syndig sound pipeline schematics

syndig is a simple synthesizer written in C
licensed under GNU GPL v3 or later
written by Christian Garbs
https://github.com/mmitch/syndig

Diagram labels:

CC 073

Poly Mode

CC 123 — all notes off

CC 120 — all sound off

POLYPHONY HANDLER

NOTE ON

NOTE OFF

PGM CHANGE

OSCILLATOR

ENVELOPE

AMPLIFIER

AMPLIFIER

AMPLIFIER

STEREO AMPLIFIER — L / R

MIXER

COMPRESSOR

Osc. Type

Frequency

Velocity

lane implementation

lane configuration

Osc. Type

CC 073 → Attack

CC 076 → Decay

CC 075 → Sustain

CC 072 → Release

CC 007 → Volume

CC 010 → Pan

channel configuration

Legend/Key:

MIDI EVENT

PROCESSING

VALUE

stereo

updated once

updated continuously

Output