GRANNY'S KITCHEN

Granular synthesizer

LA LOBBY

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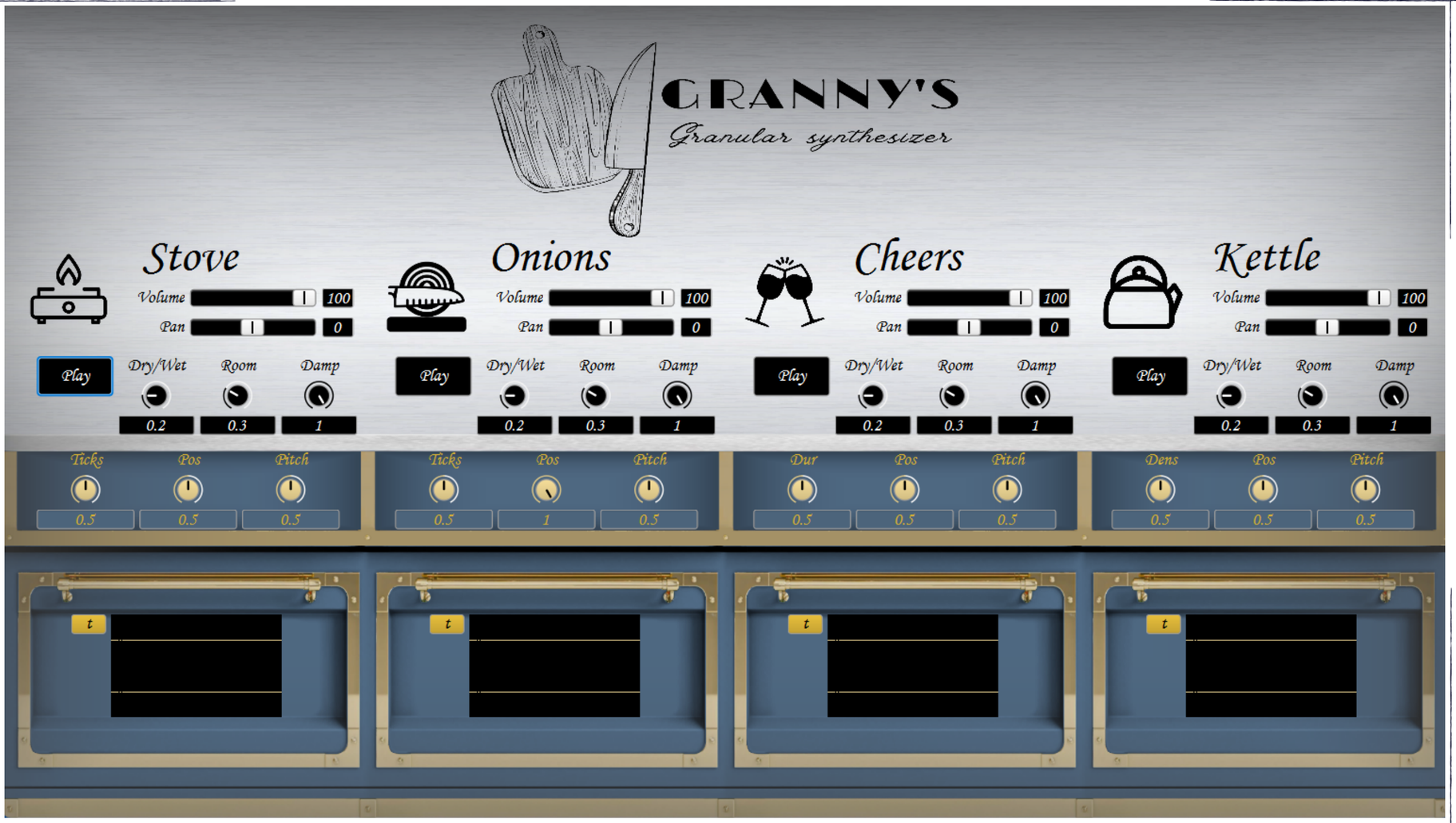
GOAL

Use sound granulation to create four different foley sounds belonging to a kitchen:

- lighting a gas stove (Stove);
- the sound of chopping an onion on a cutting board (Onion);
- the clinking of crystal glasses (Cheers);
- the boiling of a kettle (Kettle).

To set the stage, we have chosen 'Le festin' as our starting track, one of the soundtracks from the film 'Ratatouille'.

GRAPHICAL USER INTERFACE



CUSTOMIZABLE PARAMETERS

Each sound offers three unique parameters that can be modified:

Stove & Onions

Ticks

Position

Pitch

Cheers

Duration

Position

Pitch

Kettle

Density

Position

Pitch

Stove sound knobs

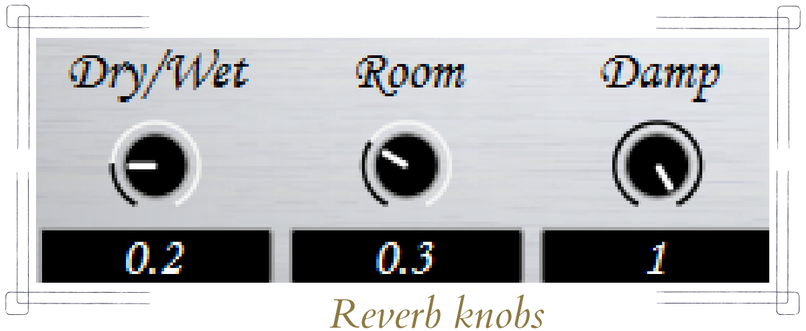
Cheers sound knobs

Kettle sound knobs

REVERBS

We have incorporated customizable reverb effects for each sound. Users have the freedom to adjust parameters such as:

- the '*dryness*' or '*wetness*' of the reverb;
- the simulated room size;
- the level of damping, which affects the frequency absorption characteristics of the room's walls.

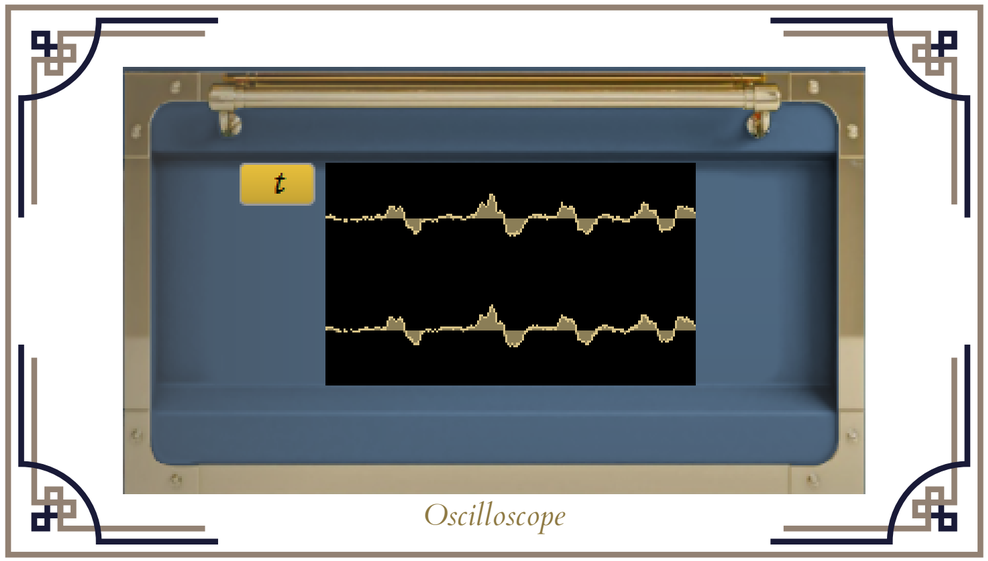


Reverb knobs

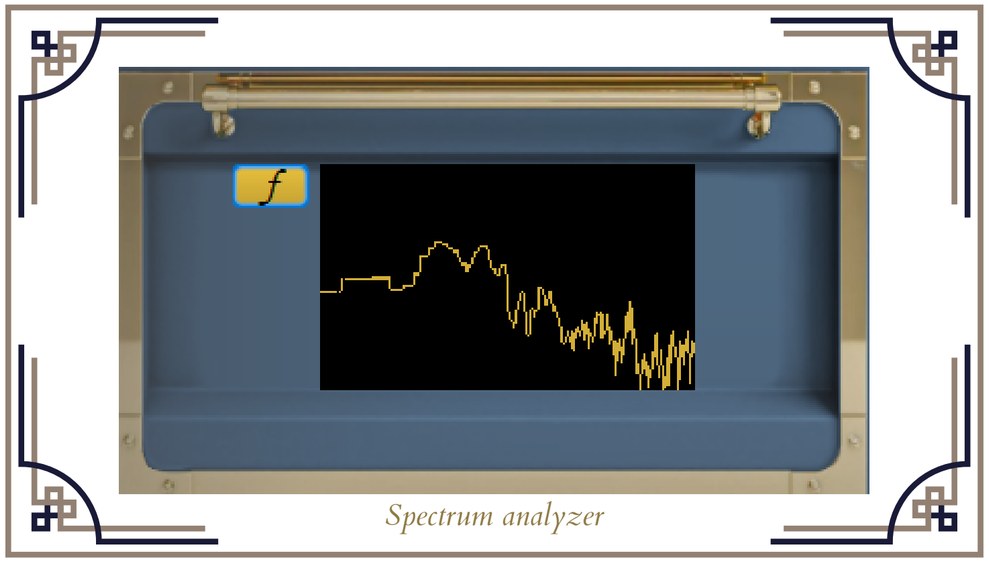
GRAPHICAL REPRESENTATION

To aid in the analysis and manipulation of the sounds, we provide two graphical representations:

- Oscilloscope, which visually portrays the sound wave's temporal characteristics.
- Spectrum analyzer, which offer insights into the sound's spectral content.



Oscilloscope



Spectrum analyzer

CONCLUSIONS

- 'Granny's Kitchen' presents an effective approach to sound design by incorporating granular synthesis techniques and capturing the essence of a kitchen environment.

- Our user-friendly graphical interface and customizable parameters offer an immersive and engaging experience for both audio enthusiasts and casual users alike.

THANKS FOR THE ATTENTION

La Lobby