



KU-VST

KU-VST is a suite of VSTs developed by Kounosoft

**3D Audio Spatialization
Reresentation VST**

KU-VST 3DH

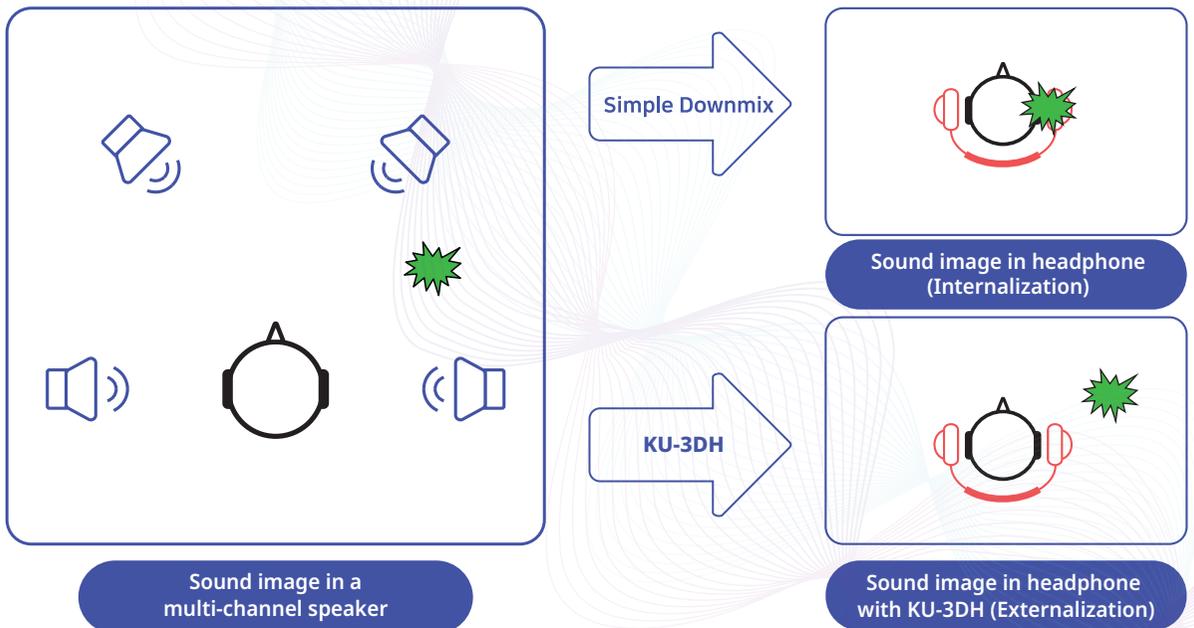
KU-3DH (3 Dimensional audio via Headphone)

VST for reproducing 3D Audio via Headphone reproduction environments

- One of the 3D audio product line
- Kounosoft released various kinds of VST
 - KU-3DS (3 Dimensional audio via Speaker)
 - KU-3DH (3 Dimensional audio via Headphone)
 - KU-PCaE (Pitch Change and Echo(and Reverb) generation)

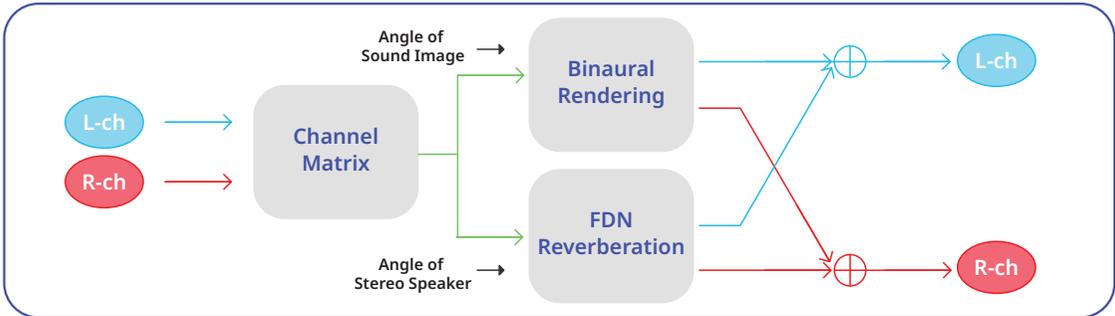
KU-3DH Functionality

- 3D audio reproduction via headphone reproduction environment



KU-3DH Technology

- KU-3DH applied **binaural rendering** and **FDN based Reverberation** technology
- Binaural rendering technology locate the sound image to surround position
- FDN-based reverberation technology allows for the creation of a variety of reverberations tailored to the space.



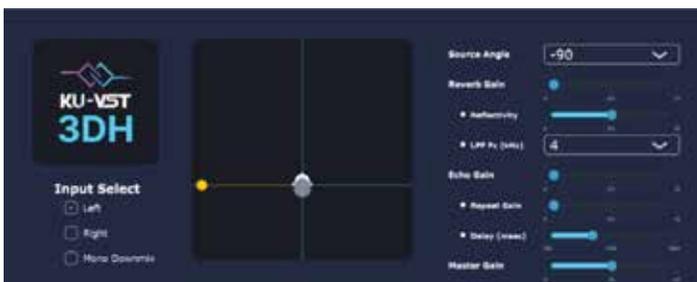
Effect of Binaural rendering

<Impulse Response for dry sound>
<Impulse Response for reverb sound>
<Impulse Response for echo sound>

Example of some IRs for reverb

* Paths indicated by dashed lines are subject to removal

KU-VST 3DH Parameters



Input Select

- Left Channel
- Right Channel
- Mono downmix (Left channel + Right channel)

Source Angle

- Adjustable Sound Angle : -120 ~ 120 (-30, -60, -90, -120, 30, 60, 90, 120)

Reverb

- Reverb gain : 0 ~ 1.0
- Reflectivity : 0 ~ 1.0
- LPF(Low Pass Filter) Fc(Center Frequency) : 2, 4, 6, 8, 10, 12 (kHz)

Echo

- Echo gain : 0 ~ 1.0
- Echo Repeat gain : 0 ~ 1.0
- Echo Delay : 0 ~ 5.0 second

KU-VST 3DH Applications



1 Music Creation



2 Film/Drama Production



3 YouTube Content Creation



4 Live Performance Mixing

KU-VST 3DH Supports DAW

Currently, KU-VST is available as a VST3 plugin compatible with Ableton Live, with plans for future support on DAWs like Nuendo and Logic Pro

Supports Now



Supports Future



Quick Start

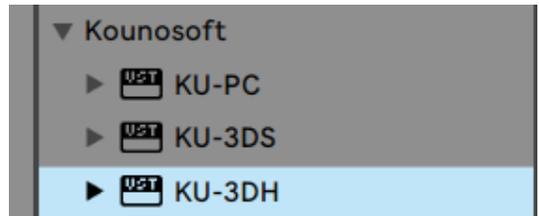


01

In Ableton Live, use the VST Plugin Scan button to locate KU-VST

02

Verify that KU-VST appears under the Plug-Ins section



03

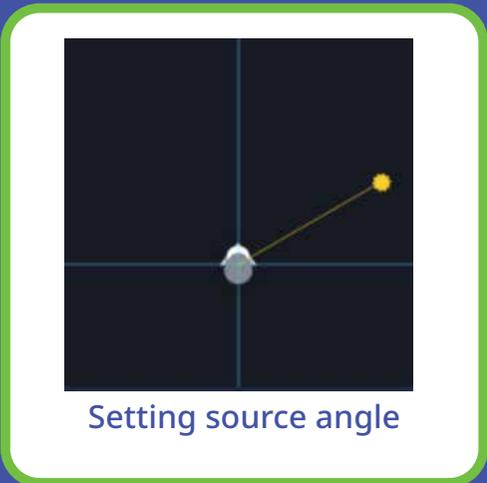
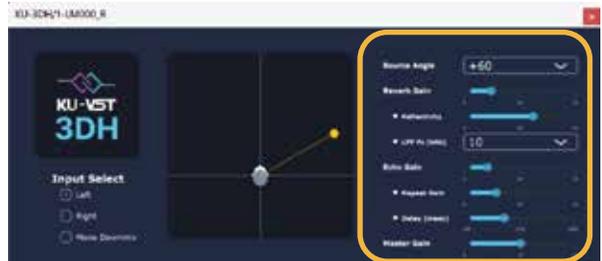
Drag the KU-VST from the Plug-Ins section and add it to the Ableton Live track with music data inserted



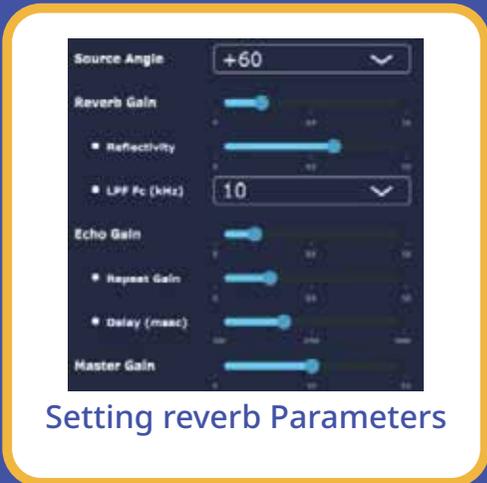
Quick Start

04

Setting the source angle and speaker angle



Setting source angle



Setting reverb Parameters

05

Click Play button in the DAW to experience the binaural spatial audio effect through headphone with KU-VST enable





KU-VST

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