
User Guide

Jayzen Wisdom Drone 10

Soundfont Format

The *Jayzen Wisdom Drone 10 Sample Library* is a collection of individually designed drone tones, created in the 12 tonic pitches of the Western Equal Temperament Scale.

This package includes both the *Wisdom Drone 2* and *Wisdom Drone 10* products. They are identical, except for the loops (2 and 10 second looped sample lengths). Using them together, for example in surround sound applications, can create amazing effects where the drone sound appears to slowly move around the room and morph in organic, non-predictable ways! They can also be used together to create a thick stereo “wall-of-sound” type effects.

The basic drone tone was composed using multiple analogue synthesizers which were recorded and mixed together to create the final sound. The settings of the synthesizers were duplicated in all 12 tonic pitches, and then each tone was adjusted to create the best sound quality and the most accurate tuning possible. Finally, each tone was processed to create an overall balance, bring out the richest harmonics, reduce any conflicting overtones, set the dynamic range, and give an overall match to all the other drones. The results were recorded at various resolutions, and then designed into Virtual Instruments and Audio Loops.

These audio loops were designed in 2 and 10 second intervals using our “Perfect Loop” process: a technical methodology that ensures the loop point is smooth and unnoticeable. Each drone tone has its own individual character and this was designed to fit in with the loop cycle – special care was taken with the 2 second loops used in this soundfont to ensure the cyclic nature of the loop fit in with the overall sound of the drone. (With over 3 minutes of original, non-cyclic audio to loop, there was a lot of territory to cover and many possible loop points – we selected the section that gave the most interesting sound, and which gave the best fit to the rest of the drone tones and the overall concept we were looking for).



Note 1: The two repeated tonics (G# and A) allow for better mixing and more options when changing keys at the ends of the scale, and also can be used to create the illusion of continuously ascending or descending key tonics. By mixing the upper and lower octaves of the same pitches together, the sound can be made to gently shift into the next tonic, creating the illusion of a continuous cycle.

Note 2: The reason for the choice of this particular tonic range was due to the constraints of the analogue synthesizers. Although the drone could have been recorded across a larger range, this is the best-sounding octave range for this sound. Also, the intended use of the drone is to sit at the lowest part of the frequency spectrum, thus acting as the tonic for the key of the music.



Technical Reference

File name: *Jayzen Wisdom Drone 2.sf2*
File size: 4.8 Mb
Patch format: Soundfont 2.1
Total patches: 3

Patch list:

P	Bank 1
0	<i>JVI W-Drone 2-fast</i>
1	<i>JVI W-Drone 2-med</i>
2	<i>JVI W-Drone 2-slow</i>

Bank: 1
Patches: 0 - 2
Patch Names: *JVI W-Drone 2-fast/med/slow*
Description: Collection of individually designed 2 second drone loops in each tonic pitch.
Sample format: 44.1 kHz, 16 bit, stereo
Total Samples: 14

- MIDI Note Range = G#1 (44) → A2 (57)
- One sample per note (no stretching).
- Three separate patches with different attack/release times.
- Drone notes are velocity sensitive.

Keyboard map:



File name: *Jayzen Wisdom Drone 10.sf2*
File size: 24.1 Mb
Patch format: Soundfont 2.1
Total patches: 3

Patch list:

P	Bank 1
0	<i>JVI W-Drone 10-fast</i>
1	<i>JVI W-Drone 10-med</i>
2	<i>JVI W-Drone 10-slow</i>

Bank: 1
Patches 0 - 2
Patch Names: *JVI W-Drone 10-fast/med/slow*
Description: Collection of individually designed 10 second drone loops in each tonic pitch.
Sample format: 44.1 kHz, 16 bit, stereo
Total Samples: 14

- MIDI Note Range = G#1 (44) → A2 (57)
- One sample per note (no stretching).
- Three separate patches with different attack/release times.
- Drone notes are velocity sensitive.

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