

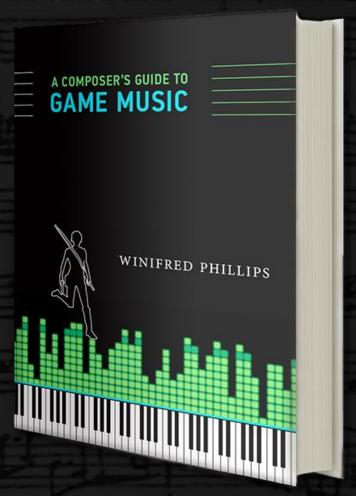
Advanced Composition Techniques for Adaptive Systems

Speaker Name: Winifred Phillips
Twitter: @winphillips
Facebook.com/winifredphillips

GAME DEVELOPERS CONFERENCE

MOSCONE CENTER · SAN FRANCISCO, CA MARCH 2-6, 2015 · EXPO: MARCH 4-6, 2015

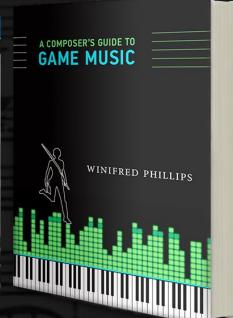
WINIFRED PHILLIPS



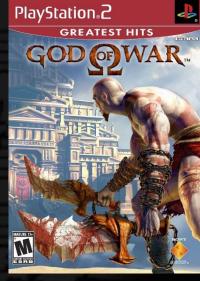
DAVINCI CODE

WINIFRED PHILLIPS

























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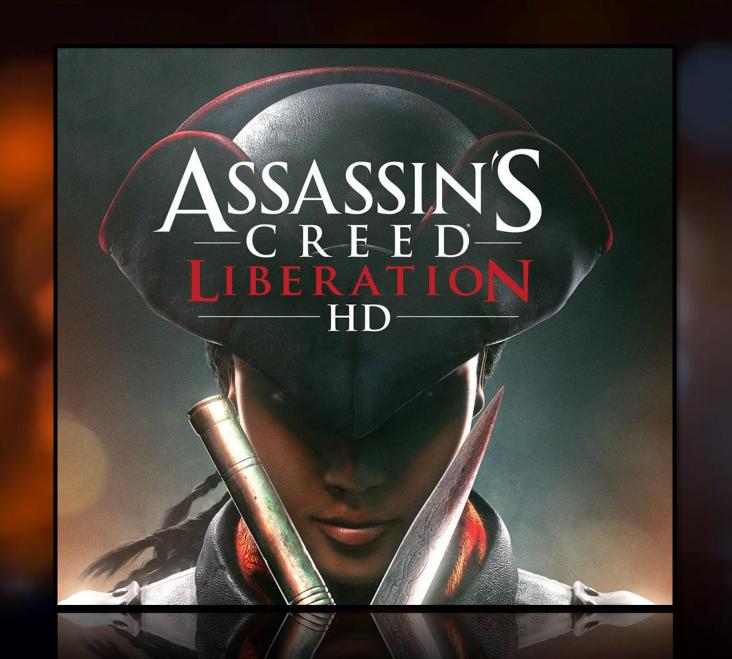




✓ crossing the road – moderate tempo

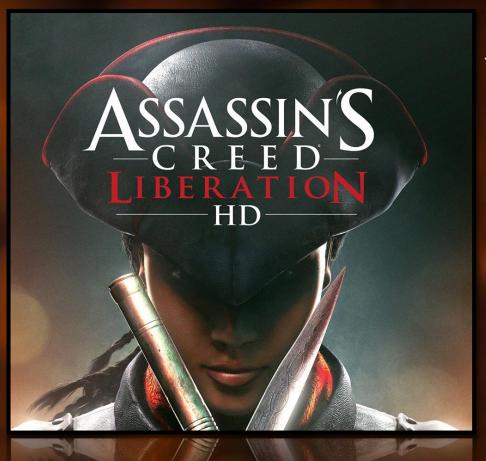


- V crossing the road moderate tempo
- √ Crossing the river faster tempo

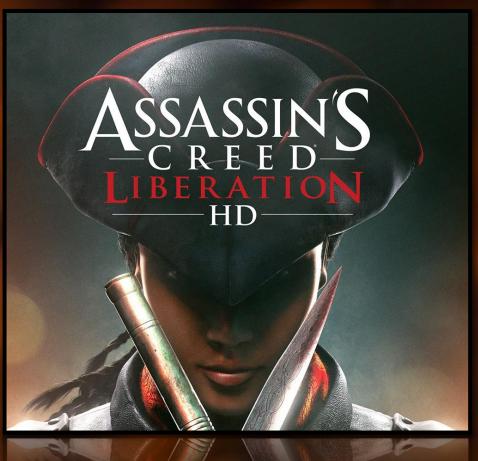








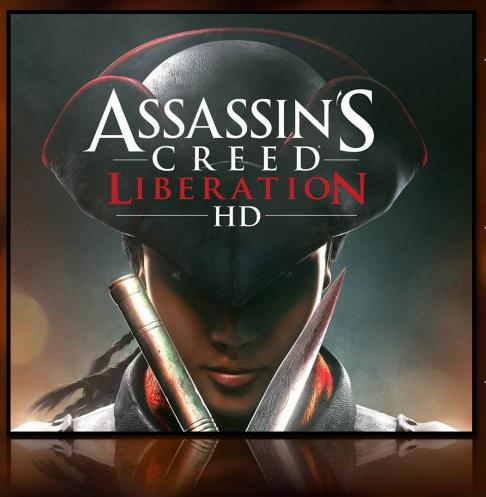
EXPLORATIONMODERATE TEMPO



✓ EXPLORATION

MODERATE TEMPO

✓ ROWING ON THE RIVER FASTER TEMPO



✓ EXPLORATION

MODERATE TEMPO

✓ ROWING ON THE RIVER FASTER TEMPO

✓ TRIGGERS MAKE THE MUSIC INTERACTIVE

IT'S ALL UP TO THE PLAYER







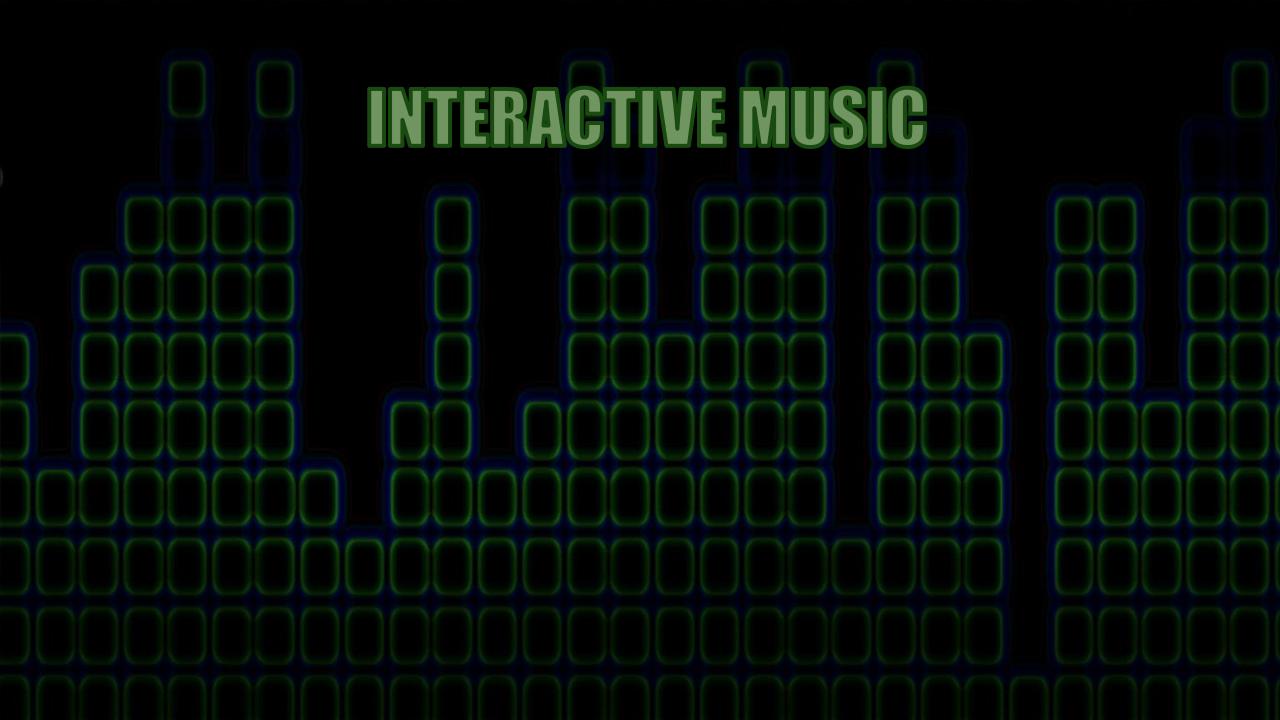




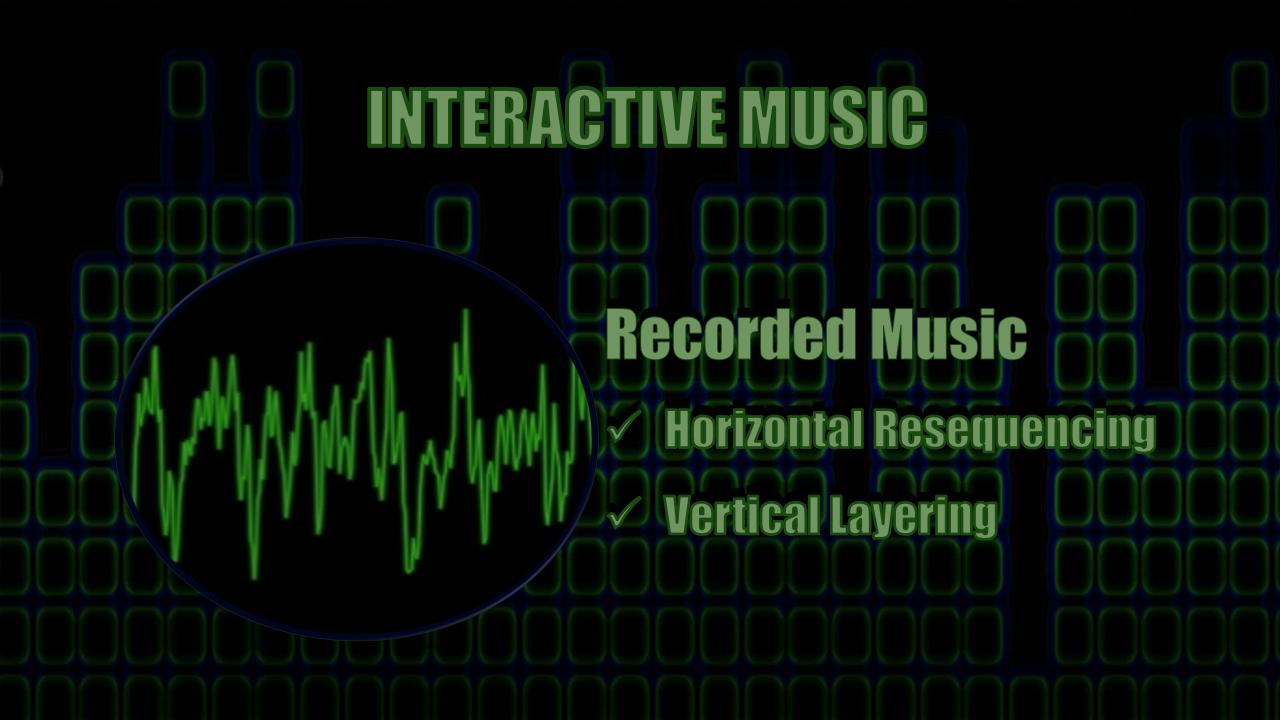


FUNCTIONS

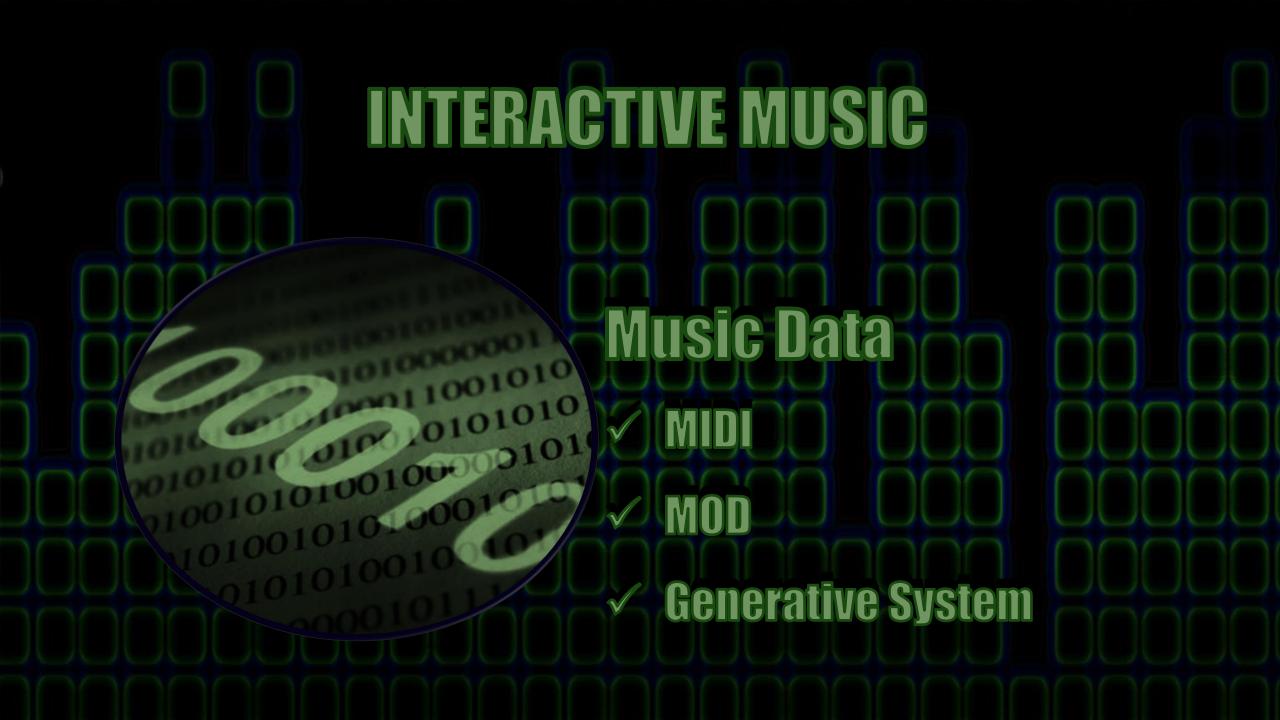


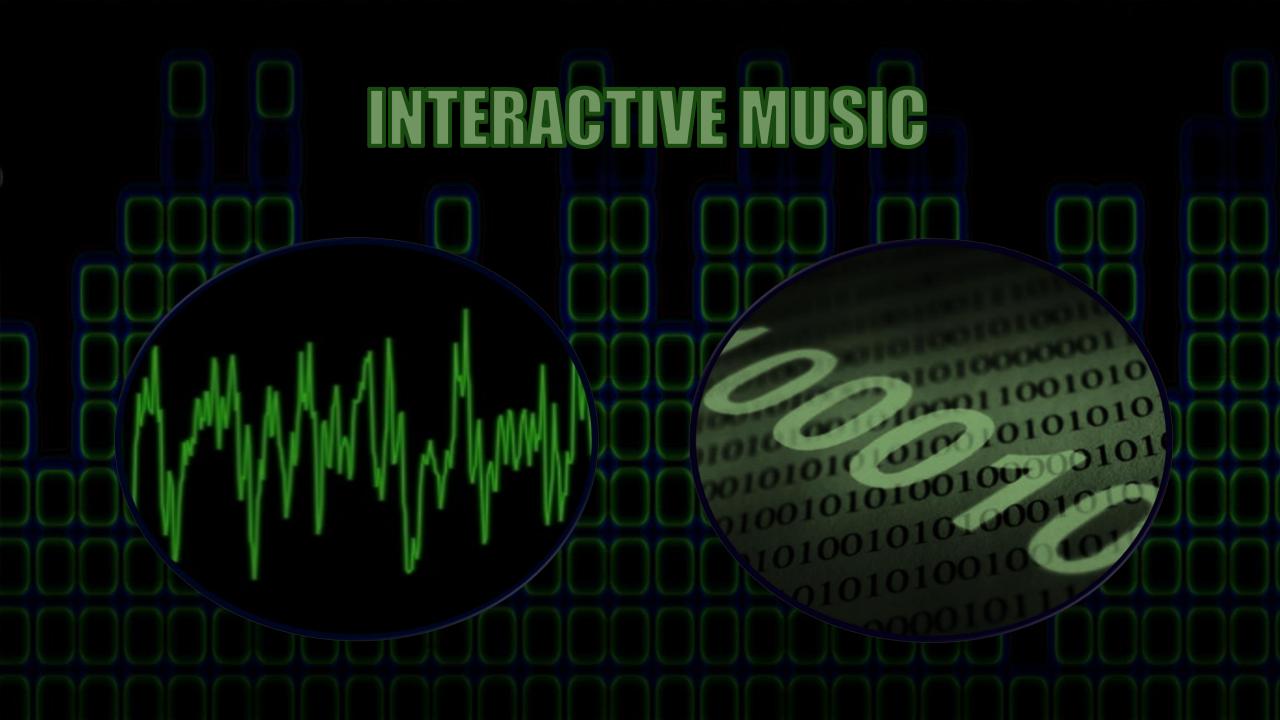


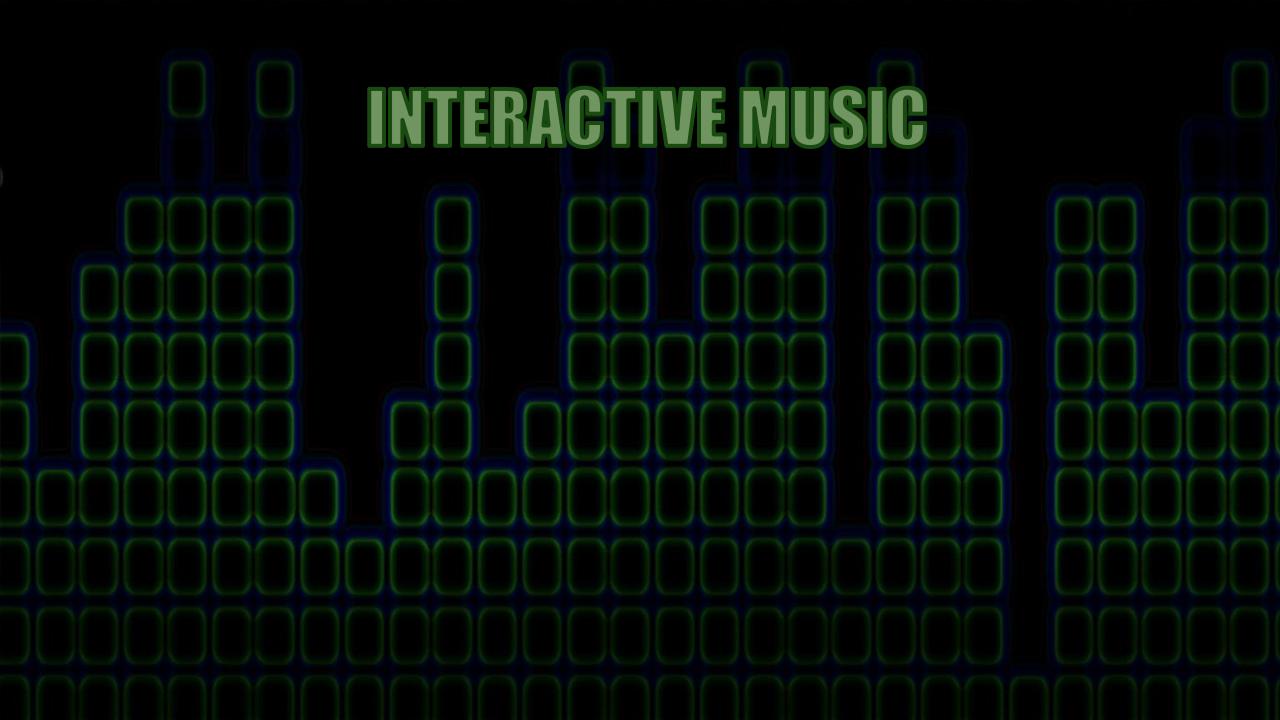






























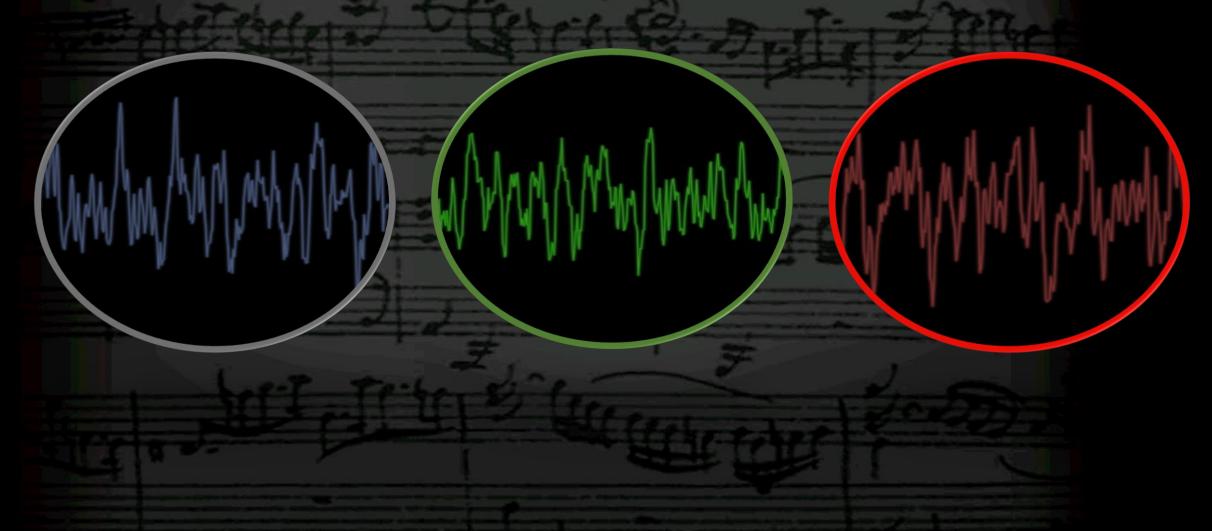


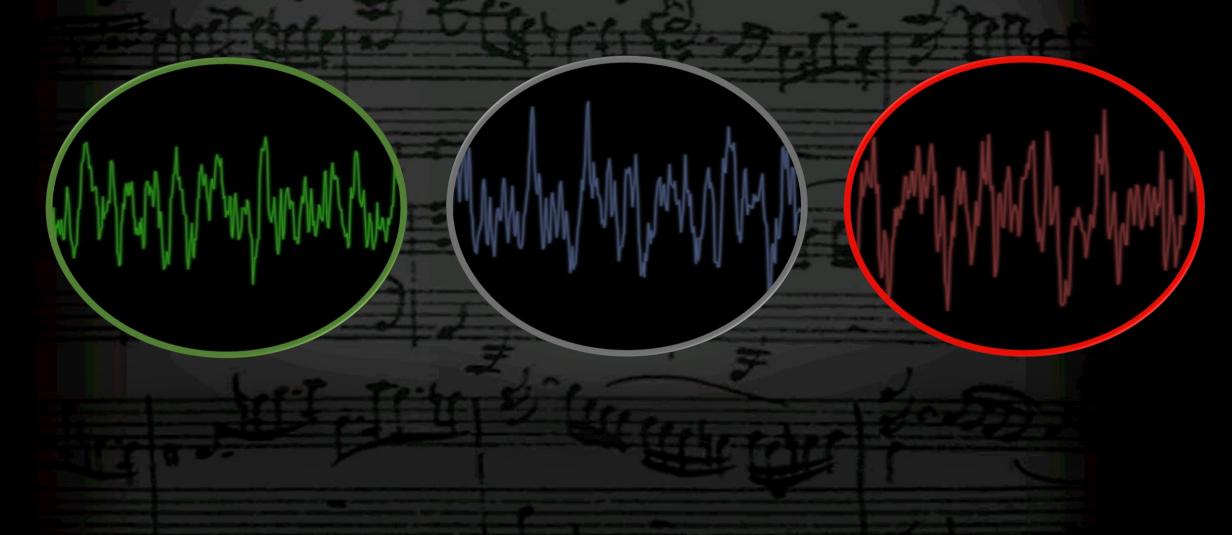


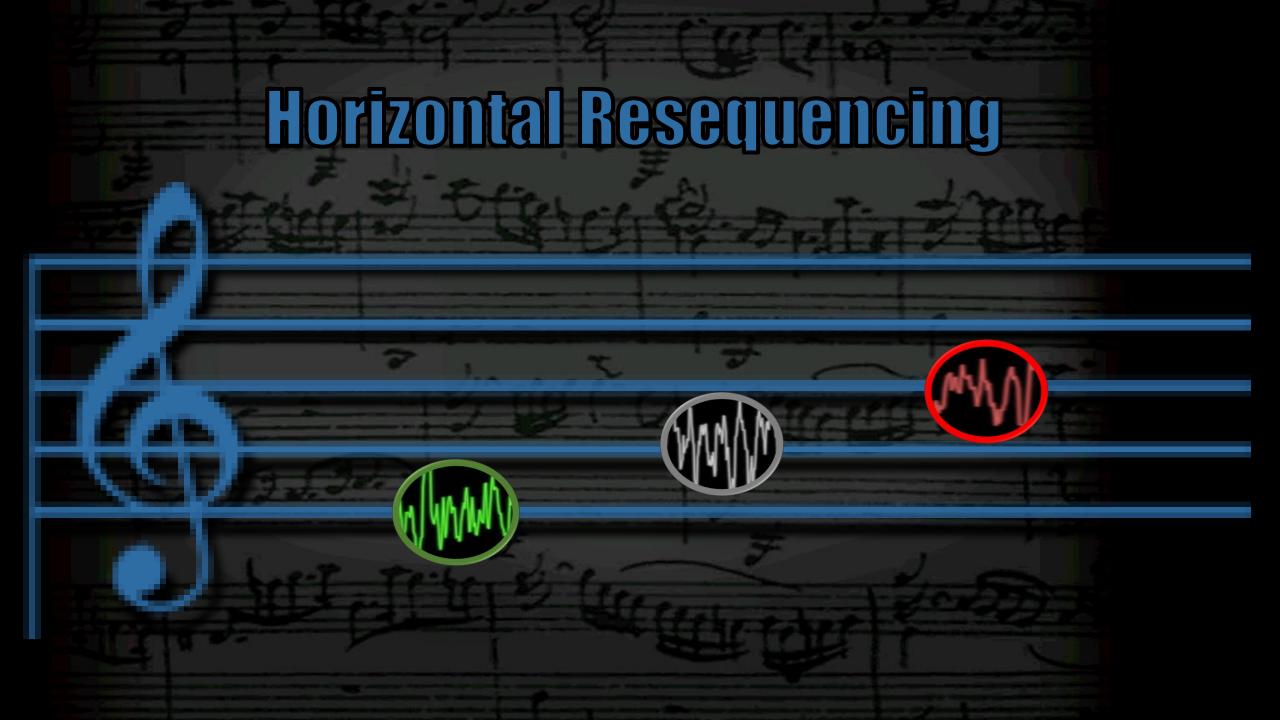
INTERACTIVE MUSIC

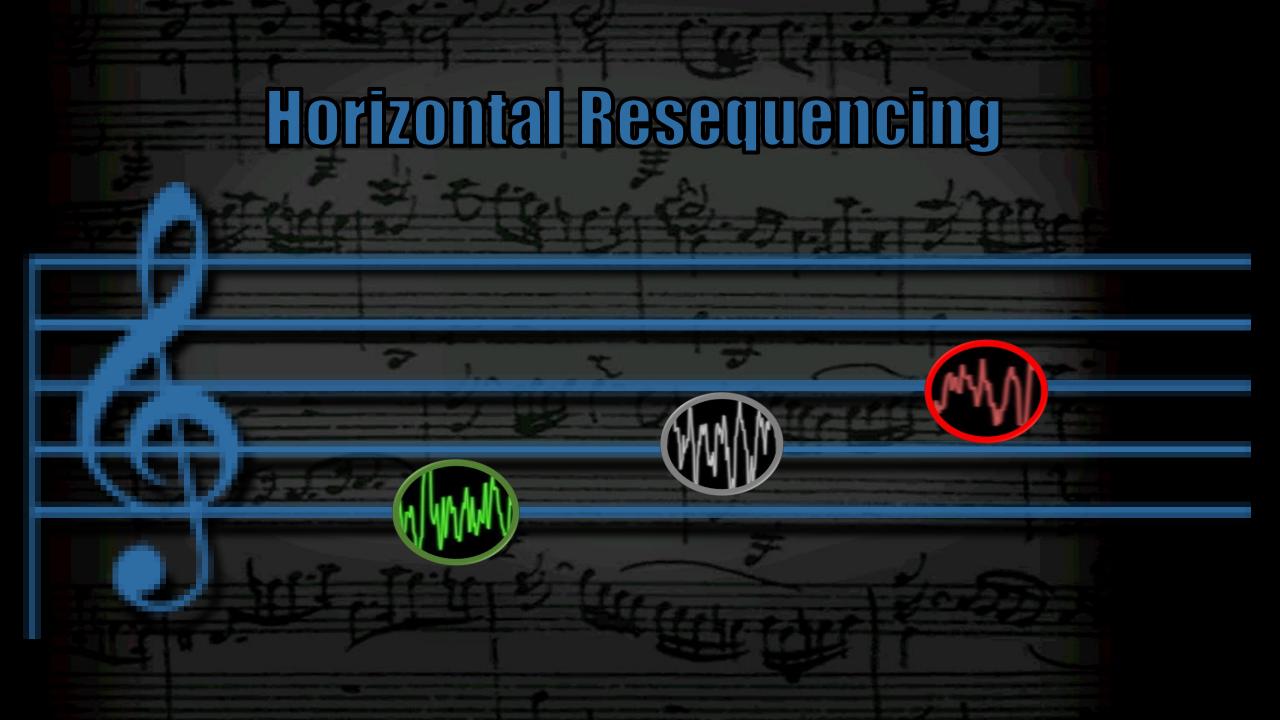


Recorded Music































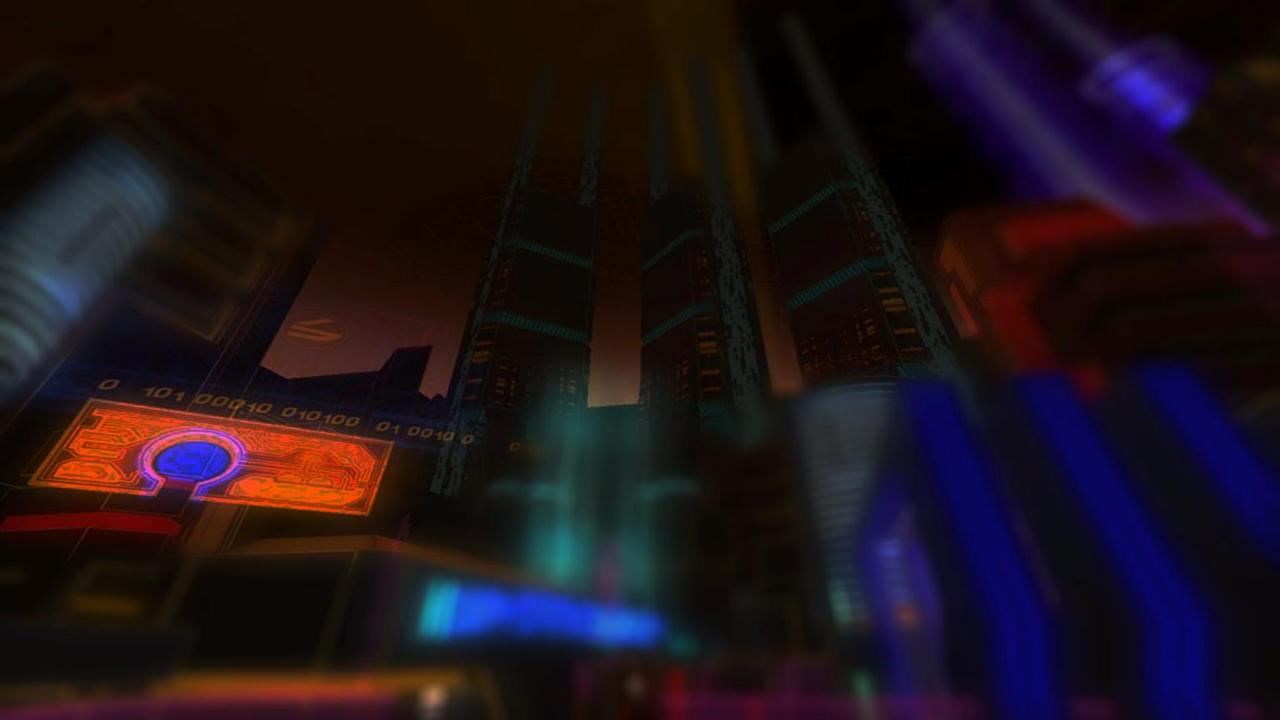


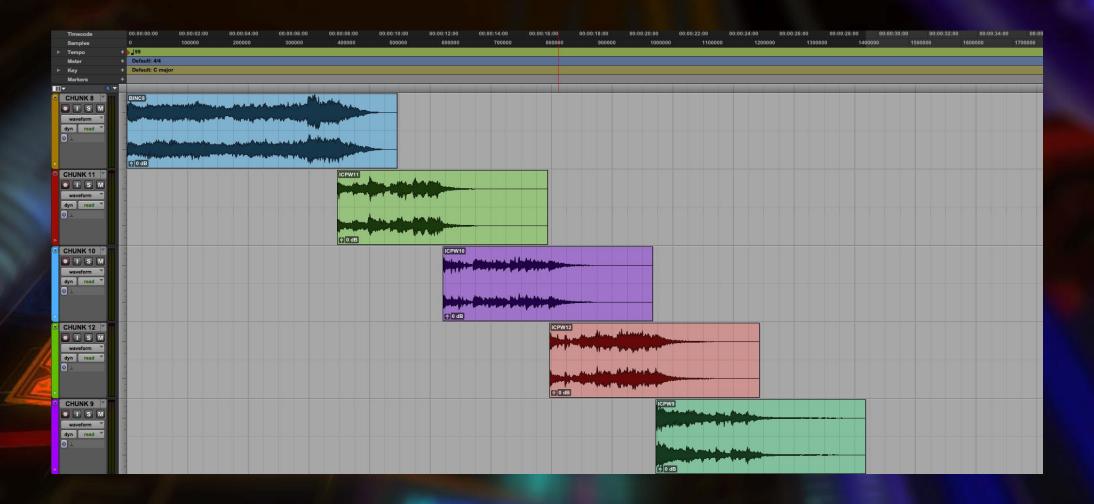




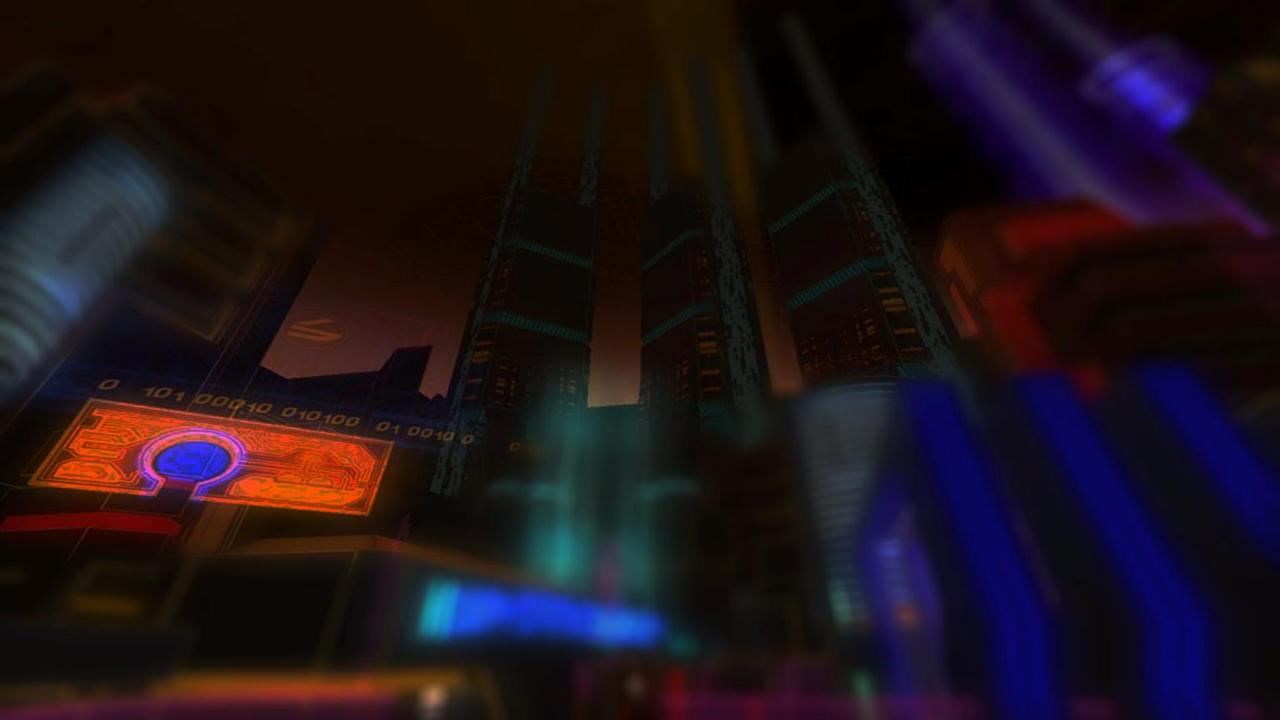








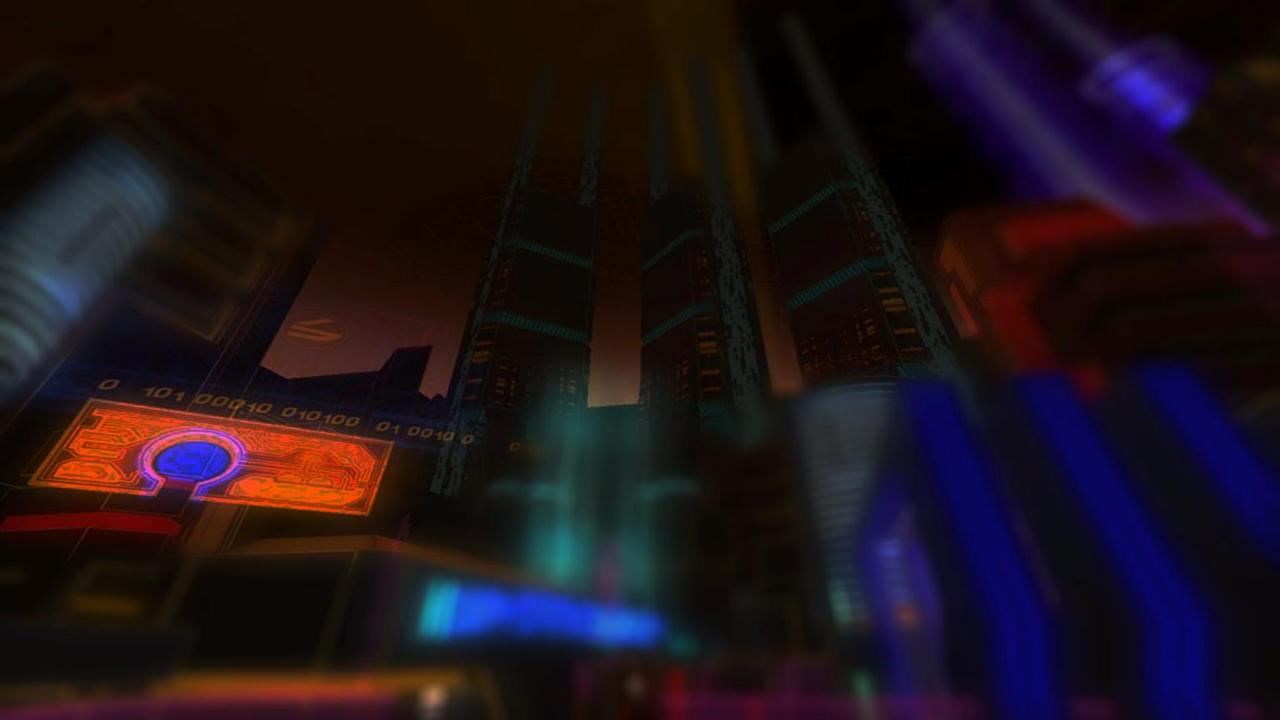












AUTO AUTO AUTO AUTO AUTO AUTO AUTO auto read auto read auto read auto read auto touch auto touch auto read no group ₹100 • • • S M S M S S M S М S M S М 12 : 15-20 -20 -20 -25 -25 -25 -30 -30 -35 -35 -35 -40 -40 -50 -50 -+3.4 +4.4 -3.4 -3.4 +1.4 +6.0 +5.4

Mixing



Mixing

Consistent volume

Smooth transitions

Horizontal Resequencing

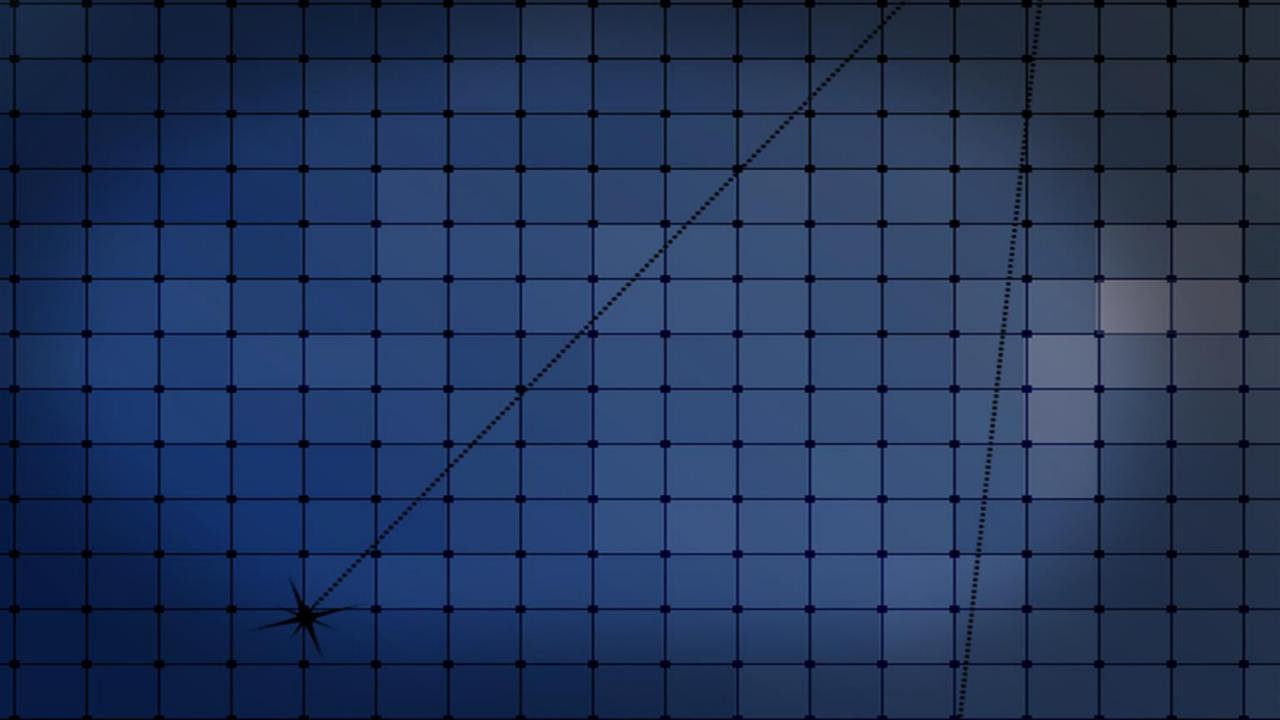






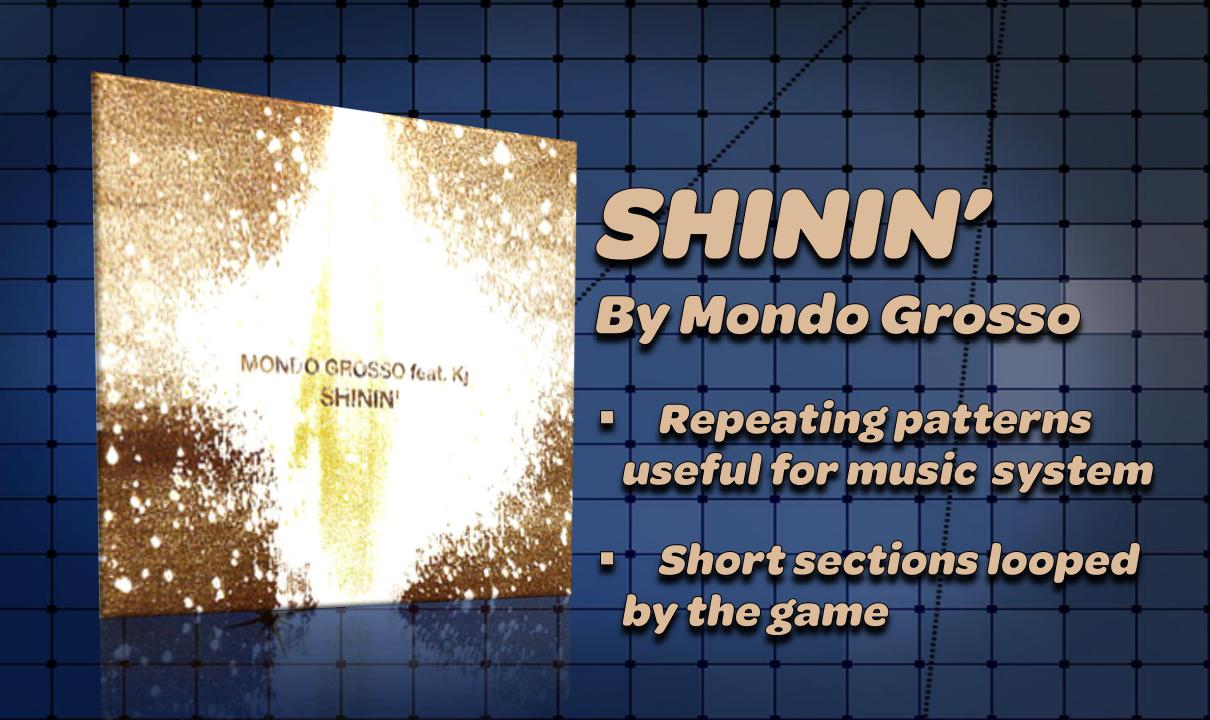


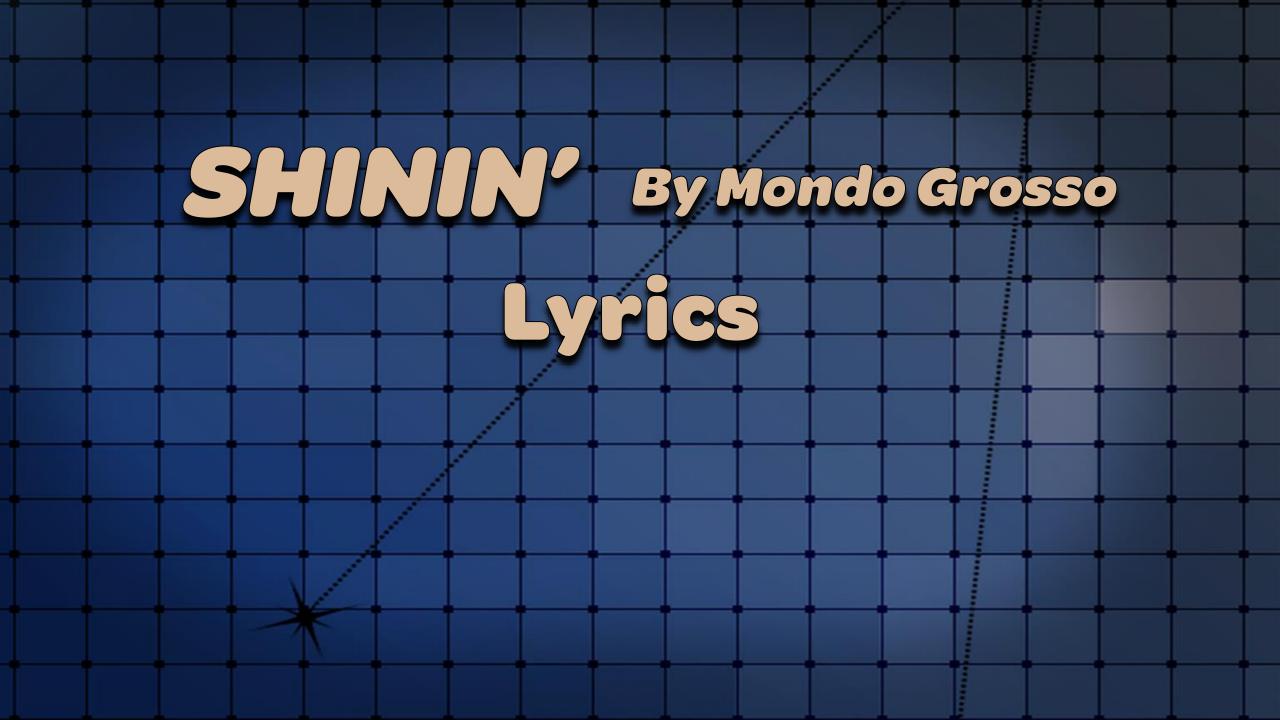






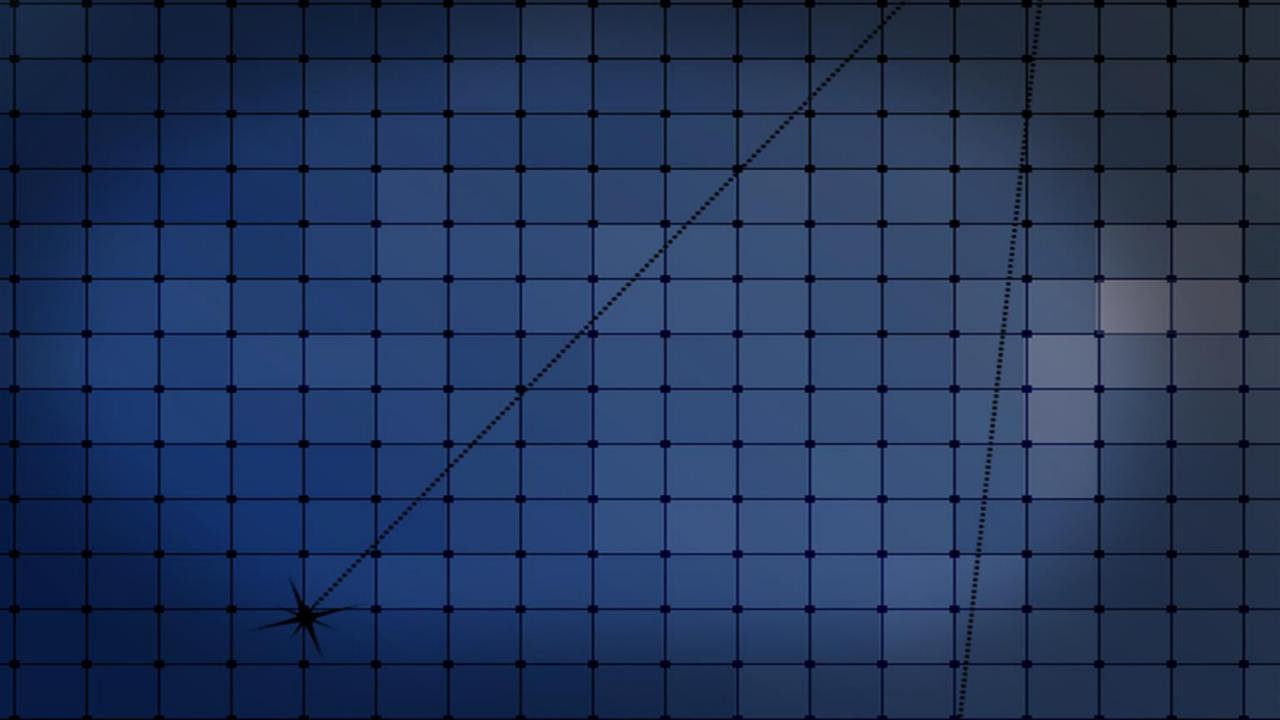




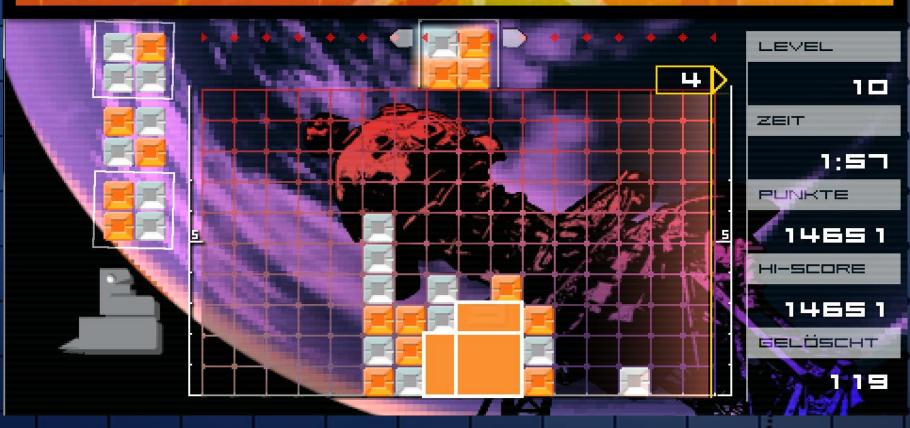


SHININ' By Mondo Grosso "Morid of Silence Creepin' Sightless Time"

SHININ' By Mondo Grosso "Port of Sadiness," Sleepin' Flightless Mind"

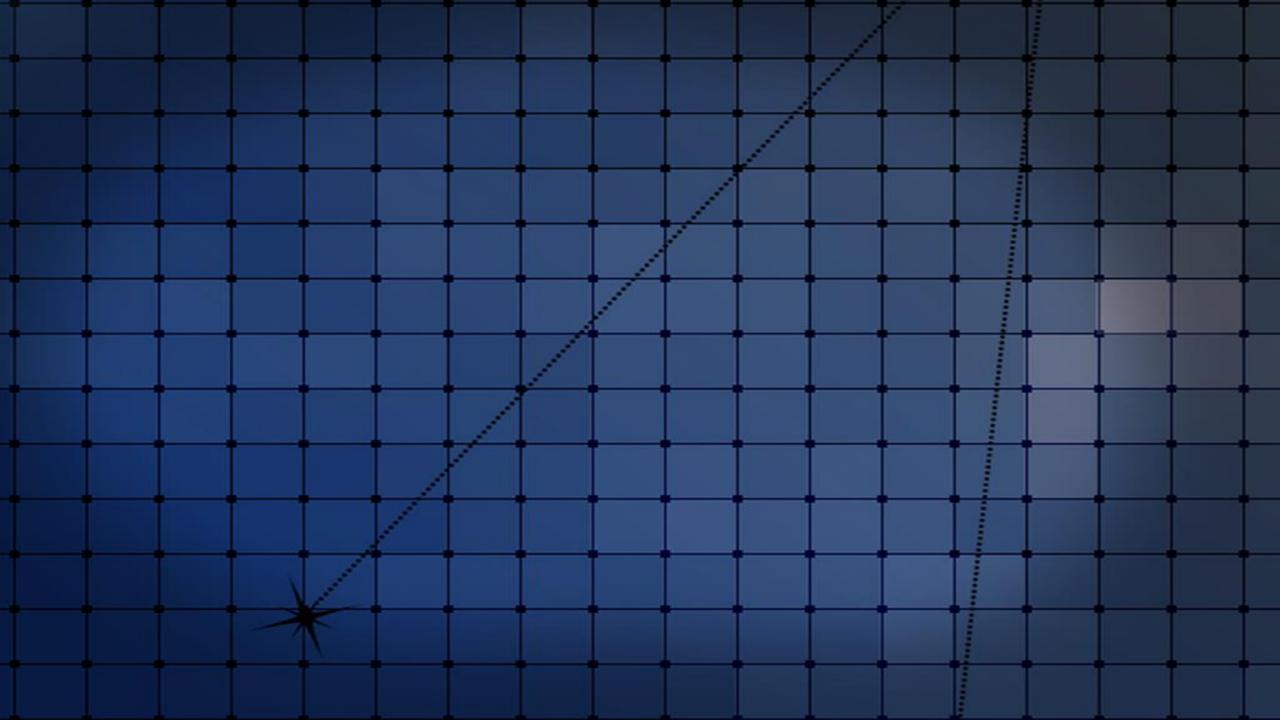


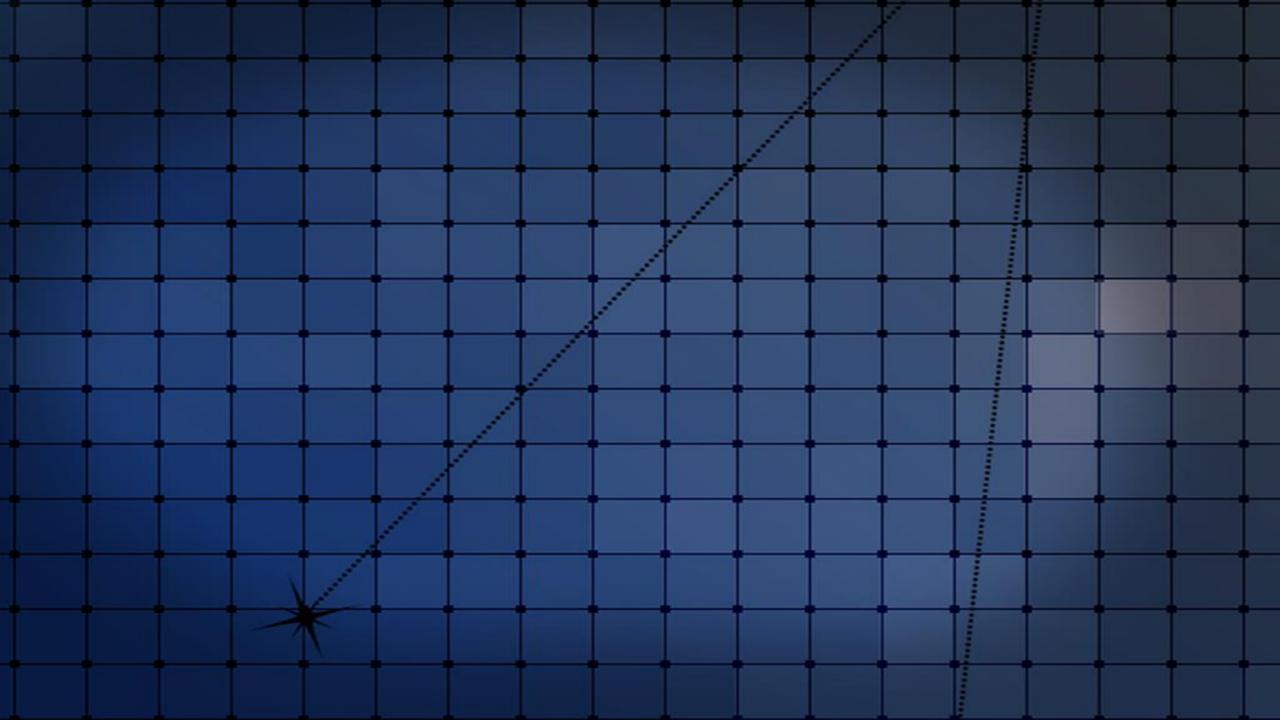
PUZZLE FUSION

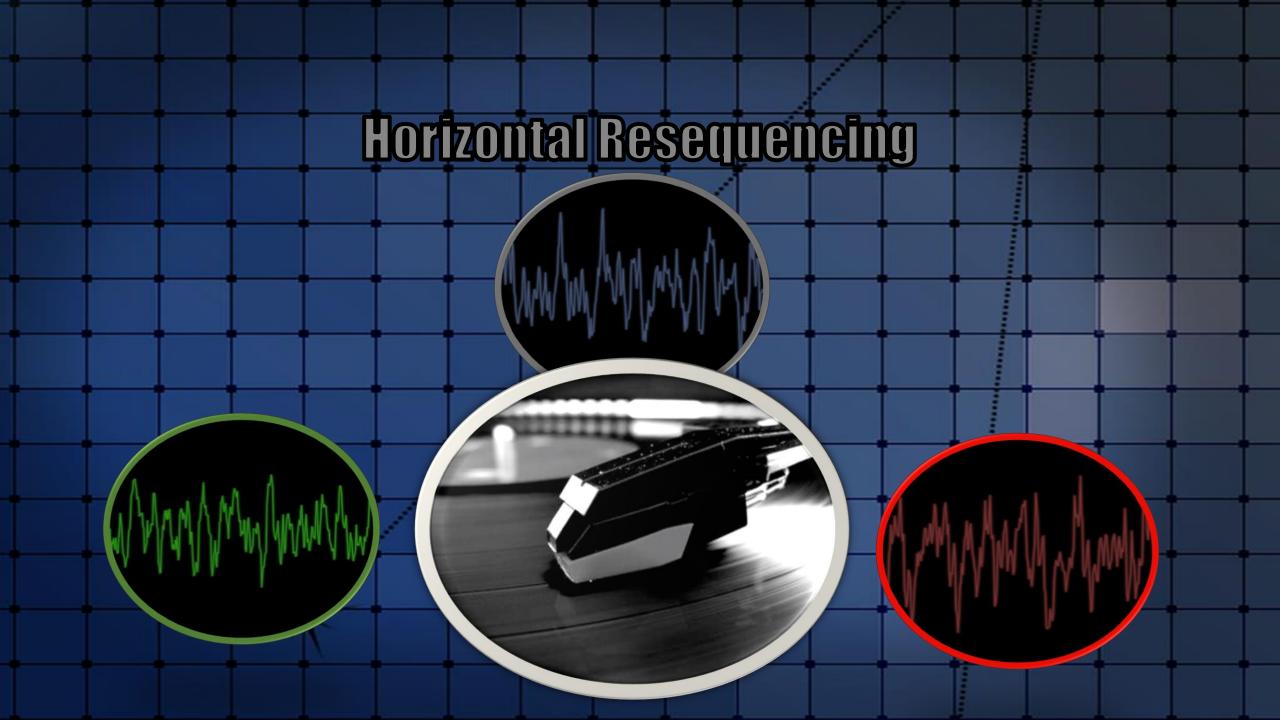


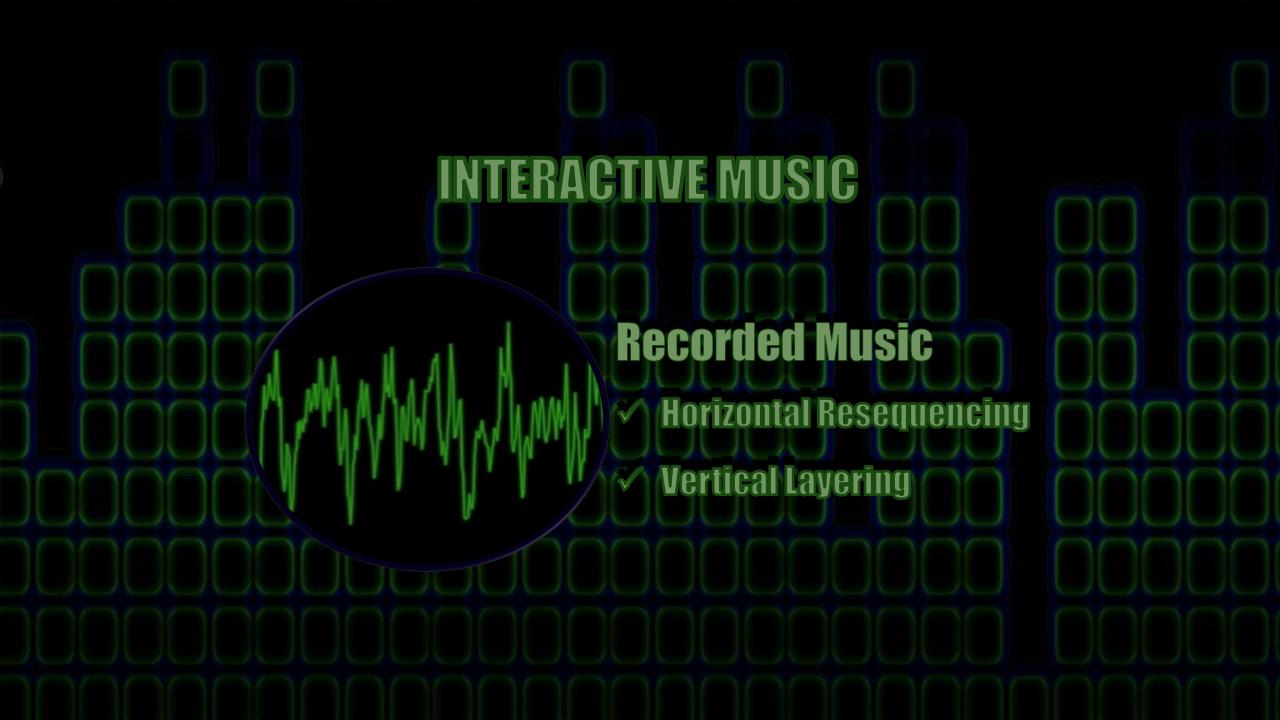


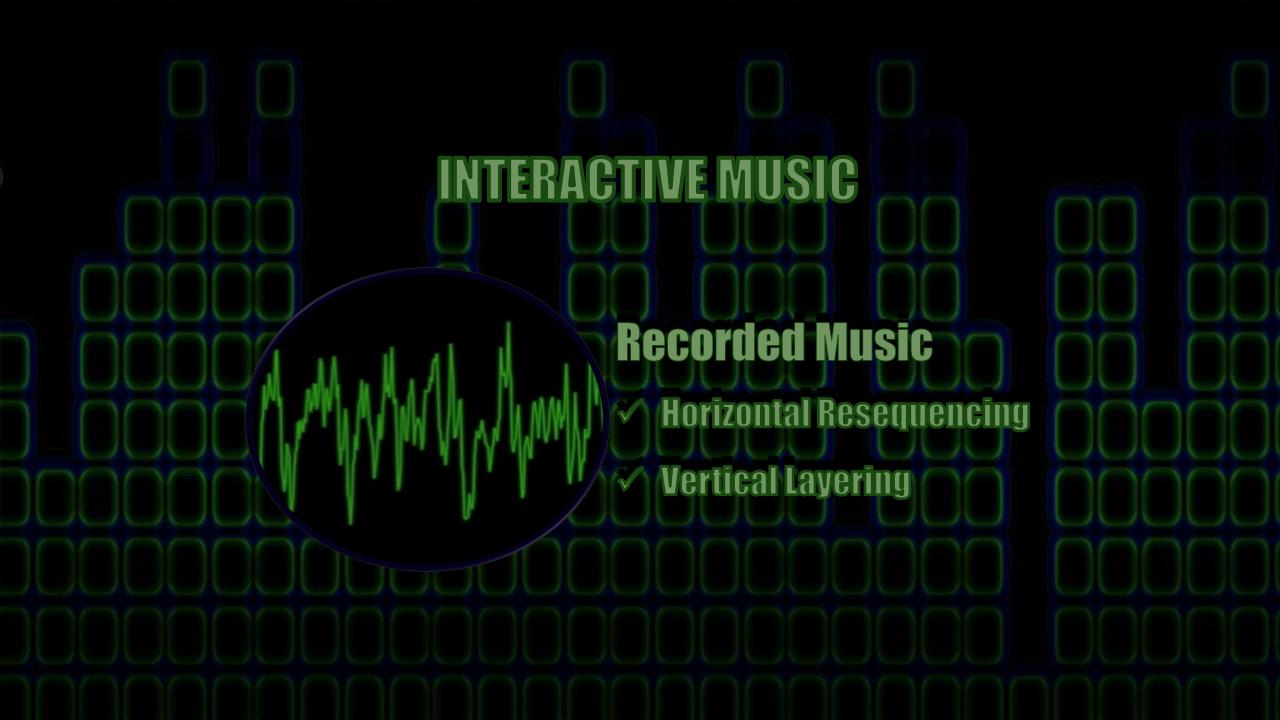
"World of Silence" Creepin' Sightless Time"



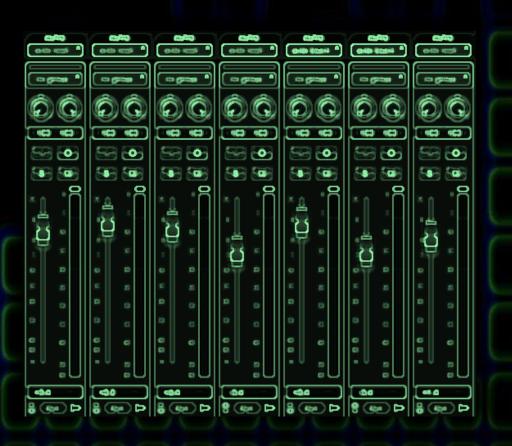




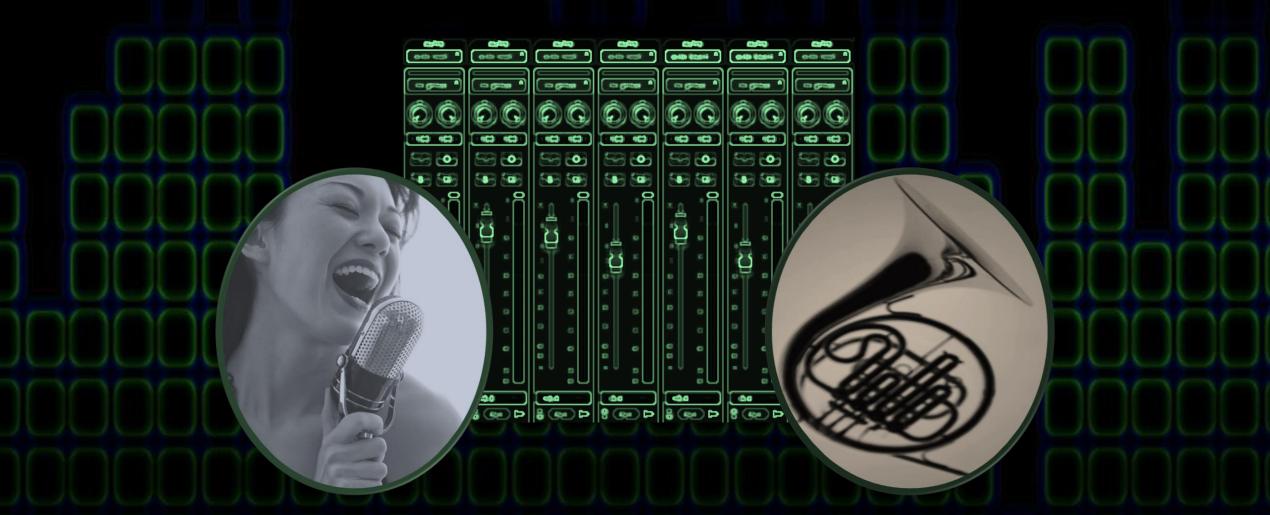




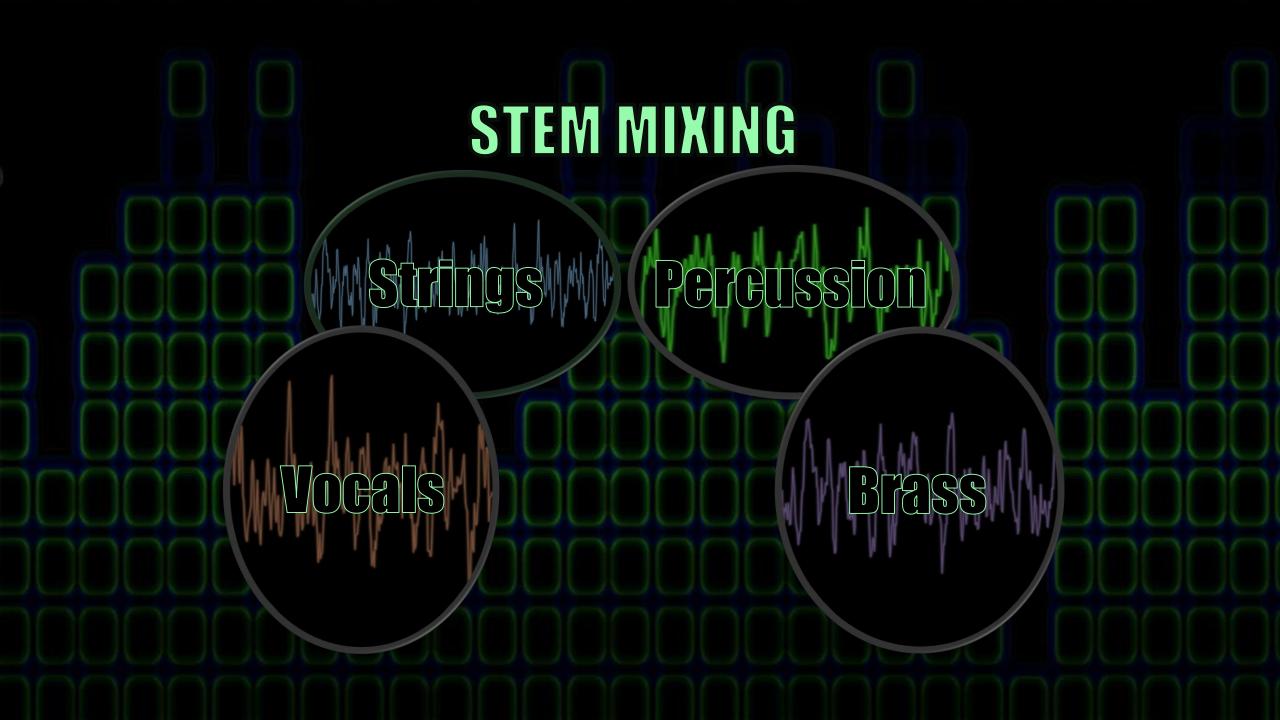
STEM MIXING



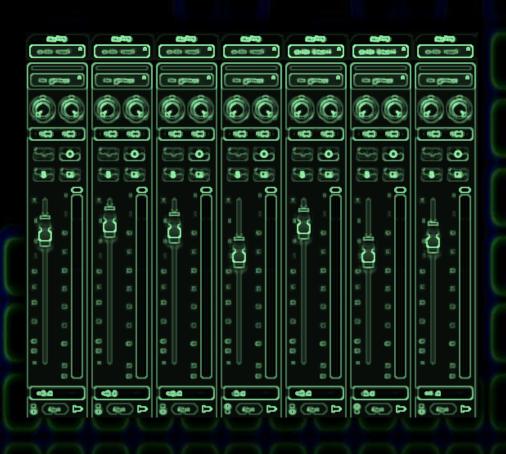


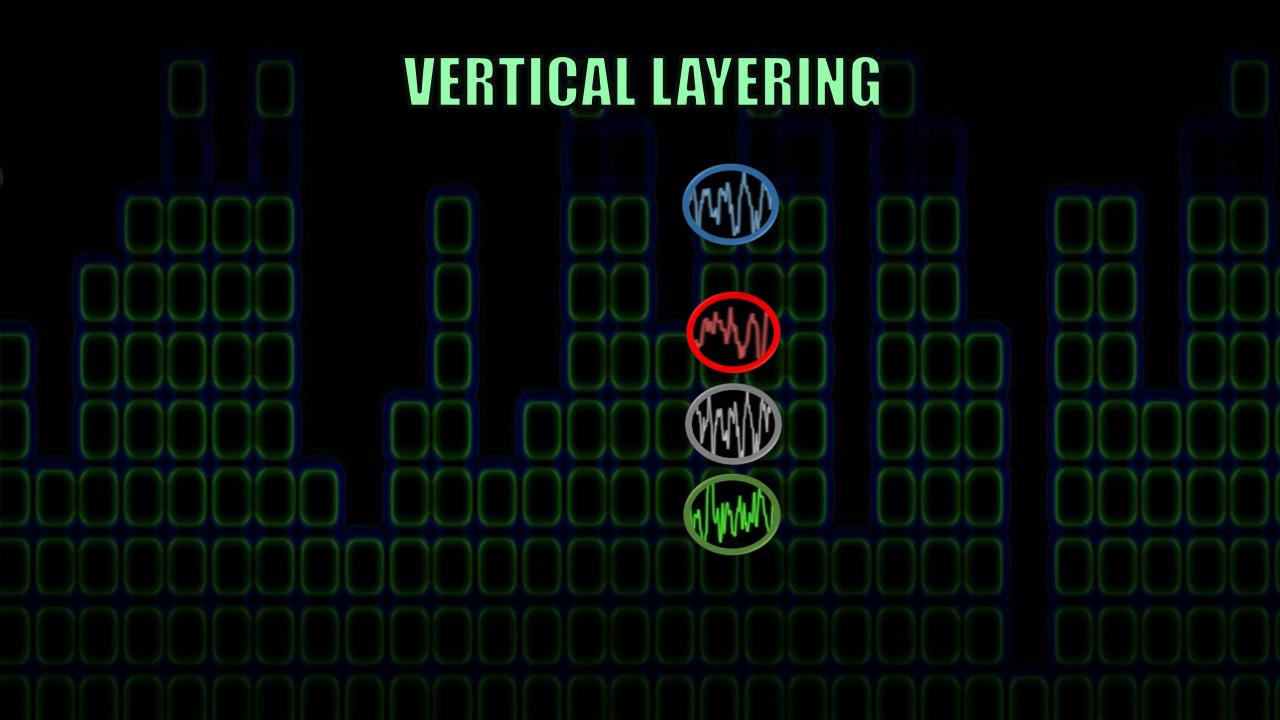


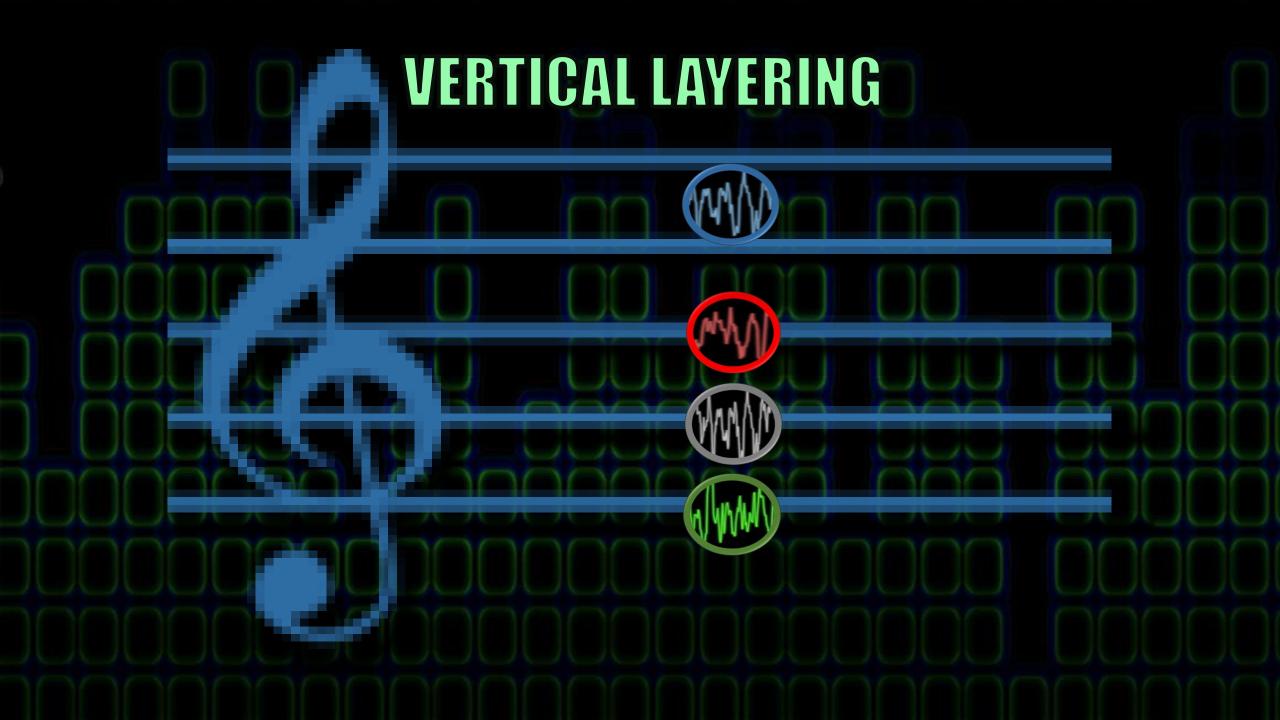




VERTICAL LAYERING







VERTICAL LAYERING



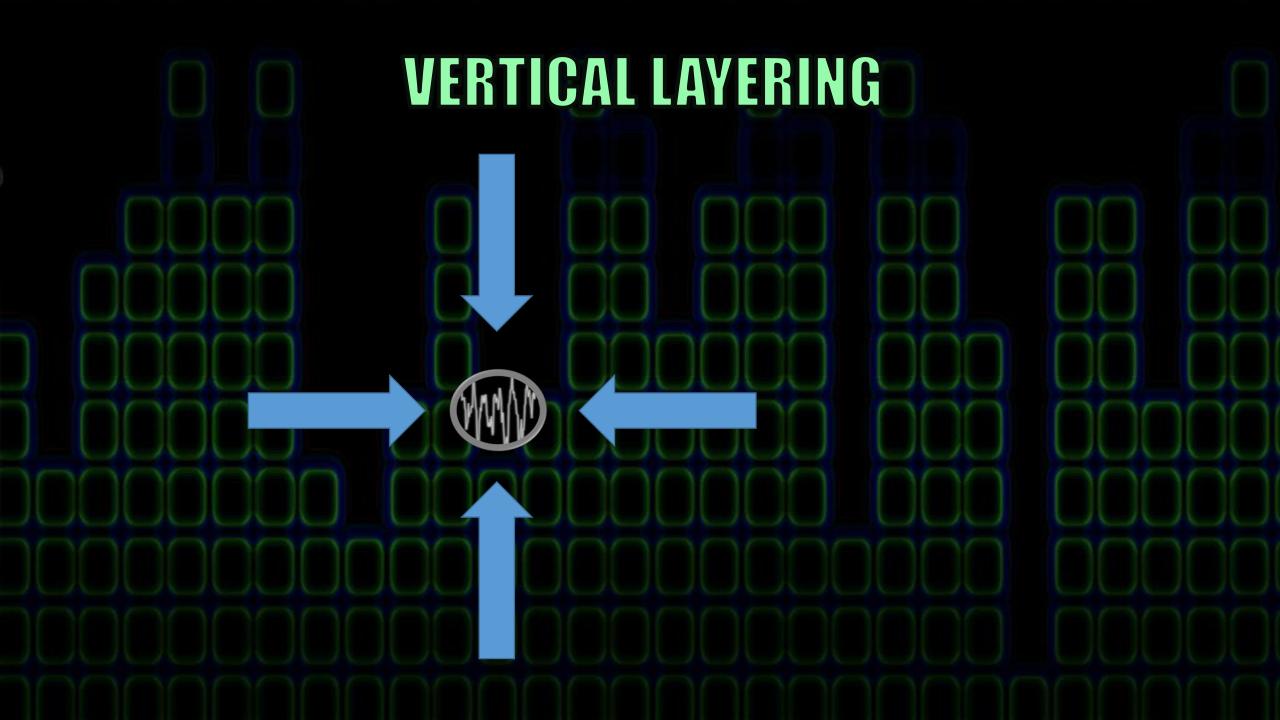
 Virtual Mixing Engineer

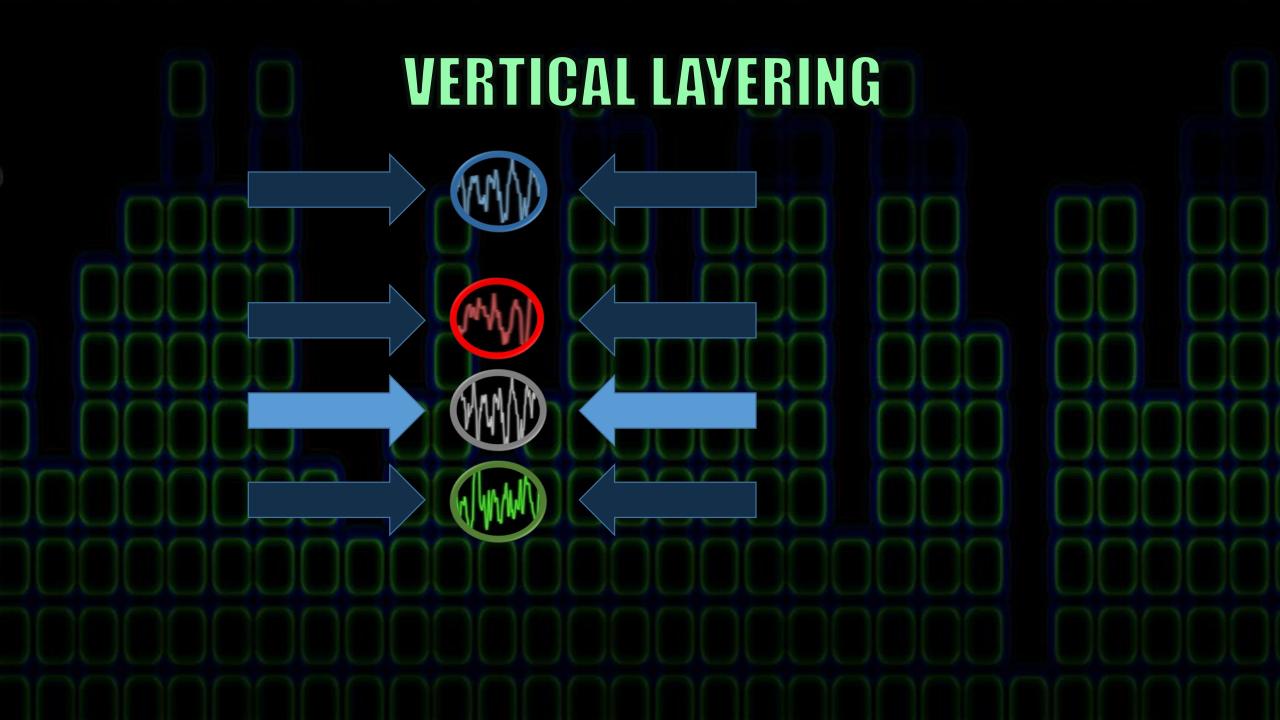
VERTICAL LAYERING



 Virtual Mixing Engineer

TriggeringPoints













Drum Layer







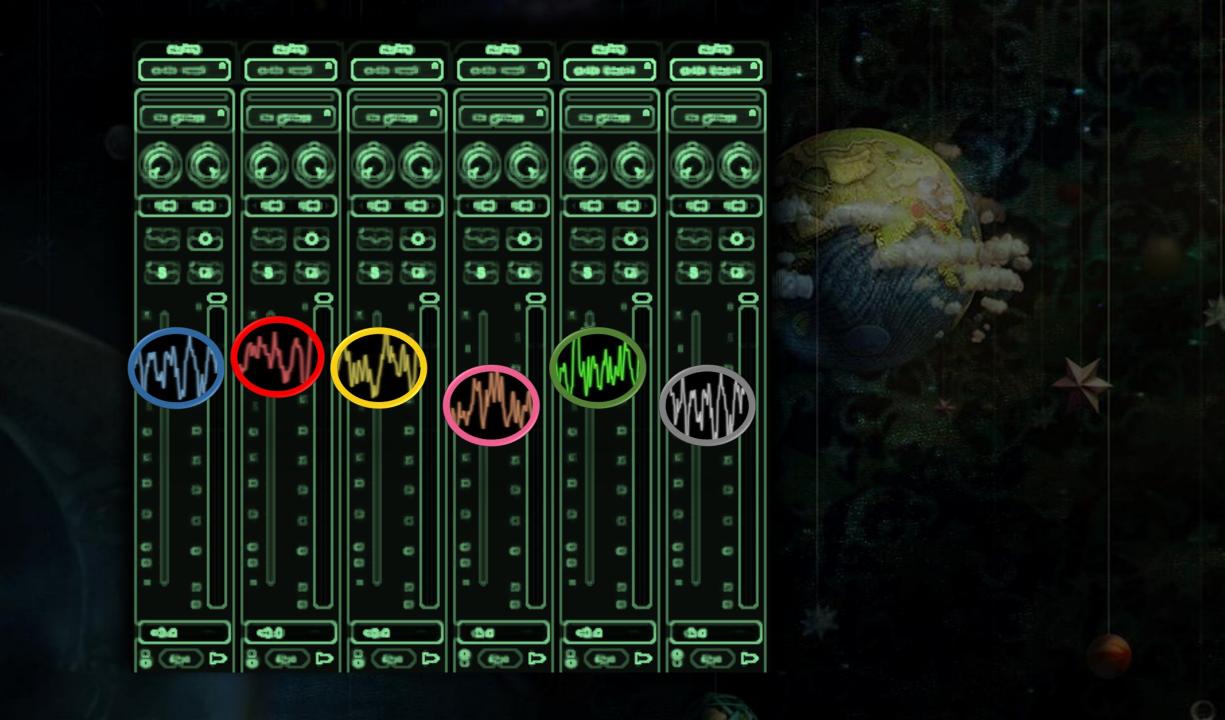


Diva Layer



Cuitars Layer





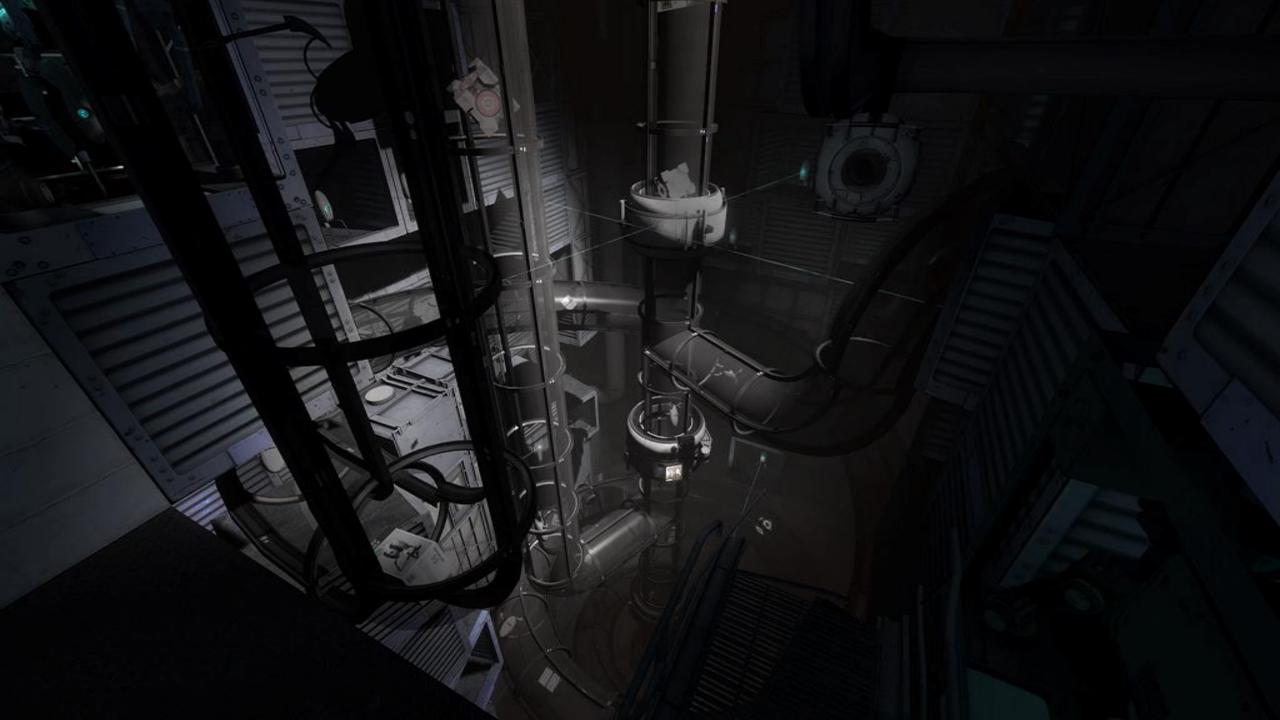


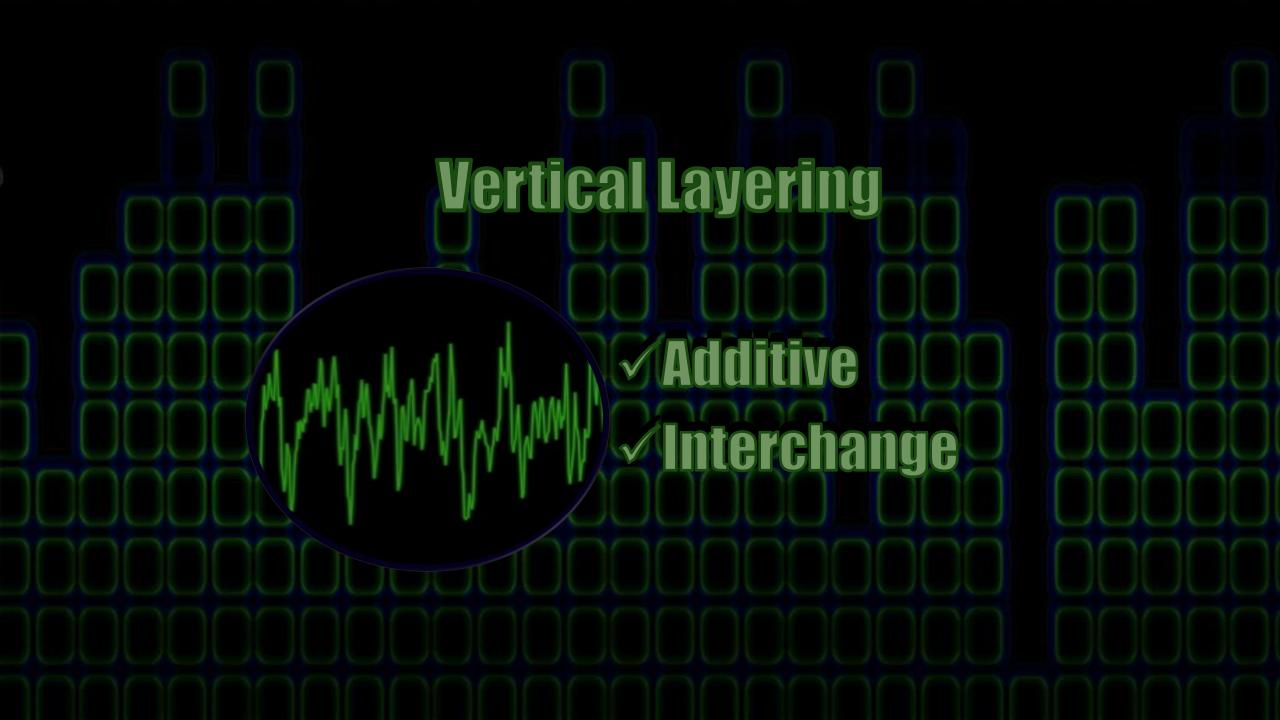


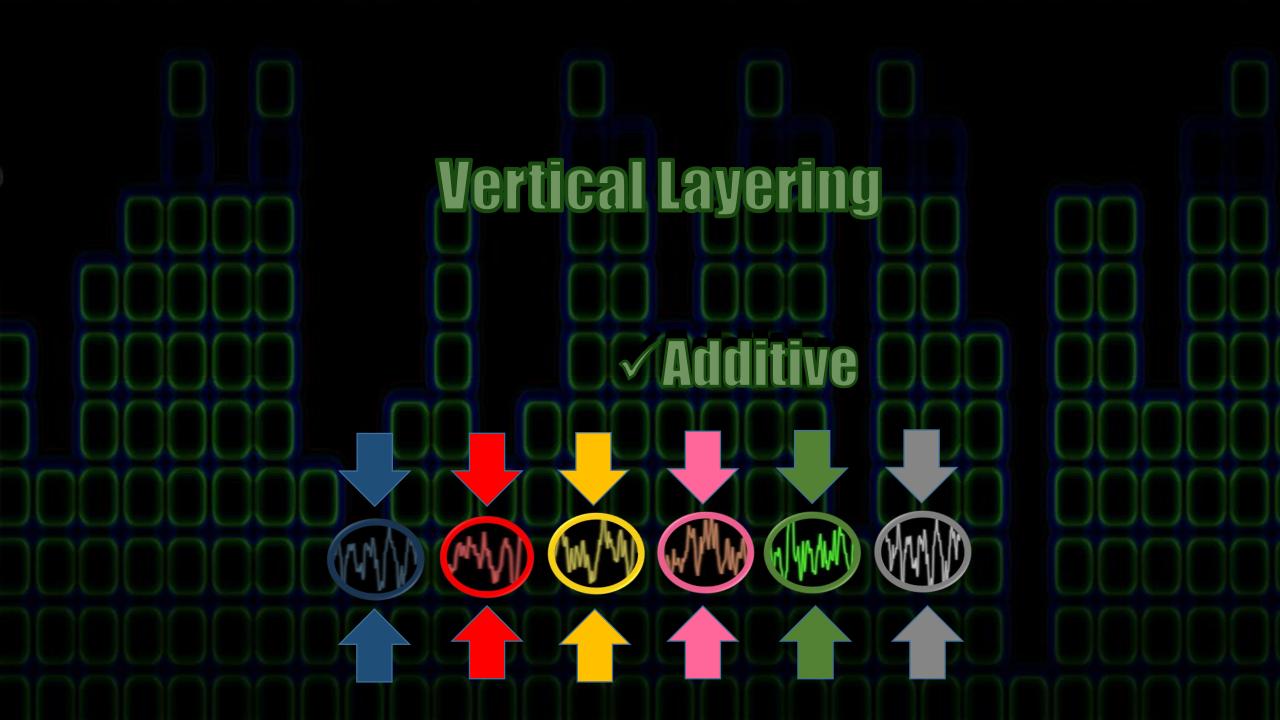




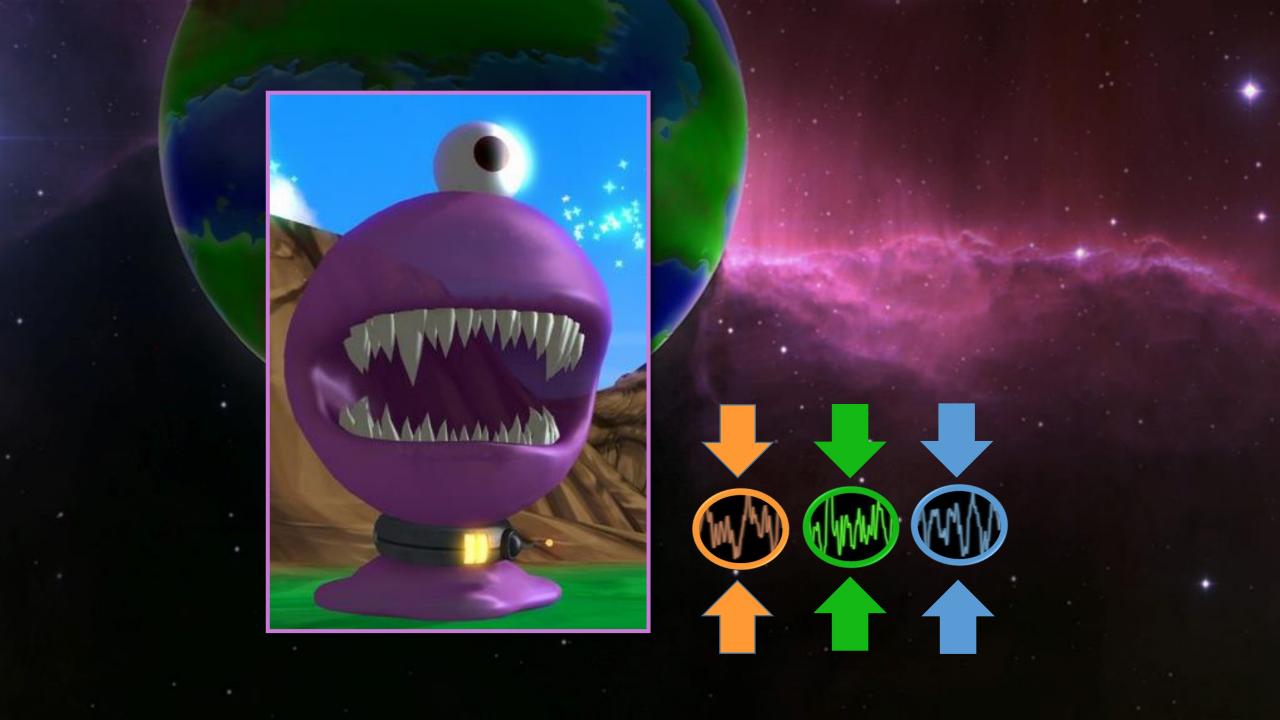














Comedy Layer







Explore Layer

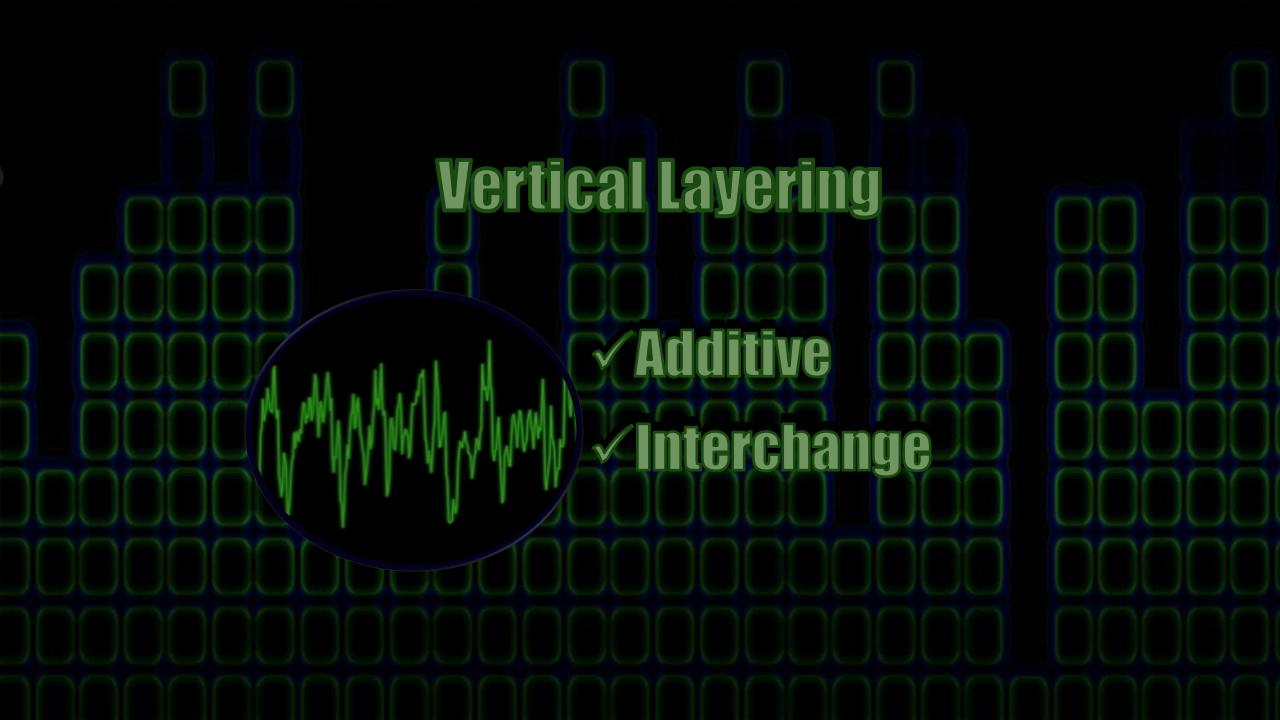


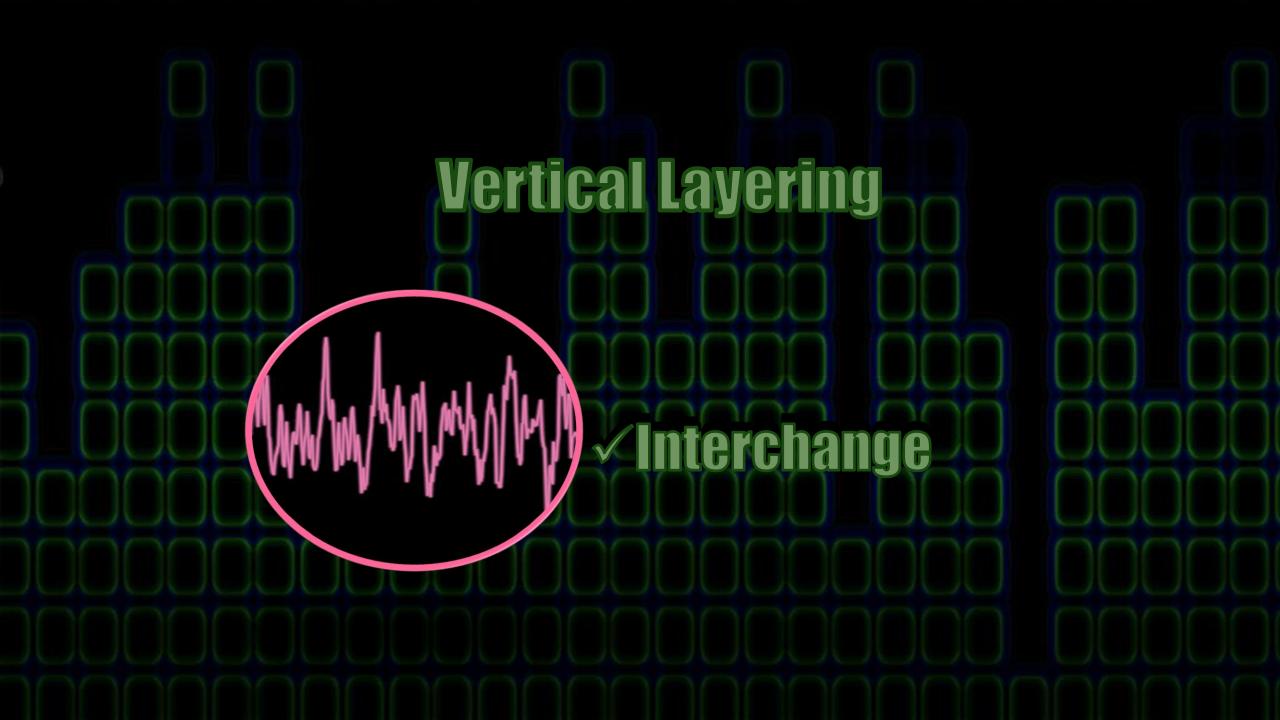


Epic Layer

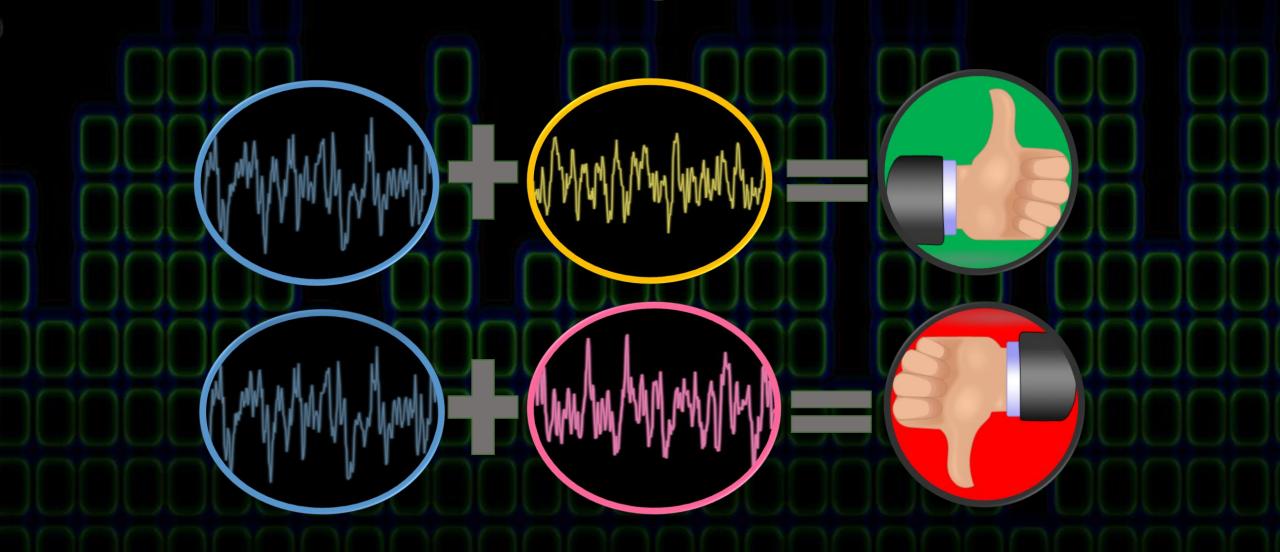








Interchange Method











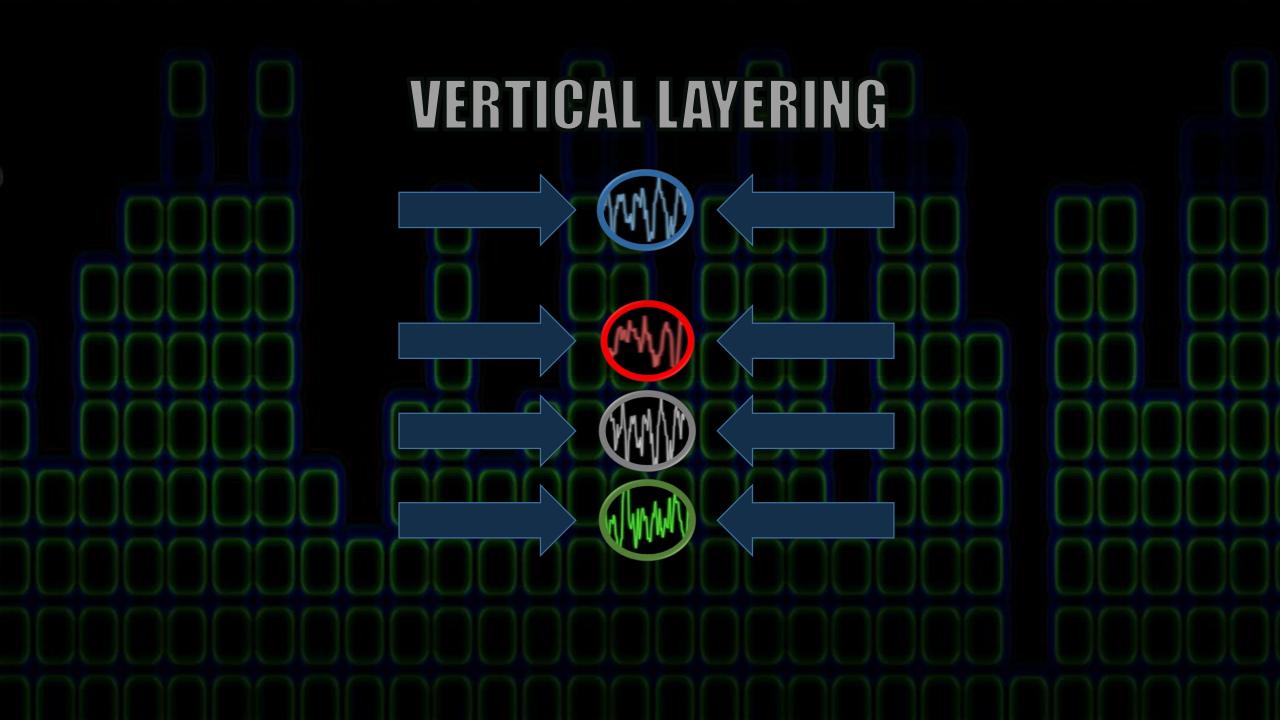




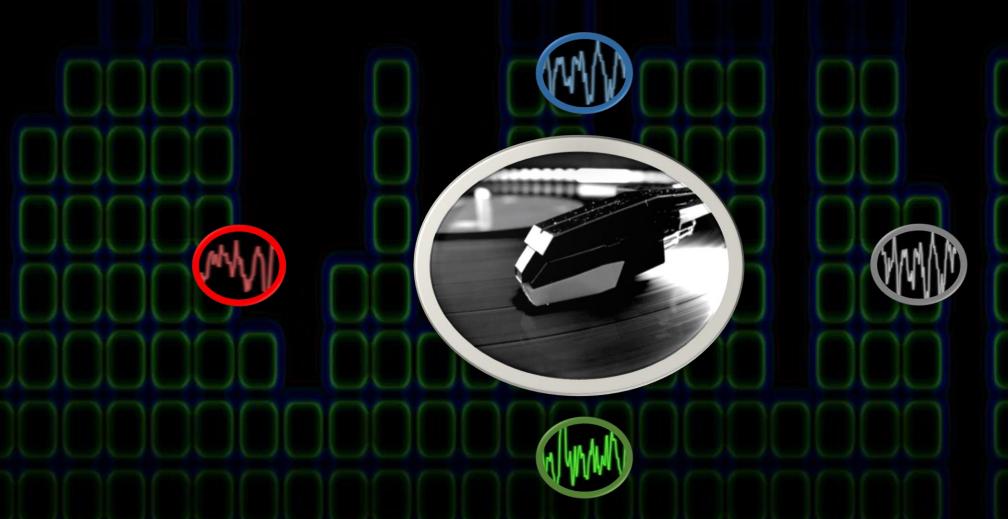






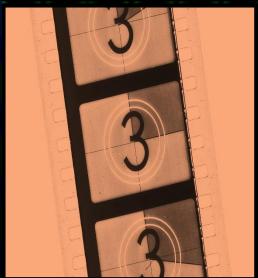


VERTICAL LAYERING?



VERTICAL LAYERING?





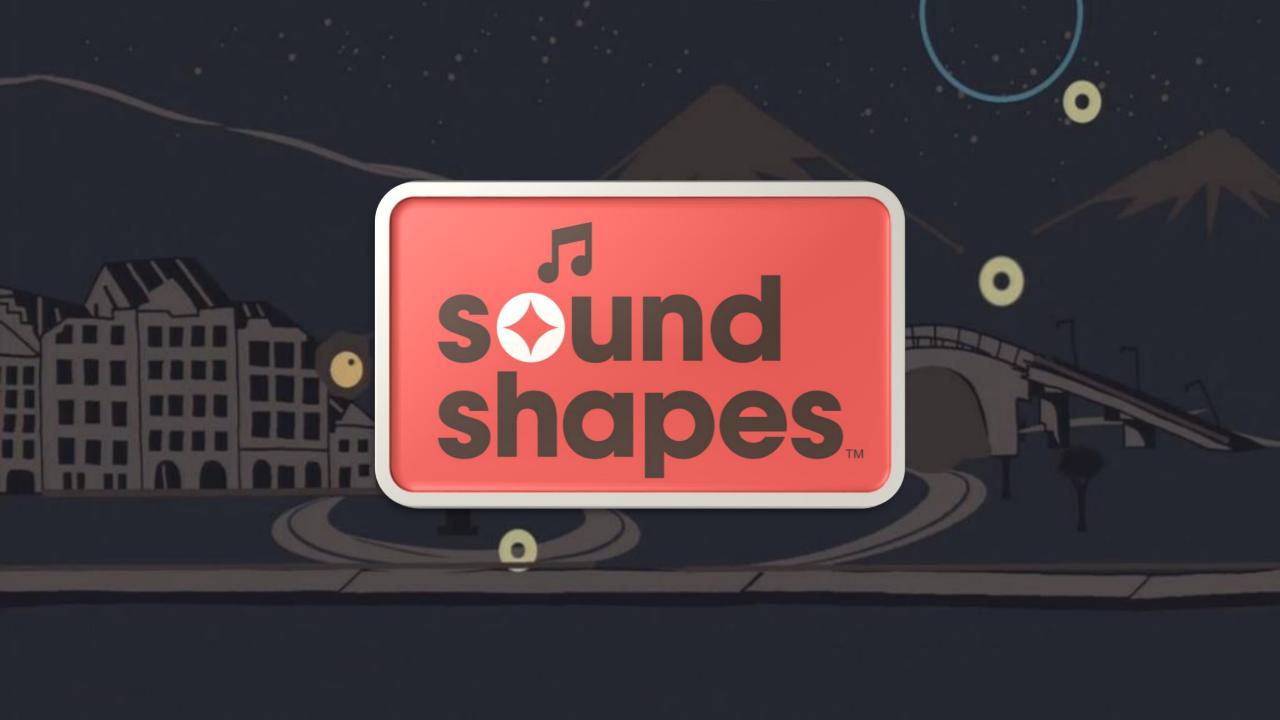
VERTICAL LAYERING?



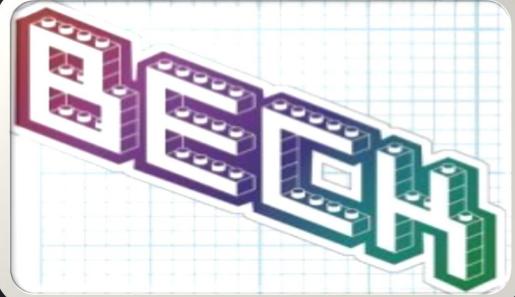






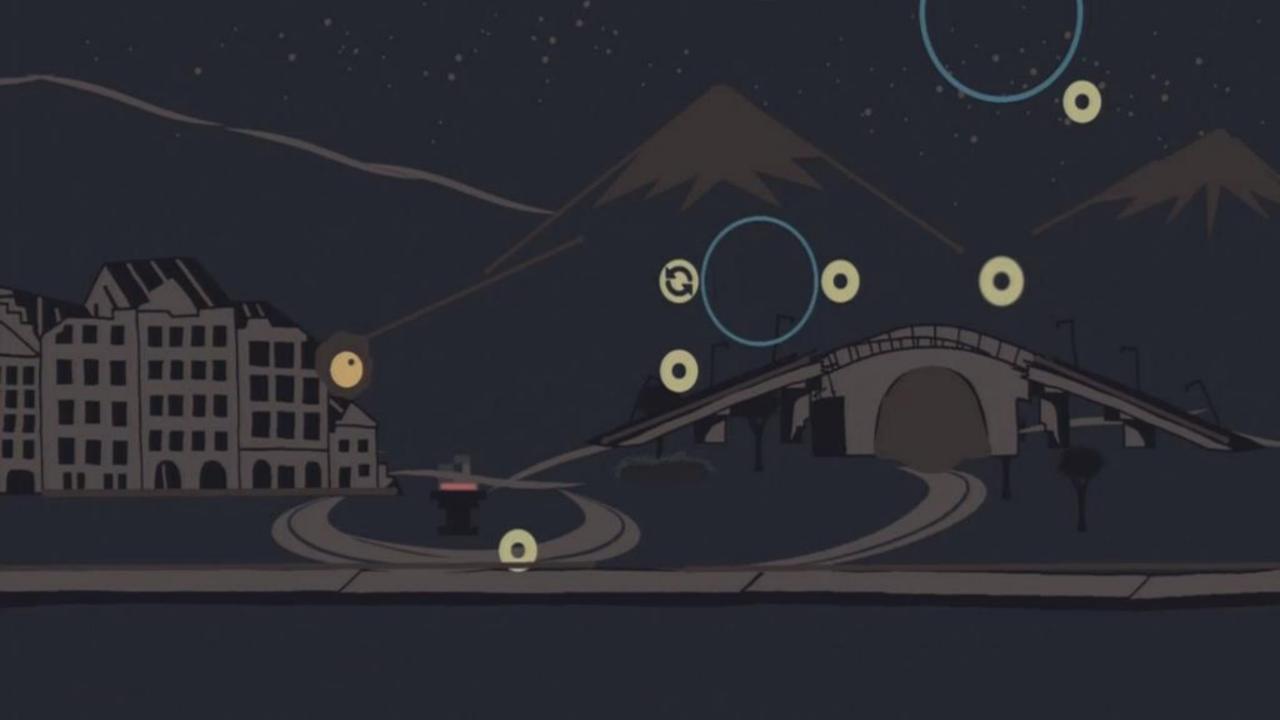






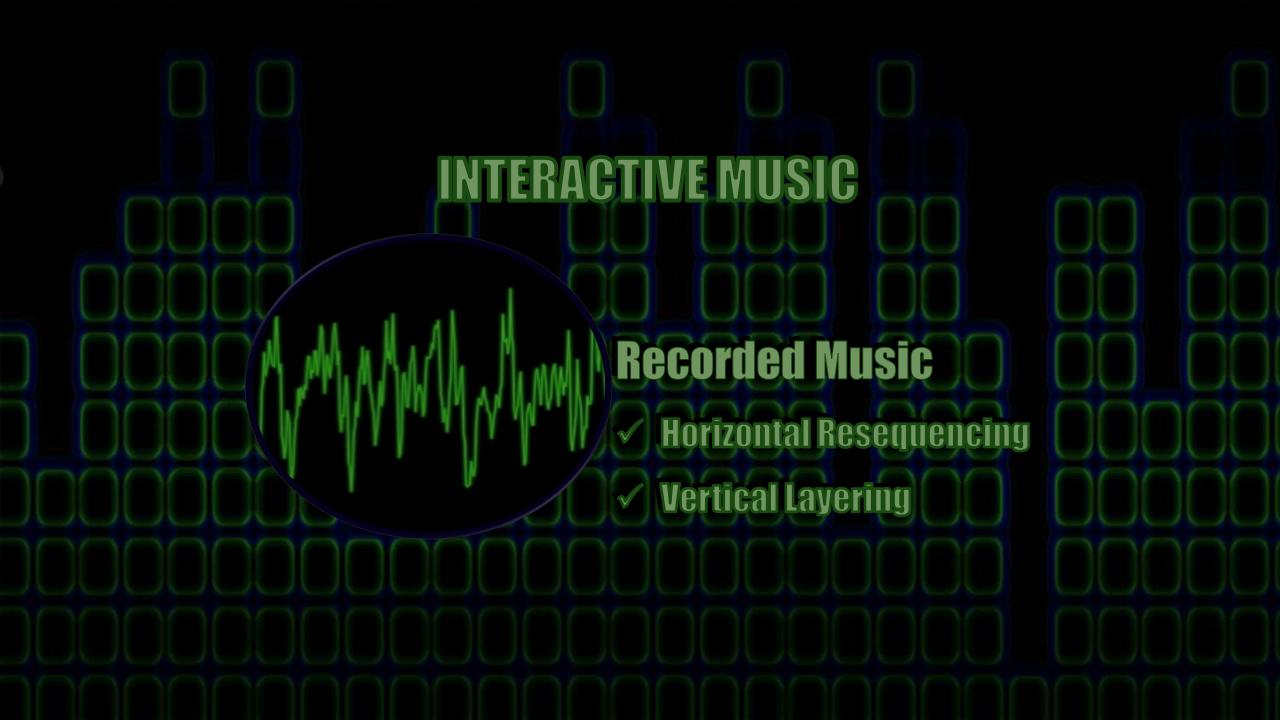




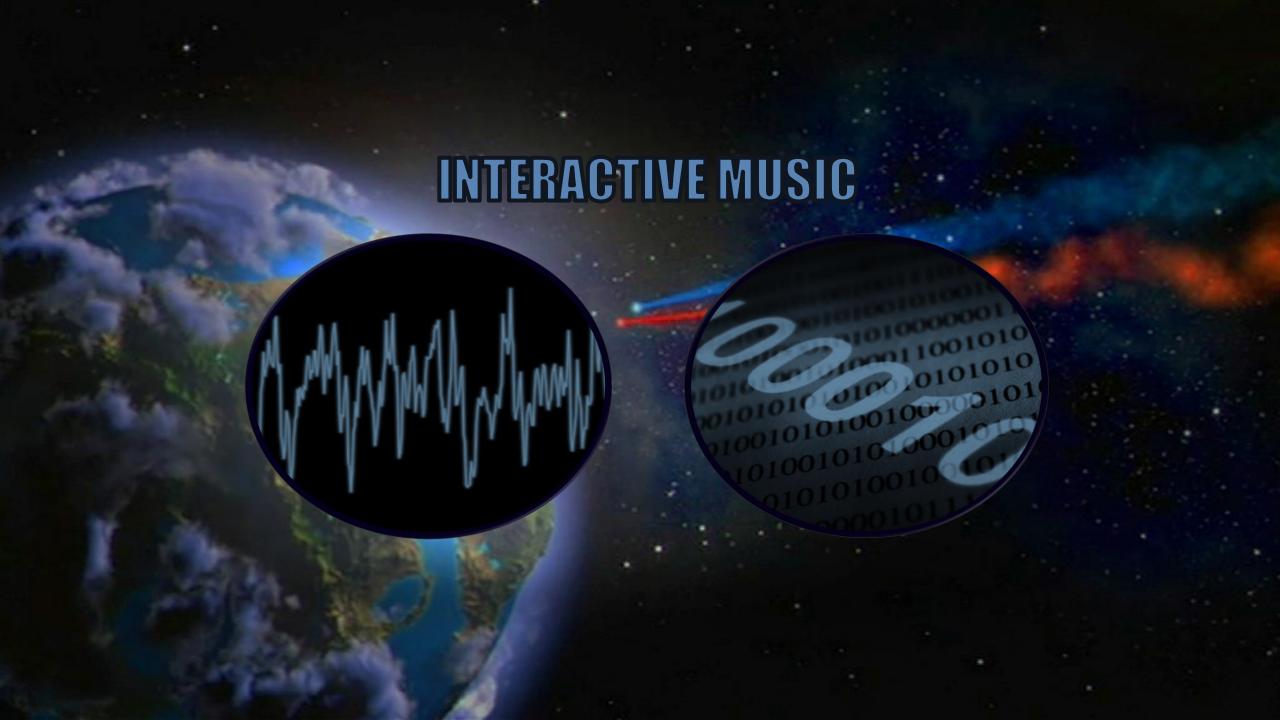












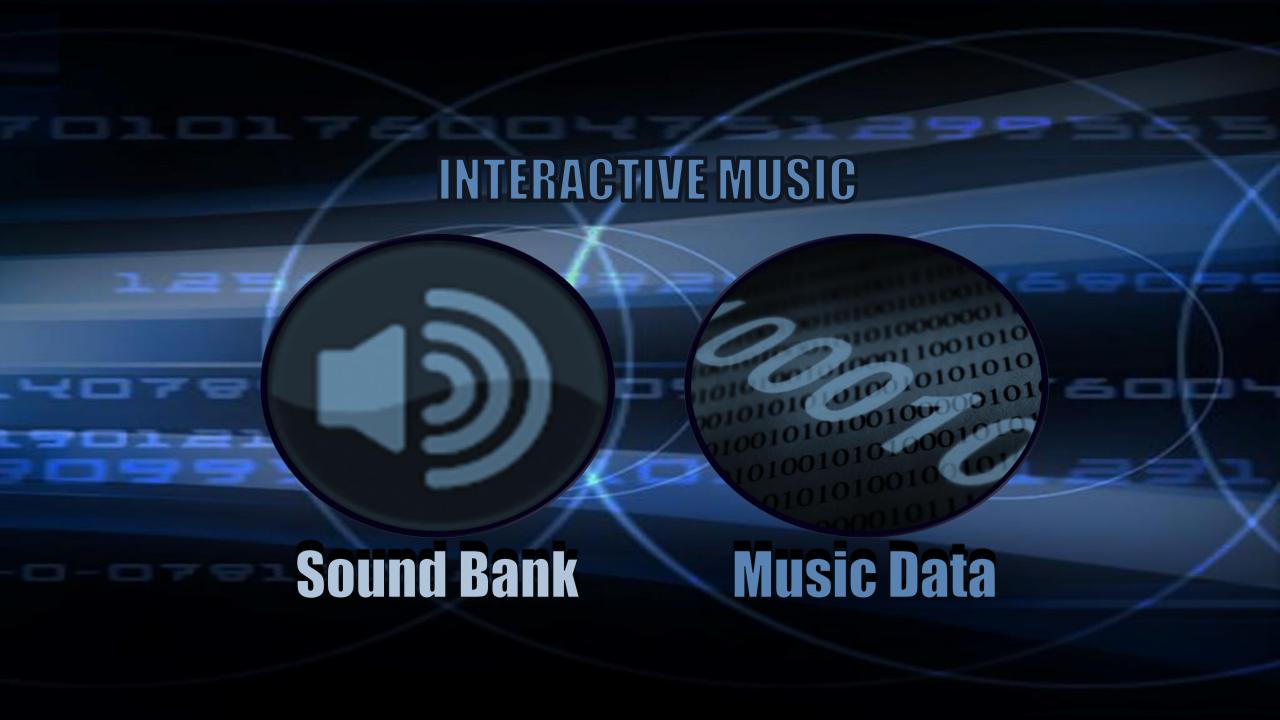
INTERACTIVE MUSIC

Not Recorded Music

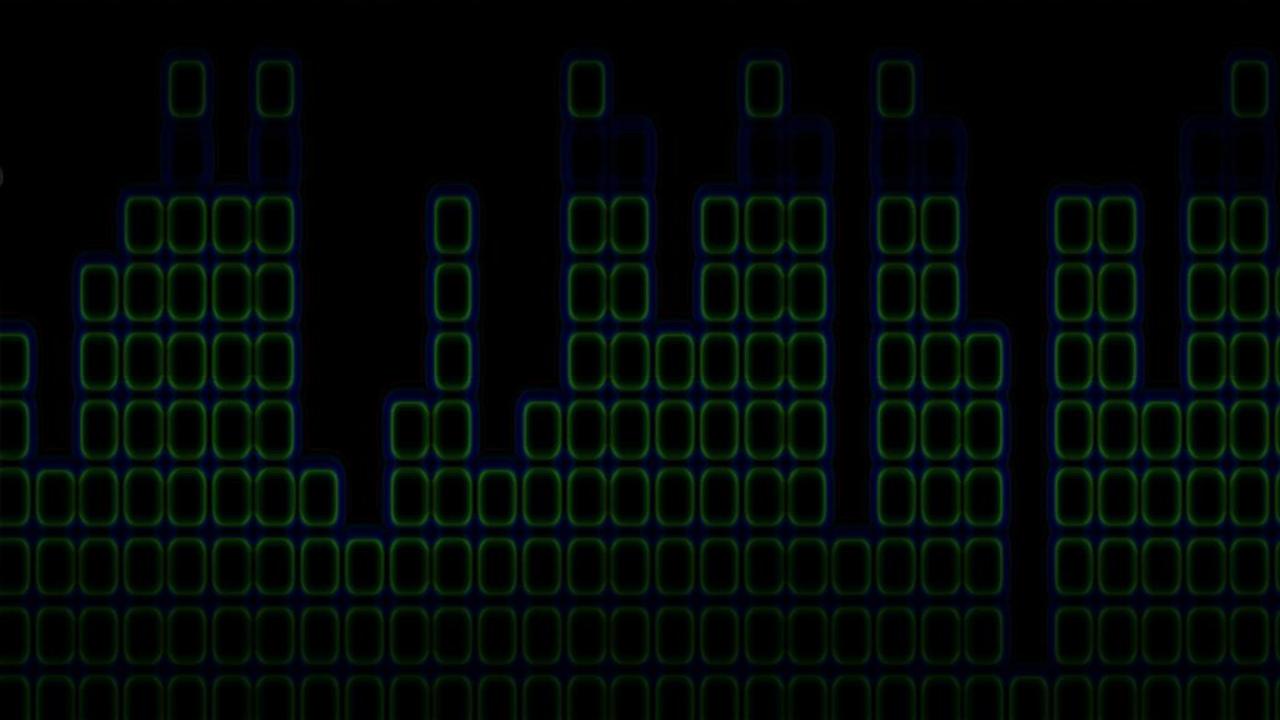
- ✓ Not a WAV
- Wot an OGG
- \checkmark **Not** an MP3, etc.



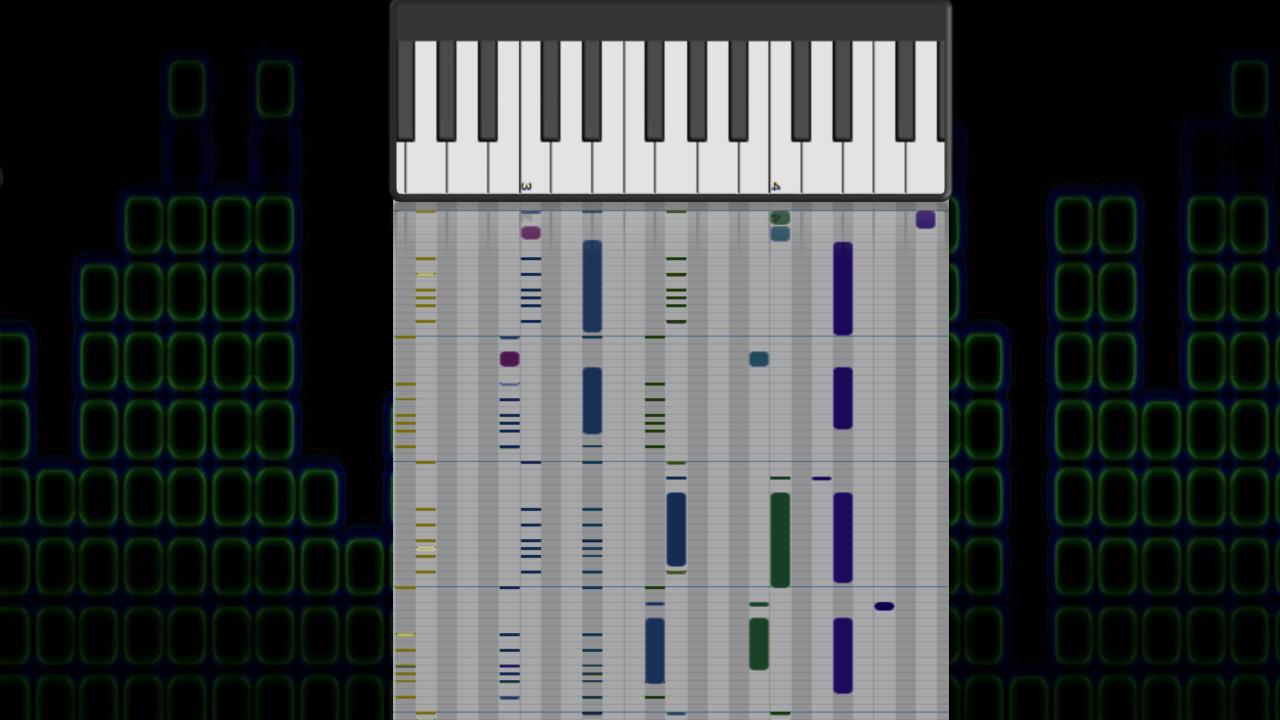
Music Data

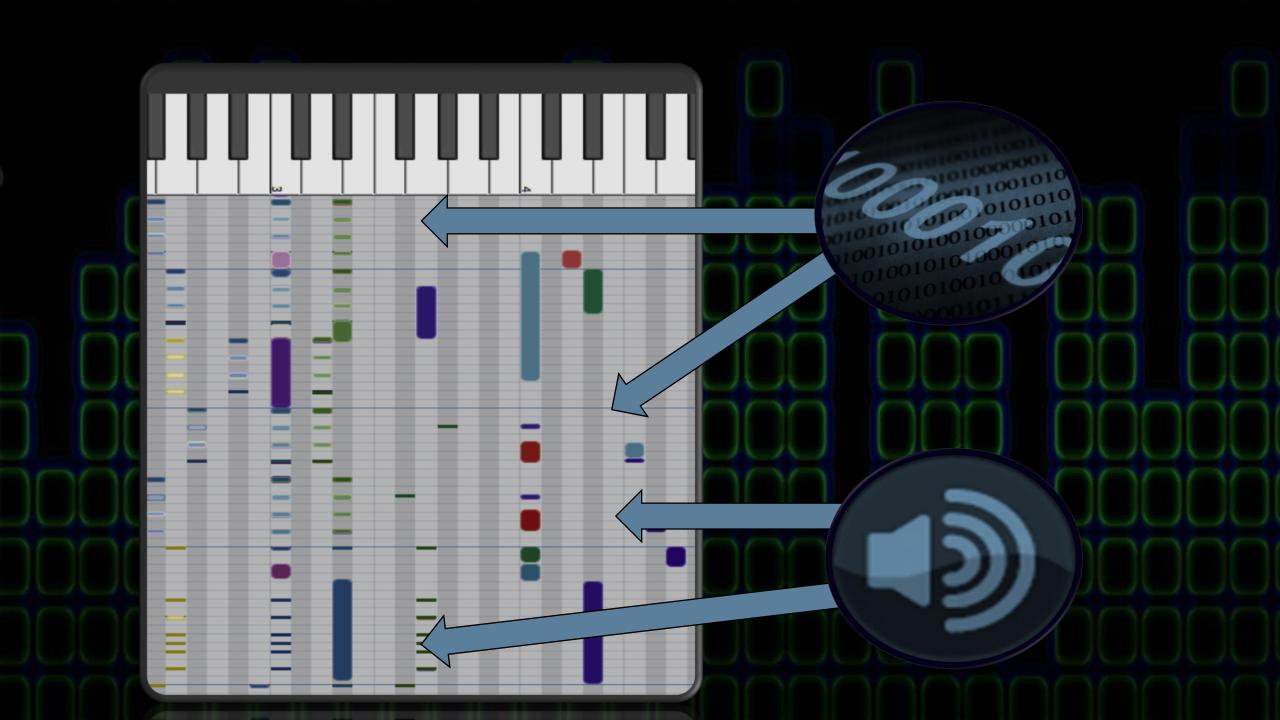


































NINTENDEDS



- Synth Score
- V Quirky & Retro
- ✓ Lo-Res Sound Files

SHREK THE THE RID



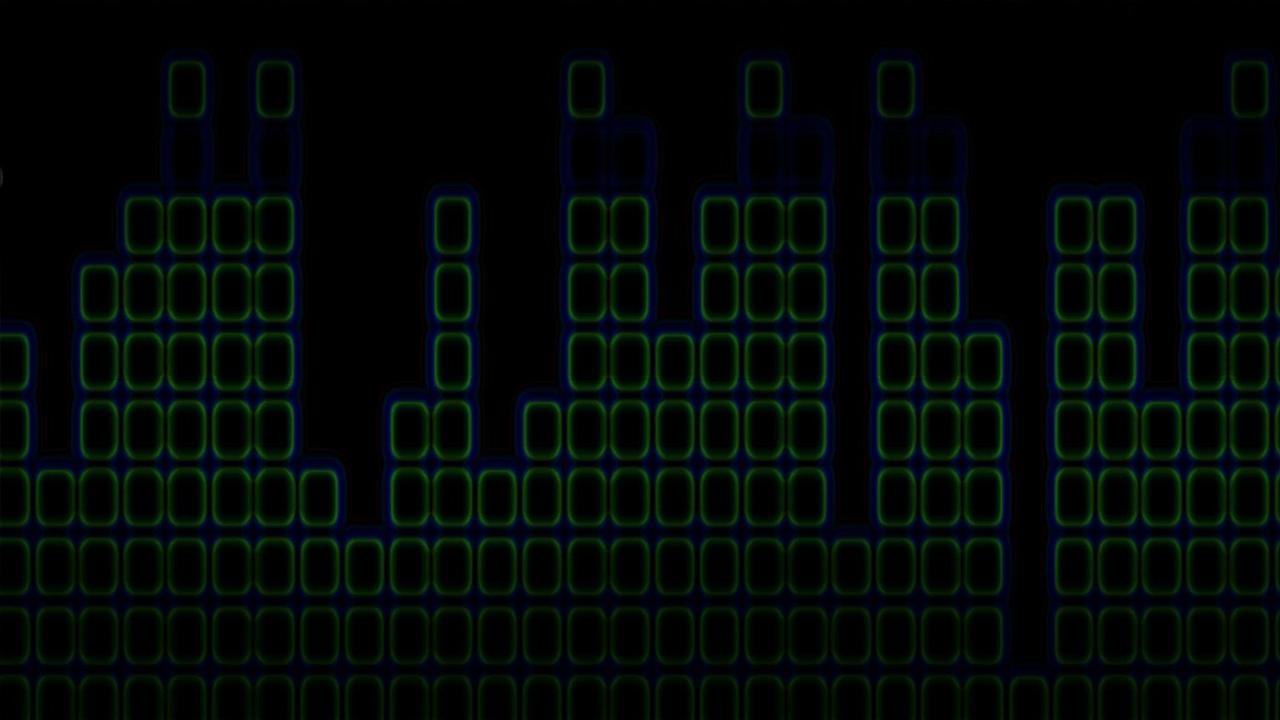








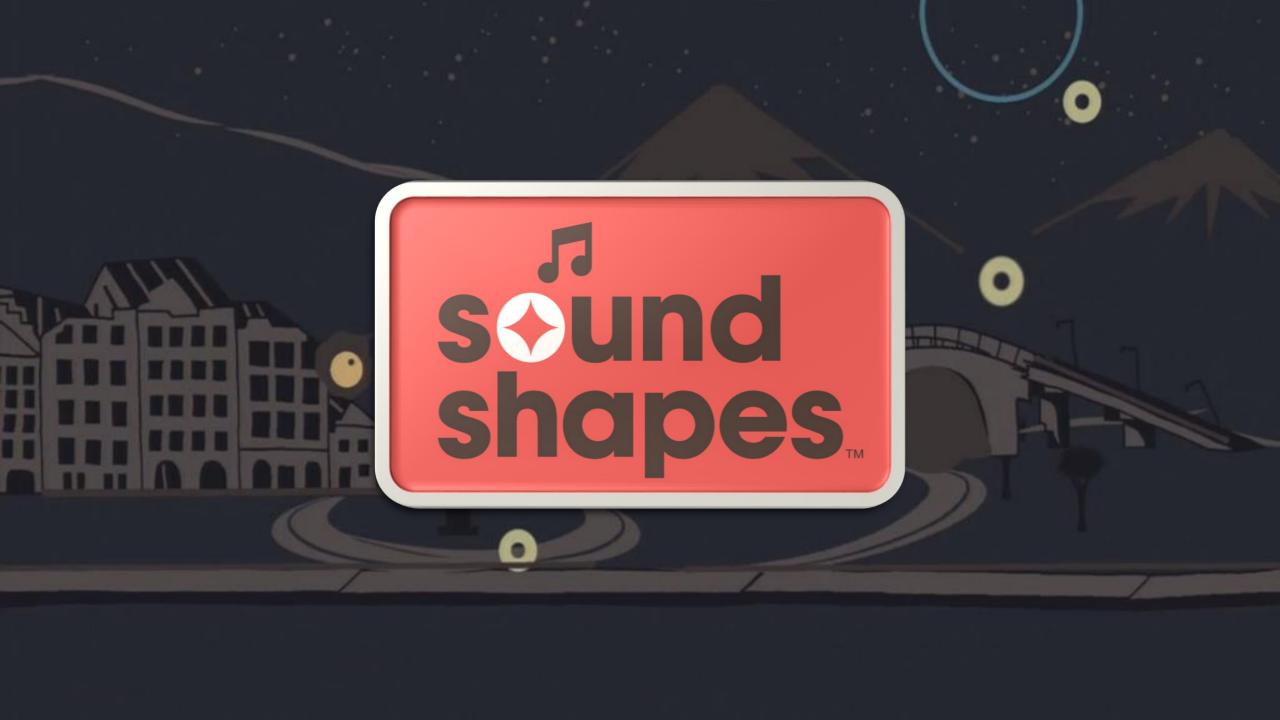


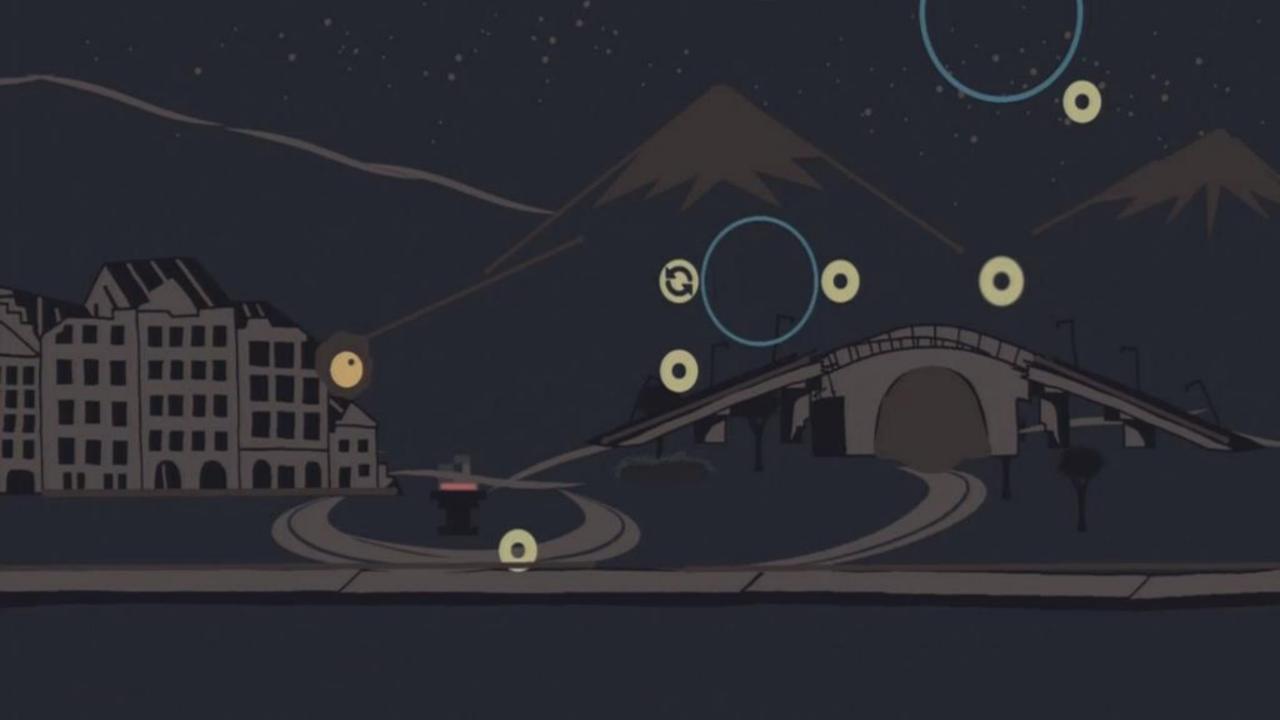






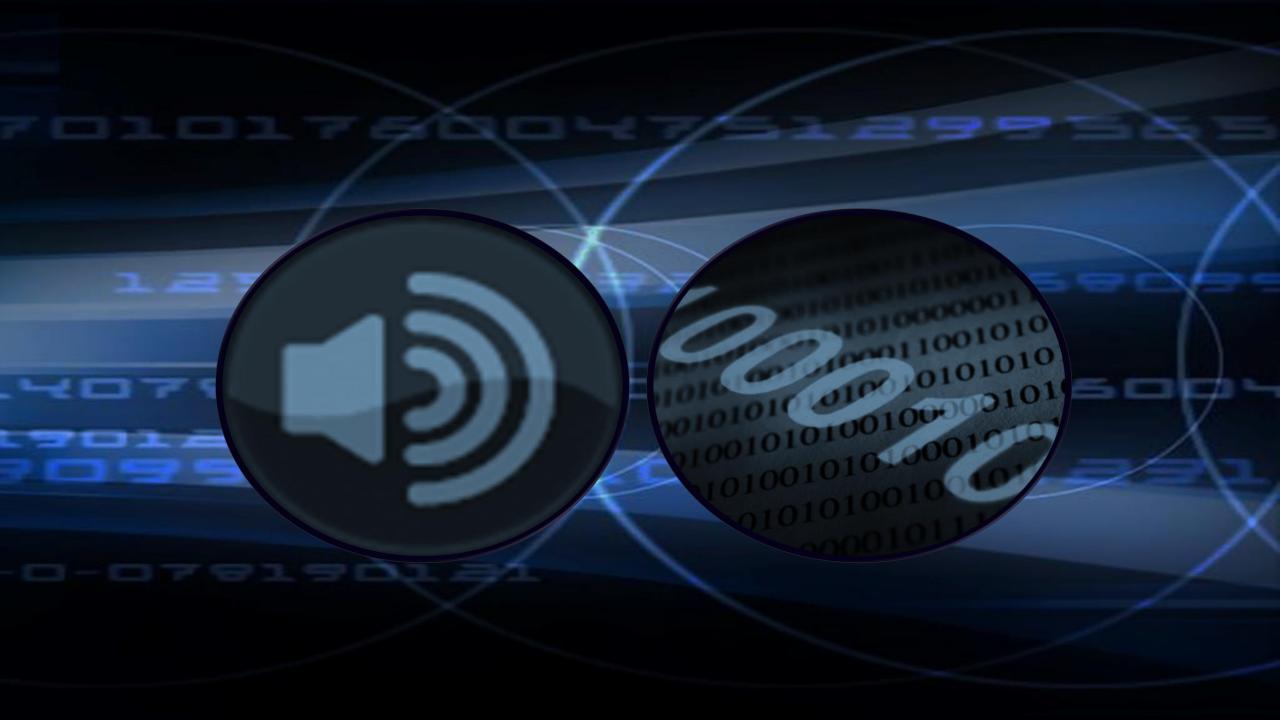


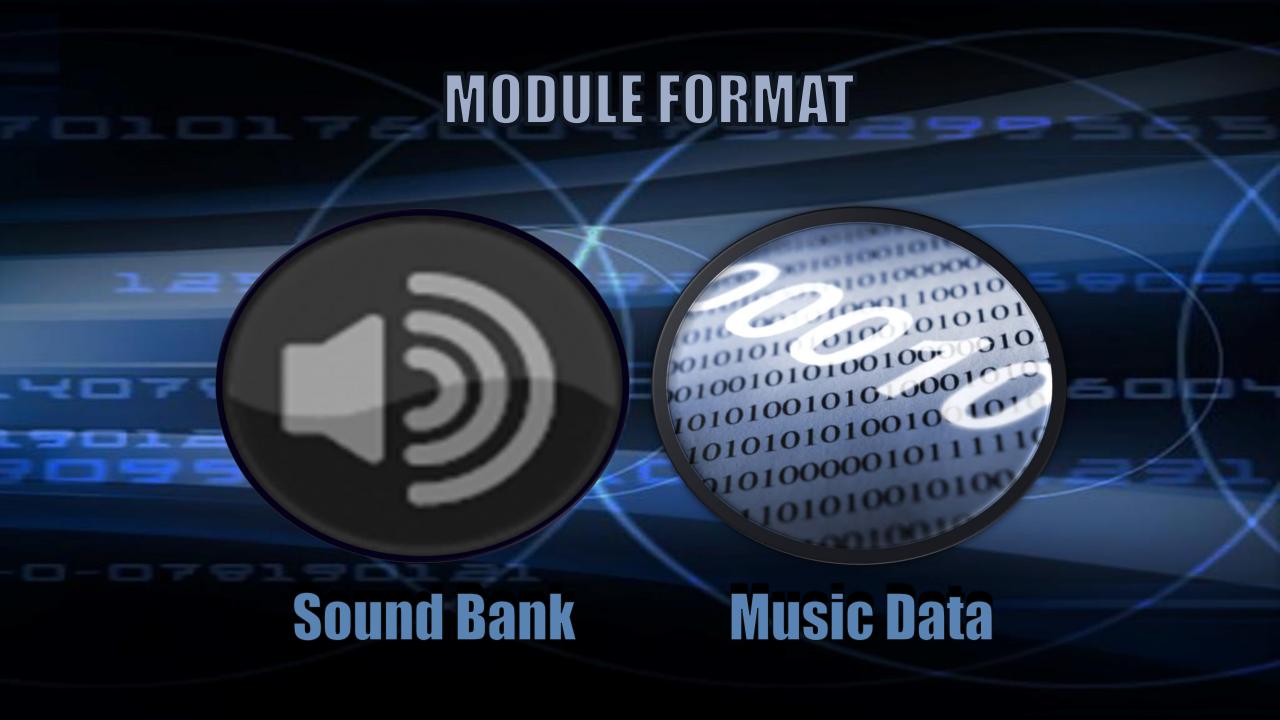


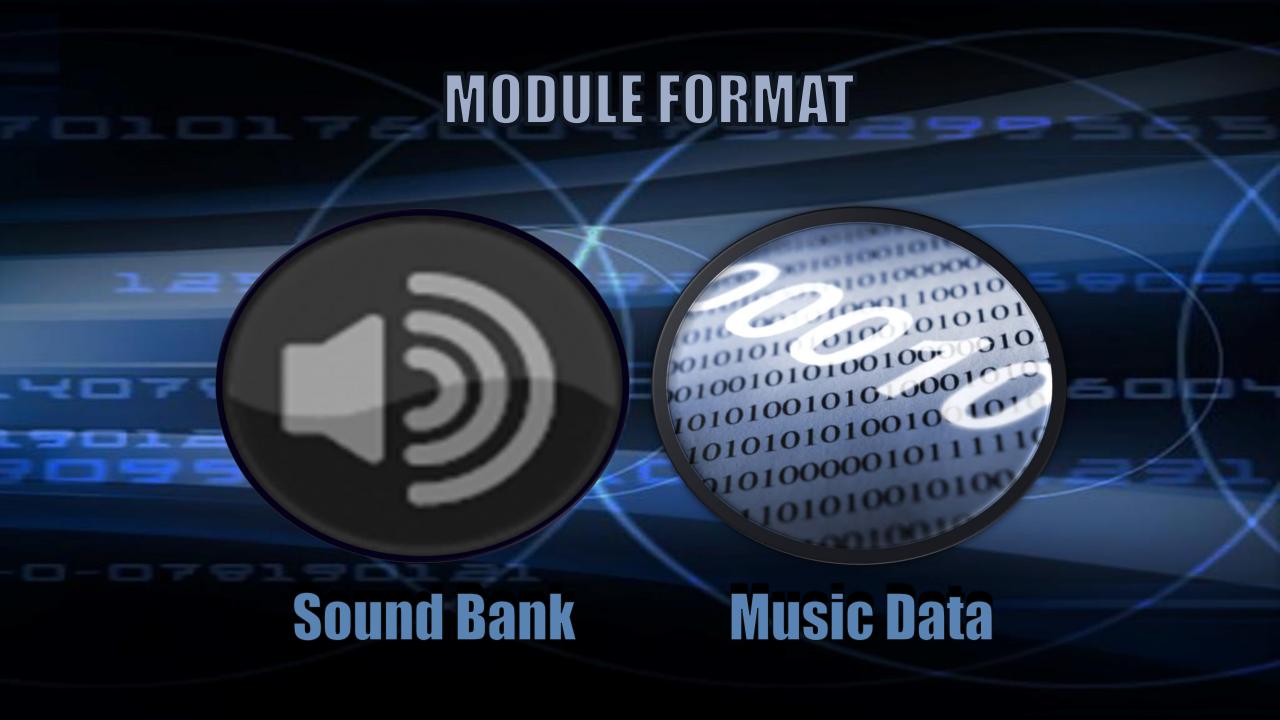


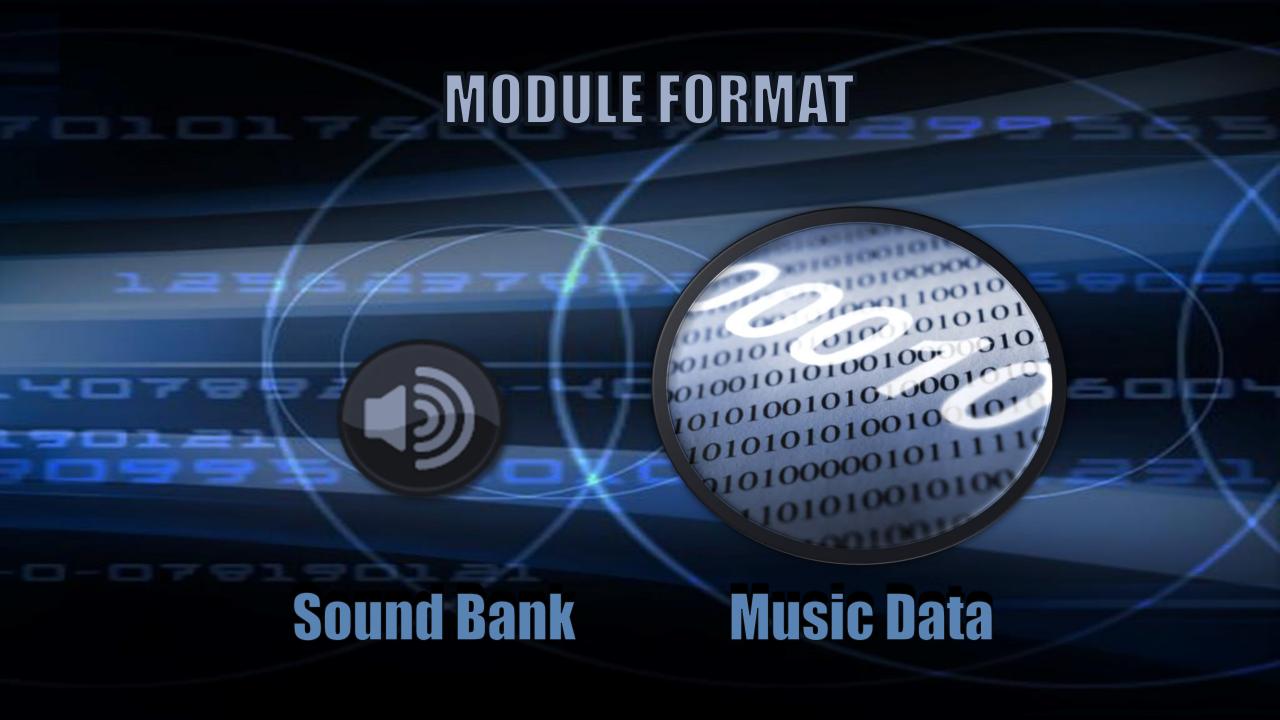






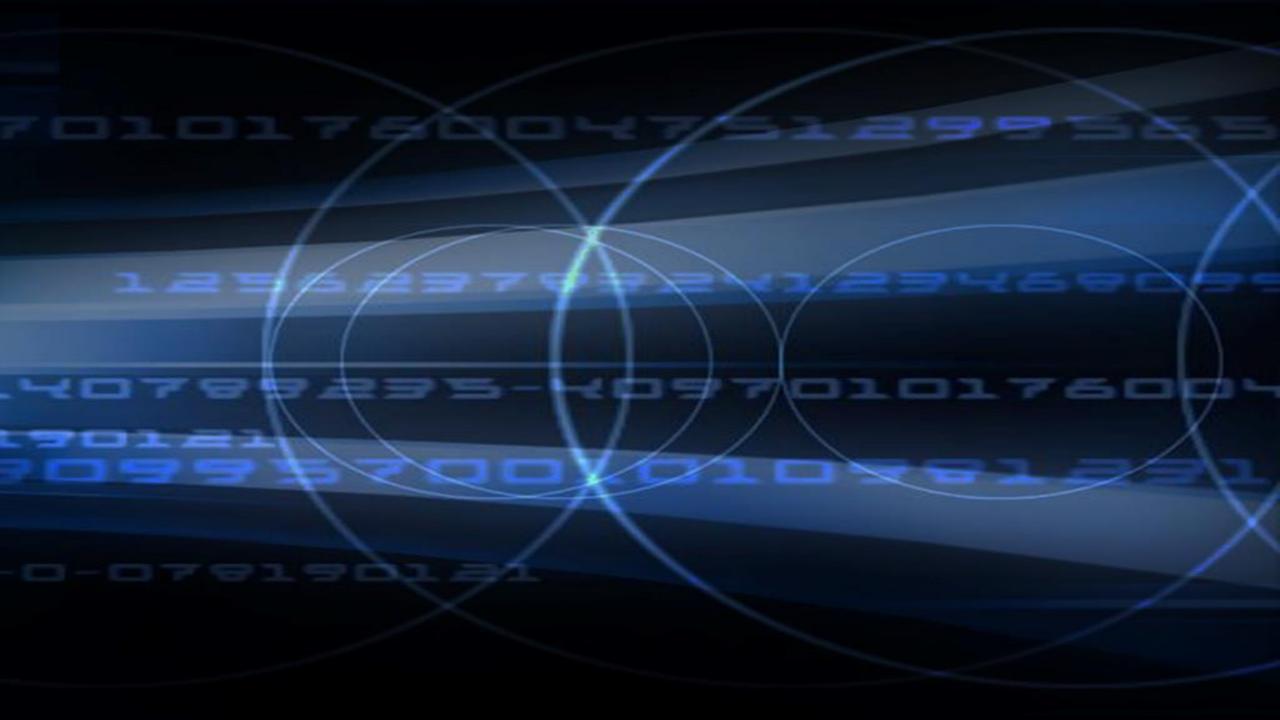




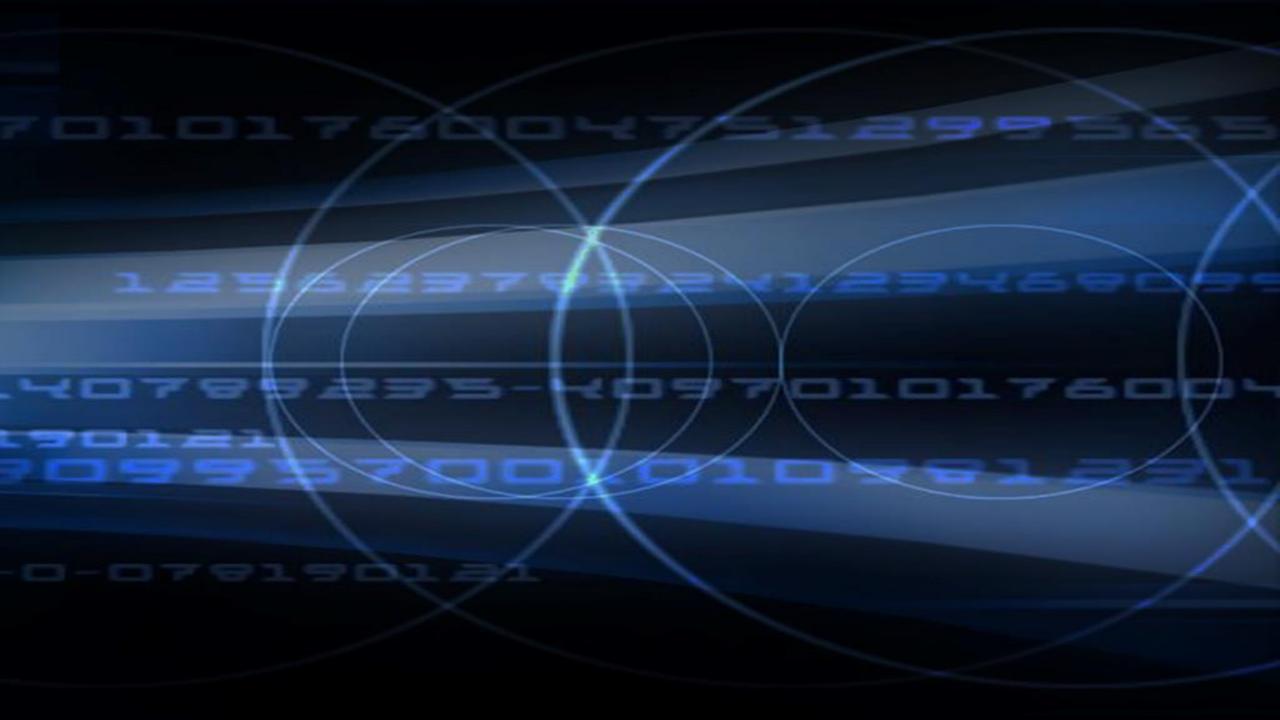


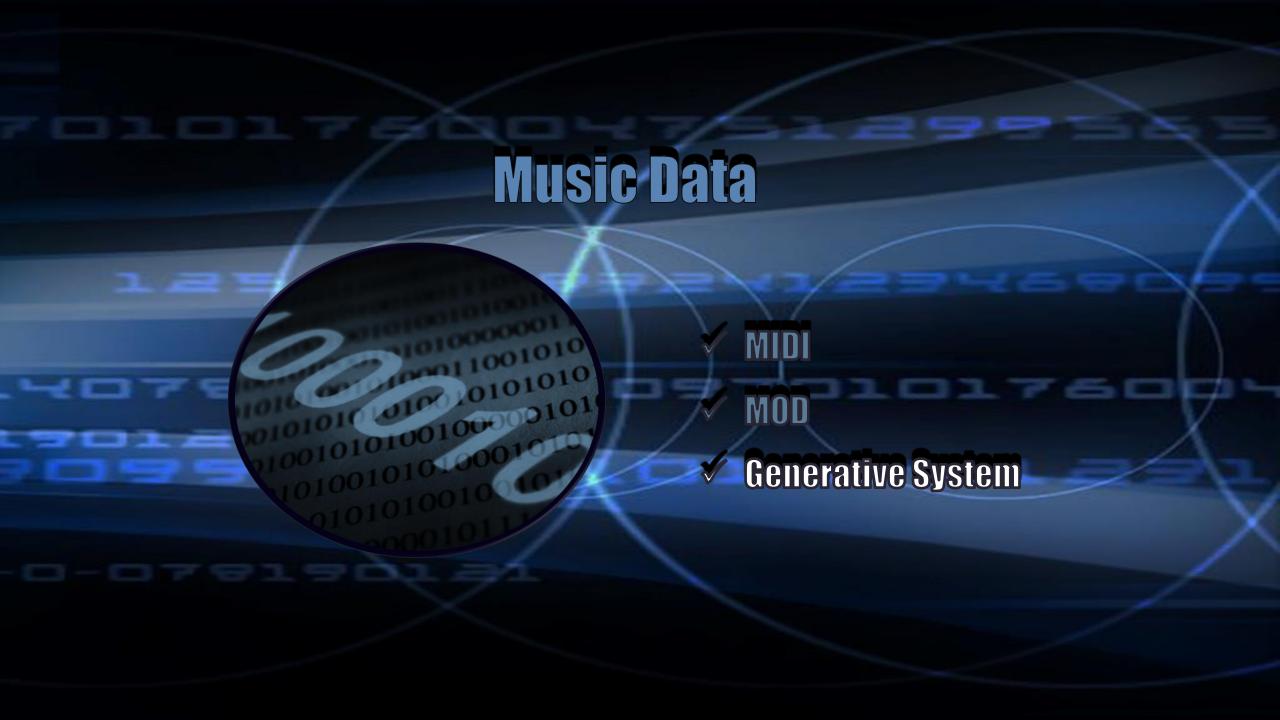
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G = 80%

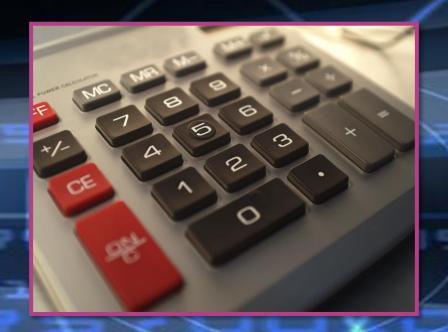
REFOLOSI



Riffology



REFOLOSI



G = 80%

D = 15%

 $\mathbf{E} = \mathbf{05}\%$



32 Melody Fragments

calculated via

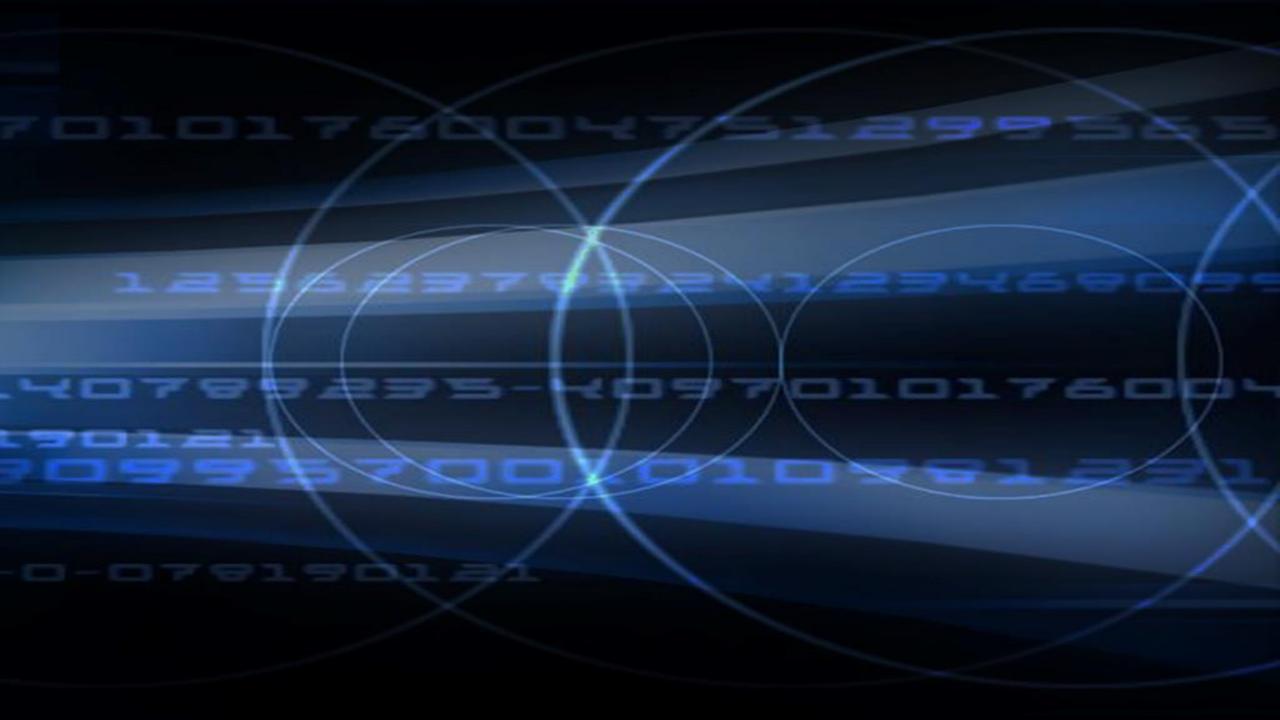
Conditional Statements



32 Melody Fragments

calculated via

Conditional Statements



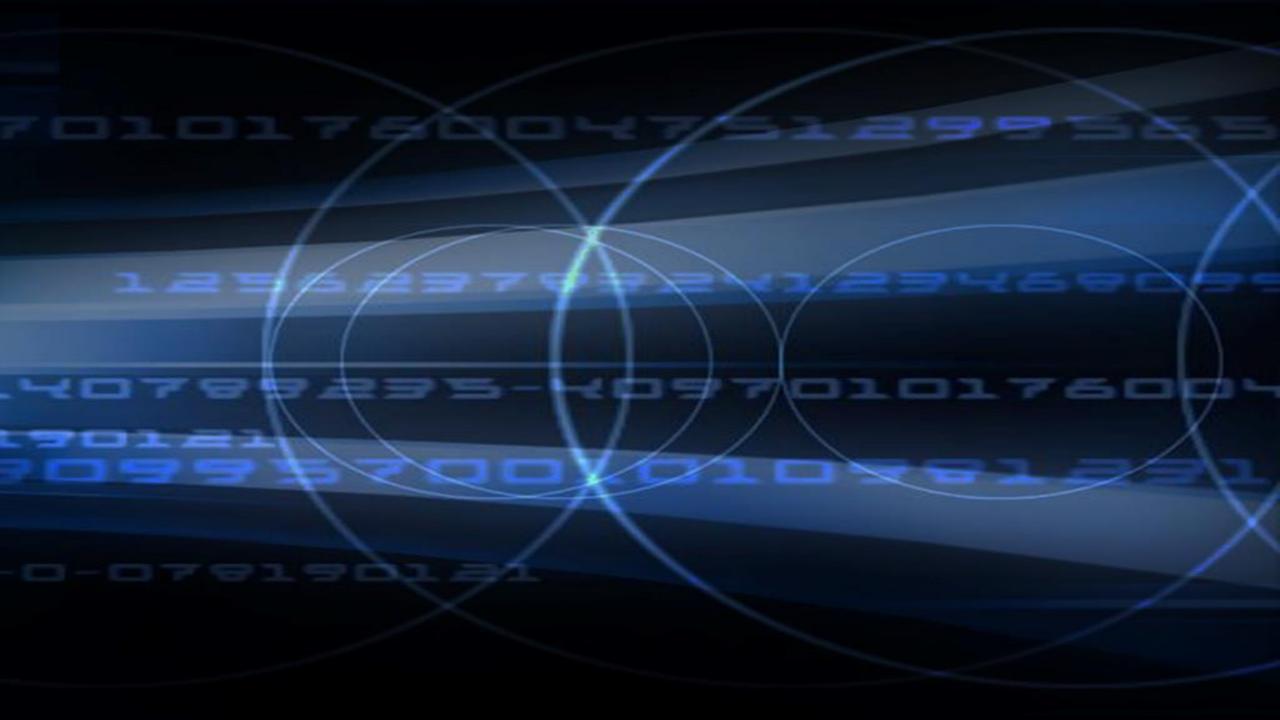




- **SUNPREDICTABLE**
- IS UNMEMORABLE
- FIGHTS REPETITION FATIGUE

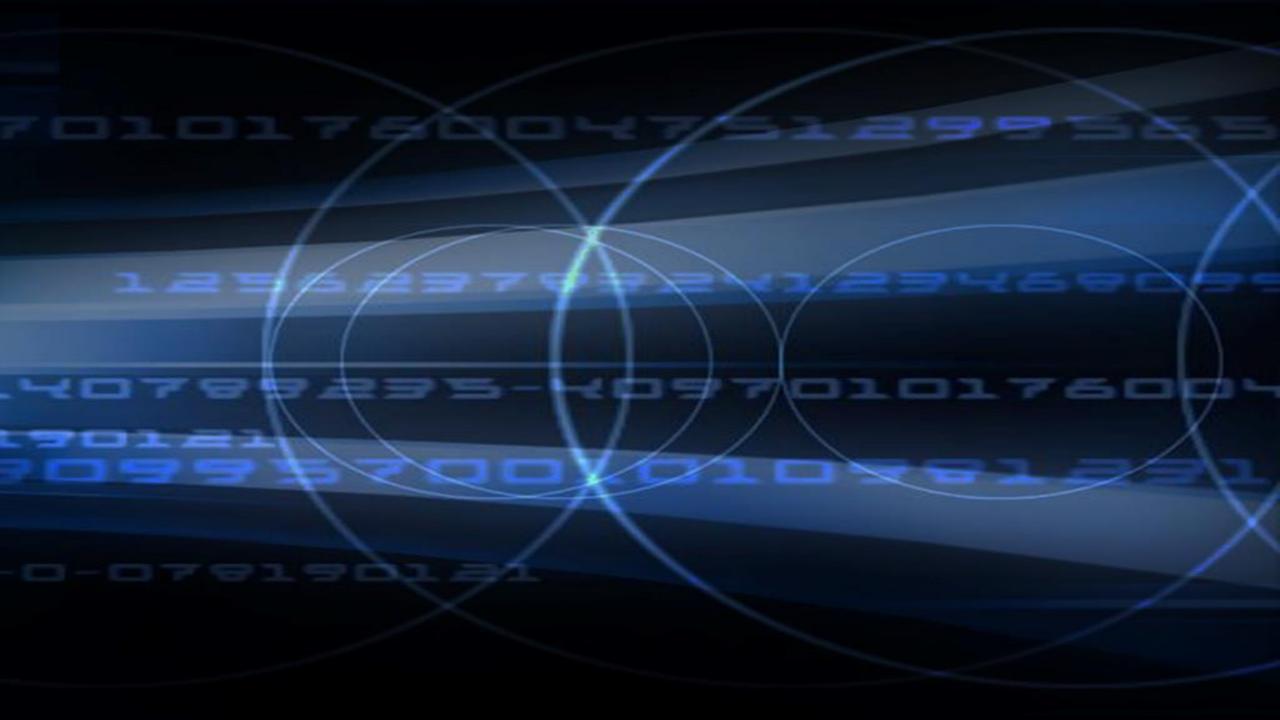








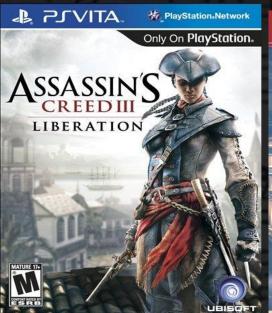


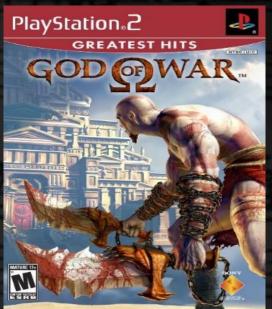






















ballblazer









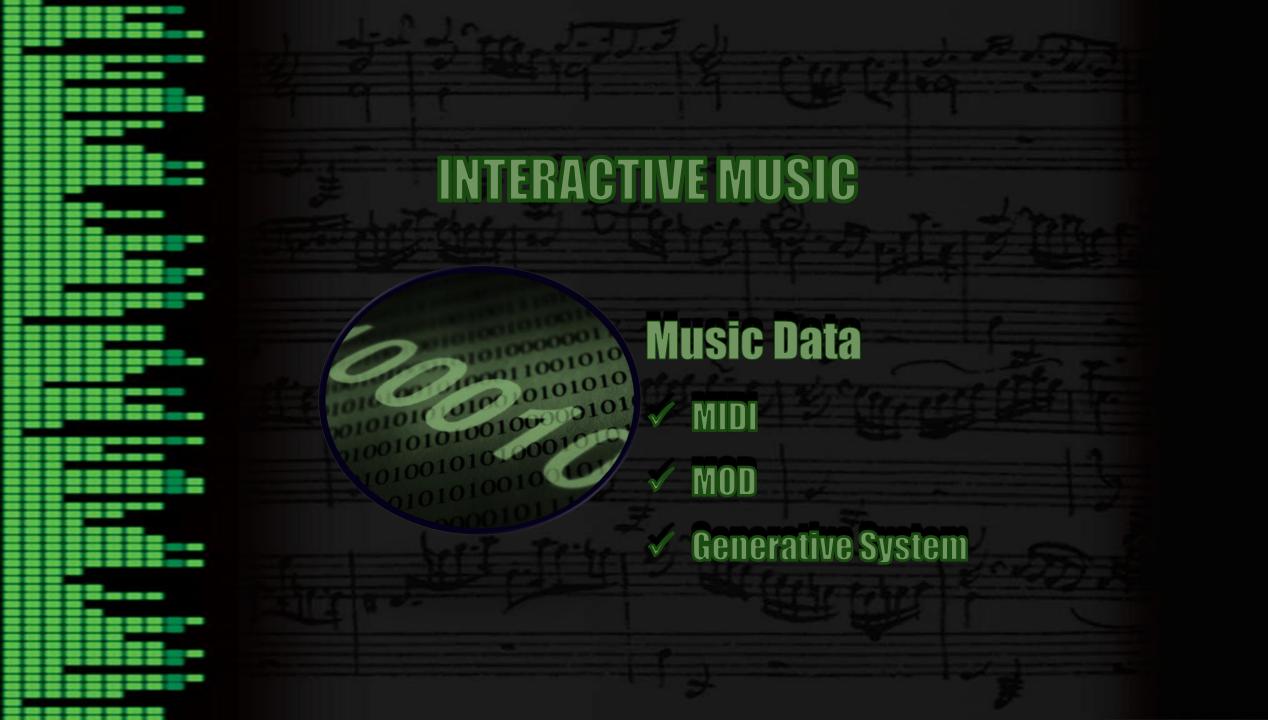


& ELECTROPLANKTON"



sound shapes...

INTERACTIVE MUSIC **Recorded Music** Horizontal Resequencing **Vertical Layering**





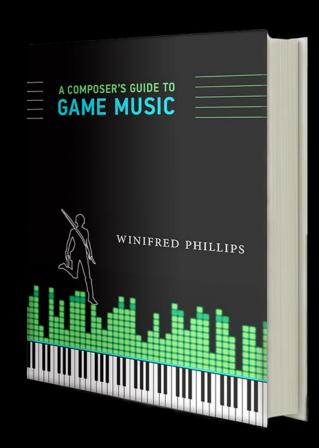












Advanced Composition Techniques for Adaptive Systems

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Facebook.com/winifredphillips

GAME DEVELOPERS CONFERENCE

MOSCONE CENTER · SAN FRANCISCO, CA MARCH 2-6, 2015 · EXPO: MARCH 4-6, 2015