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## User Guide

# Jayzen Oaxacan Maracas

### *Soundfont version*

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The **Jayzen Oaxacan Maracas Sample Library** is a collection of stereo recordings taken of a set of very musical sounding wooden Maracas from Oaxaca, Mexico.

The soundfont file consists of a single library which maps the notes from F1 to C6 on the keyboard to the individual Maracas sounds.

The sounds have been laid out across the keyboard in a logical and intuitive manner.. Each octave has a particular characteristic articulation – with a special section of keys that feature advanced velocity-switching.

The particular envelope characteristic designed for each sample gives a fair amount of control over the final sound that is produced as it will vary according to how long (and hard) a key is pressed – and gives good control over the sound when MIDI programming. When playing or recording live, keeping the sustain pedal held down will let each note play out in full.

There are over 70 samples used to create the sounds, with some notes having up to 5 velocity layers. There are various swings in different styles, fast and slow, muted and open; long swooshes, short repeated phrases, short quick ‘crunchy’ sounds, and long slow swings where you can hear every bead fall into place. There are even a few sounds of the Maracas hitting against each other. In short, almost every imaginable sound has been captured from these Maracas - have fun with them!



A copy of the original MIDI file used to create the online demo has been included with the product package. The file has been saved in MIDI Format 1 - with each channel on a separate track to make it easier to edit for your own applications.

For detailed information about how to set up your software, please take a look in the “Tutorial Zone” on our website where we have posted a number of lessons on setting up and using Virtual Instruments with a few common digital audio editing software applications.



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# Technical Reference

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**File name:** *Jayzen Oaxacan Maracas.sf2*  
**File size:** 5.1 Mb  
**Patch format:** Soundfont 2.1 using 44.1 KHz, 16 bit stereo samples.  
**Total patches:** 1

*Fig. 1) Patch list:*

P	Bank 1
0	<i>JVI Oax Maracas</i>
1	

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**Bank/Patch:** 1, 0  
**Patch Name:** *JVI Oax Maracas*  
**Description:** Collection of various Maracas shakes, hits, effects, etc.

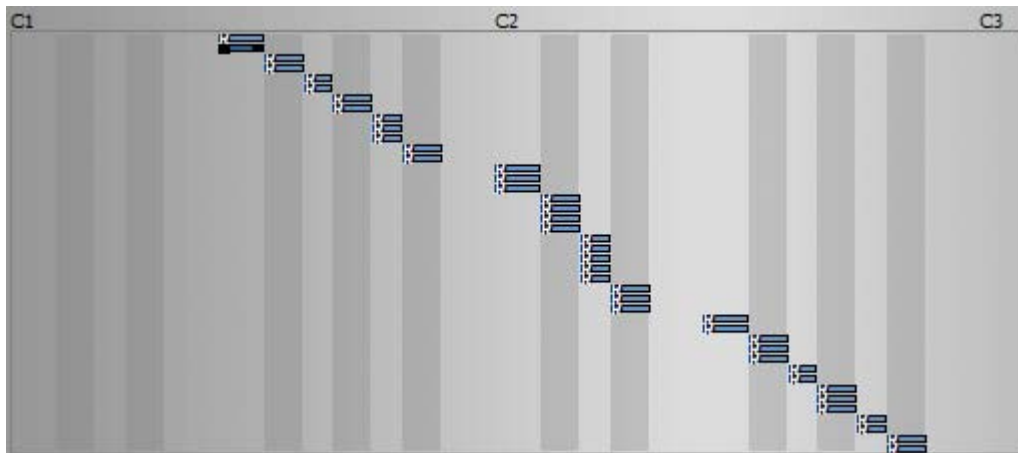
- MIDI Note Range = F1 (41) – C6 (96)
- One or more samples per note (no stretching).
- Velocity-switched notes feature carefully designed mix curves.
- Polyphonic (for creating the sound of two or more Maracas playing at the same time).

*Fig. 2) Keyboard map:*



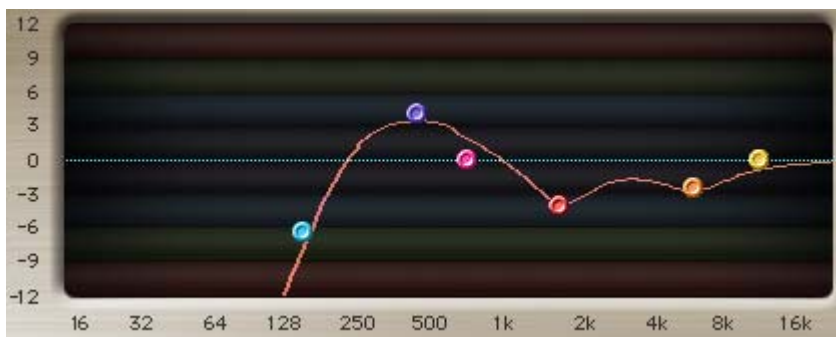
- Fig. 3 shows an example of the multi-sampled velocity-switched notes in the first two octaves – each rectangle represents a single sample that is assigned to a note. It is mixed with the other samples in the same vertical column according to carefully designed velocity mix curves. This results in tonal variations that change according to the dynamics of your playing style.

*Fig. 3) Velocity mapping example (C1 – C3):*



- This VI features full-frequency samples – this is to allow you maximum versatility when mixing. For a “smoother” Maracas sound, we suggest using the EQ curve shown in Fig. 4 below. (For example, you might start with this EQ when mixing the Maracas in with other percussive instruments for a better blend.)

*Fig. 4) EQ settings for creating a smoother sound:*



- Fig. 5 (next page) shows details of the MIDI note mapping, along with descriptive labels for each sound. You can use this chart to create a drum map for your specific software application.

**Fig. 5) Note layout/drum map (showing note names and MIDI note numbers):**

Clean Clunk	C 8	96
Rattle Clunk	B 7	95
	A 7	93
Fading Shimmer	G#7	92
Slow Shimmer 2	G 7	91
Slow Shimmer 1	F#7	90
Medium Shimmer 2	F 7	89
Medium Shimmer 1	E 7	88
Fast Shimmer 4	Eb7	87
Fast Shimmer 3	D 7	86
Fast Shimmer 2	Db7	85
Fast Shimmer 1	C 7	84
	B 6	83
Slow Swirl 2	Bb6	82
Slow Swirl 1	A 6	81
Medium Swirl 5	G#6	80
Medium Swirl 4	G 6	79
Medium Swirl 3	F#6	78
Medium Swirl 2	F 6	77
Medium Swirl 1	E 6	76
Low Fast Swirl 2	Eb6	75
Low Fast Swirl 1	D 6	74
High Fast Swirl 2	Db6	73
High Fast Swirl 1	C 6	72
	B 5	71
Reso Crunch	F#5	66
Dry Crunch	F 5	65
Hard Hit	Eb5	63
Medium Hit	D 5	62
Hard Slap	Db5	61
Medium Slap	C 5	60
	B 4	59
Hard Shake	Bb4	58
Medium Soft Shake	A 4	57
Short Reso Shake	G#4	56
Medium Reso Shake	G 4	55
Short Dry Shake	F#4	54
Medium Dry Shake	F 4	53
	E 4	40
Soft Shake	Eb4	51
Medium Shake	D 4	50
Long Shake 2	Db4	49
Long Shake 1	C 4	48
	B 3	52
Hard Zip	Bb3	46
Soft Zip	A 3	45
Short Slide 2	G#3	44
Long Slide 2	G 3	43
Short Slide 1	F#3	42
Long Slide 1	F 3	41

**Note:** MIDI note names are two octaves higher in this chart as this is the way they are displayed in the software used for testing. The names change with different software applications as there is no standard – (but the actual MIDI note numbers will remain the same).