AudioThing

TapeStation

About

What happens when a '90s analog synth meets an '80s tape recorder? We sampled a famous Analogue Bass Synth to tape using a new old stock cassette, and boxed it into a Kontakt Instrument. The original synth produced fat bass sounds and sharp leads, but now the raw tape sounds and unstable pitch add perfect elements for "tron" like sounds. Each waveform (Sawtooth, Square, Pulse 5%) was sampled chromatically from C0 to C7 and each sample is more then 6 seconds long. In the custom Performance View a Saturation and Limiter Input Gain are added to the original synth's parameters.

Specifications

- 2 Oscillators (Saw, Square, Pulse 5%)
- 12-24dB/oct filter
- 1 LFO (Random, Saw, Triangle) for Pitch and Cutoff
- 2 Envelopes
- 24 Factory Presets
- 24 User Presets (save function within the Kontakt GUI)
- Sample resolution: 44.1Khz / 24Bit
- Size: 200 MB installed
- Custom performance view
- Native Instruments Kontakt 4.2.2 full retail version is required

Installation

Once *AudioThing_TapeStation.zip* is downloaded, you need to unzip it using a software like WinRar or UnRarX. It is better to preserve the internal folder structure, however, it is possible to place instruments and samples to separate folders/harddisks but Kontakt will ask for the new path first time you run the instrument. Kontakt 4.2.2 is needed. Kontakt Player will run a demo version of this library for a limited time (and with limited functions).

Interface

Voices
Glide – Portamento Time
Mode – Switch between Monophonic and Polyphonic

LFO
Speed – Synced rate of the LFO (16th)
Shape – LFO waveform (Random, Ramp/Sawtooth, Triangle)

OSC1
Mix – Relative volume for both Oscillators
Waveform – Sawtooth, Square, Pulse 5%

OSC2
Detune – Fine tuning in cents
Semitone – Tuning in semitones
Range – Octave tuning
Waveform – Sawtooth, Square, Pulse 5%

Pitch Modulation
Envelope – Amount of Envelope 2
LFO – Amount of LFO

Filter
Cutoff – Filter frequency
Resonance – Cutoff emphasis/peak
Mod. Depth – Amount of modulation for Filter Cutoff
dB/oct – Filter slope (12-24dB/oct)
Mod. Source – Modulation sources (LFO or Envelope 2) for Filter Cutoff

Envelope
Attack – Envelope Attack time
Decay – Envelope Decay time
Sustain – Envelope Sustain value
Release – Envelope Release time
Velocity – Envelope Velocity value
Envelope 1 controls the amplifier/volume of the instrument while Envelope 2 can be selected as source for pitch or filter modulation. The velocity knob in Envelope 2 refers to the Sustain value.

Effects
Saturation – Amount of Saturation
Input Gain – Amount of Input Gain for the Limiter

Presets
Preset/User – Switch between factory and user preset
Save – Save user presets
Rnd – Random patch generator

Saving Presets

In order to save presets to User Slots # you need to be in user preset mode (using the Preset/User switch). Tweak your patch and once you are ready click on the save button.

Now you should select the User Slot # from the list. Be careful, this will overwrite previous stored patches.

Automations

You should be able to make automations for all parameters of **TapeStation** in any DAW. Kontakt features a MIDI Learn function for all sliders and knobs. To assign a certain MIDI controller follow these steps:

- Right click the Knob you want to automate
- Select Learn MIDI CC# Automation
- Turn the knob/slider on your MIDI hardware controller

Now you should create the automation for the CC# of your controller.
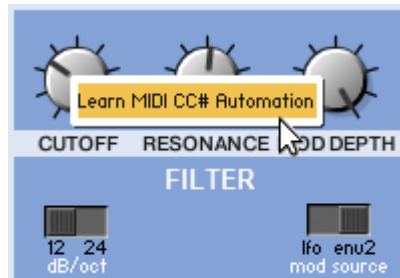
For example: if you assign the Modulation (CC1) to the Frequency Knob, you need to draw (or record) the automation for the Modulation controller. For more info, please refer to the manual of your DAW.

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