



THE ORB

USER GUIDE

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1. The Orb

The Orb is a formant filter which simulate the characteristics of the human voice. With a set of three band pass filters, The Orb can transform any sound into a vowel-like formant-filtered sound. With the three LFOs you can modulate the Vowel, the Emphasis/Resonance of the formants, and the Drift, which can shift up or down the frequencies of each formant. You can also create your own set of vowels by changing name and frequency for each vowel/formant.

1.1 Specifications

- Three Band Pass Filters (ZDF design)
- Vowel Sets: Male, Female, Child and Custom
- 3 LFOs (destinations: Vowel, Emphasis and Drift)
- Lightweight on CPU
- Preset system with randomizer
- Formats: VST, AU, and AAX (32/64bit)
- Platforms: OSX, Windows

1.2 Installation

OSX

- Double click on the DMG image *AudioThing_TheOrb.dmg*
- Right click on the package *The Orb.pkg* and click open
- Follow the instructions to install the plug-in(s)

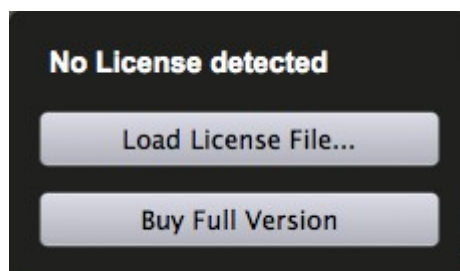
Windows

- Extract *AudioThing_TheOrb.rar*
- Run *TheOrbSetup.exe*
- Follow the instructions to install the plug-in(s)

1.3 Registration

Click on the *More* button and then choose *Registration*.

A popup window will open, click on *Load License File...* and locate your license file (*theorb_license.atl*).



2. Parameters

2.1 Orb



Each sector of the orb represents a **Vowel**. It's possible to change the vowel for each sector by clicking on the vowel name.

The distance from the center of the orb to the dot represent the amount of **Emphasis** (resonance) for each formant filter.

The angle inside each sector represent the amount of **Drift**, which is an amount in Hz that will be added or subtracted from each vowel formant.

2.2 Controls

Formants

<i>Smooth</i>	Controls how smooth is the transition between two vowels (or drift settings).
<i>Drift Range</i>	Controls an amount (in Hz) to be added or subtracted from each vowel formant.
<i>Drift Polarity</i>	Select if the Drift amount should be added (+), subtracted (-), or both (\pm).
<i>Formant 1, 2, 3</i>	The volume of each formant filter.

Vowels

<i>Amount</i>	Controls the amount of vowels inside the orb.
<i>Genre</i>	Controls the set of vowels between: male, female, child and custom
<i>Edit</i>	Shows the custom vowels settings (see below).

L.F.O.

<i>Rate</i>	Controls the speed of the L.F.O.
<i>Amount</i>	Controls the amount of modulation to apply.
<i>Phase</i>	Controls the start point of the waveform.

Master

<i>Limiter</i>	Enables a soft clip limiter.
<i>Gain</i>	Controls the output gain of the formant filters.
<i>Mix</i>	Controls the balance of the wet and dry signals.

3. Features

3.1 Randomizer

It is possible to randomize all the parameters in the interface by clicking on the Random button in the top bar.

Right-clicking on a parameter will show the Randomizer menu.



<i>Lock/Unlock Random</i>	Decides if the parameter can be randomized
<i>Lock All</i>	No parameters will be randomized
<i>Unlock All</i>	All parameters will be randomized

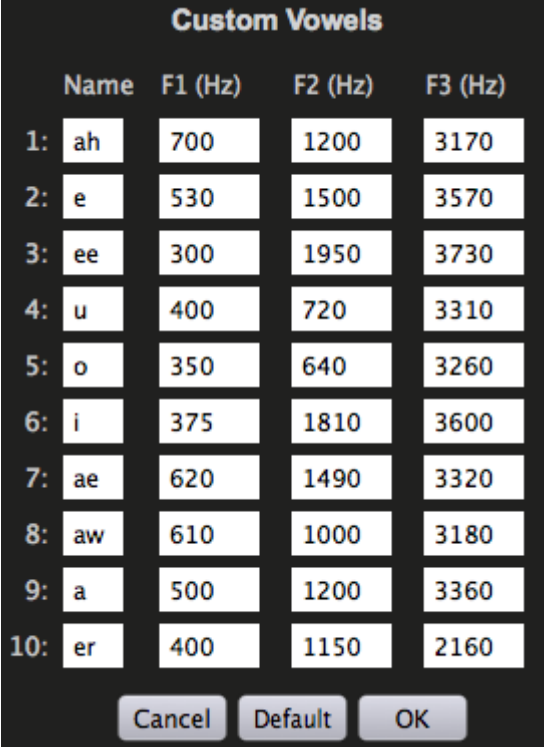
3.2 Custom Vowels

Clicking on the Edit button in the Vowels section, you can access the Custom Vowels window.

It's possible to change each vowel name and frequency for the three formants.

Each custom vowels set will be saved in a preset (or DAW session), so you can create as many as you want by saving to a new preset.

The default set is the same as the Male genre settings.



	Name	F1 (Hz)	F2 (Hz)	F3 (Hz)
1:	ah	700	1200	3170
2:	e	530	1500	3570
3:	ee	300	1950	3730
4:	u	400	720	3310
5:	o	350	640	3260
6:	i	375	1810	3600
7:	ae	620	1490	3320
8:	aw	610	1000	3180
9:	a	500	1200	3360
10:	er	400	1150	2160

Buttons: Cancel, Default, OK

3.3 Extended LFO Range

By clicking on the More button you can also enable/disable the Extended Range (0.01Hz to 2kHz) for the Rate parameters of the three LFOs.

4. End

4.1 Credits

Programming: Carlo Castellano

Design: John Gordon (vstyler)

4.2 EULA

Please visit www.audiothing.net/eula/ to review this product EULA.

4.3 Thank You

Thank you for buying this product! We hope you will have as much fun using it as we had making this product. For help or any question, feel free to contact us here: www.audiothing.net/contact/

