WayOutWare Odyssey

User Guide

English

Manual Version 1.1

Introduction

Thank you for purchasing the WayOutWare Odyssey plugin instrument. The WayOutWare Odyssey plugin is a software recreation of the classic analog synthesizer that captures the character and nuance of the original Odyssey using WayOutWare's experience and expertise in circuit modeling and signal processing.

This user guide explains the features and functions of the plugin instrument. For more information on using this plugin with other software, please refer to your software's documentation for adding and using plugin instruments.

System Requirements & Product Support

For complete system requirements and compatibility information, visit **airmusictech.com**.

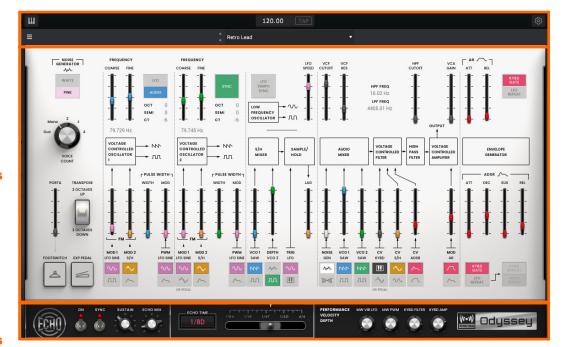For technical support, visit **support.airmusictech.com**.

Installation

1. Double-click the **.exe** (Windows) or **.pkg** (macOS) file you downloaded. Follow the on-screen instructions to install the software.

2. Open the plugin application.

3. Click **Sign In** to sign into your inMusic Brands Profile using your Internet browser. If you do not have an inMusic Brands Profile yet, you will be prompted to create one.

4. Once you have signed in, click **Activate** in the plugin window to enter your serial key to unlock the plugin. You can unlock each plugin on up to three devices at a time.

5. If you do not have a serial key, you can click **Try Unlicensed** to explore the plugin with intermittent audio alerts. You can also click **30-Day Trial** to initiate a free, fully featured trial of the plugin for 30 days.

   If you would like to purchase a serial key, click the link to purchase a license at **profile.inmusicbrands.com**.

Operation

Overview

Setup Section

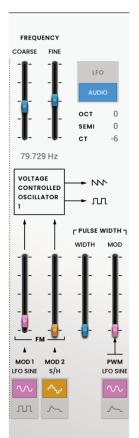**Synth Controls**

Echo / Global Controls

Setup Section

1. **Keyboard:** Click this icon to enable or disable the virtual keyboard. When enabled, you can click these keys to input notes, or view notes being played on an external MIDI device.

2. **Tempo:** Displays the current plugin tempo. To change the tempo:

    *   Click the number and use your keyboard to input a new value.

    *   Click and drag the tempo value up or down using your cursor.

    *   Click the **Tap** button at regular intervals.

3. **Settings:** Click this icon to open the Settings window, where you can set the following parameters:

    *   **Output:** to select an audio hardware driver in your computer system. Click the **Test** button to play a test tone for checking your audio output settings. (Careful! You should lower the volume on your audio system beforehand.)

    *   **Sample Rate:** Click this drop-down menu to select the desired sample rate for your project. This depends on the available sample rates of the type of MPC hardware you are using or of your audio interface (i.e., select **96000 Hz** only if your interface allows a 96 kHz sample rate).

    *   **Audio Buffer Size:** Click this drop-down menu to set your audio system's latency. Lower values result in a more immediate playing response but also more CPU consumption. If you are working with larger projects, this may cause audible clicks and pops. Higher values are more CPU-friendly but can produce more delay between pressing a pad and hearing the corresponding sound. The ideal audio buffer size also depends on your computer's CPU performance. Experiment with this to find the best setting for your system.

    *   **Active MIDI Inputs:** Displays available MIDI input devices. To enable a device, check the box next to its name.

    *   **Bluetooth MIDI:** Click this icon to open your system's Bluetooth settings menu, where you can select a Bluetooth-enabled MIDI device to control the plugin.

4. **Menu:** Click this icon to open the menu, where you can find the following options:

    *   **Scale:** Click here to select a value to scale the plugin window to a new size.

    *   **Load Preset:** Click here to load a saved preset.

    *   **Save Preset:** Click here to save the current preset.

    *   **Open User Guide:** Click here to open this User Guide.

    *   **About:** Click here to view plugin version information.

5. **Preset:** Click this drop-down menu to view the list of included plugin presets. You can also click the up and down arrows next to this field to move to the previous or next preset.
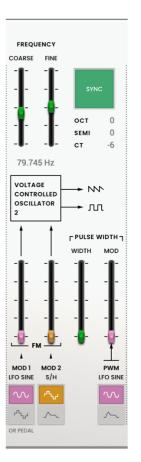
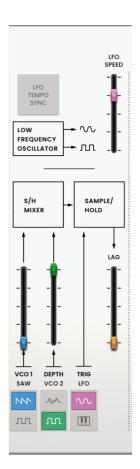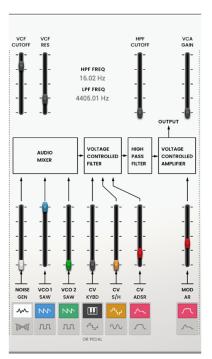| Parameter		Description	Value Range
Noise		Type of noise used for the noise generator.	White, Pink
Voice Count		Number of voices available. When set to Duo, each VCO controls a separate note.	Duo, Mono, 2–4
Portamento		Length of time to slide between notes.	0.000 – 1.500 seconds
	Exp Pedal	Enables or disables the use of an expression pedal to control portamento.	Off, On
	Footswitch	Enable or disables the use of a footswitch to activate portamento.	Off, On
Transpose		Amount of transposition applied to the keyboard.	-2, 0, +2 octaves

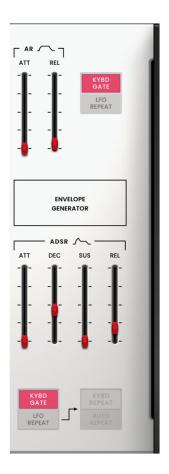| Parameter		Description	Value Range
Frequency		Determines the pitch adjustment for the oscillator. The total frequency range depends on the **LFO/ Audio** setting, and is shown at the bottom of this section.	0.174 – 1478.852 Hz
	Coarse	Coarse pitch adjustment.	-0.200 – 6.333 V
	Fine	Fine pitch adjustment.	0.000 – 0.875 V
LFO/Audio		When set to **Audio**, standard pitches will be produced as indicated by the **Oct**, **Semi** and **CT** values for the Frequency setting. When set to **LFO**, the VCO will be controlled by an LFO and may be used for modulating VCO2.	LFO, Audio
VCO 1 FM	Mod 1 Depth	Depth of frequency modulation.	0.0–100.0%
	Mod 1 Waveform	Type of frequency modulation waveform applied by the LFO.	LFO Sine, LFO Square
	Mod 2 Depth	Depth of Source 2 modulation.	0.0–100.0%
	Mod 2 Source	Determines the frequency modulation source.	S/H, ADSR
VCO 1 Pulse Width	Width	Width of pulse width modulation.	50.0–90.0%
	Mod	Depth of pulse width modulation.	0.0–100.0%
	Source	Determines the pulse width modulation source.	LFO Sine, ADSR

Parameter		Description	Value Range
Frequency		Pitch adjustment for the oscillator.	8.706 – 1478.852 Hz
	Coarse	Coarse pitch adjustment.	-0.200 – 6.333 V
	Fine	Fine pitch adjustment.	0.000 – 0.875 V
Sync		Determines whether VCO 2 is synced with the frequency of VCO 1. When disabled, you can use both VCOs to produce separate pitches.	Off, On
VCO 2 FM	Mod 1 Depth	Depth of Source 1 modulation.	0.0–100.0%
	Mod 1 Source	Type of modulation source. When S/H Mixer or Pedal is selected, the modulation can be controlled by the Sample and Hold mixer or by an optional external expression pedal.	LFO Sine, S/H Mixer or Pedal
	Mod 2 Depth	Depth of Source 2 modulation.	0.0–100.0%
	Mod 2 Source	Type of modulation source.	S/H, ADSR
VCO 2 Pulse Width	Width	Width of pulse width modulation.	50.0–90.0%
	Mod	Depth of pulse width modulation.	0.0–100.0%
	Source	Type of source for pulse width modulation.	LFO Sine, ADSR

Parameter		Description	Value Range
LFO	LFO Tempo Sync	Determines whether LFO speed is free floating or synced to project tempo.	Off, On
	LFO Speed	Speed of the low frequency oscillator. When **Sync** is **Off**: When **Sync** is **On**:	0.0925 – 20.0000 Hz 4/4 – 1/64 beats
Sample/Hold	VCO 1	Level of the VCO-1 input.	0.0–100.0%
	VCO 1 Source	Selects the VCO-1 waveform or pulse width modulation as Sample and Hold input.	Saw, Pulse
	VCO 2 Depth	Level of the noise or VCO-2 input.	0.0–100.0%
	VCO 2 Source	Selects a noise generator or the VCO-2 pulse width modulation as Sample and Hold input.	Noise, Pulse
	Trigger	Determines the source signal for triggering the Sample and Hold mixer, either the Low Frequency Oscillator or the pitched Keyboard output.	LFO Trigger, KYBD Trigger
	Lag	Adjusts the smoothing of the Sample and Hold output voltage.	0.0–100.0%

Parameter		Description	Value Range
VCF	VCF Cutoff	Cutoff frequency of the filter.	0.680 – 10.645 V, or 16.02 – 16012.70 Hz
	VCF Res	Resonance of the filter.	0.000 – 0.800 Q
Audio Mixer	Noise/Ring Mod Level	Level of the noise generator or ring modulation into the mixer.	0.0–100.0%
	Noise/Ring Mod	Select the noise generator or ring modulation input for the mixer.	Noise, Ring Mod
	VCO-1 Level	Level of VCO-1 into the mixer.	0.0–100.0%
	VCO-1 Input	Select the VCO-1 input type for the mixer.	Saw, Pulse
	VCO-2 Level	Level of VCO-2 into the mixer.	0.0–100.0%
	VCO-2 Input	Select the VCO-2 input type for the mixer.	Saw, Pulse
VC Filter	CV Modulation Level	Level of VCO-1 filter modulation.	0.0–100.0%
	VCO-1 Filter Modulation Source	Set the input source for VCO-1 filter modulation. Select **KYBD CV** to use key input as the source. Select **S/H Mixer or Pedal** to use the Sample and Hold generator or optional external pedal.	KYBD CV, S/H Mixer or Pedal
	CV Modulation Level	Level of VCO-2 filter modulation.	0.0–100.0%
	VCO-2 Filter Modulation Source	Set the input source for VCO-2 filter modulation.	S/H, LFO Sine
HP Filter	Filter Modulation Source	Select which envelope generator to use as a filter modulation source.	ADSR, AR
	CV Filter Modulation Level	Amount of envelope filter modulation applied to the VC Filter.	0.0–100.0%
	HPF Cutoff	Cutoff frequency of the high-pass filter.	0.680 – 10.645 V, or 16.02 – 16012.70 Hz
VC Amp	Mod Source	Select which envelope generator to use as an amplitude modulation source.	ADSR, AR
	Mod	Amount of envelope modulation applied to the output signal.	0.0–100.0%
	VCA Gain	Amount of gain applied to the VC Amp.	0.0–100.0%

Parameter		Description	Value Range
AR	Attack	Attack time of the AR envelope generator.	0.003 – 10.000 seconds
	Release	Release time of the AR envelope generator.	0.003 – 10.000 seconds
	Trigger Source	Determines the input source sent to the AR envelope generator. When set to **KYBD Gate**, the envelope generator is triggered by key input. When set to **LFO Repeat**, the envelope generator is trigger by the LFO pulse wave.	KYBD Gate, LFO Repeat
Envelope Generator	Attack	Attack time of the ADSR envelope generator.	0.003 – 10.000 seconds
	Decay	Decay time of the ADSR envelope generator.	0.003 – 10.000 seconds
	Sustain	Sustain time of the ADSR envelope generator.	0.000 – 10.000 V
	Release	Release time of the ADSR envelope generator.	0.003 – 10.000 seconds
	Trigger Source	Type of input to trigger the envelope generator.	KYBD Gate, LFO Repeat
	Repeat	When **Trigger Source** is set to **LFO Repeat**, select **KYBD Repeat** for the LFO to trigger only when a key is pressed, or select **Auto Repeat** for the LFO to trigger automatically without key input.	KYBD Repeat, Auto Repeat

Echo / Global Controls

Parameter		Description	Value Range
Echo	On	Enables or disables the echo effect.	Off, On
	Sync	Enable to sync the **Echo Time** to the **Global Tempo**, or disable to adjust the **Echo Time** by milliseconds.	Off, On
	Sustain	Length of time that the echo continues playing.	0.0–100.0%
	Echo Mix	Adjusts the wet/dry amount between the original sound and the echo.	100% Synth – 50/50% – 100% Echo
	Echo Time	Amount of time between the dry signal and the delayed signal. Use the slider or the Echo Time field to change the value.	
		When **Sync** is **Off**:	0.02 – 5.00 seconds
		When **Sync** is **On**:	1/64 – 4/4
Performance Velocity Depth	MW Vib LFO	Amount of vibrato LFO applied by the mod wheel.	0.0–100.0%
	MW PWM	Amount of pulse width modulation applied by the mod wheel.	0.0–100.0%
	KYBD Filter	Amount that the filter is tied to the pitch being played.	0.0–100.0%
	KYBD Amp	Amount that the amplitude is tied to the pitch being played.	0.0–100.0%

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