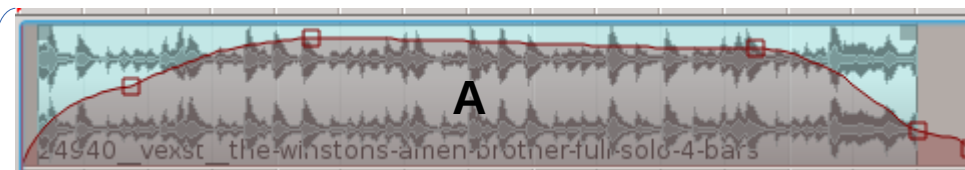
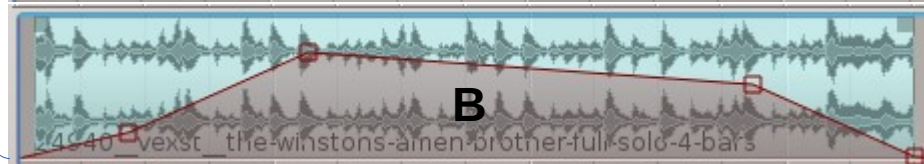
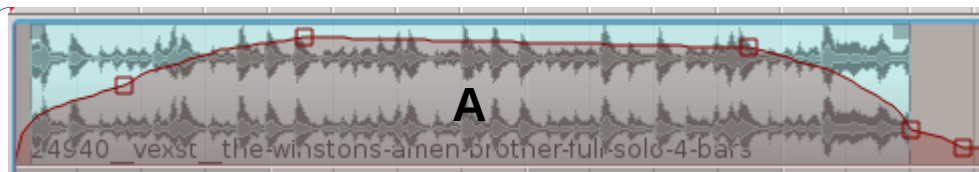
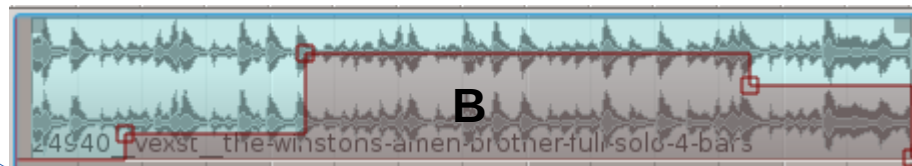
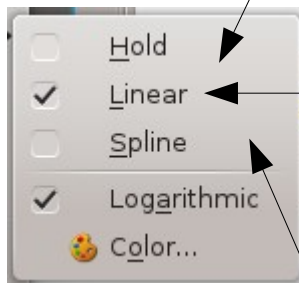
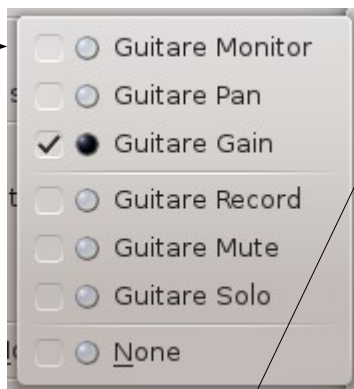
All Qtractor parameters can be automated.  
Several types of curves for evolution are possible.



# Automation

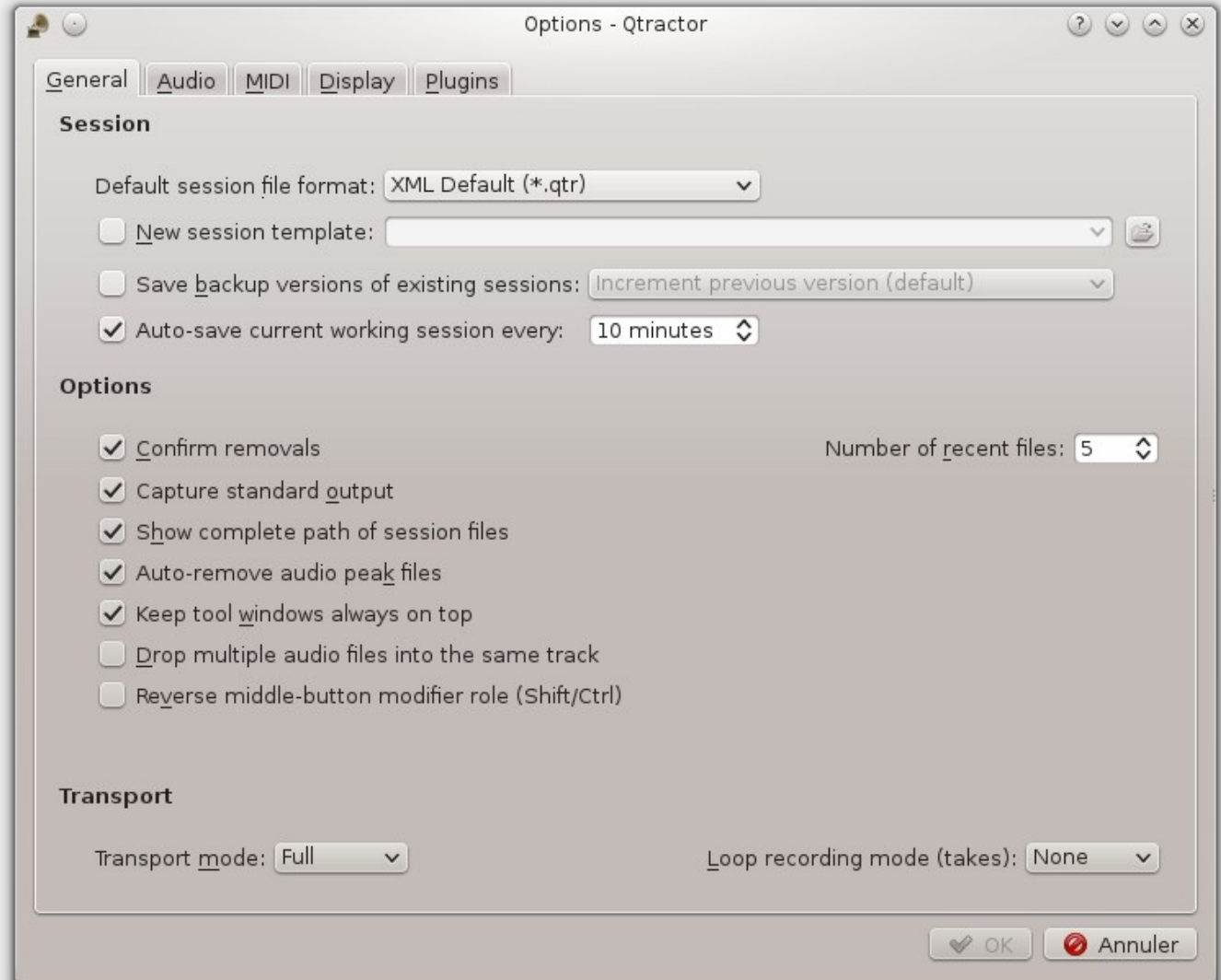


So that we can hear the result, you have to check "Play All"



A: logarithmic  
B: linear

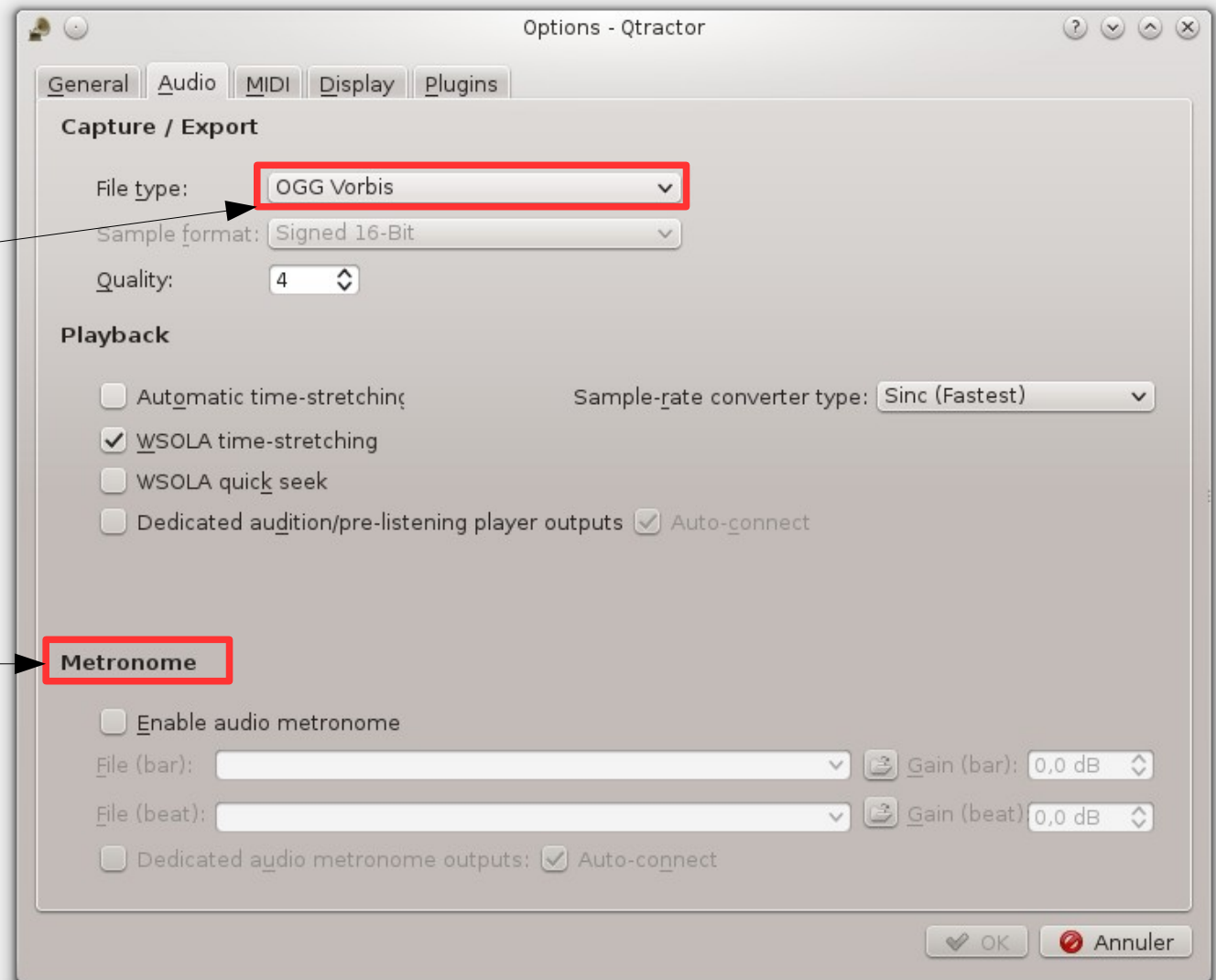
# Preferences



# Preferences

A good idea to reduce the CPU load: switch to WAV format.  
The OGG Vorbis format is compressed and requires a lot of CPU resources during compression on the fly.

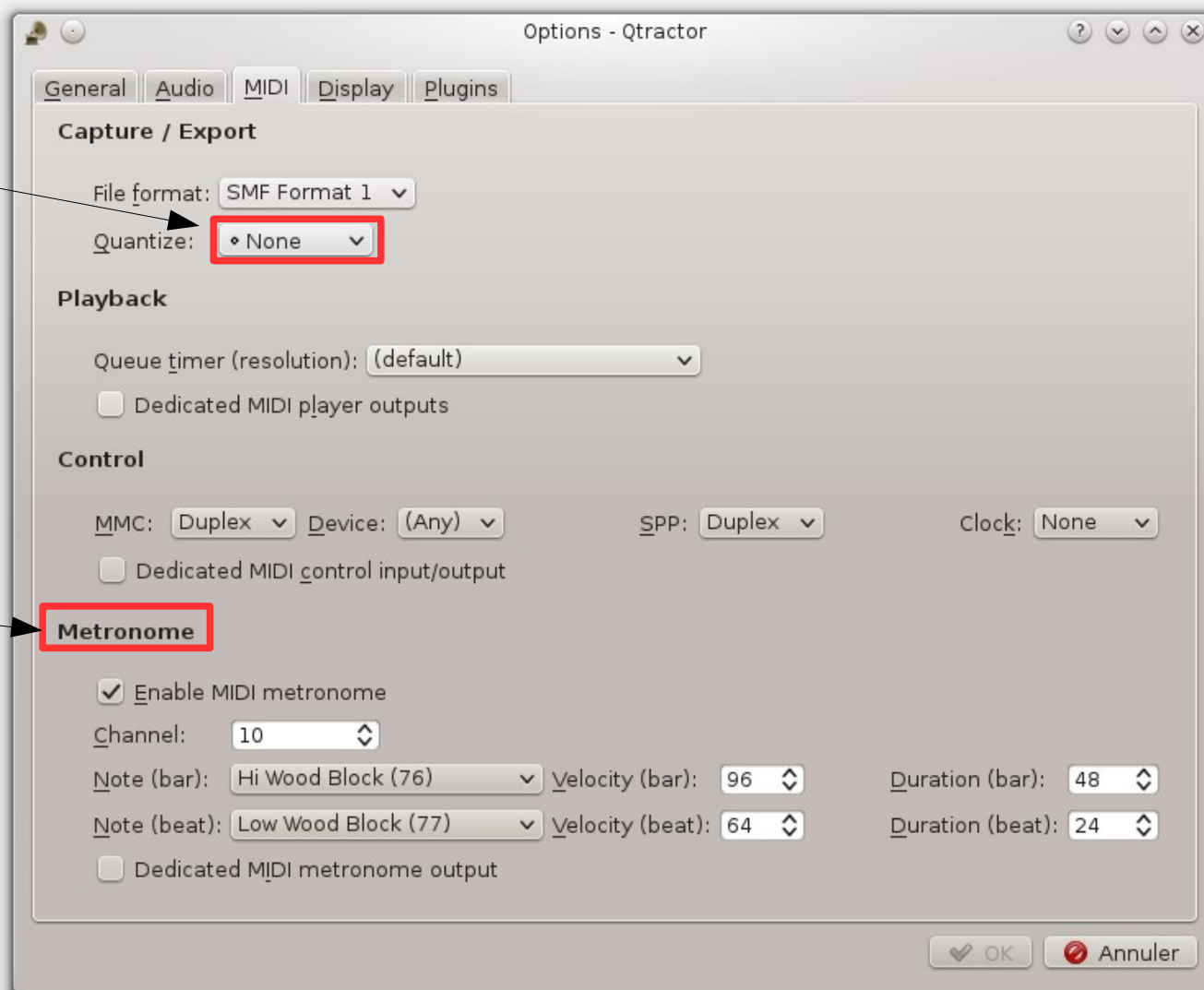
Management of the audio metronome (requires external audio files)



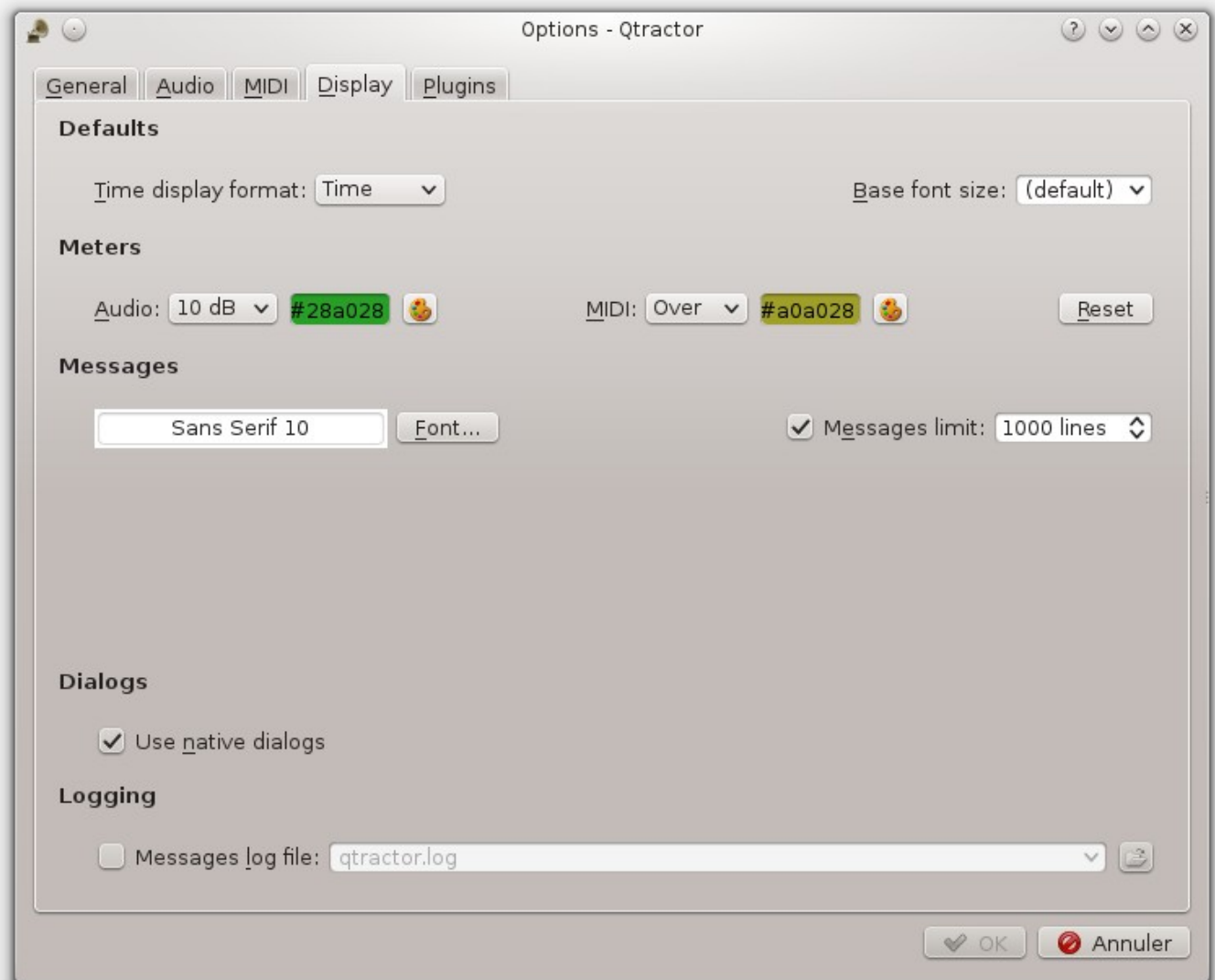
# Preferences

Precision of the quantification of the duration of the notes during the registration: quaver, semi-quaver, etc ...

MIDI metronome management

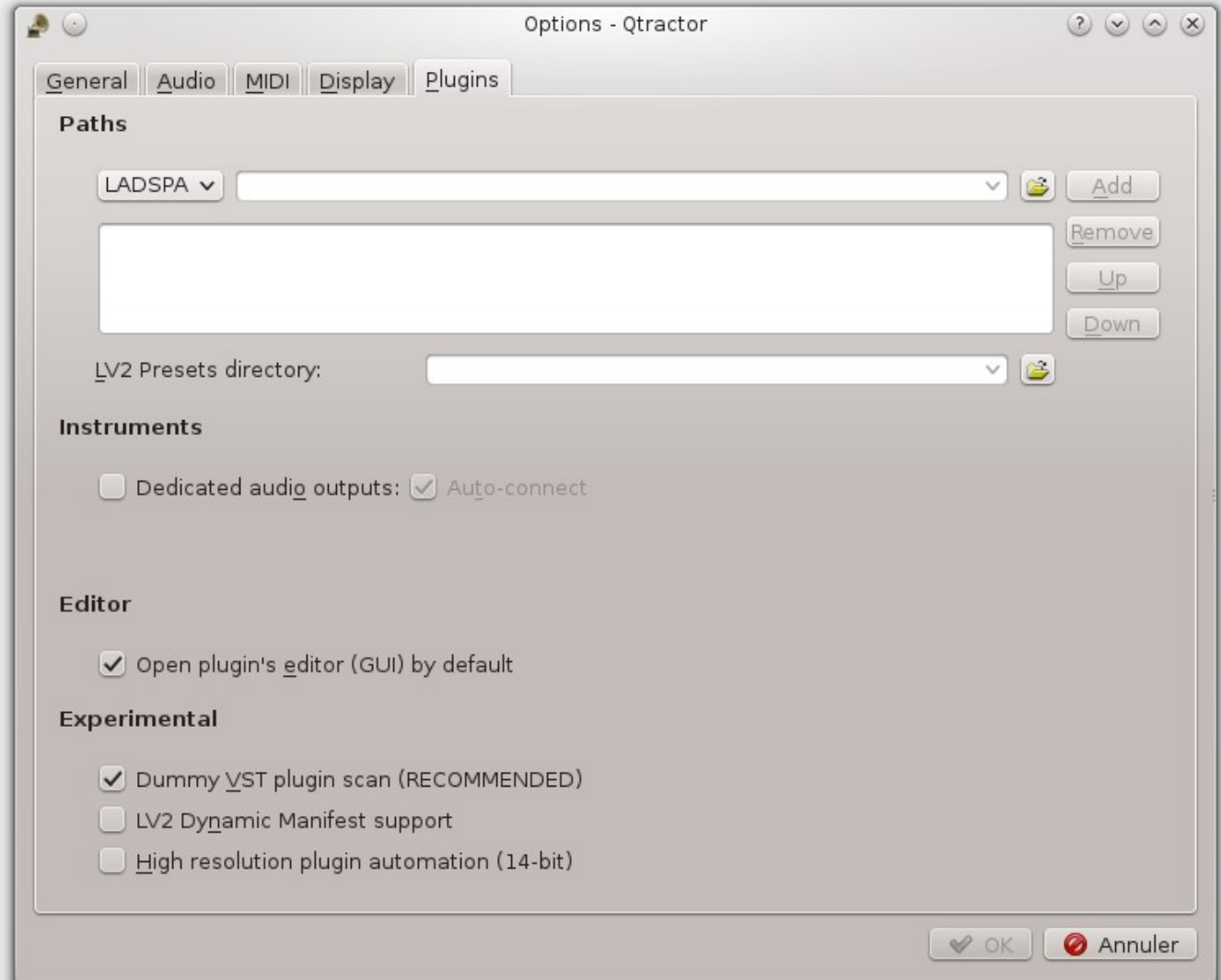


# Preferences





# Preferences



# Work area

The screenshot shows a music production software interface. On the left, a track configuration panel lists 'Guitare' (Master Audio) and 'Synth' (Master MIDI) with controls for Record (R), Mute (M), Solo (S), and Arm (A). The main workspace displays two tracks: 'vexst the winstons ainen brother full solo 4 bars' (audio) and 'Slap Bass 2' (MIDI). A red box highlights these tracks. On the right, a 'Files' panel lists session files from 'Track 0' to 'Track 23'. At the bottom, a 'Messages' window shows Jack connection logs. Yellow boxes with labels are overlaid on the interface: 'Track configuration / recording / mute / solo' on the left panel, 'Audio tracks / MIDI' on the main workspace, 'Jack message window' on the messages panel, and 'List of session files' on the files panel.

Track configuration / recording / mute / solo

Audio tracks / MIDI

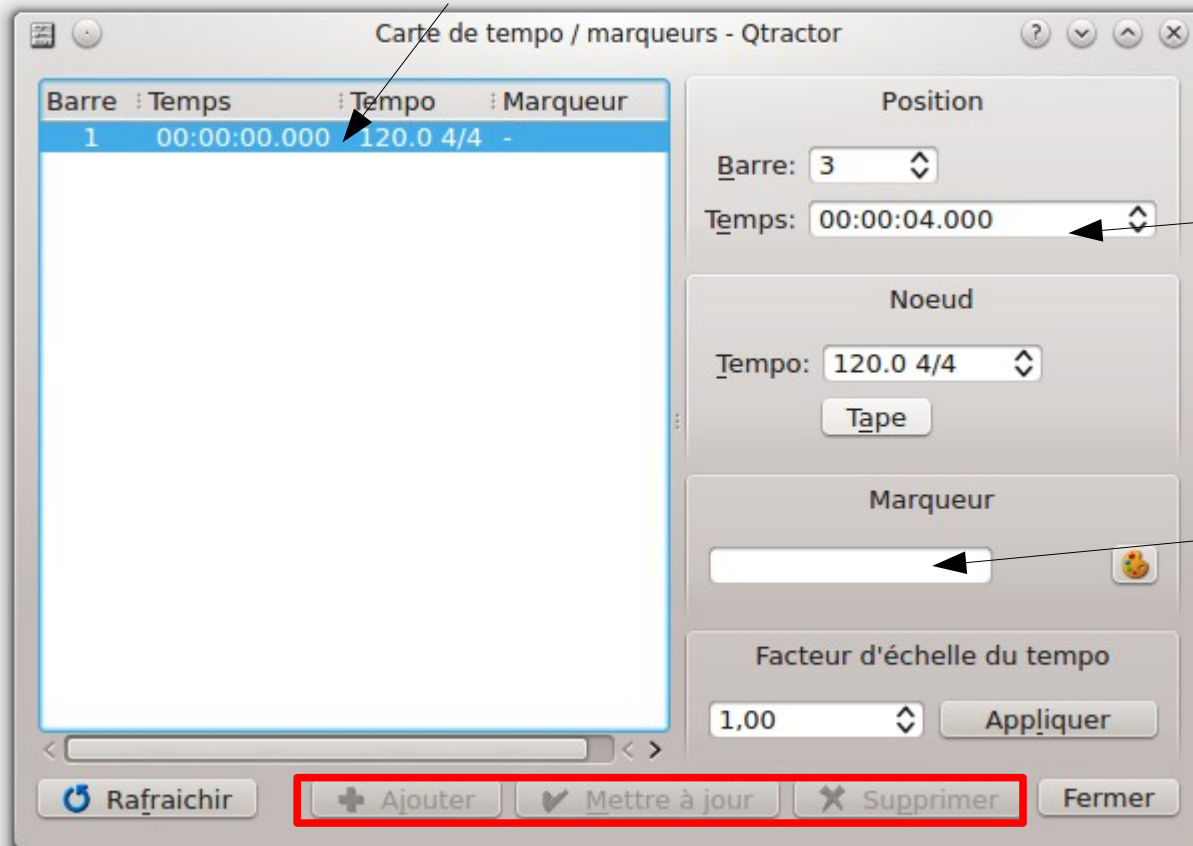
Jack message window

List of session files



# Navigation and markers

List of markers

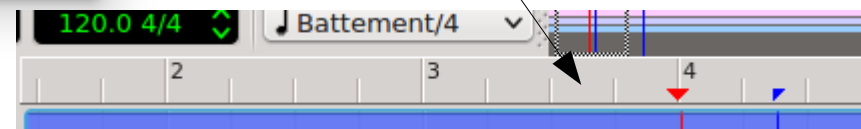


Time location of the marker

Name and color of the marker

This window is obtained by double clicking in the time bar above the tracks.

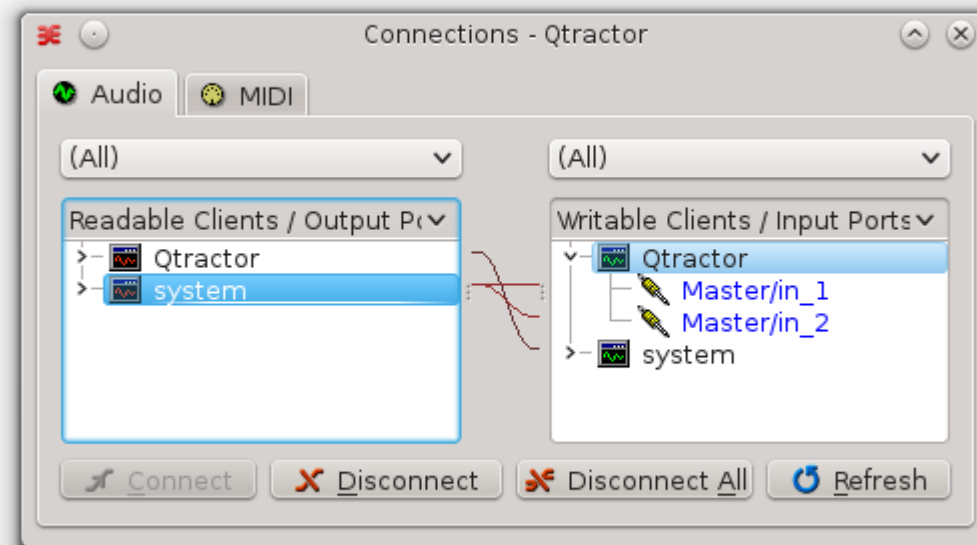
When a marker exists, it can be modified or deleted. When a new position is selected, a marker can be added.





# Jack Connexions

Does that look like Qjackctl?  
It's normal ...  
It's the same developer who works on  
Qtractor!





# Mixer

Inputs

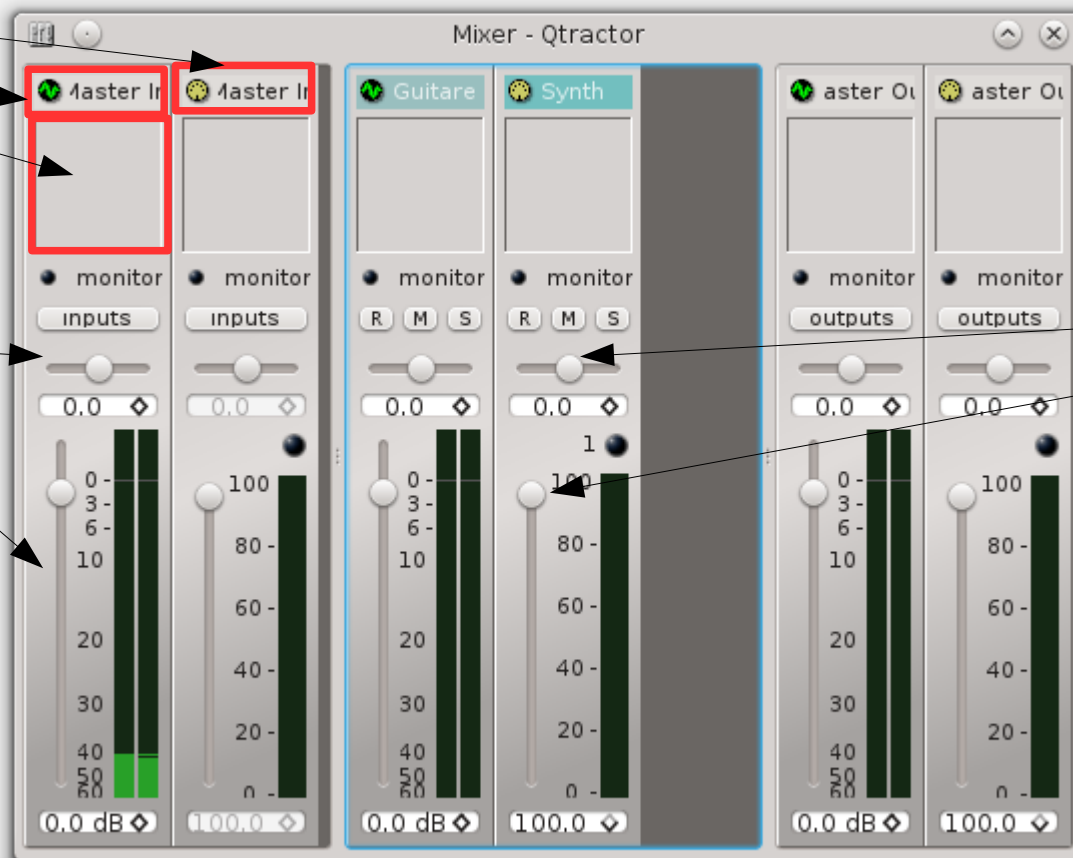
Tracks

Outputs



MIDI Mixer  
Audio Mixer  
Plugins area

Pan  
Levels



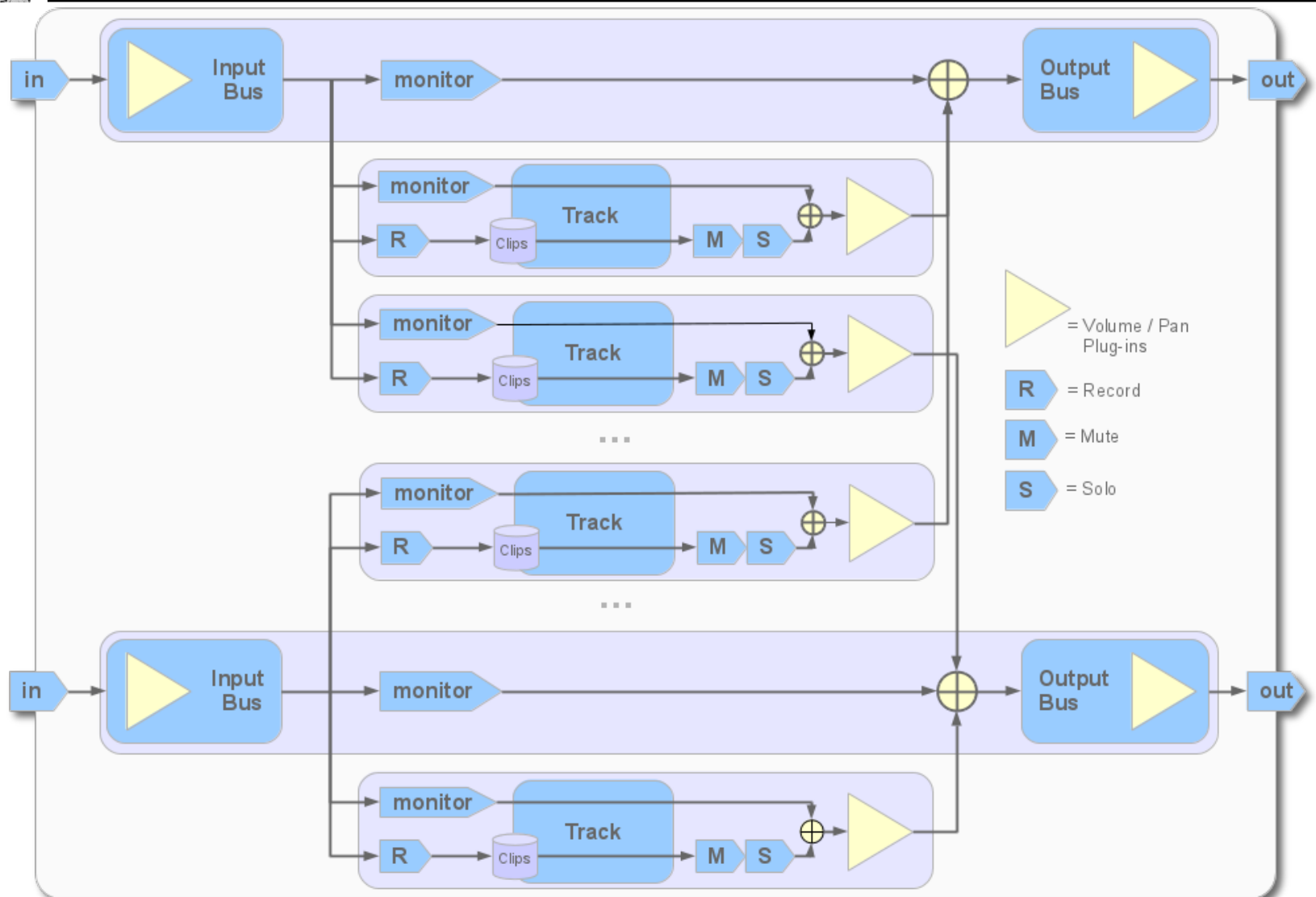
Be careful :

The MIDI mixer sends:  
- CC#10 for the panning  
- CC#7 for volume

All LV2 / LADSPA  
plugins do not support  
these MIDI messages  
Use VOPA for these  
plugins :  
<https://github.com/ycollet/vopa>



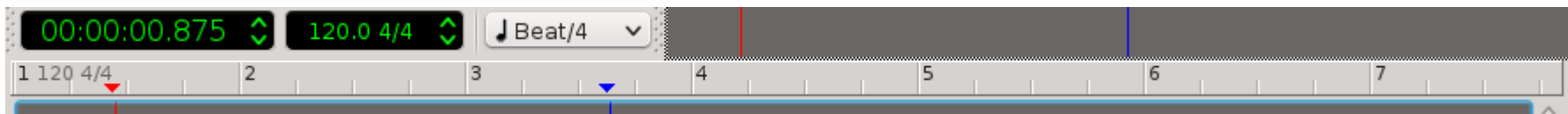
# Mixer



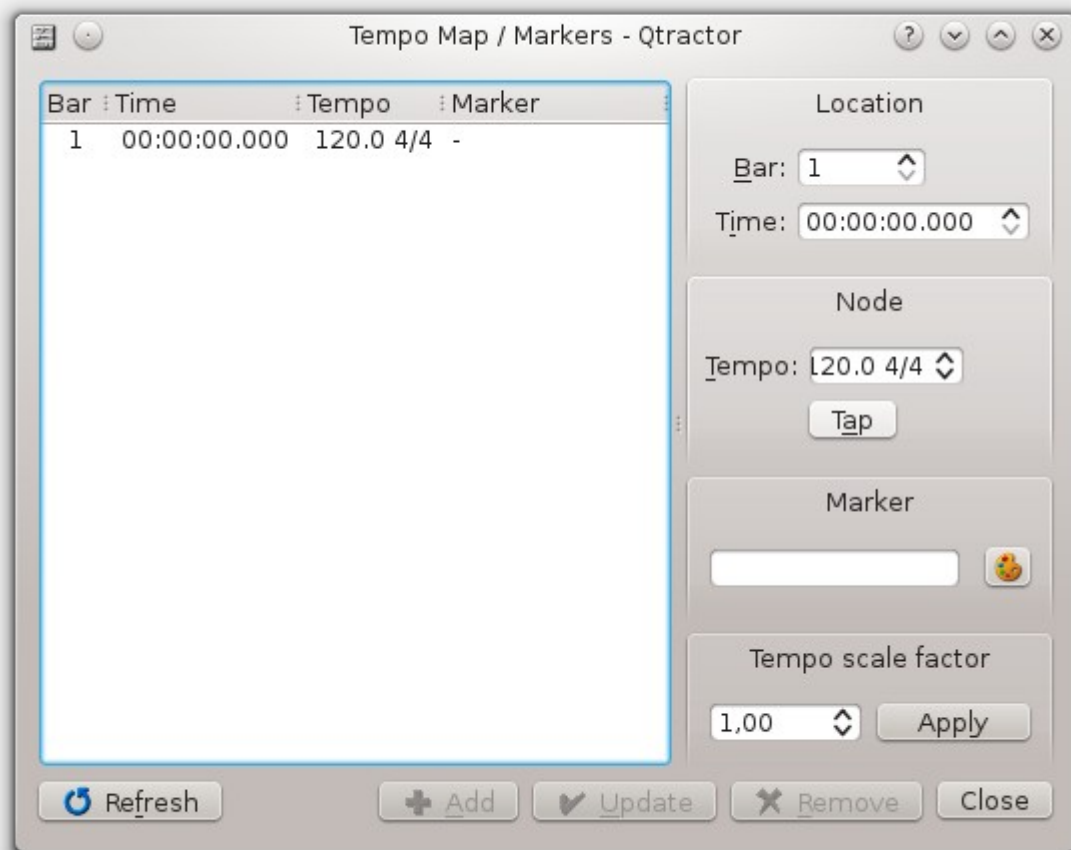




# Navigate a session

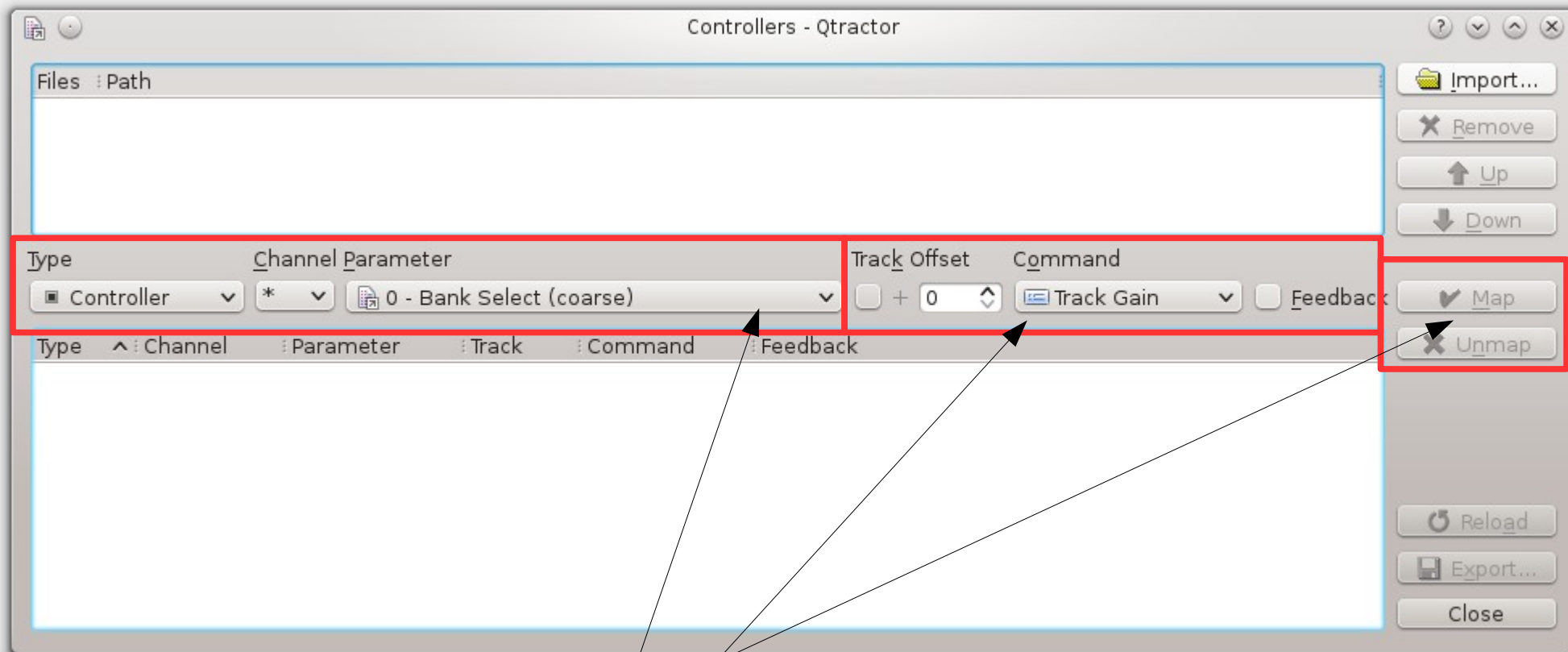


We double click on the time bar and the marker window appears ...

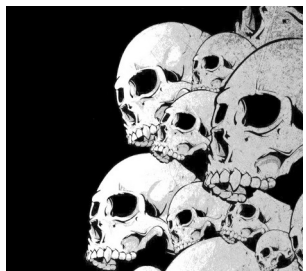




# Controller management



MIDI event type selection  
Qtractor command selection  
Association management



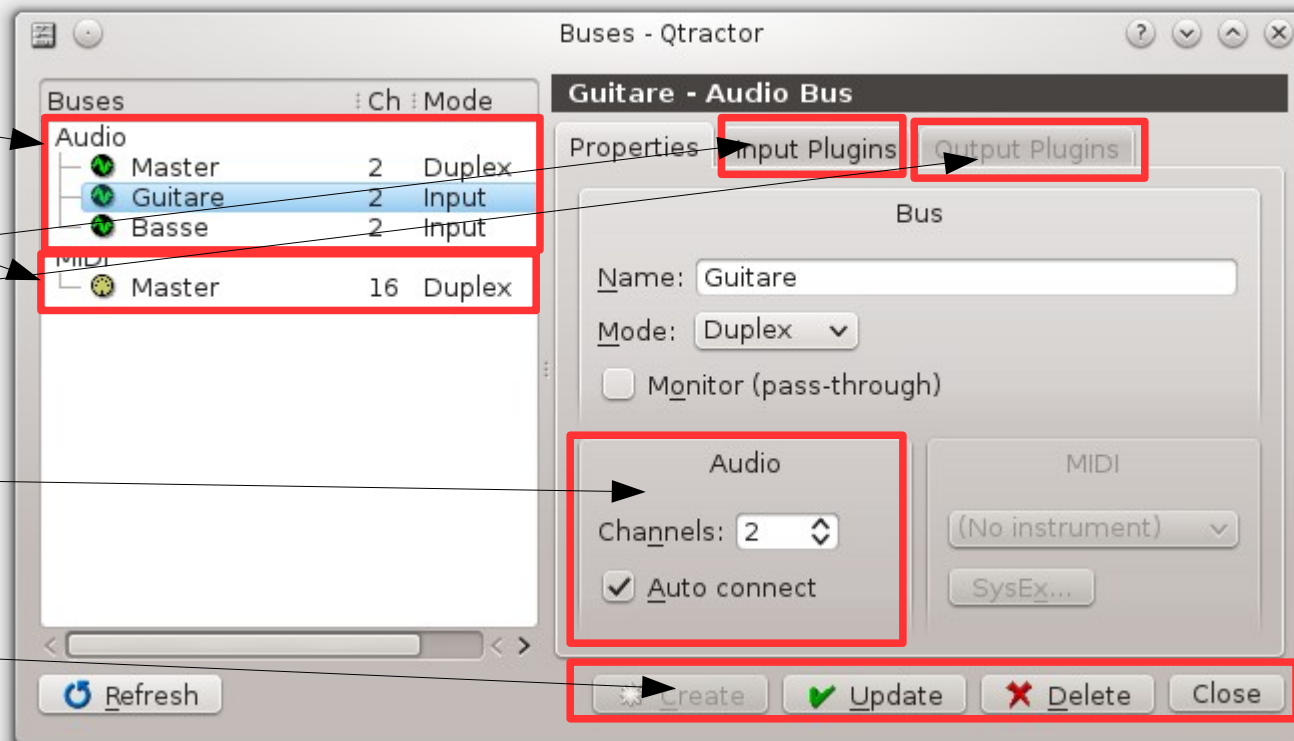
# Create a bus

Audio bus  
MIDI bus

Plugins:  
- Input  
- Output

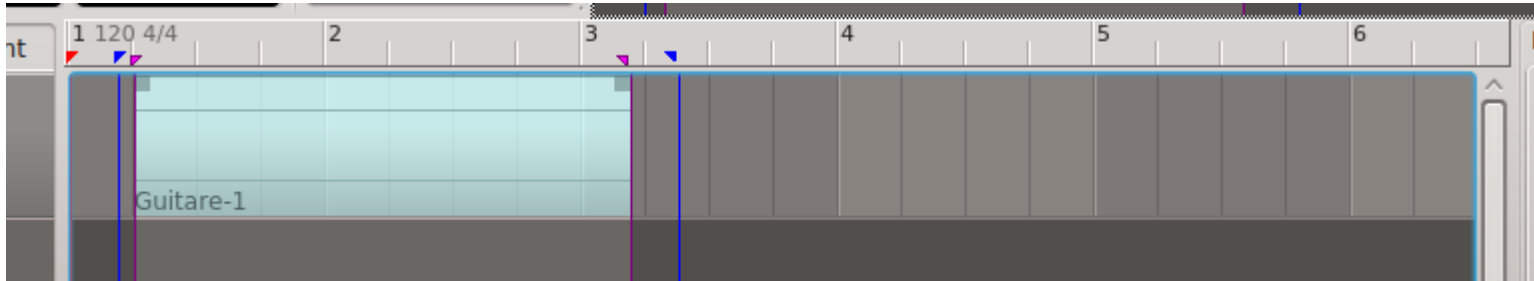
Number of  
channels

Creation  
Delete





# Recording Punch In / Out



Red triangle: the reading head

Blue triangles: start of reading / end of reading

Mauves triangles: start of punch / end of punch

The punch in / out consists of selective recording of a small area of a track to correct an error.

Punch mode activates via the “Transport → Punch” menu

Adjusting the punch area is activated via the “Transport → Punch setting” menu

We start with the reading range and then activate the punch adjustment mode.

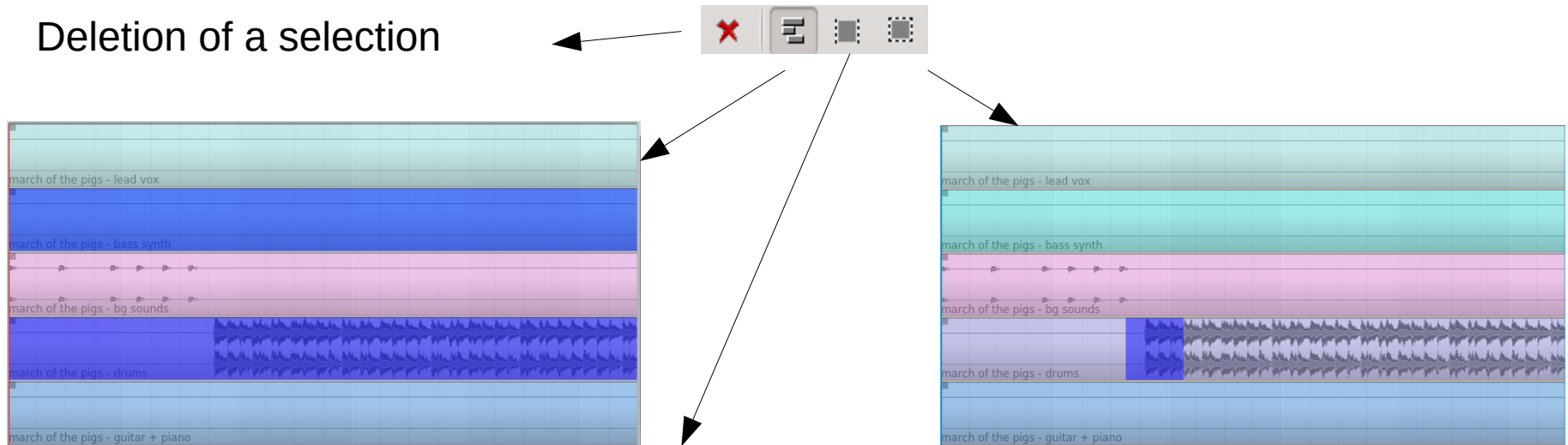
With a left click, we position the start of reading.

With a right click, we position the end of reading.

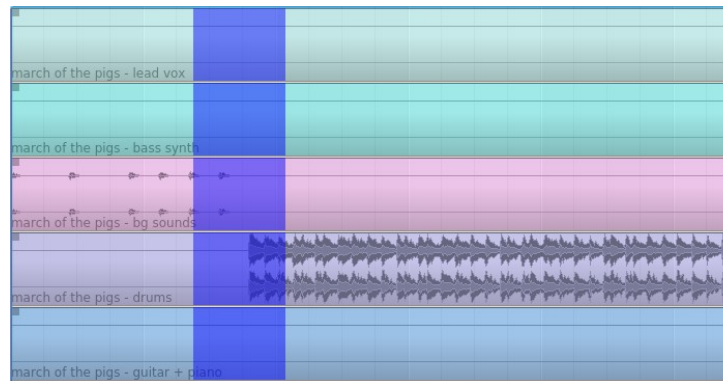


# Selection

Deletion of a selection

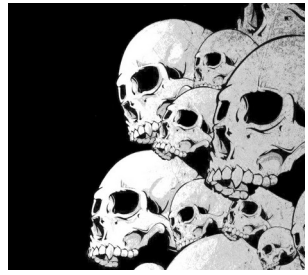


Selection of full tracks



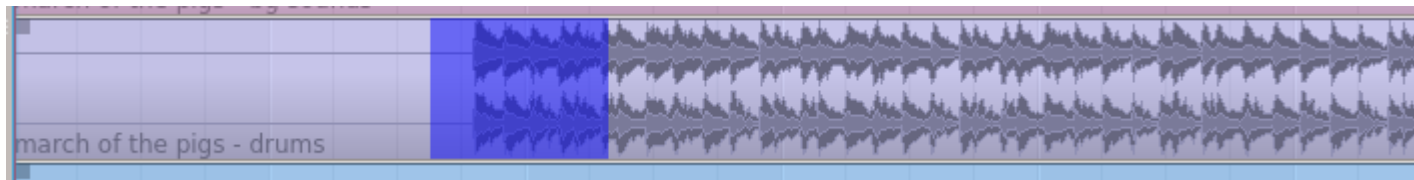
Selection of an area on a track

Multipist zone selection

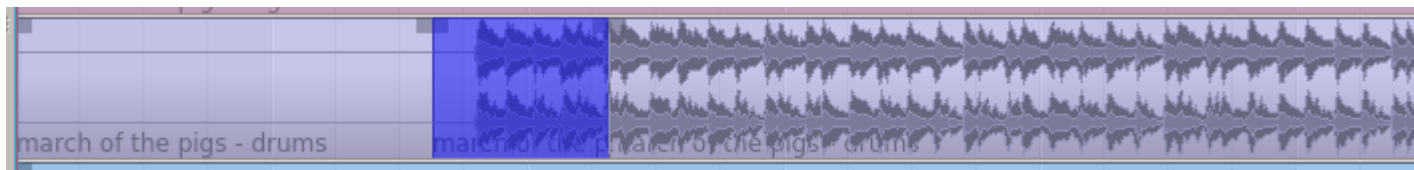


# Cut a track ... In three

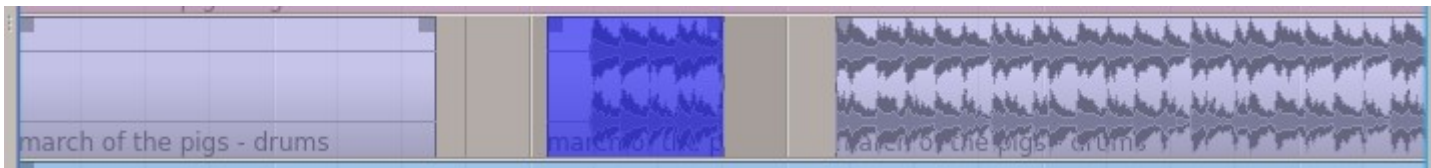
With the selection tool, we select an area on a track.



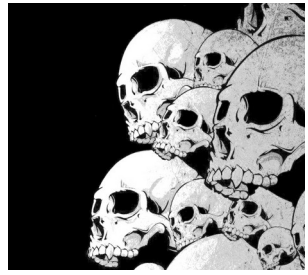
Via the editor → divide menu, we cut the track in three



With the track selection tool, we move the three songs

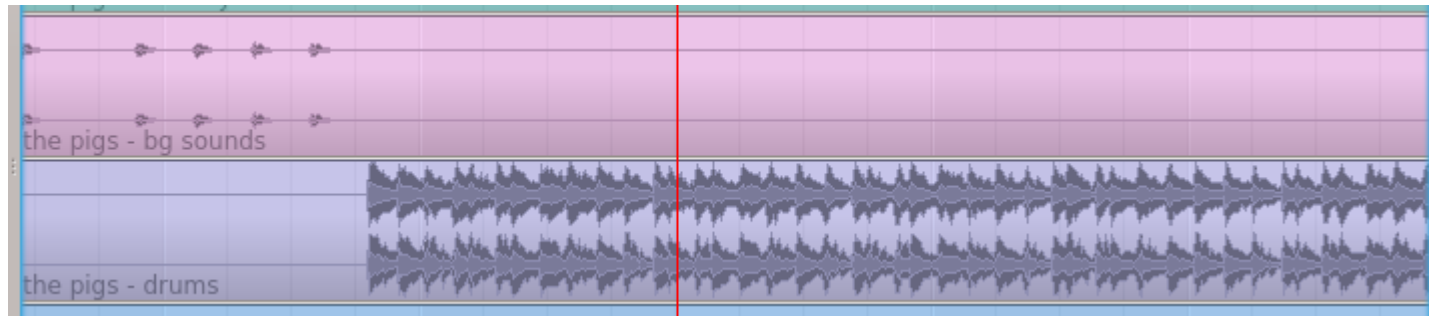






# Cut a track ... in two

We move the reading head at the area to be cut

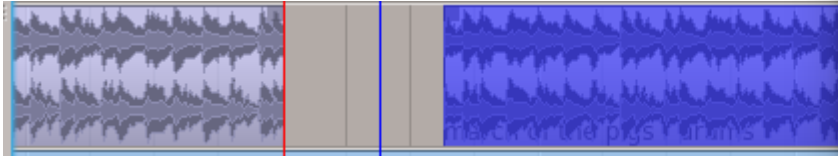


Via a right click on the track to cut and then the clip menu → Divide, we cut the track in half. You can then move the track pieces by including the track selection menu.





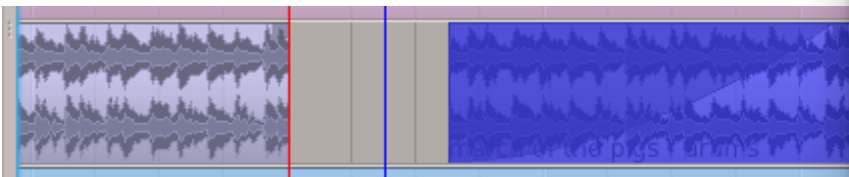
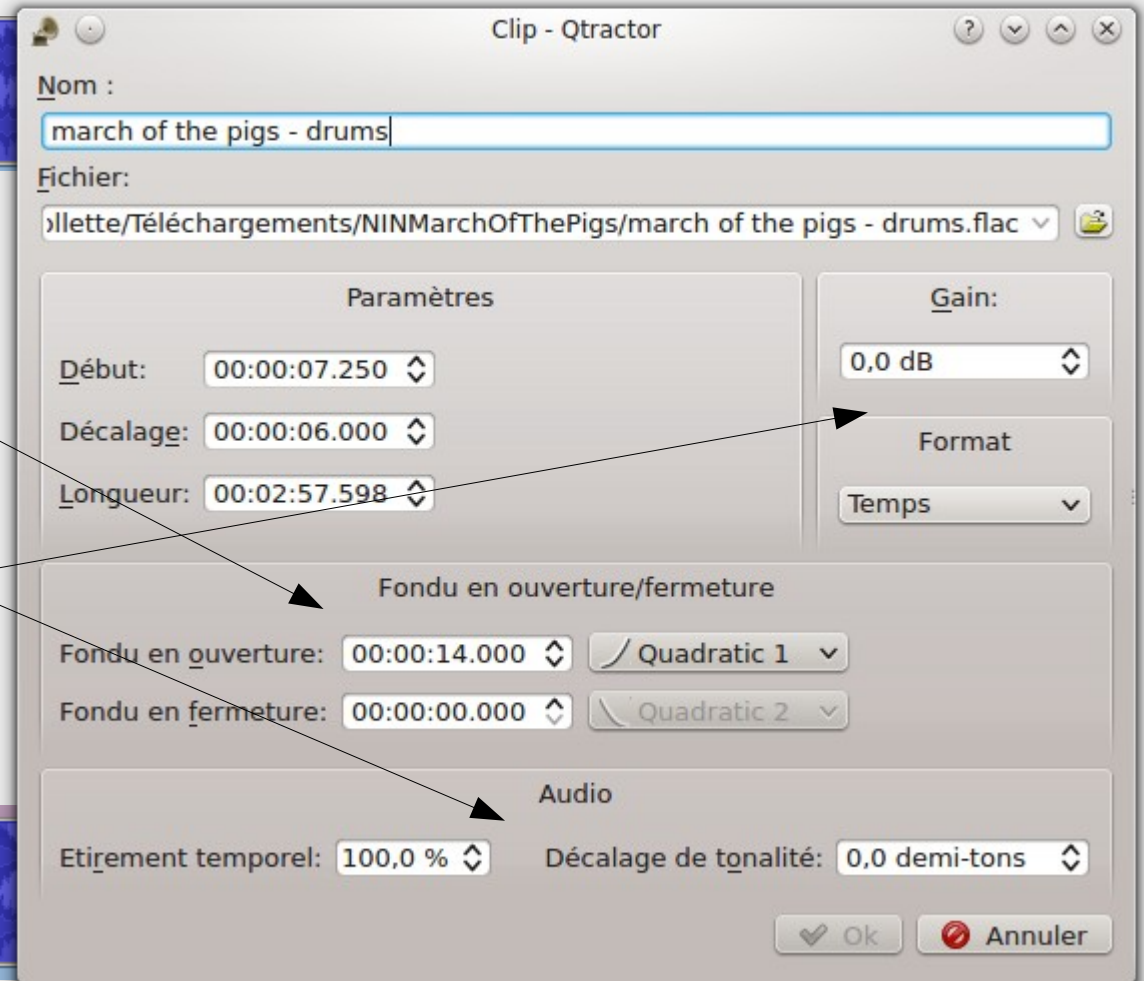
# The fade



We double click on the track

We adjust the fading chained here (type and duration).

You can adjust the height of the clip and its length. You can also adjust your gain.

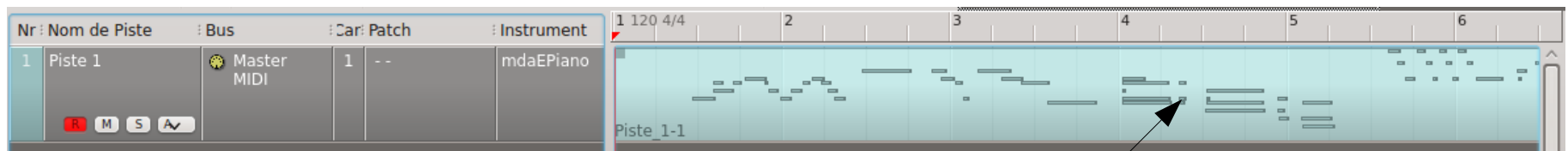


And we have a chained mix

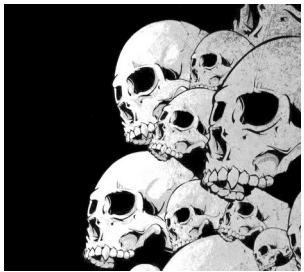


# MIDI recording

A MIDI recording is not very different from an audio recording. You have to start by creating a MIDI track (in the same way as with an audio track). It is then possible to add a MIDI instrument effect to the track (via the effect menu) then select the instrument that will be used to play a sound via the instrument, program and bank menus. Then the recording takes place in the same way as with an audio track



To edit the MIDI track in the Roll piano, just click on the MIDI track.



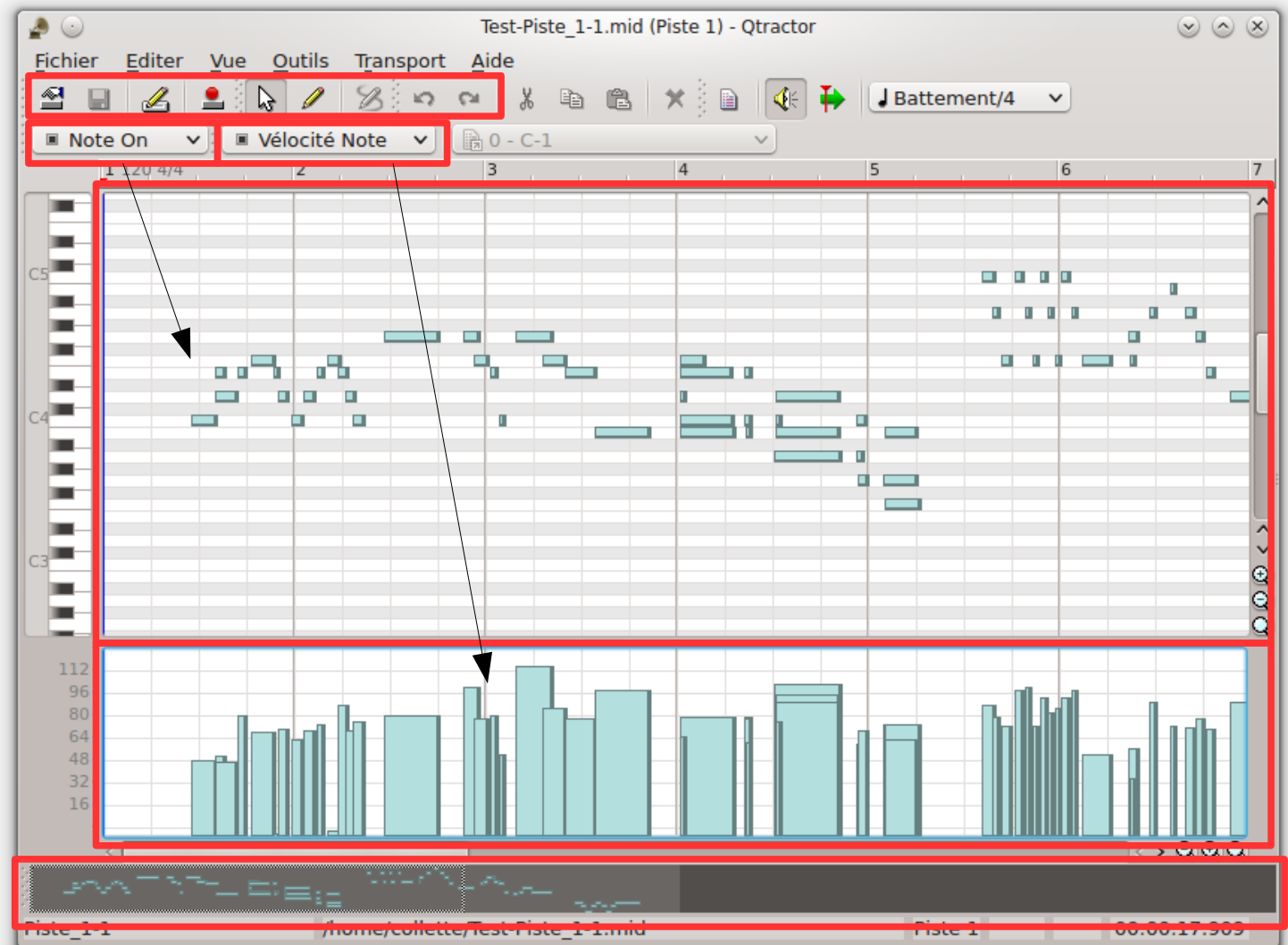
# MIDI recording

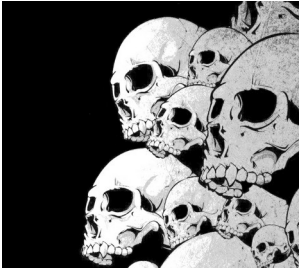
Edition tools

Note zone

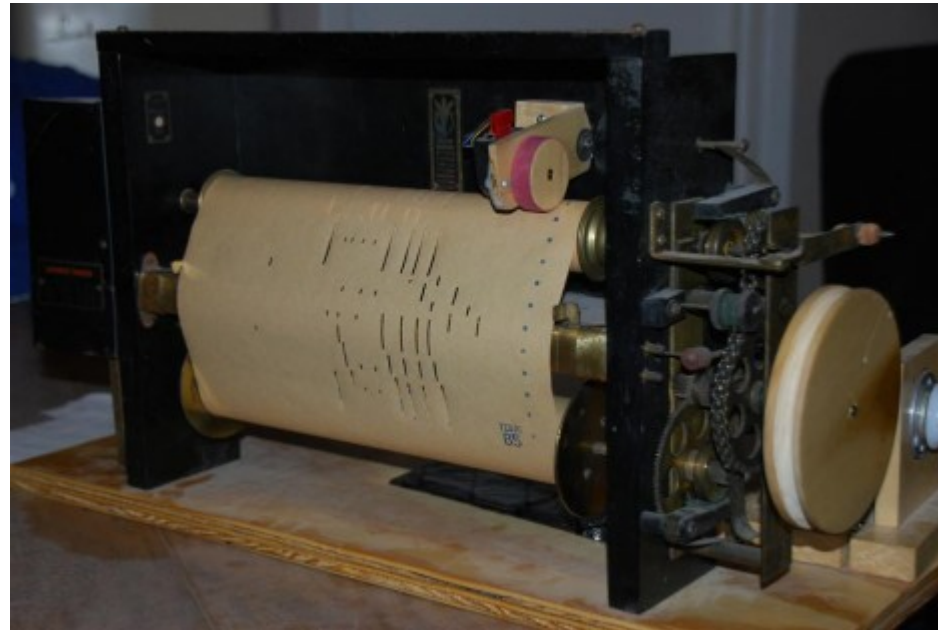
Expression zone

Navigation zone /  
zoom

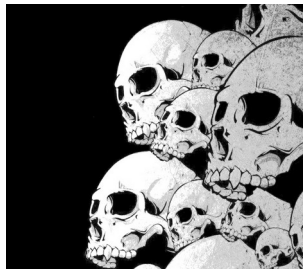




# MIDI recording



The piano roll of these applications strangely recalls the Western piano ... It's a bit the same concept in fact.



# Divers

Some resources from Mike Senior's "Mixing Secrets" book:

<https://www.cambridge-mt.com/ms/mtk/>

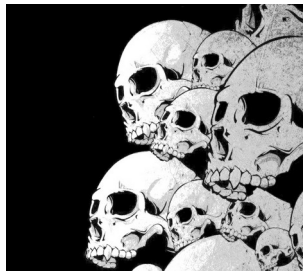
Ardour:

<https://ardour.org/>

Harrison console:

<https://harrisonaudio.com/consoles>





# Ardour

<https://ardour.org/>

Ardour is an audio-digital workstation, that is to say a multi-track recording and processing software. Note that this is surely the most successful application in terms of audio under GNU/Linux to date. It competes with many proprietary applications well known to professionals.



24/08/2013

Y. Collette

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# Rosegarden

<https://www.rosegardenmusic.com/>

Rosegarden is an audio and MIDI sequencer with integrated partition editor. If it is much more limited with regard to audio, it is one of its essential supplements for MIDI recording and processing.

