TARABIA MKII

Distortion VST/AU Plug in

System Requirements

- Intel based Mac
- OS X 10.12 or later
- 4GB of RAM
- 50MB of disk space
- 1280x768px Display

Supported DAW

- BITWIG Studio V3.0.3 and above
- Ableton Live 9/10/11
- Studio One 5.4.1 and above

VST® COMPATIBLE

(C) SMAOLAB.ORG

GAIN IN
-24 DB   +24 DB

HIGHPASS
25 HZ   6 KHZ

PRE-DISTORTION

EXCITER

1.0
OFF

MAKEUP

12.0

THRESHOLD
-40DB   0DB

DISTORTION

LEAD
TUBE
TARABIA

MORPH

TARABIA
100

0

AMOUNT

TUBE
8

1

DRIVE   STAGE

CLIPPING
SOFT
MED
POLY

GAIN OUT
-24 DB   +24 DB

DRY/WET
0   100

EQ / GAIN
M
L   H

TARABIA DISTORTION MK2

WORD OF WELCOME

Thanks for choosing our plug ins !

We develop our first distortion plug-in called « **Tarabia** » in **2018**. This plug in was implementing a special distortion function inspired by some original research articles in that domain and producing very nice audio results.

The Tarabia (V1) effect has been a big success & many of our users asked for a new version.

However, there are so many distortions, fuzzes & saturations effects on the market that it became hard to really distinguish one plug in from another. This is why we took our time to think and develop an new original version :

- We wanted to create a distortion effect that can bring enough flexibility to produce many different kind of distortion sounds
- The plug-in could process single sounds, leads & basses, but also transform a rythm sequence into new sound territory,
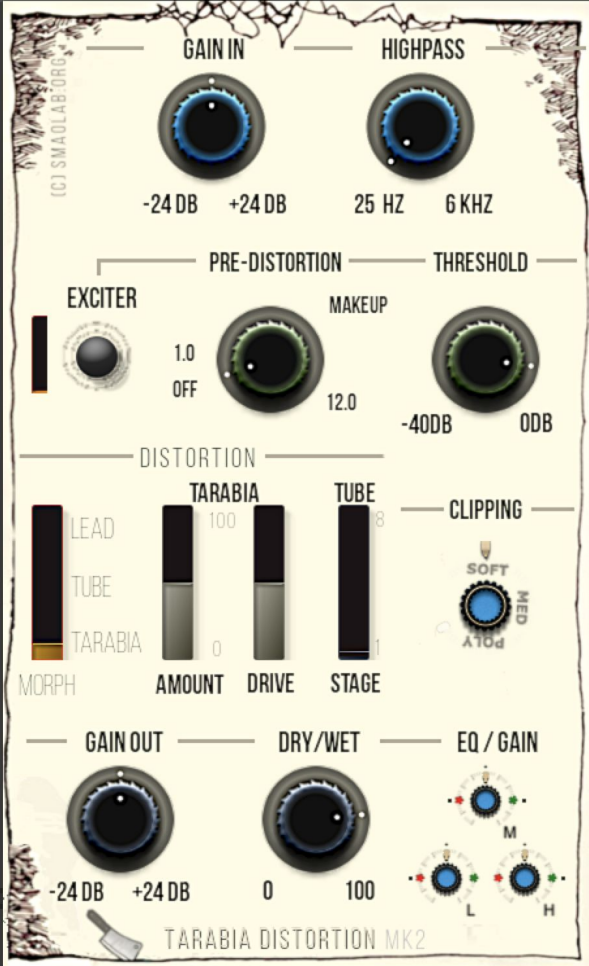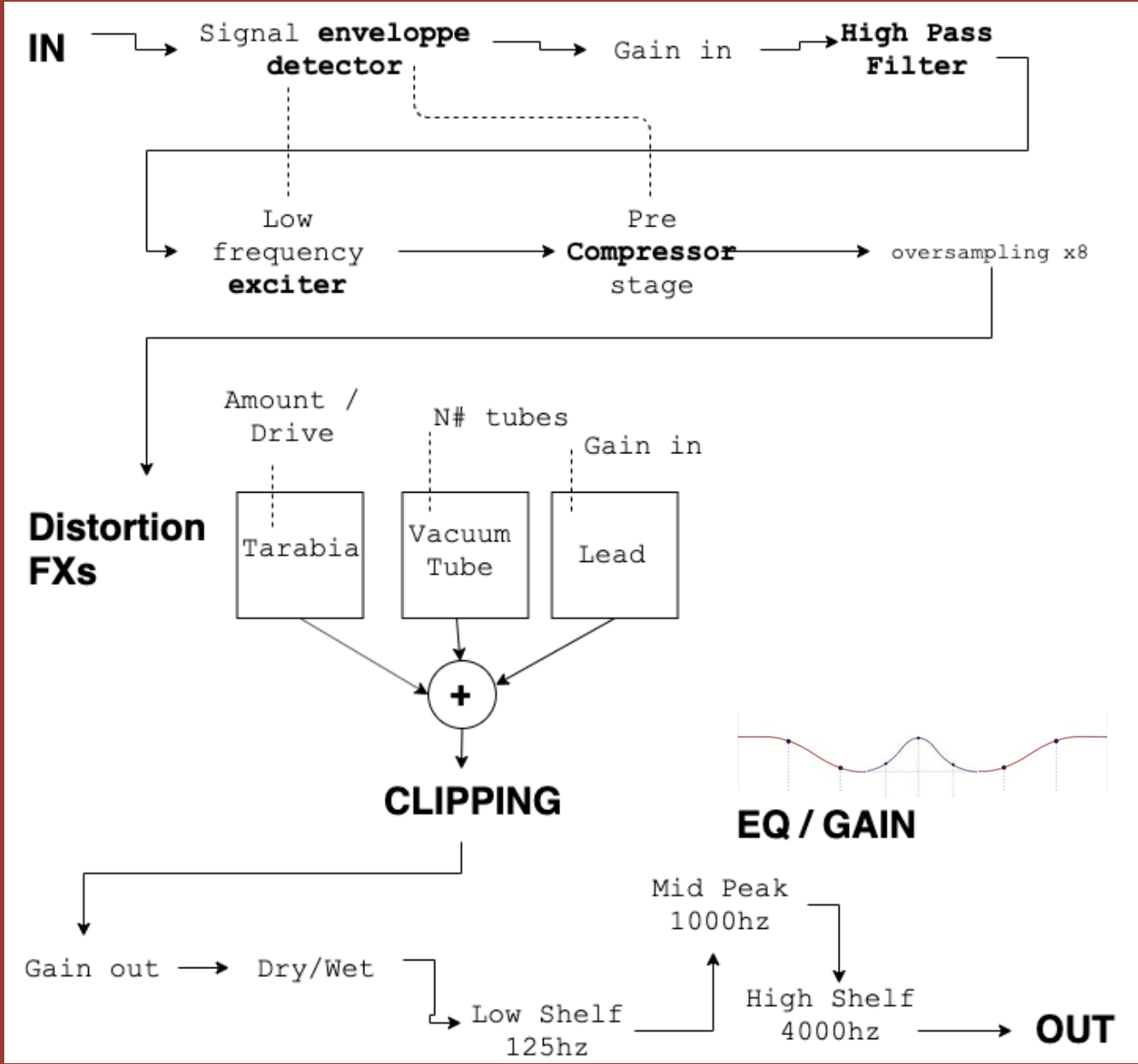- We want to keep the whole simple !

After several monthes of developement, we are proud to present you the new version of our Tarabia Distortion (MKII) effect that includes :
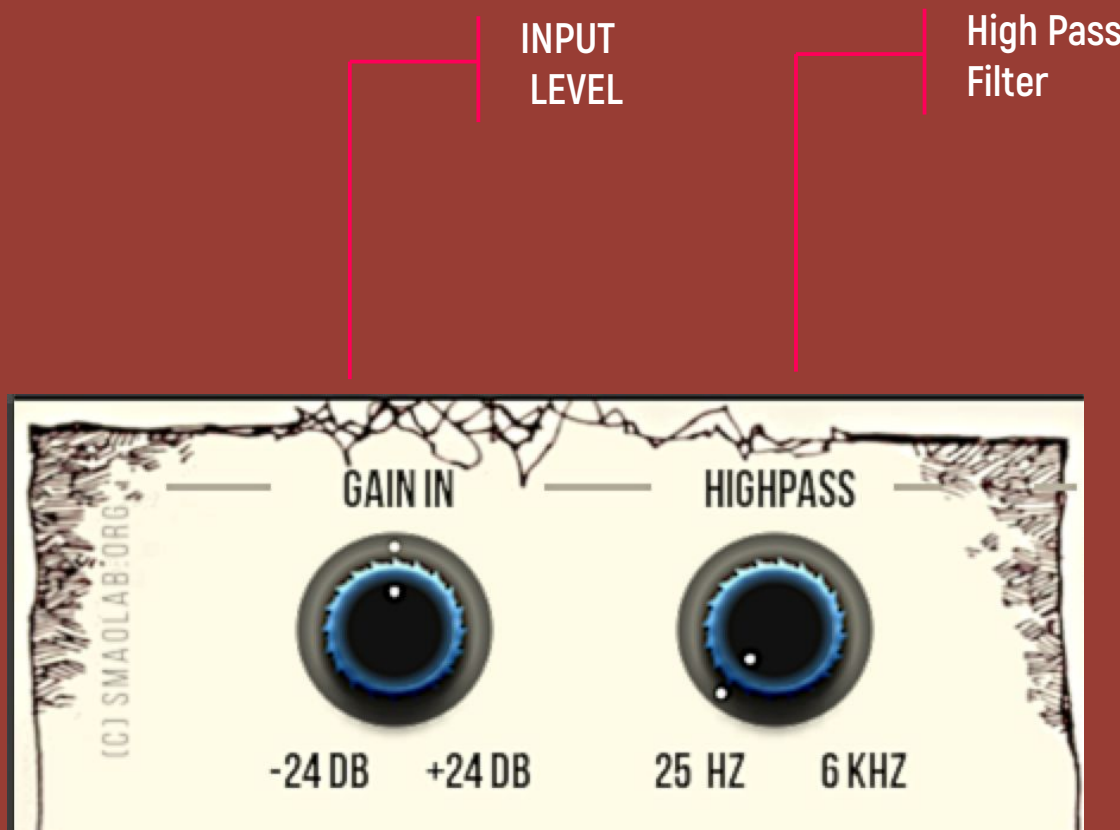
- A high pass filter,
- A low frequency exciter,
- A pre distortion function (dynamic compressor),
- 3 different distortions : Tarabia, Vaccum tube, Hard Lead,
- 3 different clipping/limiting functions,
- You can morph sounds between the 3 different distortions proposed,
- You access an Equalizer to sculpt more your sounds,
- The sound is passed through an OversamplingX8 + 2 poles filters process to produce an very high quality sound,

You can change up to 15 parameters & produce your own & unique distortion sounds !
We hope you will enjoy this plug ins as much as we get pleasure to develop it & use it every day.

IN → Signal **enveloppe detector** → Gain in → **High Pass Filter**

Low frequency **exciter** → **Compressor** stage → oversampling x8

Pre

Distortion FXs

Amount / Drive — Tarabia

N# tubes — Vacuum Tube

Gain in — Lead

(+)

CLIPPING

EQ / GAIN

Gain out → Dry/Wet → Low Shelf 125hz → Mid Peak 1000hz → High Shelf 4000hz → **OUT**

INPUT LEVEL

High Pass Filter

GAIN IN   HIGHPASS

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-24 DB   +24 DB   25 HZ   6 KHZ

The **High Pass Filter** can be used for many purposes :

- filter low frequency that you don't want to send in the distortion process

- once you have set all the different parameters & happy with the distortion sound, use the filter as a **DJ Killer Filter** !

Try it on a Drum sequence ;-)

Gain In is important to increase distortion harmonics, but becare full, too much gain may flatten the overall distortion sound.

PRE DISTORTION

Make up Level

PRE DISTORTION

Compressor Threshold
- 40db to 0db

Low frequency exciter

→ Set the amount from 1.0 up to 2.0

→ Switch **ON / OFF**

The **EXCITER** & **PRE-DISTORTION** functions are inspired by the famous dynamic branching compressor technic with automatic attacks & releases.

An **enveloppe follower** catch the body of your sounds to adapt the exciter & pre-distortion function and make a subtile « groove » feeling.

You can use those functions to produce distortion sounds on its own !

The **LEAD** mode does not have any parameter, the sound is automatically processed, nothing to do !
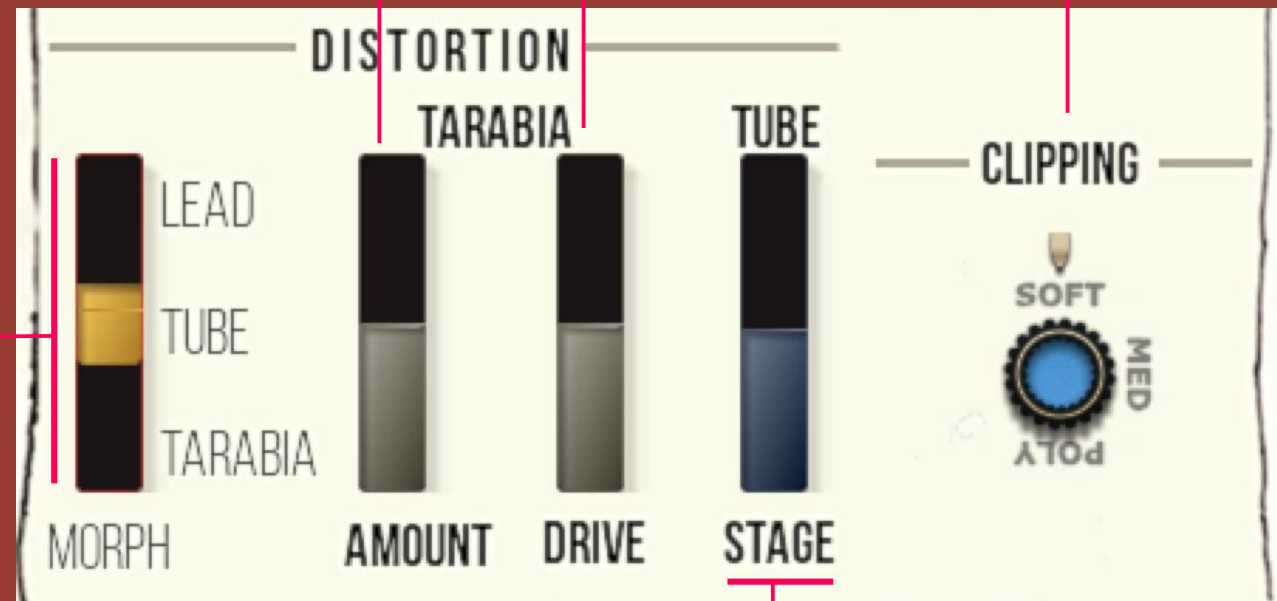
Tarabia Amount

Tarabia Drive

CLIPPING

Soft
Medium
Poly Mode

Morph sounds between the 3 different distortions functions

MORPHING

DISTORTION

TARABIA

TUBE

CLIPPING

LEAD

TUBE

TARABIA

SOFT

MED

POLY

MORPH

AMOUNT

DRIVE

STAGE

VACCUM TUBE

The Clipping function implements 3 kind of technics,
- **a very soft one,** use it everywhere !
- **a medium mode,** use it if your sounds as been recorded at low level
– **a poly mode,** tjhis is a crazy mode, becare full when using it, however you will also get new sounds artefacts ! Excellent on 8 bits sounds or if you want to strength the body of a BASS lead.

Choose the number of tubes the sound will be processed in **(1 to 8)**
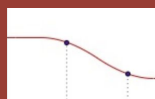
OUT LEVEL

DRY/WET

GAIN OUT

DRY/WET

EQ / GAIN

+12db

-12db

Turn clockwise direction to increase the **EQ Band Gain**,

and **counter-clockwise** direction to decrease the EQ Band Gain

-24 DB   +24 DB

0   100

M

L   H

TARABIA DISTORTION MK2

EQ

Low Shelf
125HZ

Mid Peak
1000HZ

High Shelf
4000HZ

- Low Shelf / -12db up to +12db
- Mid Peak / -12db up to +12db
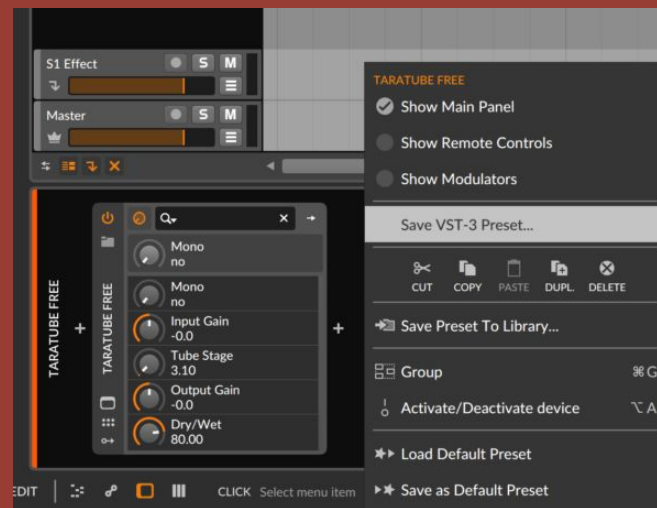- High Shelf / -12db up to +12db

PRESETS

You will remark that the plug-in visual knobs are very straightforward, few indications… and **no predefined presets.**

We made this on purpose as we beleive that hearing & feeling the sounds is more important than giving you presets that most of the time, will not suit your own music…
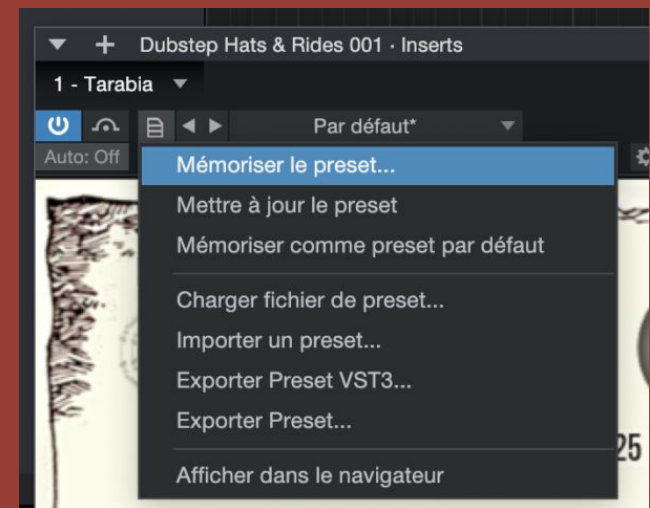
However, **you can save your own presets** - and recall them with ease - using the dedicated function in your DAW.

ABLETON LIVE SAVING PRESETS

BITWIG SAVING PRESETS

STUDIO ONE SAVING PRESETS

TaraLead – **Extreme Distortion** plug-in
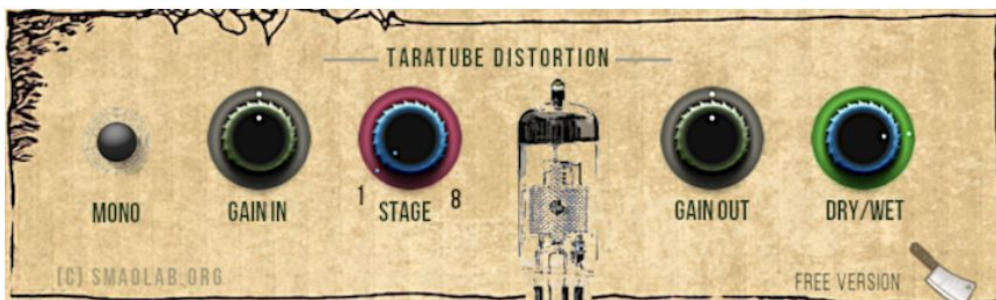+ Asymmetric wave clipping + Oversampling x2

TaraLead – **Extreme Distortion** plug-in

Very easy to use, no parameter (almost!).

Overdrive & Fuzz
Excel on Guitar & Leads !
It may also produce a sound that drool !

TaraTube – **8x Vacuum Tubes** Distortion/Overdrive plug-in
+ Soft clipping + Oversampling x2

TaraTube – **8x Vacuum Tubes** Distortion plug-in

You can change the number of tubes you want to apply on the input signal **(stage parameter /** n# of tubes**)**.

Soft to Medium Distortion, Enhancer sound, Add space & Round sounds !

Tarabia MK1 – **Indian Distortion** plug-in

It implements the famous Tarabia Indian Distortion algorithm (originally created in 2018).

This is a particular & original soft distortion/overdrive that can increase the transients/shape.

Tarabia MK1 – **Indian Distortion** plug-in
+ Soft clipping + Oversampling x2

IS IT THE END ?

NO !

You can watch our videos to see the plug-in in action :
- https://youtube.com/playlist?list=PLPd1b84S8oJufJQkjS94i9YcPqmzjSfQi

If you have any questions, feedbacks or any issues,
don't hesitate to contact us at

Support Email : contact@smaolab.org