

DUB-1 BASS

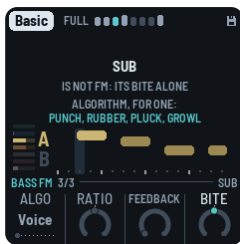
LFO: a sub on the chord's root, its groove held a phrase at a time, as of 1.4.0 (build 671d9be). FM-1 firmware.



Bass 1/3: its lane (A, B), notes raised by pitch, resting ones outlined.



Bass voice 2/3: Octave, Shape, Gate, Glide.



Bass FM 3/3 on Sub: not FM, its Bite alone.



Density 20: the zone's name under the value, its sentence below.



Density 65: the ring in two segments, the names round it.

1 • WHAT IT IS

One note at a time on the chord's root, low (E1 to Eb2), on a groove of semicorcheas (16ths). It slides briefly from note to note.

THE PLAN A phrase plays A A B A A B (card 8). Which notes rest, which are the fifth, the octave note: drawn once a phrase, the same every A bar.

OCTAVE NOTE Now and then one note an octave up (never the bar's first), the same place each bar: more often as Vary rises.

BORROWED GROOVE Rarely, at a phrase, Groove steps to a neighbour, later back: as the square of the bass's amount (at 100: 7 phrases in 400; Hold: never). Lock rests it.

DRY No echo in any piece (its strip's Echo 0); some plate. The duck pushes it deeper and lets go slower: it pumps.

2 • THE BASS PAGE LFO • then voice > FM > back

GROOVE KNOB 1 The pattern, sparse to busy: **Drone** (one note a bar, held almost to the next), **Offbeat** (the four "ands"), **Dotted**, **Sync**, **Roller**.
Drone • Offbeat • Dotted • Sync • Roller

VARY KNOB 2 Its figure's changes, more or less than Form's Vary: the plan drawn anew (kept 2 to 6 phrases first), the octave note, the borrowed groove. Far left **Hold**: the plan kept.
Hold • 0 as Form's • +50

DENSITY KNOB 3 How many of the groove's notes play, from the bar's first alone to all; the last one drawn fades in, so every step is heard. Two zones (card 3).
0 the first alone • 100 all

FIFTH KNOB 4 How often a note is the chord's fifth, not its root. The bar's first is always the root; on Drone, how often a whole bar is the fifth.
0 never – 100 every note

3 • DENSITY'S ZONES KNOB 3, in segments

Turning it, the big ring shows the zones round it; the zone's sentence is the help line; the reader says "Density 20, Sparse".

SPARSE 0 – 29 "The groove's notes join one by one." At 0: "The bar's first note alone".

PICKUPS 30 – 100 "Busy bars add a pickup into the next": a busy B bar plays the whole groove and a note on the bar's 15th semicorchea. The notes go on joining to 100.

On Drone (one note a bar) only Pickups is heard. Energy (Form) thins it or fills it.

4 • THE VOICES ALGORITHM, a bass page; round

SUB A sine and a little of its octave. Not FM.

PUNCH An FM stack: a thump in its first 90 ms. Algorithm 1.

RUBBER Two pairs, one an octave under; op 4 feeds back.

PLUCK Two operators at 3: a pluck gone in 50 ms. 2-op.

GROWL Two operators at 1: a bite with each note. 2-op.

5 • THE BASS VOICE PAGE LFO again

OCTAVE KNOB 1 The bass an octave down or up. At -1, E0 to Eb1: felt more than heard.
-1 • 0 E1–Eb2 • +1

SHAPE KNOB 2 A pure sine, to a square.
-50 sine • 0 the voice's • +50 square

GATE KNOB 3 How long each note holds, against its groove's.
-50 half • 0 • +50 twice (Drone: the bar)

GLIDE KNOB 4 How long it slides to the next note.
-50 ~0.6 ms • 0 12 ms • +50 ~250 ms

6 • THE BASS FM PAGE LFO a third time

ALGO KNOB 1 Which operators modulate which (sheet 5's drawing).
Voice • 1 – 8 • 2-op

RATIO KNOB 2 Operators 3 and 4's pitch.
-50 half • 0 • +50 twice

FEEDBACK KNOB 3 Op 4 on itself, from the voice's own: pure to gritty.
0 – 100

BITE KNOB 4 Drive: clean to growling, on every voice. On Sub the other three grey.
-50 clean • 0 • +50 growling

7 • LEVEL, STRIP, LFO HELD

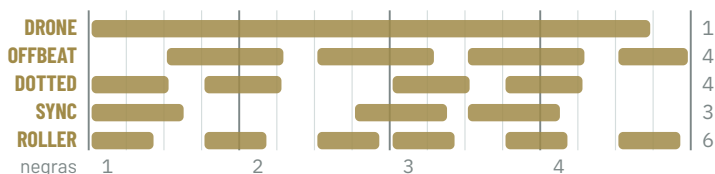
OCT- / OCT+ On a bass page: its level, 5 a press; both together, muted or back.

THE STRIP SEL, white 3 (A3) held: Level, Echo, Plate, Filter. Black 3 (A#3): a tap solo, held a throw, driven so it carries in the echo (sheet 2).

LFO HELD 0.5 s, a **nudge**: Bite, Shape, Gate, Glide, Fifth a step (Ratio, Feedback on an FM voice). 1.5 s, a **shake**: another voice and a neighbouring groove, every value a big step.

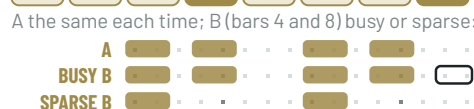
8 • THE GROOVES, AND THE PLAN each note its gate long; 1-4 the negras (quarters)

THE GROOVES: A BAR OF SEMICORCHEAS (16THS)



A PHRASE: EIGHT BARS

A the same each time; B (bars 4 and 8) busy or sparse:



Dotted: busy adds a pickup (outlined); sparse, every other.