

FOUR

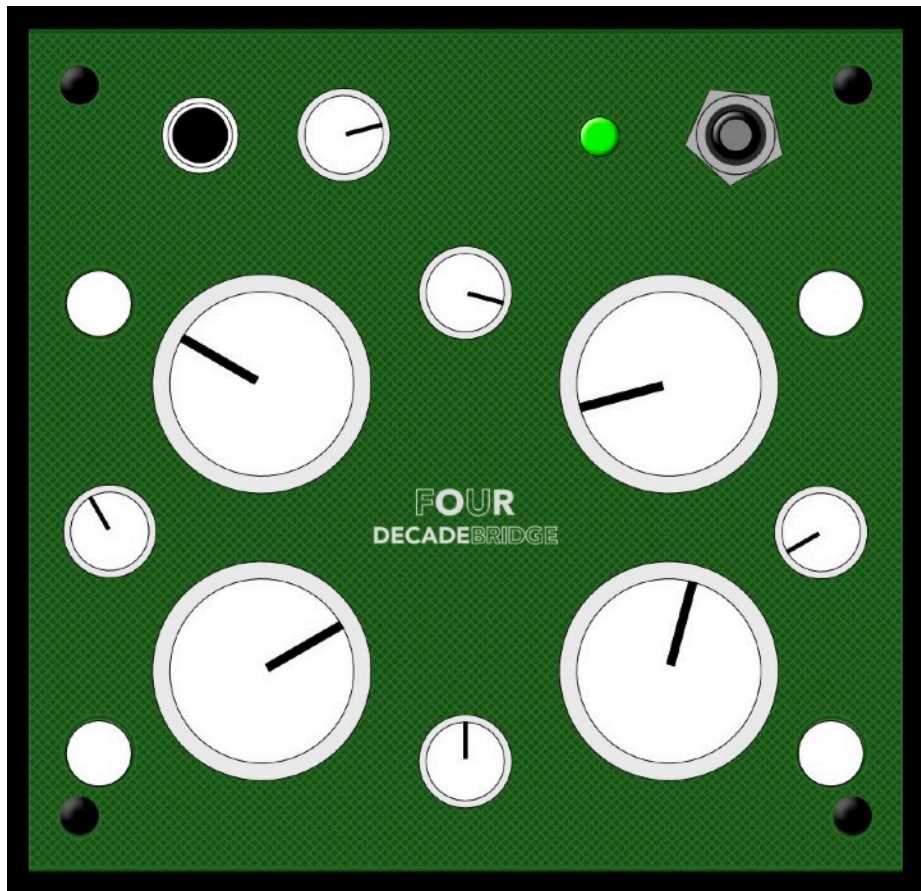
Drone synth/Utility

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Layout.



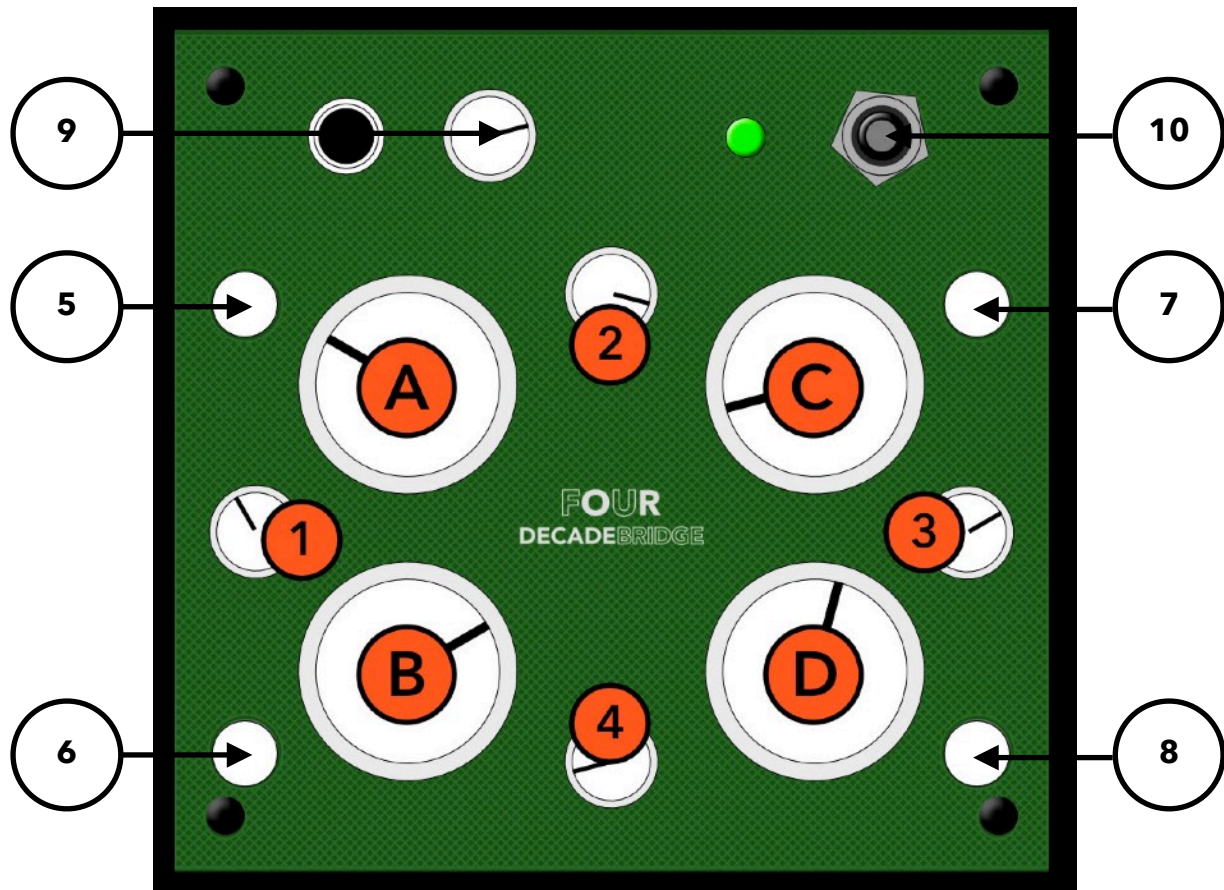
FOUR is a 4 oscillator (surprisingly) drone synth/utility. The 4 square wave oscillators are paired together and routed through 4 different NOR gates to create stacked, pulsing drone voices/chords.

FOUR can also be used as a CV source to control other equipment or as a gate/trigger generator.

FOUR runs off a 9 volt battery. A battery clip is included. We do not supply wall adapters with our products to keep the cost as low as possible. If you would like to run **FOUR** off of a wall adaptor please ensure it is a 9V DC centre positive adaptor. A 1A power supply is more than sufficient.

DO NOT USE A CENTER NEGATIVE ADAPTOR AS THIS WILL DAMAGE THE SYNTH. IF YOU DO RUN INTO PROBLEMS PLEASE GET IN TOUCH AS IT IS POSSIBLE THE SYNTH COULD BE FIXED OR REPLACEMENT PARTS SENT TO YOU TO EASILY FIX IT YOURSELF.

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Controls.

A-D. OSCILLATOR PITCH.

These large pots control the frequency for each of the square wave generators. Oscillators **C** and **D** are tuned slightly lower than oscillators **A** and **B** to give a wider range between the voices.

1-4. NOR GATE MIX LEVELS.

These smaller pots control the level/mix for the NOR gate outputs of the paired oscillators.

1 controls the mix level for oscillators **A** and **B**.

2 controls the mix level for oscillators **A** and **C**.

3 controls the mix level for oscillators **C** and **D**.

4 controls the mix level for oscillators **B** and **D**.

5-8. FREQUENCY RANGE BUTTONS.

These 4 buttons switch the pitch range for all voices from audio rate to low frequency oscillators.

9. OUTPUT/LEVEL.

FOUR has a single, mono, 3.5mm output jack. The pot next to the output sets the level of the synths output.

10. POWER INPUT.

Connect your centre positive battery clip here to power **FOUR**. Refer to the start of this manual if you would like to use a wall adaptor to run **FOUR**.

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