

KORG VOLCA Micro
Modular Synthesizer



KORG VOLCA Micro Modular Synthesizer User Guide

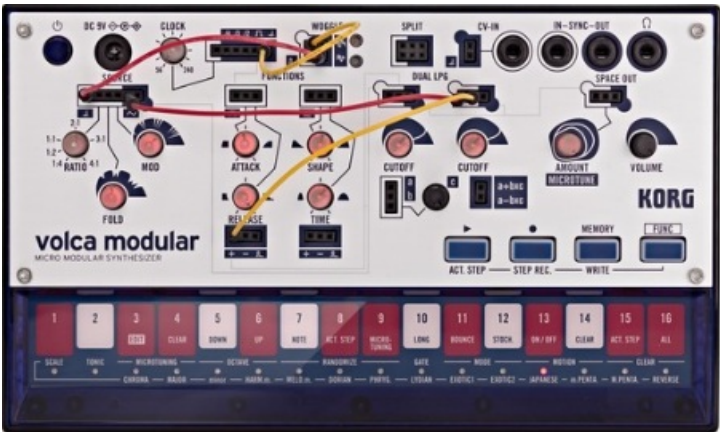
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KORG VOLCA Micro Modular Synthesizer



Patching Key

Audio in
Symbolized by a line with an arrow pointing towards a module.

CV in

Symbolized by a line with a circle at the end pointing towards a module.

CV out is

Symbolized by a line with a circle at the start pointing away from a module.

Audio out

is Symbolized by a line with an arrow pointing away from a module.

Sequences

Third

Indicated by a line with three divisions connected to the Clock.

Fourth

Indicated by a line with four divisions connected to the Clock.

Clock Offset

Adjustable from -100% to +100%, represented by a knob.

Half

Indicated by a line with two divisions connected to Gate.

Gate

Indicated by a line with notches connected to Pitch.

Pitch

Represented by a line marked with 0.5V/OCT.

Source

Fold

Connection from the Fold module to the Modulator and Carrier.

Ratio

Connection from Ratio to the Modulator and Carrier.

Pitch

Connection from Pitch to the Modulator and Carrier.

Modulator

Represented with connections to Ratio, Mod, and Fold, with wave shape controls from 0 to fold and 100.

Carrier

Represented with connections to Ratio, Mod, and Fold, with an output.

Functions

Gate

Connections to Attack and Release, with trigger input and invert controls, and end trigger output.

Attack

Control knob connected to the Gate.

Release

Control knob connected to the Gate.

Trigger

Connection point on the Gate module.

Shape

Control knob connected to the Envelope Generator, with invert controls and end trigger output.

Time

Control knob connected to the Envelope Generator.

Woggle**Sample**

Connections to Trigger and Noise, with stepped and smooth outputs.

Trigger

Connection point on the Sample & Hold.

Noise

Connection point on the Sample & Hold.

Smooth

Output from the Sample & Hold module.

Split**Input1**

Connection point leading to Output1-A and Output1-B.

Output1-A

Output connection from Input1.

Output1-B

Output connection from Input1.

Input2

Connection point leading to Output2-A and Output2-B.

Output2-A

Output connection from Input2.

Output2-B

Output connection from Input2.

LPG (Low Pass Gate)**Signal**

Input and output connections with a Level control knob.

Level

Control knob between the Signal input and output.

Cutoff

Control knob connected to Low Pass Filter.

Space Out**Signal**

Input and output connections with Amount control.

Amount

Control knob between the Signal input and output.

Volume

Control knob for the reverb module's output.

Utility

a, b, c

Input points that are processed to produce outputs $a+bx$ and $a-bx$.

Specifications

Feature	Description
Brand	KORG
Model	volca modular
Type	Micro Modular Synthesizer

Basic Patches

A modulator as 2nd VCO

SOURCE to FUNCTIONS

Connection from the Fold output of the SOURCE to the MOD input of the FUNCTIONS.

FUNCTIONS to DUAL LPG connection from the CUTOFF output of the FUNCTIONS to the CUTOFF input of the DUAL LPG.

LFO Modulation

SOURCE to FUNCTIONS

Connection from the Fold output of the SOURCE to the MOD input of the FUNCTIONS.

FUNCTIONS to DUAL LPG connection from the CUTOFF output of the FUNCTIONS to the CUTOFF input of the DUAL LPG.

Portamento

CLOCK to WOGGLE

Connection from the Clock output to the Woggle input.

WOGGLE to SOURCE

Connection from the Woggle output to the Source input.

Ring Modulation

SOURCE to UTILITY

Connection from the Fold output of the SOURCE to the a input of the UTILITY.

UTILITY to DUAL LPG

Connection from the a+bx output of the UTILITY to the CUTOFF input of the DUAL LPG.

FAQ

What is the purpose of the Patching Key?

The Patching Key provides visual symbols for audio and CV (Control Voltage) connections within the synthesizer to guide users on how to connect modules.

How can the Sequences section be utilized?

The Sequences section helps in creating rhythmic patterns and controlling the timing of signals by using different clock divisions and offsets.

What is the function of the Woggle module?

The Woggle module is a sample and hold module that can generate random voltages, contributing to the creation of complex and unpredictable sounds.

How is the Space Out module used?

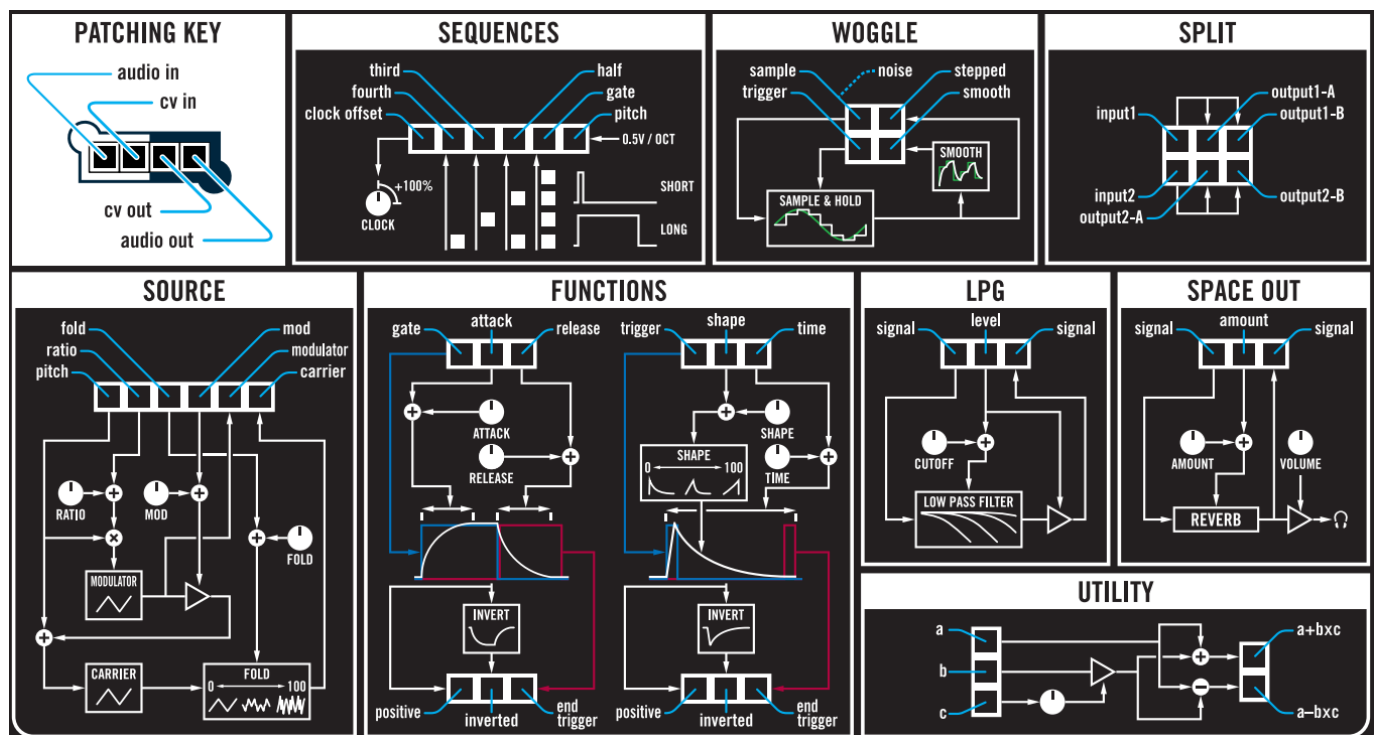
The Space Out module adds reverb to the sound, with adjustable amount and volume, creating a sense of space and depth.

What are the Basic Patches for?

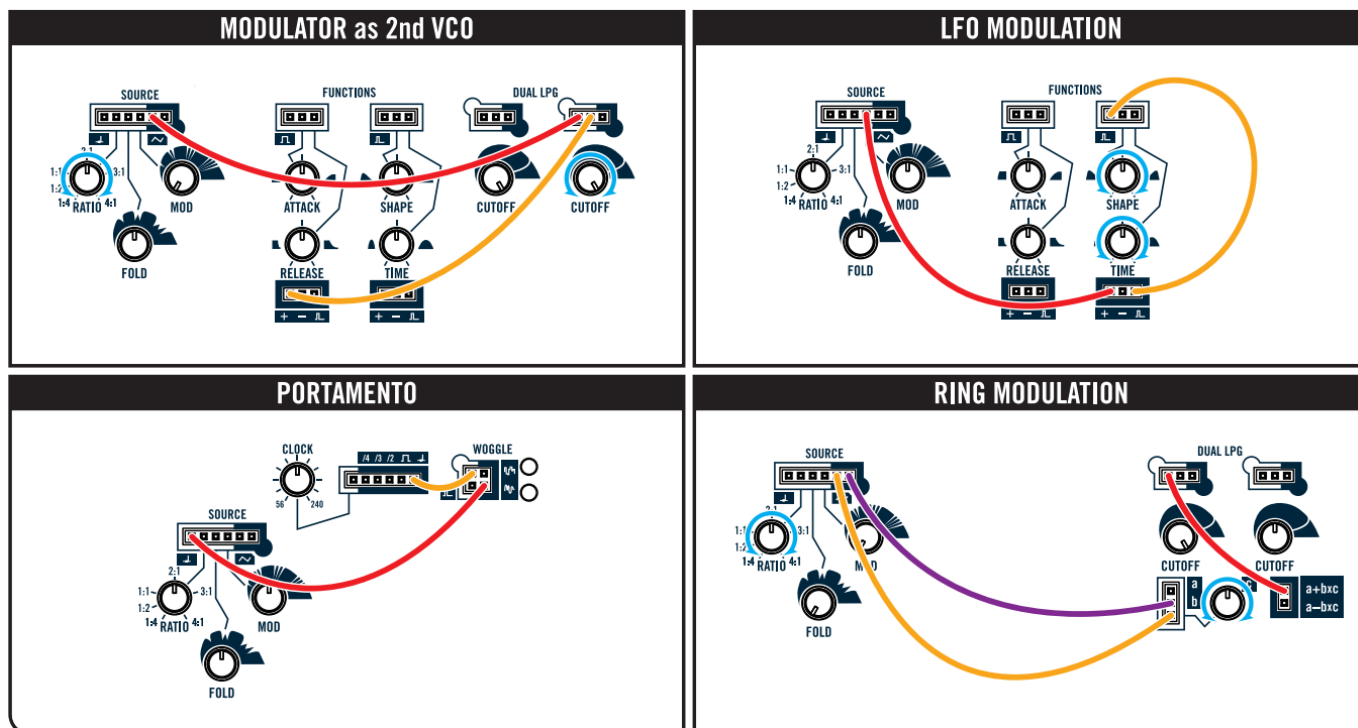
Basic Patches provide example configurations that demonstrate how to use the synthesizer's modules to create different sounds and effects.

For more detailed information and additional resources, visit Manual-Hub.com – Free PDF manuals!

Module Reference



Basic Patches



Documents / Resources

	<p>KORG VOLCA Micro Modular Synthesizer [pdf] User Guide</p> <p>VOLCA Micro Modular Synthesizer, VOLCA, Micro Modular Synthesizer, Modular Synthesizer, S ynthesizer</p>
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References

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