第2課:探索電子樂器

特雷門琴 (Theremins)

探索特雷門琴和基於手勢的控制。

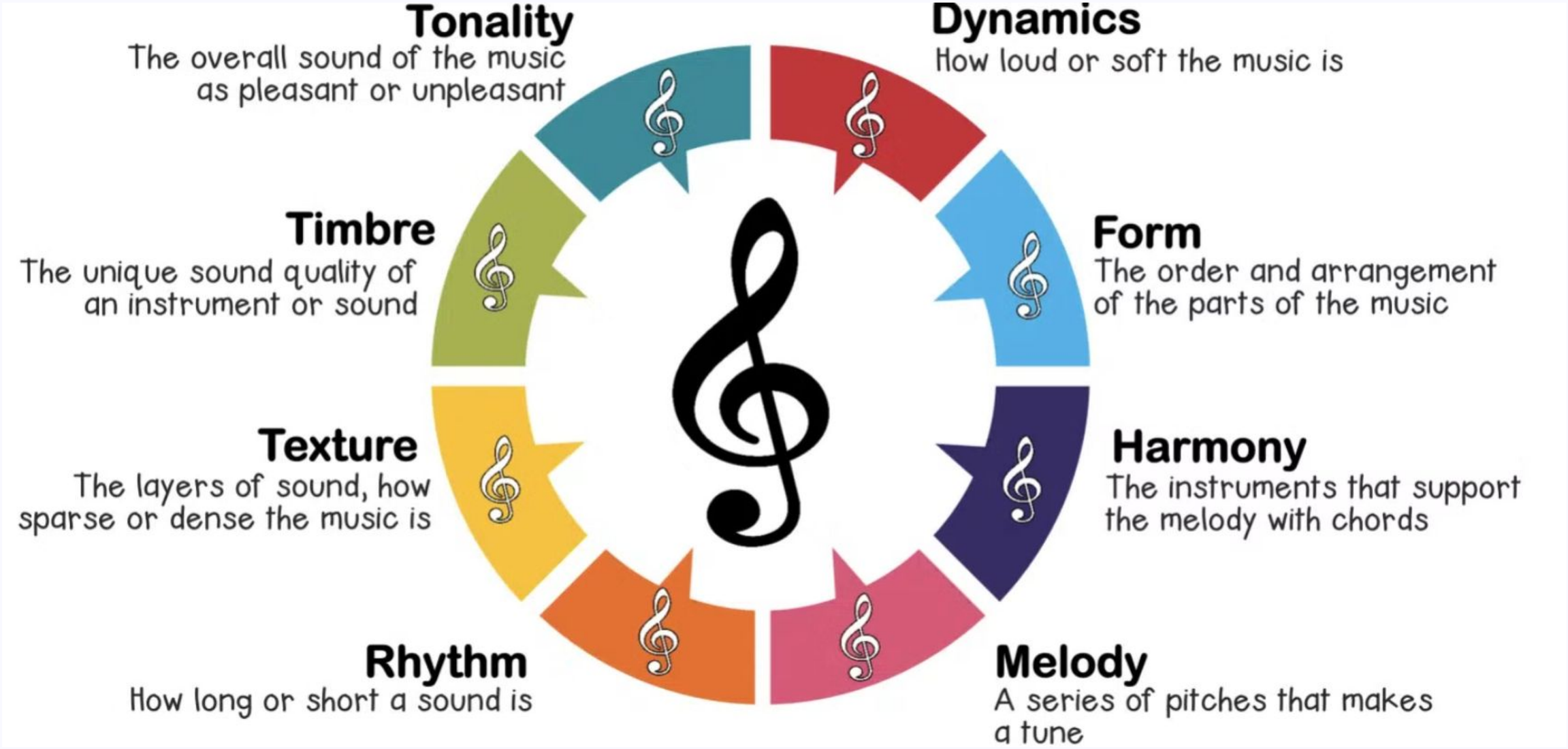
聲音

了解電子聲音產生。

YouTube

01 Music Basics - What is Music?

Music theory from the very beginning. If you want to know how to write music, want help revising for exams at school, or just interested in how music works, then this...


Tonality
The overall sound of the music as pleasant or unpleasant
Dynamics
How loud or soft the music is
Timbre
The unique sound quality of an instrument or sound
Form
The order and arrangement of the parts of the music
Texture
The layers of sound, how sparse or dense the music is
Harmony
The instruments that support the melody with chords
Rhythm
How long or short a sound is
Melody
A series of pitches that makes a tune

電子音樂/樂器的核心元素

節奏

音樂中時間的模式 - 控制音符何時播放以及持續多長時間。在電子樂器中，節奏可以通過編程或在導電表面上的觸摸模式來精確控制。

旋律

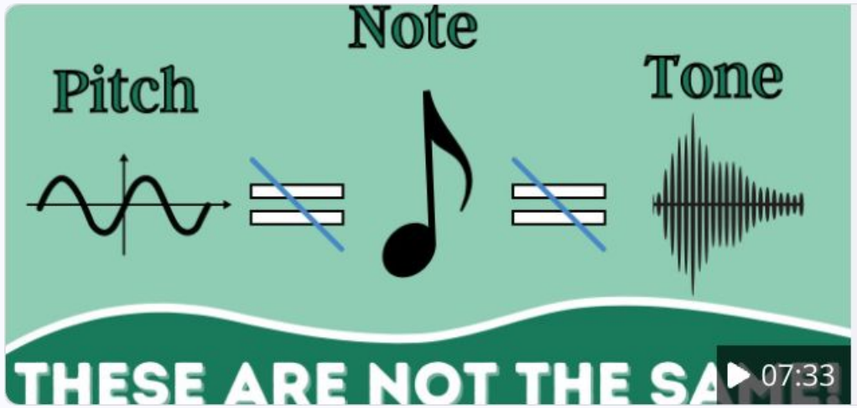
組成主要可識別主題的音符序列。“墨奏”允許不同的導電墨水圖案觸發旋律。

音色

用於區分不同樂器的聲音質量和特性。通過我們的Arduino和VS1053設置，我們可以操縱電子信號以從單一接口產生各種音色。

力度

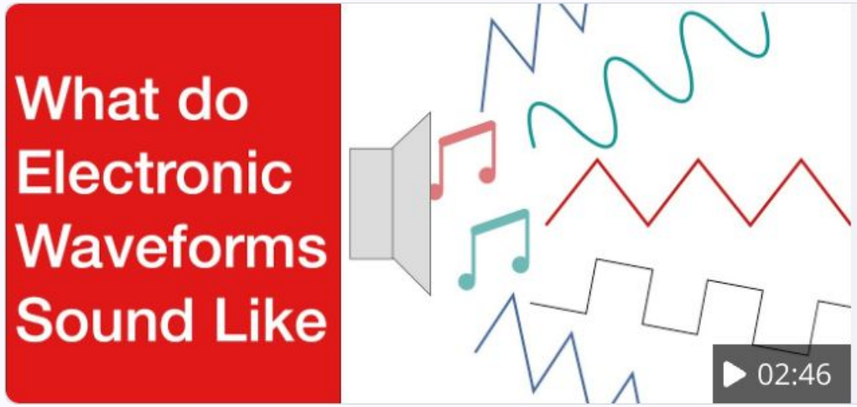
音符大聲或小聲的變化。



YouTube

The Difference Between Pitch, Note, and Tone

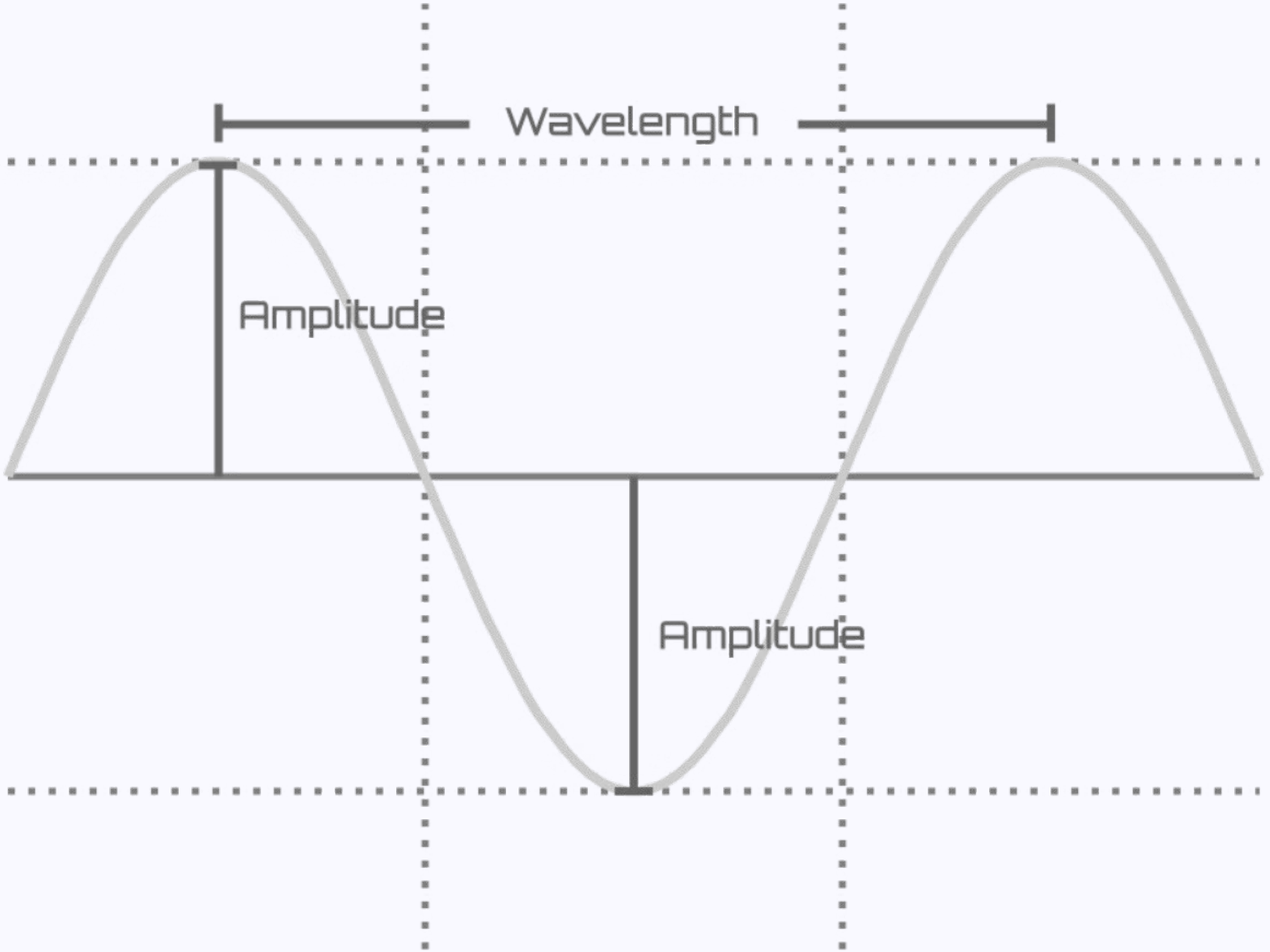
If you'd like to support my channel, consider joining on Patreon: https://shorturl.at/Tw3Mu This is episode 1 of the music fundamentals series!...

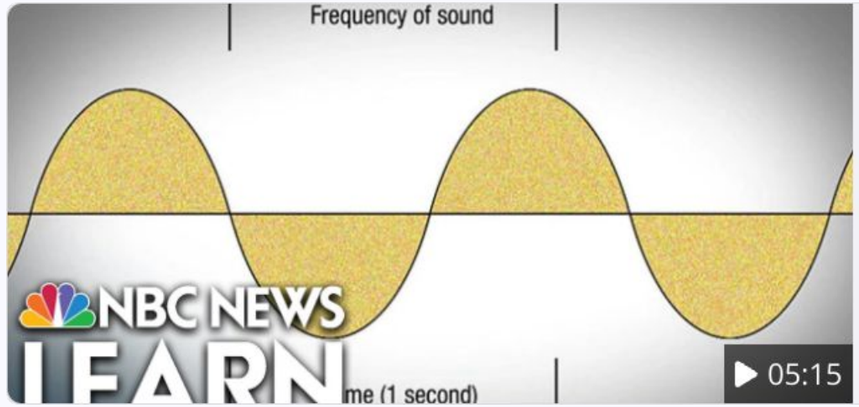


YouTube

What do Electronic Waveforms Sound Like

This video gives you the key information about common waveforms found in electronics and lets you hear what they actually sound like. The waveforms include...

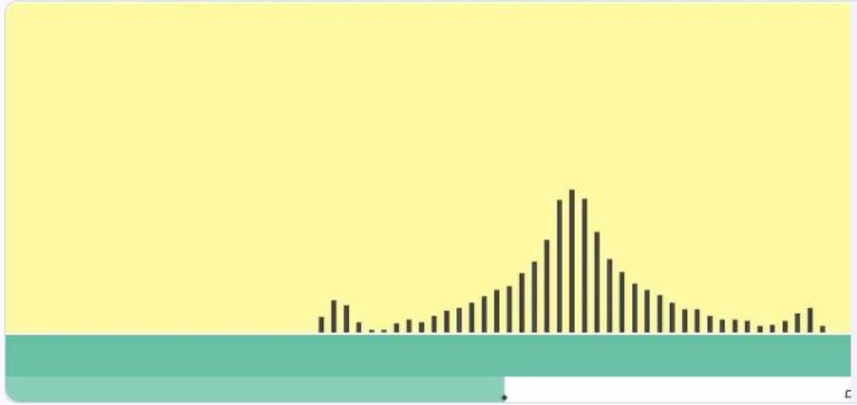

Wavelength
Amplitude
Amplitude



YouTube

Sound Waves

Sound, Sound Waves, Waves, Vibration, Matter, Vibrate, Vibration, Guitar, Singing, Song, Vocal Chord, String, Frequency, Pitch, Energy, Volume, Amplitude



davay42

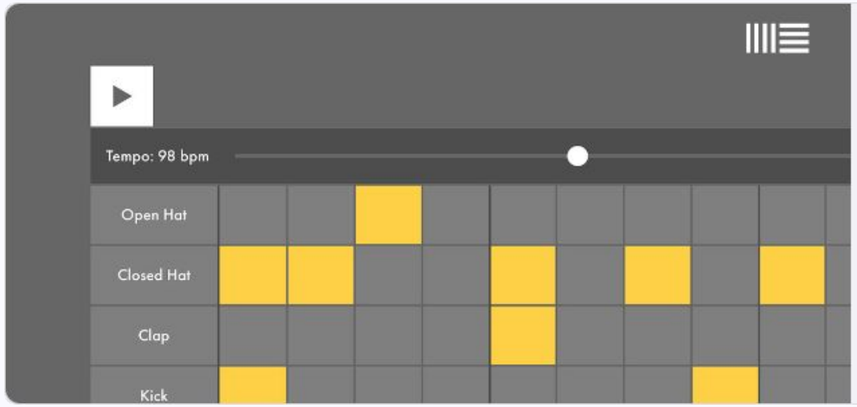
Theremin | Web Synths Collection by Playtronica & Chromatone

Experience the magic of the theremin with this interactive web-app by Femur Design. Harness the power of motion to create ethereal music without physical...

RolandGlobal

Roland50.studio

Emulate the sound of Roland's most famous and influential musical instruments from Yuri Suzuki and Roland.



learningmusic.ableton.com

Get started | Learning Music

Explore the fundamentals of music via Ableton's interactive website. Experiment with beats, melody, harmony, basslines, and song structure in your web browser.

YouTube

Sounds of a Glass Armonica

Composer William Zeitler plays a glass armonica, invented by Benjamin Franklin in 1761. For more on this fascinating story read the full article here on the Toronto...

YouTube

Я сделал Ambient Box на основе EBow | I made an Ambient Box bas...

Взял за основу принцип работы EBow и создал Ambient/Drone Box I took the principle of EBow and created an Ambient/Drone Box based on it

YouTube

KontinuumLAB WORKSHOPS: Recorder MIDI Controller.

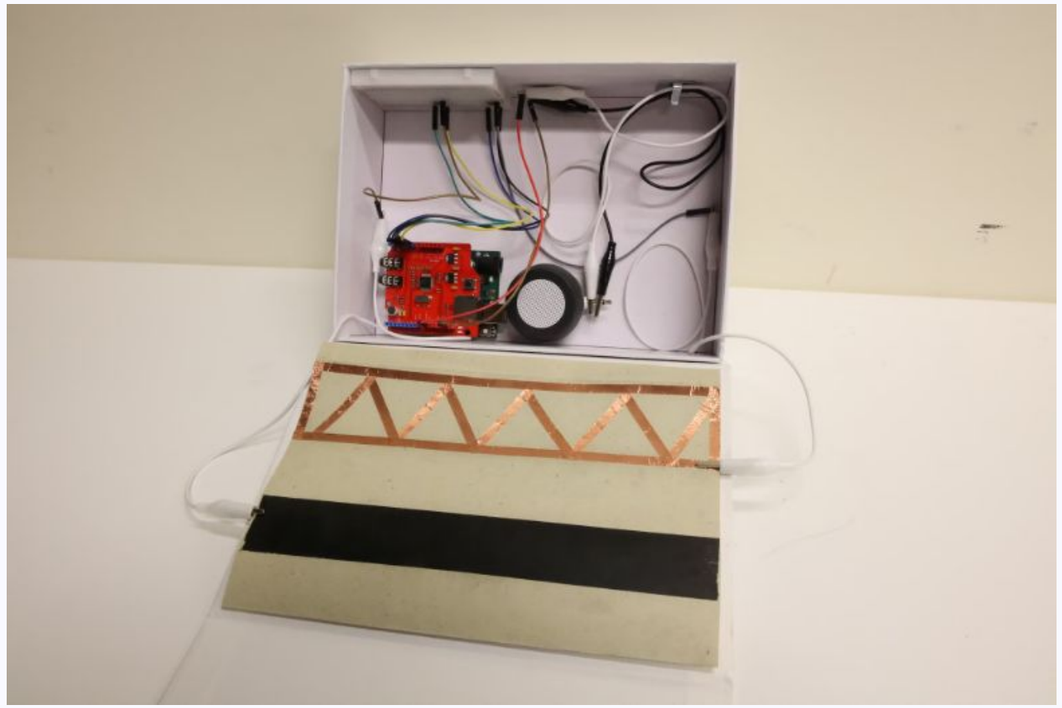
In this video tutorial I show you how to make a recorder type MIDI controller from corrugated cardboard and other cheap materials and components. This is one of t...

YouTube

Noise Box 5 - experimental music instrument

Wooden noise box instrument (#5 of my collection). Perfect for film scoring, experimental music, or just improvising with friends. Reverb tank has an output, a...

YouTube

10 Years of the Korg Volca Keys

April 2023 marks ten years since Korg's Volca Keys debuted. Chris Cline revists the popular synth to go over the features and sounds that have made it such a popula...