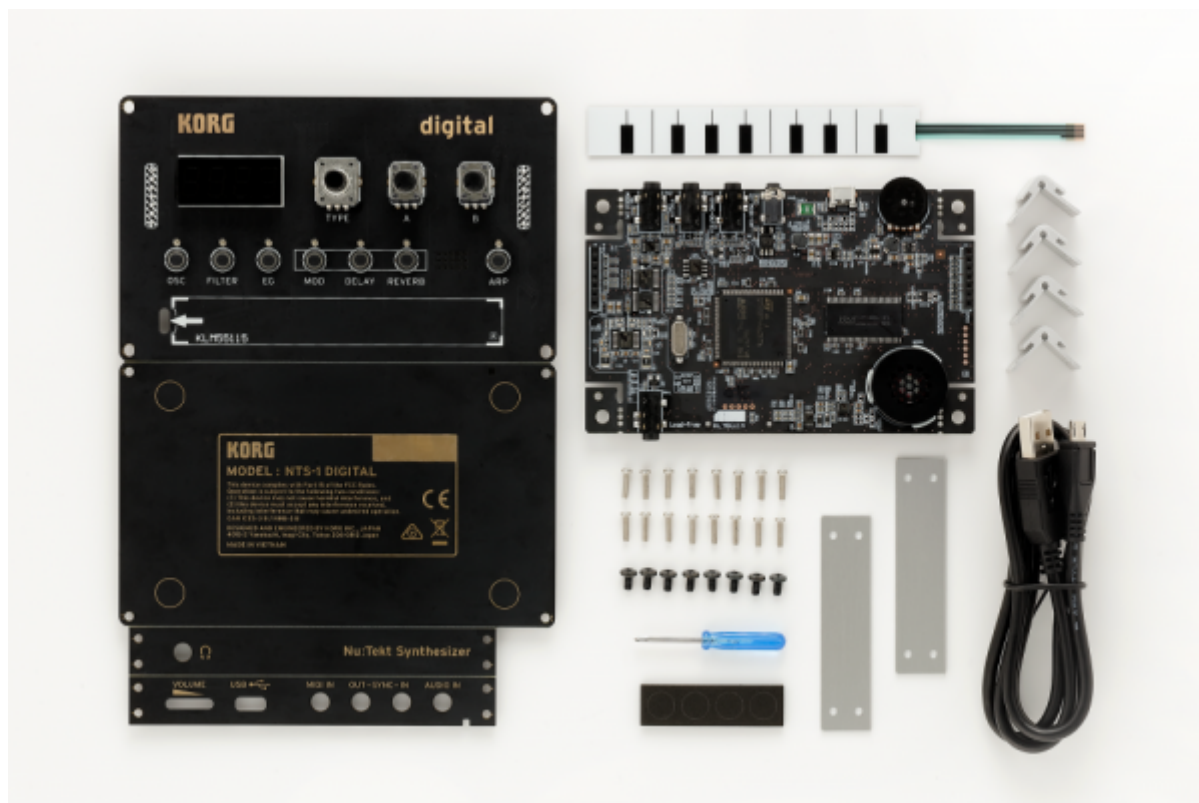


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Korg Nu:Tekt NTS-1

Kit



Funciones como sintetizador

Funciones como caja de efectos

logue SDK

```
28 static State s_state;
29
30 void OSC_INIT(uint32_t platform, uint32_t api)
31 {
32     s_state.w0 = 0.f * s_fs_recip;
33     s_state.phase = 0.f;
34     s_state.drive = 1.f;
35     s_state.dist = 0.f;
36     s_state.muted = false;
37 }
38
39 void OSC_CYCLE(const user_osc_param_t * const params,
40               int32_t *yn,
41               const uint32_t frames)
42 {
43     // params: shape_lfo, pitch, cutoff, resonance
44
45     float phase = s_state.phase;
46     const float w0 = s_state.w0;
47     const float drive = s_state.drive;
48     const float dist = s_state.dist;
49
50     q31_t * __restrict y = (q31_t *)yn;
51     const q31_t * y_e = y + frames;
52
53     for (; y != y_e; ) {
54         // Phase distortion
55         float p = phase + linintf(dist, 0.f, dist * osc_sinf(phase));
56         p = (p <= 0) ? 1.f - p : p - (uint32_t)p;
57
58         // Main signal
59         const float sig = osc_softclipf(MAX_GAIN, drive * MAX_GAIN * osc_sinf(p));
60         *(y++) = f32_to_q31(sig);
61
62         phase += w0;
63         phase -= (uint32_t)phase;
64     }
65
66     s_state.phase = phase;
67 }
68
69 void OSC_NOTEON(const user_osc_param_t * const params)
70 {
```

personalización

Referencias

- [Logue SDK from Korg](#)
- [NTS-1 Customizations](#)
- [The Kodelogue channel on YouTube](#)
- [Kork Minilogue XD SDK tutorial - User Oscillators](#)

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