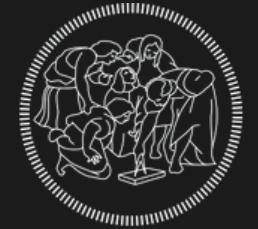


POLITECNICO DI MILANO - ADVANCED CODING TOOLS AND METHODOLOGIES



POLITECNICO
MILANO 1863

URJ-3000

MULTIFUNCTIONAL POLYPHONIC SYNTHESIZER



UMBERTO DERME
RICCARDO DI PALMA
JACOPO CAUCIG



The main interface features a piano keyboard at the bottom. Above it is an 'ENVELOPES' section with sliders for Attack, Sustain, Decay, Release, and Gain, and a corresponding graph. To the left is a 'TALK' button with +/- sliders and an 'On/Off' button. On the far left is a 'LOOP' button. The background has a cracked glass effect.

This panel contains three sections: 'FILTERS' with Low-Pass and High-Pass sliders, 'ECHO' with Delay and Gain sliders, and 'FREQUENCY DIFFERENCE' with a slider set to 'Detune: 0 Hz'. It also includes a dropdown menu for 'Lo Fi piano' and a 'SAVE' button.

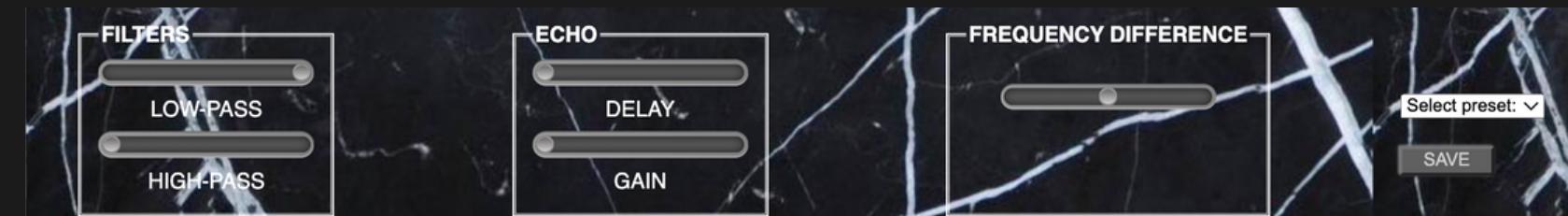
3 MAIN SECTIONS



RECORDER



SYNTHESIZER



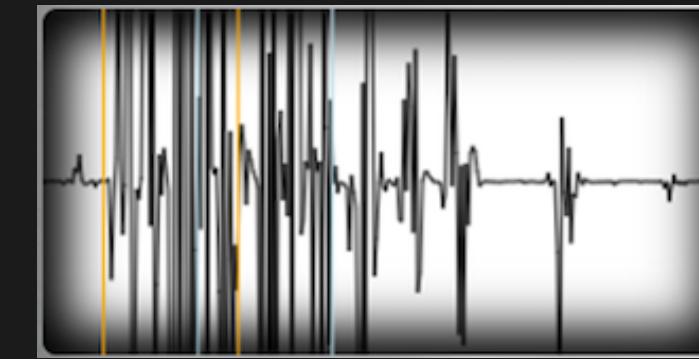
EFX-RACK



RECORDER



| SOUNDWAVE VISUALIZER



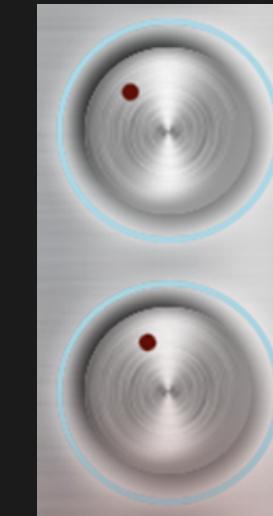
| RANDOMIZER



| TEST/CLEAR BUTTON



| START/END KNOBS



| ON/OFF, REC BUTTON



SYNTHESIZER



EFFECT RACK



HIGH AND LOW PASS
FILTER FREQUENCY
CONTROL

ECHO
PARAMETERS
CONTROL

FREQUENCY
DIFFERENCE BETWEEN
OSCILLATORS

PRESET
WINDOW



choose-it

Choose your personal configurations

save-it

Save the values on the firebase folder

use-it

Use the preset through the drop-down window

FIREBASE



LINKS:

FOR MORE
DETAILS
SEE
README.md
FILE ON
GITHUB

VIDEO DEMO: _____

<https://youtu.be/piUWdv34XuM>

GITHUB: _____

<https://github.com/drmmrt/PROGETTO-ACTAM.git>

