

Thank you for purchasing Erica Synths **Black Wavetable VCO**! It comes 1V/oct calibrated, but PSUs on modular synths are so different, therefore, if needed, you can perform the calibration procedure specifically for your modular setup. We have introduced two step calibration where you will need precise 5,000V and 1,000V CV source (you can use midi-cv keyboard with 5 octaves range). To perform a calibration procedure, follow these steps:

1. Disconnect your Black Wavetable VCO from the PSU.
2. Connect a patch cable to the CV source and make sure, you get 1,000V (exactly **one** volts) on the output – you can play C1 on the midi-cv keyboard.
3. Push and hold BANK SELECT button on Black Wavetable VCO and connect it to the PSU on your modular! All bank LEDs will start to blink. Now you can release BANK SELECT button.
4. Connect 1,000V patch cable to 1V/oct input of the Black Wavetable VCO!
5. Push BANK SELECT button promptly to initiate the calibration step 1.
6. Now set the CV source to 5,000V (exactly **five** volts) – you can play C5 on the midi-cv keyboard.
7. Push BANK SELECT button promptly to initiate the calibration step 2.
8. Bank 1 LED will stay on, and this means that you have successfully calibrated the VCO!

The new firmware also provides few more cool features.

1. You can activate suboscillator PHASE LOCK. This will eliminate slight drifting of suboscillator phase that emulates lightly detuned analogue VCO. To do so push and hold BANK SELECT button for 10" till all bank select LEDs will blink once. To deactivate phase lock, push and hold BANK SELECT button for 10" till all bank select LEDs will blink three times.
2. You can SAVE SELECTED BANK. If you power off your modular synth, and on next power on you wish to have same bank initiated, flip COARSE/FINE SWITCH 4 times. The bank setting will be saved.

Enjoy!
Erica Synths team