

# Korg – Volca Bass

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- [Manual PDF](#)
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It looks like you've attached the manual pages for the **Korg Volca Bass**, which is **not** a Eurorack module but a standalone analog groovebox (though it does feature some connectivity often useful in modular setups!). Still, here is a concise "cheat sheet" for reference, formatted for Eurorack musicians and modular context, and including all requested info.

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[Korg Volca Bass Manual PDF](#)

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## Korg Volca Bass Cheat Sheet

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### Overview

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- **Standalone analog bassline groovebox**
  - 3 VCOs (saw/square), analog 12dB/oct filter, sequencer, MIDI, and SYNC I/O
  - Not a Eurorack-powered module, but can interface with modular/sequencer systems
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### Inputs & Outputs

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Jack/ Terminal	Type	Function	Voltage Range
DC 9V	Barrel Jack	Power (use ONLY specified adapter)	9V DC center+

Jack/ Terminal	Type	Function	Voltage Range
MIDI IN	5-pin DIN	External MIDI note, sync, control	MIDI Standard
SYNC IN	3.5mm TS (Mono)	Clock Input (step advance)	Up to 20V, typically 5V pulses (15ms)
SYNC OUT	3.5mm TS (Mono)	Clock Output (step pulse: for chaining devices)	5V pulse (15ms)
Headphone OUT	3.5mm TRS	Main audio output (also disables speaker)	Line/headphone

*No CV/Gate inputs for pitch or modulation. Only sync and MIDI input for control!*

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## Panel Controls

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### Knobs:

- **OCTAVE:** Select active keyboard octave
- **TEMPO:** Sequencer tempo
- **VOLUME:** Output level
- **VC01/2/3 PITCH:** Pitch offset per VCO (+/- 1 octave)
- **CUTOFF (VCF):** Filter cutoff frequency
- **PEAK (VCF):** Filter resonance (emphasis)
- **EG ATTACK:** Envelope attack time
- **EG DECAY/RELEASE:** Envelope decay/release time
- **EG INT:** Envelope-to-filter depth
- **LFO RATE:** LFO speed
- **LFO INT:** LFO depth/intensity

## Buttons:

- **VCO1/2/3:** Toggle/mute active oscillators for editing/playing
- **FUNC:** Hold for accessing parameter/secondary functions
- **MEMORY:** Sequence memory access/save
- **STEP MODE:** Enter step sequencing mode
- **PLAY (▶):** Play/Stop sequencer
- **REC (●):** Enter record mode

## Touchpad:

- **Multi-touch Keyboard:** Play notes (used for inputting sequence notes)

## Step Buttons (1-16):

- For sequencer steps, global settings, or saving sequences depending on mode
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## Voltage/Control Summary

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- **SYNC IN:** Accepts 5V clock pulse ("step" clock, not 1V/octave or gate), 15ms or typical modular gates fine
  - **SYNC OUT:** Provides 5V clock pulse, 15ms, per step (can mult to modular for clocking)
  - **Headphones OUT:** Main audio—can be patched to mixer or external modular effects, line level
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## Hidden/Advanced Features

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- **Step Recording, Active Steps, Slide Editing:** Hold FUNC, press REC/STEP MODE, edit on step buttons
- **Mute VCOs:** Hold FUNC + VCO1/2/3 button
- **Group VCOs:** Hold FUNC + step 1/2/3 (choose unison/chord mode for sequencing)

- **LFO Target:** FUNC + steps 4-6 (amp, pitch, cutoff mod)
  - **LFO Shape:** FUNC + step 7 (triangle/square)
  - **Oscillator shape per VCO:** FUNC + steps 8-10
  - **Envelope Sustain/AMP:** FUNC + steps 11/12
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## SYNC & Modular Use

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- **SYNC IN:** Compatible with modular 5V triggers/gates for clock. Use as a sync'd sequencer or drum-clock source/target.
  - **SYNC OUT:** Use as a clock source to chain to other gear, modular clock dividers, sequencers, etc.
  - **No direct CV pitch or gate inputs!** Only step advance is supported for modular sync.
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## Memory & Global Settings

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- **Sequence Memory:** 8 slots (select with MEMORY + 1-8)
  - **MIDI Channel:** Hold MEMORY while powering on, select 1-16
  - **Battery Type/Other Globals:** Hold FUNC while powering on, set with step keys
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## Reference

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- **Audio Output:** Stereo mini-jack; can patch to modular mixers/ recorders but may need attenuation
  - **Sync Jacks:** Pass modular clocks/triggers directly; can clock from Eurorack modules
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