Analog 4-Voice Polyphonic Synthesizer with 37 Full-Size Keys, 4 VCOs, VCF, 2 LFOs, 2 Envelopes, Sync and Cross Modulation and Arpeggiator



# Service Support Bulletin

### History

Date	Version	Note
2021-03-03	Rev0	Initial version

### Requirement

This calibration function is only available on 1.0.5 or later version firmware.

### How to start calibration



Power off MONOPOLY first.



Long press and hold button HOLD and POLY simultaneously.







Cycle power on MONOPOLY.



Wait approximately 2 seconds until power LED blinking slowly.



Release all buttons.

### Sub Calibration Menu

There are 3 sub calibration menus. Press the corresponding button to enter the sub menu.

Menu (Channel)	Buttons	Function	Button LEDs	VCO LEDs
1	MONO UNISON	PITCH WHEEL MAX/MIN	indicates PITCH WHEEL position	VCO1 LED on
2	POLY UNISON	PITCH WHEEL dead zone	indicates PITCH WHEEL dead zone	VCO2 LED on
3	POLYPOLY	MOD WHEEL MAX/MIN	indicates MOD WHEEL position	VCO3 LED on

#### Tip:

You can only calibrate one channel at a time. Ignore the other channels if you don't want to change them.





### **Calibration Procedure**



Follow all steps in the order they are presented.



### **Start BEND WHEEL Calibration**

Press button MONO UNISON, then VCO1 LED will illuminate.



### **Calibrate BEND WHEEL maximum position**

Move the BEND WHEEL to its maximum position.

BEND	MG1	



#### **Calibrate BEND WHEEL minimum position**

Move the BEND WHEEL to its minimum position.





#### **Start BEND WHEEL dead zone calibration**

This step is to ensure that no bend information is sent while bend wheel is not being touched.

- 1. Make sure the BEND WHEEL is released and returned to its center position before further operation.
- 2. Press button POLY UNISON, then VCO2 LED will light up.





#### **Calibrate BEND WHEEL dead zone**

Move the BEND WHEEL within the dead zone where you don't feel the tension of the spring.

BI	END	MG1



#### **Start MG1 WHEEL Calibration**

Press button POLY POLY, then VCO3 LED will illuminate.



### **Calibrate MG1 WHEEL maximum position**

Move the MG1 WHEEL to its maximum position.





#### **Calibrate MG1 WHEEL minimum position**

Move the MG1 WHEEL to its minimum position.





### **Complete calibration**

Short press **HOLD + EFFECTS** will confirm and save all calibration result. If successful, all BUTTON LEDs will blink at the same time for a while. Otherwise, it may be a failed calibration.

NOTE: Press HOLD + MONO CHORD will cancel all calibration and return back to normal mode.



### **End of Procedure**

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