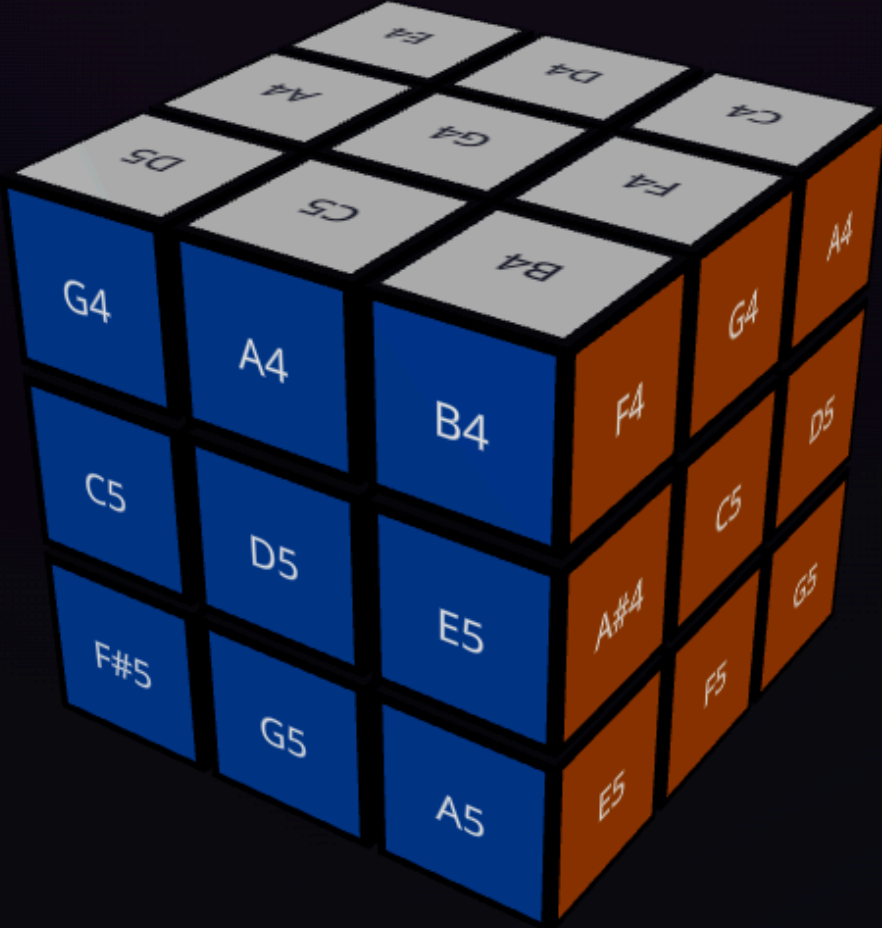


Cube Harmonic

A web app by Maria Mannone



Click on
a facet
to play a
note

🔧 Solve

Front Back Up Down Right Left

🔄 🔄 🔄 🔄 🔄 🔄 🔄 🔄 🔄 🔄 🔄 🔄

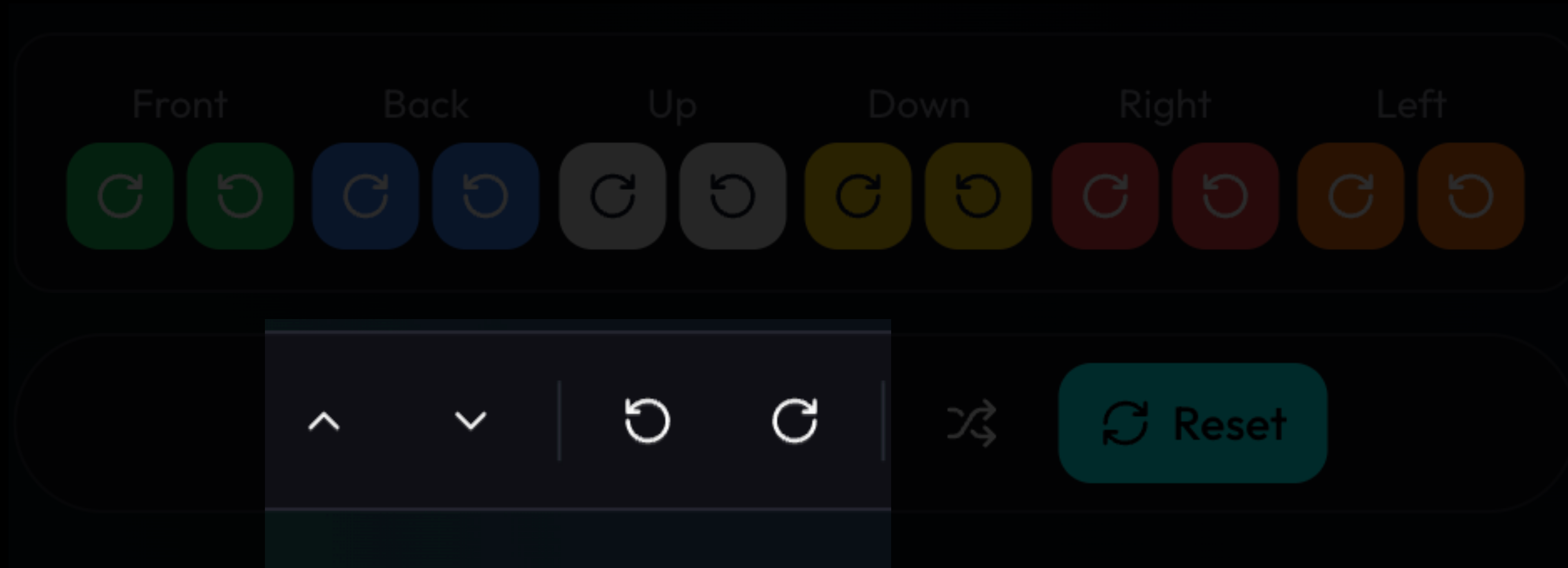
^ v ↺ ↻ ⚡ 🔴 Reset

Front Back Up Down Right Left

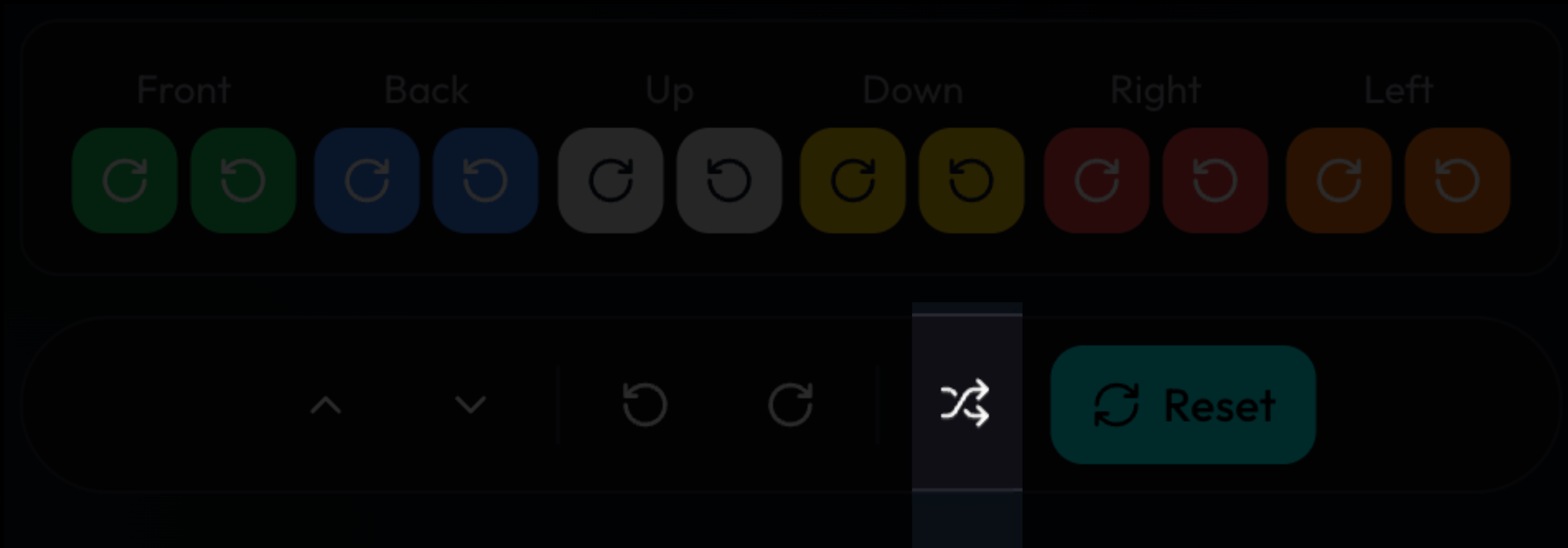
A row of 12 colored buttons for cube face rotations. The buttons are arranged in pairs for each face: Front (green), Back (blue), Up (white), Down (yellow), Right (red), and Left (orange). Each pair consists of a clockwise rotation button (with a right-pointing arrow) and a counter-clockwise rotation button (with a left-pointing arrow).

A control panel with a vertical axis (up and down arrows), two rotation buttons (clockwise and counter-clockwise), a scramble button (with a crossed arrows icon), and a Reset button (with a circular arrow icon and the text "Reset").

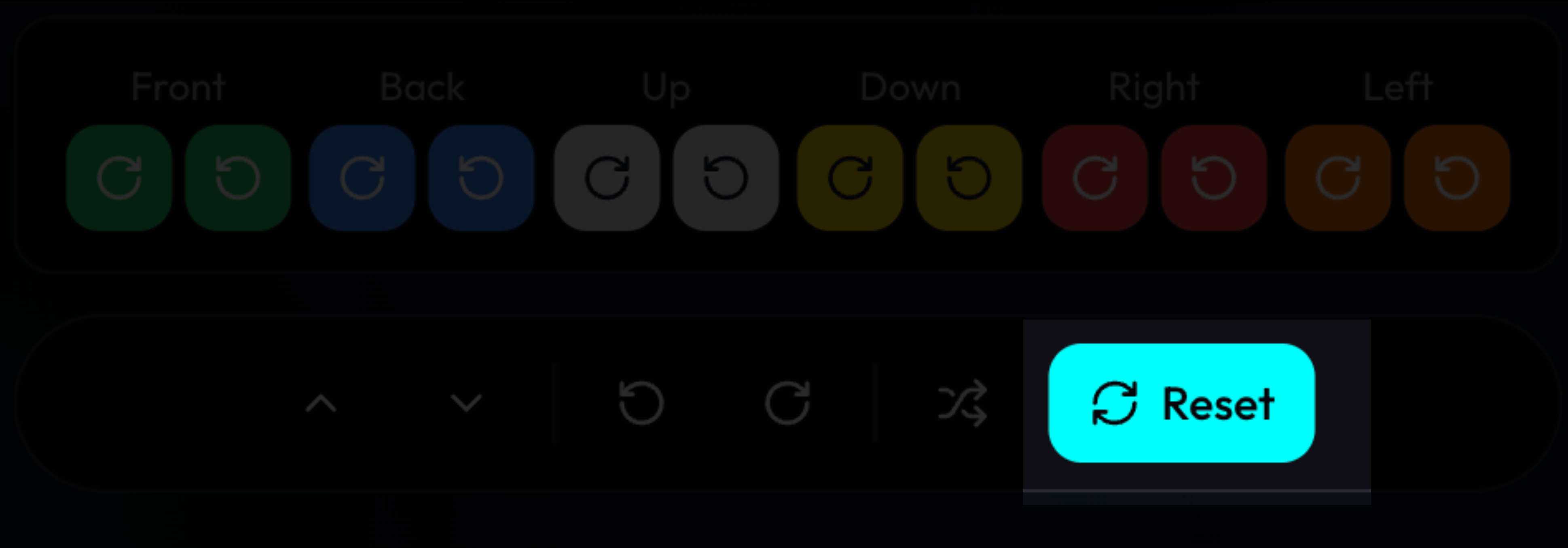
Scramble the cube



Rotate the overall cube
without twisting the faces

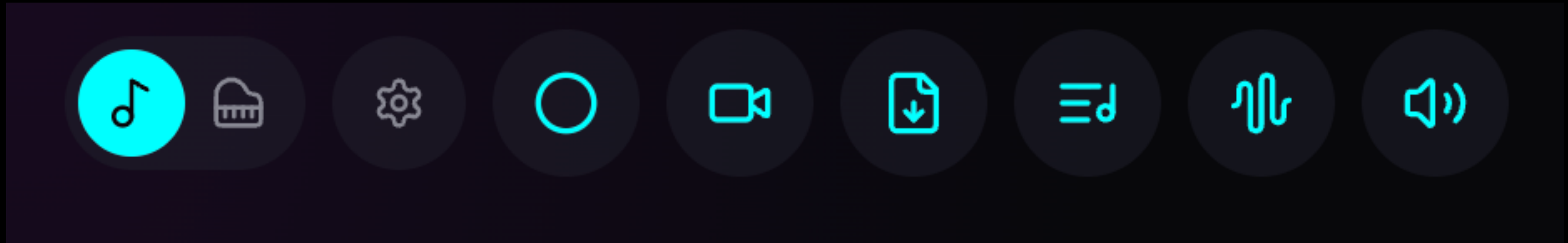


Mix overall



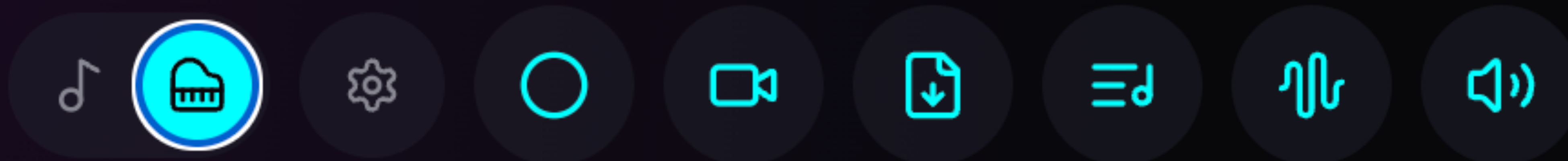
Reset to the
unscrambled
position

Click on the cube and play single tones





Play arpeggiation of the first row
(or column if rotated)



Choose tuning or customize pitches



Pitch Settings ✕

Scale Tuning Custom Pitches

Base Octave 4

Scale Type

Major Minor

Pentatonic Blues

Chromatic

Pitch Settings ✕

Scale Tuning Custom Pitches

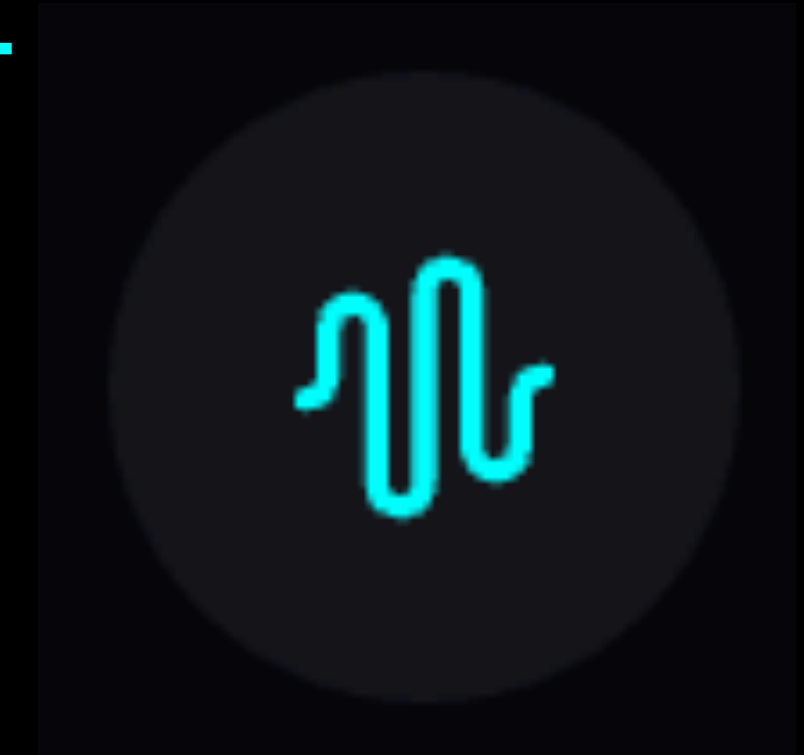
Choose a pitch for each of the 9 stickers.

Face

Up (White) ▾

1	2	3
C4 ▾	D4 ▾	E4 ▾
4	5	6
F4 ▾	G4 ▾	A4 ▾
7	8	9
B4 ▾	C5 ▾	D5 ▾

Choose the waveform or pre-set complex sounds



Instrument

Synth Vibraphone

E. Piano Bell

Organ

Waveform

Sine Triangle

Sawtooth Square

Envelope

Attack 0.05

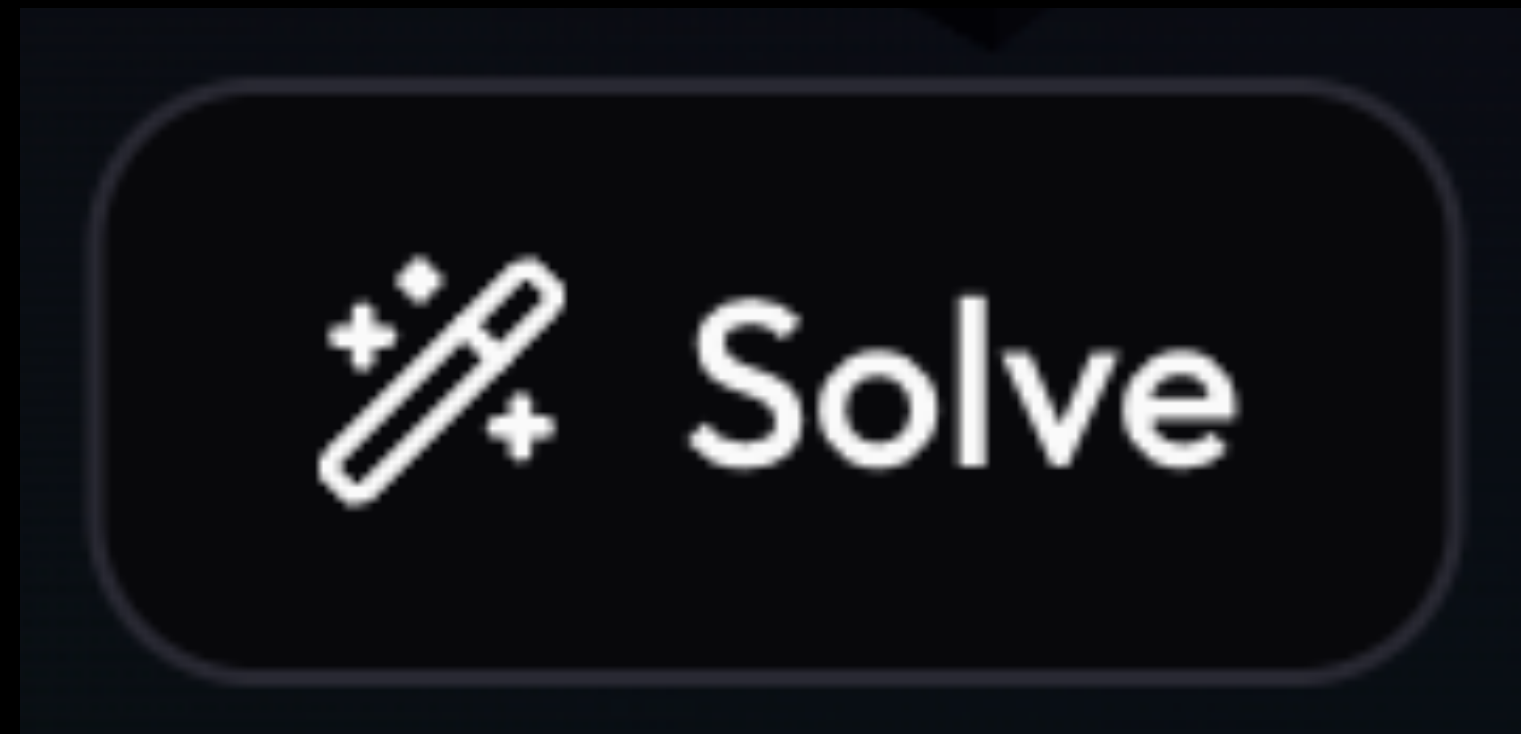
Decay 0.40

Sustain 0.15

Release 2.00

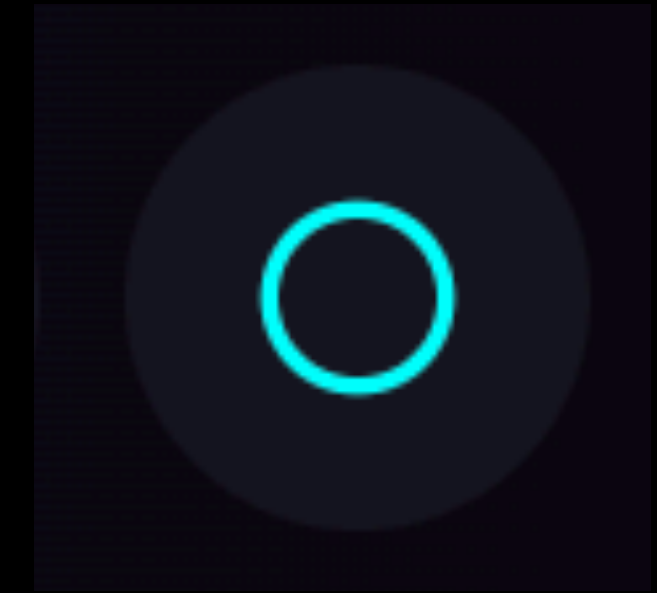
with ADSR
envelope sliders
(Attack, Decay,
Sustain, Release)
alongside the
waveform selector

Auto-solve and play the arpeggiations



One move after the other

Record audio (.wav)



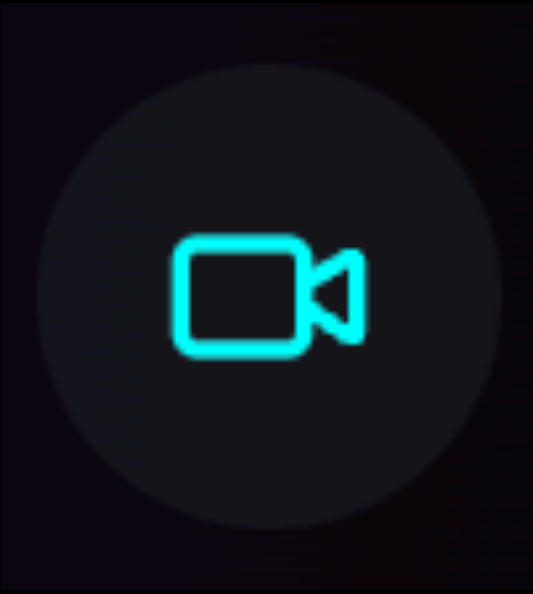
Click to
start,
click
again to
stop

Audio Recording

Record your cube performance and export as audio.



Record video .webm



Video Recording

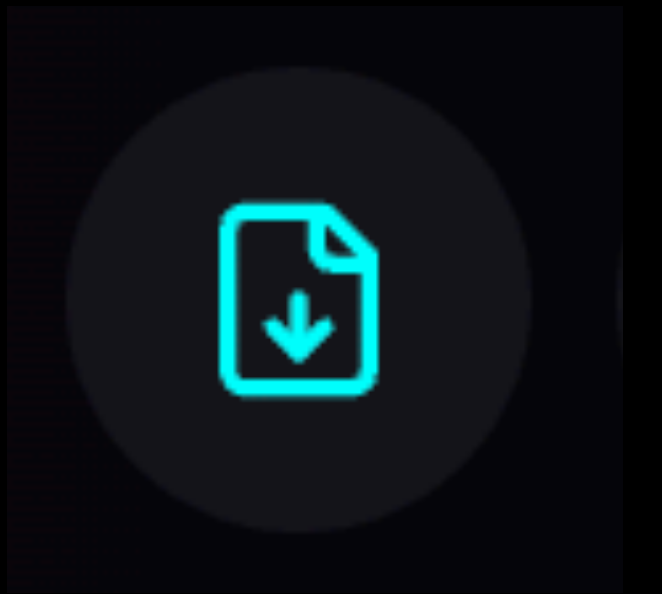
Record your cube performance with video and audio.



✓ Video ready to download
(.webm)

Click to
start,
click
again to
stop

Export list of notes and rotations (.json)...



Score Export

Export all played pitches, facet touches, and cube rotations as JSON.

4 events recorded

 **JSON**  **MIDI** 

...or a MIDI file

Play a sequence of given notes, give durations, pauses, and add rotations

F = front,
U = up,
T = top,
D = down,
B = buttom

F', U', ...:
counterclockwise

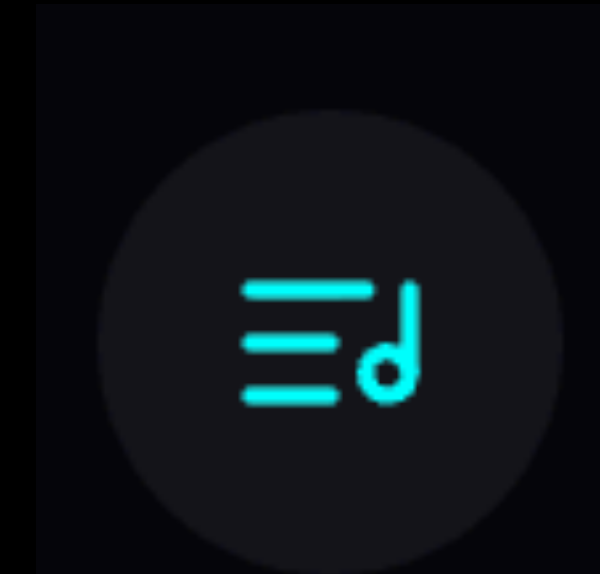
Play Note Sequence

Notes, silences & rotations

```
[C4, 4], [, 2], D4, E4, F4, G4, A4, B4, C5
```

8 note(s), 1 rest(s), 0 rotation(s) • [note, beats] for duration • [, beats] for silence • F B U D R L / ' for rotations

Tempo: 300 BPM (200ms per beat)



customise PlayNote Sequence
→ close the box
→ Video Record → Open again
PlayNoteSequence → hit play → Close
the box → Hit Play
→ end recording after the end of the
piece, and save the file

Happy playing!

The app is free, but if you liked it,
please support my creative activity