

PATCH NAME: COMMENTS:
PROJECT:

FUSEBOX

ANALOGUE SOLUTIONS

OSCILLATORS

VCO1 DETUNE PITCH PW PWM VCO

OCT +1 XMOD FROM VCO2 ON

VCO2 DETUNE PITCH PW PWM VCO / VCLFO

WIDE TUNE ON SYNC FROM VCO1 ON

VCO3 FREQ PITCH PW PWM VCO / VCLFO

WIDE TUNE ON MIDI PITCH ON

MIXING

MUTE

FILTERS

MULTIMODE VCF

CUTOFF RES

NOTCH

BP MODE LFP HPF

AUDIO OUT CUTOFF MODULATION

EXT CV VELOCITY

EXT CV EG1

MIDI

TRANS POSE MIDI CHAN ARP HOLD MODE RANGE

ARPEGGIATOR

SYNC

ENVELOPES

EG1 PATT OFF MIDI TRIG ATT DEC/REL SUS

EG2 PATT OFF MIDI TRIG ATT DEC/REL SUS

MODULATION

MASTER TUNE GLOBAL PITCH CV

PITCH

FADE IN CUTOFF PWM

LFO SPEED

MIDI CV

PITCH ACCENT M.CLOCK GATE VEL CC55

INTERVAL GENERATOR

ALL VCO 1 & 2

1 2 3 4 5 6

AMPLIFIER

MODE THRU EG2 EXT CV

VOLUME

VCA

PATTERNATOR

BEAT

SYNC NOTE OFF LFO CV PITCH CUTOFF

SKIP RESET SKIP RESET SKIP RESET

ANALOGUE SOLUTIONS

FUSEBOX PATCH SHEET

NOTES: USE COLOURED PENS FOR CLARITY! USE YOUR PATCH SHEETS AS GUIDES ONLY, SINCE WITH A PEN YOU CAN ONLY BE SO ACCURATE. IF A POSITION ISN'T MARKED - IT'S NOT RELEVANT TO THIS PATCH. PLAYING THE CORRECT MIDI NOTE MAY BE IMPORTANT! WHEN COPYING A PATCH - PLAY WITH SETTINGS! IT'S HARD TO RECREATE EXACT WRITING DOWN / RECREATING A PATCH WITH A REAL ANALOGUE SYNTH.

This patch: To sync Patternator to MIDI clock

Naturally plug MIDI Out from your DAW / Sequencer to MIDI In of Fusebox.

Set DAW to transmit Sync.

M.Clock socket will send clock pulses as 16ths.

Patternator will be sync'ed to MIDI.

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ANALOGUE SOLUTIONS

OSCILLATORS

VCO1 DETUNE PITCH PW PWM

OCT +1

XMOD FROM VCO2 ON

VCO2 DETUNE PITCH PW PWM

WIDE TUNE ON

SYNC FROM VCO1 ON

VCO / VCLFO

VCO3 FREQ PITCH PW PWM

WIDE TUNE ON

MIDI PITCH ON

VCO / VCLFO

MIXING

MUTE

NOISE

HIGH MUTE LOW

SUB

FILTERS

MULTIMODE VCF

CUTOFF RES

NOTCH

BP MODE LFP HPF

AUDIO OUT CUTOFF MODULATION

EXT CV VELOCITY

EXT CV EG1

VCF

MIDI

TRANS POSE MIDI CHAN ARP HOLD MODE RANGE

SYNC NOTE LFO

ARPEGGIATOR

EG1

PATT OFF MIDI

TRIG ATT DEC/REL SUS

EG2

PATT - MIDI

TRIG ATT DEC/REL SUS

OFF RE-TRIGGER

AMPLIFIER

VOLUME

VCA

PATTERNATOR

BEAT

SKIP RESET SKIP RESET SKIP RESET

SYNC NOTE OFF LFO

CV PITCH CUTOFF

GATE

MIDI CV

PITCH ACCENT M.CLOCK GATE VEL CC55

INTERVAL GENERATOR

ALL VCO 1 & 2

1 2 3 4 5 6

MODULATION

FADE IN CUTOFF PWM

LFO SPEED

PITCH

MASTER TUNE GLOBAL PITCH CV

ANALOGUE SOLUTIONS

FUSEBOX PATCH SHEET

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This patch: To sync Arpeggiator to MIDI clock

Naturally plug MIDI Out from your DAW / Sequencer to MIDI In of Fusebox.

Set DAW to transmit Sync.

M.Clock socket will send clock pulses as 16ths.

Arpeggiator will be sync'ed to MIDI.

PATCH NAME: COMMENTS:
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FUSEBOX

ANALOGUE SOLUTIONS

OSCILLATORS

VCO1 DETUNE PITCH PW PWM VCO

OCT +1

XMOD FROM VCO2 ON

VCO2 DETUNE PITCH PW PWM VCO / VCLFO

WIDE TUNE ON

SYNC FROM VCO1 ON

VCO3 FREQ PITCH PW PWM VCO / VCLFO

WIDE TUNE ON

MIDI PITCH ON

MIXING

MUTE

NOISE SUB

HIGH MUTE LOW

FILTERS

MULTIMODE VCF

CUTOFF RES

NOTCH

BP MODE LP HP

AUDIO OUT CUTOFF MODULATION

EXT CV VELOCITY

EXT CV EG1

VCF

MIDI

TRANS POSE MIDI CHAN ARP HOLD MODE RANGE

SYNCH

NOTE - LFO

ARPEGGIATOR

EG1 ENVELOPES

PATT OFF MIDI TRIG ATT DEC/REL SUS

EG2 ENVELOPES

PATT - MIDI TRIG ATT DEC/REL SUS

AMPLIFIER

MODE THRU EG2 EXT CV

VOLUME

PATTERNATOR

BEAT

CV PITCH CUTOFF

SYNC NOTE OFF LFO

SKIP RESET SKIP RESET SKIP RESET

MODULATION

FADE IN CUTOFF PWM

LFO SPEED

MIDI CV

PITCH ACCENT M.CLOCK GATE VEL CC55

INTERVAL GENERATOR

ALL VCO 1 & 2

1 2 3 4 5 6

AMPLIFIER

VCA

FUSEBOX PATCH SHEET

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This patch: Basic audio patch for VCO3

to get VCO3 audio playing with the other VCOs

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OCT +1

XMOD FROM VCO2 ON

VCO2 DETUNE PITCH PW PWM VCO

WIDE TUNE ON

SYNC FROM VCO1 ON

VCO / VCLFO

VCO3 FREQ PITCH PW PWM VCO

WIDE TUNE ON

MIDI PITCH ON

VCO / VCLFO

MIXING

MUTE

NOISE HIGH MUTE LOW

SUB

FILTERS

MULTIMODE VCF

CUTOFF RES

NOTCH

BP MODE LFP HPF

AUDIO OUT CUTOFF MODULATION

EXT CV VELOCITY

EXT CV EG1

MIDI

TRANS POSE MIDI CHAN ARP HOLD MODE RANGE

ARPEGGIATOR

SYNC NOTE LFO

ENVELOPES

EG1 PATT OFF MIDI TRIG ATT DEC/REL SUS

EG2 PATT OFF MIDI TRIG ATT DEC/REL SUS

AMPLIFIER

MODE THRU EG2 EXT CV

VOLUME

PATTERNATOR

BEAT

SKIP RESET

SYNC NOTE OFF LFO CV GATE

MIDI CV

PITCH ACCENT M.CLOCK GATE VEL CC55

INTERVAL GENERATOR

ALL VCO 1 & 2

1 2 3 4 5 6

MODULATION

FADE IN CUTOFF PWM

LFO SPEED

AMPLIFIER

VCA

FUSEBOX PATCH SHEET

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This patch: EG to pitch sweep

Use EG to sweep pitch downwards. Good starting point for percussive sounds.

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VCO2 DETUNE PITCH PW PWM VCO / VCLFO

WIDE TUNE ON SYNC FROM VCO1 ON

VCO3 FREQ PITCH PW PWM VCO / VCLFO

WIDE TUNE ON MIDI PITCH ON

MIXING

MUTE

FILTERS

MULTIMODE VCF

CUTOFF RES

NOTCH

BP MODE LFP HPF

AUDIO OUT CUTOFF MODULATION

EXT CV VELOCITY

EXT CV EG1

MIDI

TRANS POSE MIDI CHAN ARP HOLD MODE RANGE SYNC

ARPEGGIATOR

NOTE LFO

ENVELOPES

EG1 PATT OFF MIDI TRIG ATT DEC/REL SUS

EG2 PATT OFF MIDI TRIG ATT DEC/REL SUS

AMPLIFIER

MODE THRU EG2 EXT CV

VOLUME

PATTERNATOR

BEAT

CV PITCH CUTOFF

SYNC NOTE OFF LFO

MIDI CV

PITCH ACCENT M.CLOCK GATE VEL CC55

INTERVAL GENERATOR

ALL VCO 1 & 2

1 2 3 4 5 6

MODULATION

FADE IN CUTOFF PWM

LFO SPEED

GLOBAL PITCH CV

ANALOGUE SOLUTIONS

FUSEBOX PATCH SHEET

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This patch: Delayed Vibrato

To get delayed vibrato on all three VCOs.

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ANALOGUE SOLUTIONS

OSCILLATORS

VCO1 DETUNE PITCH PW PWM MUTE

OCT +1 XMOD FROM VCO2 ON VCO

VCO2 DETUNE PITCH PW PWM MUTE

WIDE TUNE ON SYNC FROM VCO1 ON VCO / VCLFO

VCO3 FREQ PITCH PW PWM MUTE

WIDE TUNE ON MIDI PITCH ON VCO / VCLFO

MIXING

MUTE

NOISE SUB HIGH MUTE LOW

FILTERS

MULTIMODE VCF

CUTOFF RES NOTCH BP MODE LFP HPF

AUDIO OUT CUTOFF MODULATION

EXT CV VELOCITY EXT CV EG1

VCF

MIDI

TRANS POSE MIDI CHAN ARP HOLD MODE RANGE SYNC

ARPEGGIATOR

EG1 ENVELOPES

PATT OFF MIDI TRIG ATT DEC/REL SUS

EG2

PATT OFF MIDI TRIG ATT DEC/REL SUS

AMPLIFIER

MODE THR EXT CV

VOLUME

VCA

PATTERNATOR

BEAT

SKIP RESET SKIP RESET SKIP RESET

SYNC NOTE OFF LFO CV GATE

MIDI CV

PITCH ACCENT M.CLOCK GATE VEL CC55

INTERVAL GENERATOR

ALL VCO 1 & 2

1 2 3 4 5 6

MODULATION

FADE IN CUTOFF PWM

LFO SPEED

PITCH

MASTER TUNE GLOBAL PITCH CV

FUSEBOX PATCH SHEET

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This patch: Accent Trigger

Accent sends a trigger pulse when MIDI velocity is over 80.

Use this to trigger something, for example, EG1!

Patch EG1 somewhere, like cut-off mod, for great effects.

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OSCILLATORS

VCO1 DETUNE PITCH PW PWM VCO

OCT +1

XMOD FROM VCO2 ON

VCO2 DETUNE PITCH PW PWM VCO / VCLFO

WIDE TUNE ON

SYNC FROM VCO1 ON

VCO3 FREQ PITCH PW PWM VCO / VCLFO

WIDE TUNE ON

MIDI PITCH ON

MIXING

MUTE

NOISE HIGH MUTE LOW

SUB

FILTERS

MULTIMODE VCF

CUTOFF RES

NOTCH

BP MODE LP HP

AUDIO OUT CUTOFF MODULATION

EXT CV VELOCITY

EXT CV EG1

MIDI

TRANS POSE MIDI CHAN ARP HOLD MODE RANGE

ARPEGGIATOR

EG1 ENVELOPES

PATT OFF MIDI TRIG ATT DEC/REL SUS

EG2 ENVELOPES

PATT OFF MIDI TRIG ATT DEC/REL SUS

AMPLIFIER

MODE THRU EG2 EXT CV

VOLUME

PATTERNATOR

BEAT

SYNC NOTE OFF LFO CV PITCH CUTOFF

MODULATION

FADE IN CUTOFF PWM

LFO SPEED

INTERVAL GENERATOR

ALL VCO 1 & 2

1 2 3 4 5 6

MIDI CV

PITCH ACCENT M.CLOCK GATE VEL CC55

AMPLIFIER

VCA

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This patch: VCO3 as LFO

To use VCO3 as a LFO....

VCO3 Freq is speed, and EXC CV is depth in this example.