metropolix _travelers guide _for mapping the metropolis

8 stages | **2 + 8** tracks + mod lanes | **64** presets

› then noon = 12 o'clock tags = the panel drawing

two note tracks read one set of sliders and switches · eight mod lanes · per-stage edits · 64 presets

01 what it is

mx_01

one sequence	eight stages: a pitch slider, a pulse count switch and a gate type switch each
two tracks	trk 1 + trk 2 play those stages their own way: order, length, clock, gates
8 mod lanes	eight more 8-stage voltage lanes, sent to an out or inside
memory	64 presets (8 banks × 8) · live settings survive power off

02 the three rows

mx_02 · fig.01

pitch	the stage's note, quantized to the scale + [scale]
pulse count	how many clock pulses the stage lasts · 1 – 8
gate type	hold = one long tied gate · multi = a gate per pulse · single = one gate · rest = none
not matching?	a pitch override, accum, aux or a loaded preset is winning · [exit] 1 s = sync to panel

10 first flight

mx_10 · first sequence

1. [setup] › clock › internal
2. [bpm] + stage 6 = 120 bpm
3. pulse count 1, gate type single on every stage
4. trk 1 pitch + gate to a voice · [run]
5. move sliders · [scale] to pick the key
6. then [order] and pulse counts for rhythm

11 scales

mx_11 · scale button · manual p.62 – 68

149 scales	35 traditional (7 banks) · 14 chord shapes · 100 user (10 banks)
chord shapes	great with [accum] · arpeggios that stay in key
lock	press the encoder: browse without hearing · magnifier = just looking
user scales	long-press to edit · [alt] toggles root · saved automatically
scale changes	lock a user scale, then point a mod lane, aux or ctrl at scale (user)
[scale] + stage	eight scale shortcuts · long-press a stage to store your own

03 the edit pattern

mx_03 · the big idea · fig.02

1	[trk 1] or [trk 2] · pick the track
2	[edit] then a function: slide · skip · pitch · gate · ratch · prob · accum · cv
3	press a stage button · turn the encoder (slide + skip just toggle)
[alt] + turn	change every stage at once
undo	long-press the encoder = clear this stage · [alt] + long-press = all

__fig.02 : the edit pattern

edit › function › stage



stay on the screen and press other stage buttons to keep editing
lit stage buttons = stages with a setting · exit = home screens

04 per-stage edits

mx_04 · edit + …

[slide] [skip]	glide into the stage (red) · drop the stage and its pulses (orange)
[pitch] [gate]	a fixed note C0 – C5 (yellow) · gate rest, 1 – 99 % or 100 % hold (green)
[ratch] [prob]	1 – 8 repeats (cyan) · 0 – 100 % chance, per stage or per pulse (blue)
[accum]	adds scale degrees each stage, pulse or ratchet (magenta) · range on [lim]
[cv]	±5 V per stage · silent until an out is set to cv + [a] [b]

__fig.05 : ratchets

stage over 4 pulses



gate stretching off · on: multiply, pulse or gated (track menu)

__fig.06 : accum timing

lim › trigger

trigger ↓ · gate type →	hold	multi	single	rest
stage	each stage	each stage	each stage	–
pulse	each stage	every pulse	first pulse	–
ratchet	each stage	each ratchet	first-pulse ratchets	–

05 track settings

mx_05 · the bottom-left row

[order]	21 play orders (pendulum, hopscotch, pedal point, brownian, shuffle, random …) · push = reverse
[len]	stages 1 – 8 · [alt] + turn = offset · pulses 1 – 64 or auto
[div] [swing]	track clock divide · pulse count div · swing 50 – 78 %
[slide] [gate]	slide time + type (analog · tempo · acid) · gate length + gate scale
tip	give the two tracks different lengths or orders · instant counterpoint

__fig.04 : play orders

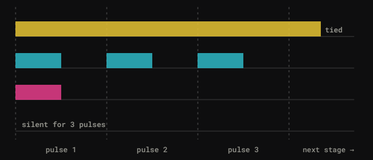
order · first steps



bar height = stage 1 – 8 · push the encoder to reverse any order
plus brownian (50 % on, 25 % stay, 25 % back), shuffle, quasi random, random

__fig.01 : gate types

pulse count 3 · gate length 50 %



06 alt functions

mx_06 · alt, then a stage button

[load] [save]	turn = bank (by colour) · stage button = slot · save can also clear
[a] [b]	what out A / B sends: cv lane, a mod lane, first/last pulse, new stage, root, run, ctrl
[clk] [mx]	clock out /1 – /256 + offset · gates for a gx or qx expander
[lim] [type]	accum limits, polarity, reset · cv lane = voltage or gate toggle
[alt] + [trk]	track menu: transpose ±60, slider octaves 1 – 4, invert, gate stretching

07 run · reset · loopy

mx_07 · transport

[run]	start / stop · setup sets run/stop or run/pause
[reset]	back to the start stage · hold [trk 1] and press = that track only
[∞] + hold 1	loop from that stage for the loop pulses set on screen
[∞] + hold 2	loop between the two stages · press [∞] again to latch
stopped	the stage buttons play their notes like a keyboard
[∞] + [trk]	mute that track · or a stage button = mute that mod lane

__fig.07 : loopy

∞ + stage buttons



loop pulses auto = every looped stage plays its full pulse count · ∞ again latches

12 stage player · home

mx_12 · manual p.28 – 31, 44

stage player	stopped + [∞]: stages play pitch, gate and cv like keys
caveats	gate lasts as long as you hold · pitch overrides win · position untouched
[exit] + turn	home 1 positions · 2 notes · 3 panel vs overrides · 4 mod
[order] + stage	eight play-order shortcuts · long-press a stage to store

08 mod · ctrl · aux

mx_08 · modulation

mod lanes [mod] › [edit] + stage 1 – 8
that lane opens · stage buttons + encoder set ±5 V, push = step or ramp · press mod = its destination + track

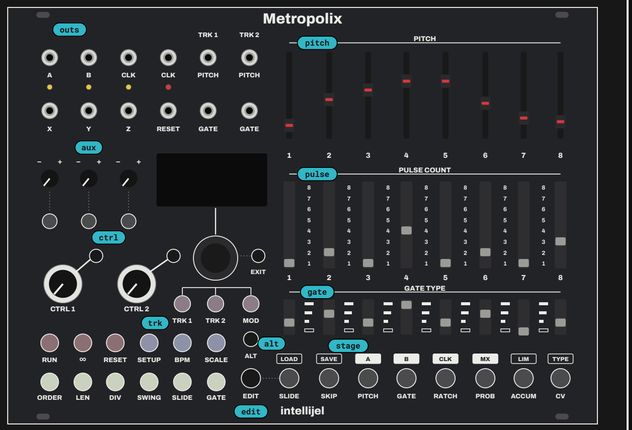
ctrl 1 · 2 its black button
pick a parameter and track · the knob sets the value directly

aux x y z its button
±5 V in, attenuverter scales · offsets the value · on a gate target the knob alone flips it

randomize alt › x · y · z
on any edit screen: x = random · y = nudge · z = back to before

__fig.03 : the panel

numbers match the legend



pitch pitch sliders · a note per stage
pulse pulse count · 1 – 8 clock pulses
gate gate type · hold · multi · single · rest
stage stage buttons · edit functions below · alt functions above
edit edit · then a function, then a stage
alt alt · then a stage button or trk button
trk trk 1 · trk 2 · mod · what you are editing
ctrl ctrl 1 · 2 · button = assign · knob = value
aux x · y · z · cv in · attenuverter · assign button
outs a · b · clk · assignable outs + clock out

09 specs

mx_09

outs	pitch 1 V/oct · gates 0 / +5 V · A, B assignable
ins	clk · reset (or run) · aux x y z ±5 V
clock	internal 0.1 – 400 bpm · tap [bpm] · clk in or midi
midi	notes, cv + mod lanes as cc, clock · rear usb, backpack or solo kit
size	34 hp · 25 mm deep
power	95 mA +12 V · 10 mA –12 V