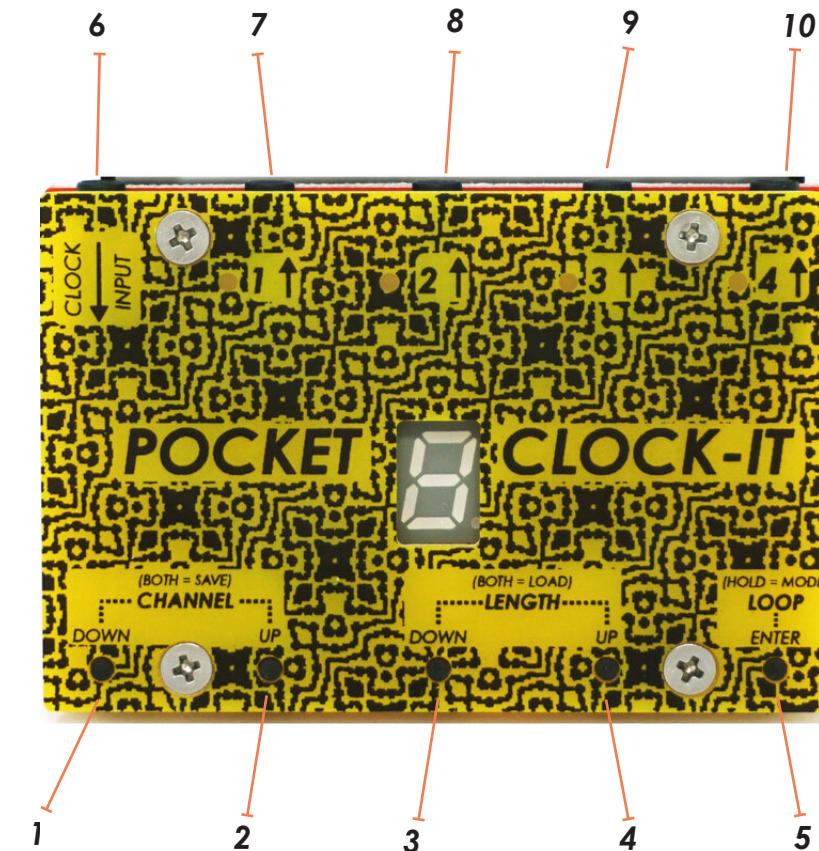# POCKET CLOCK-IT

INSTALLATIØN

POCKET CLOCK-IT operates on 5v usb power supply. A USB A micro cable is provided with your unit. POCKET CLOCK-IT consumes 400ma of power. NOTE: To use POCKET CLOCK-IT with a USB rechargeable power bank, your power bank must have an "always on" or "low current" feature. Due to the low current draw of this device, a lot of power banks with smart sensors in them are not compatible. POCKET CLOCK-IT looks like a phone that's just finished charging to those devices :D.

WHAT DID I JUST BUY?

POCKET CLOCK-IT is a USB powered, 4 channel, generative gate sequencer that is meant to be used with analog synthesizers and Eurorack modules. POCKET CLOCK-IT creates random rhythms that can be looped, saved, and recalled. The step length for each sequence can be controlled separately or globally. In addition to a sequencer, POCKET CLOCK-IT is also a 4 channel programmable clock divider. POCKET CLOCK-IT can be clocked with any voltage over 1/2 a volt (even audio!). If you're enjoying what you're doing with POCKET CLOCK-IT, presets can be saved to any of the onboard 8 memory locations. These presets can be recalled on the grid with the next incoming clock pulse. Clock divider mode and random mode have separate memory banks. You can use POCKET CLOCK-IT to sequence a bunch of stuff or use it as a utility to tie all of your devices together.

HOW TO SWITCH MODES: Hold LOOP / ENTER button to switch modes. When a lower case "r" is displayed, POCKET CLOCK-IT is in random mode. When an upper case "C" is display, POCKET CLOCK-IT is in clock divider mode.

SAVE MODE: Press channel up and down button together at the same time. Display will flash a number; this number is the selected memory slot. To change selection, use channel up/down buttons. Press "LOOP / ENTER" button to execute save. To exit save mode press channel up and down button together at the same time. Clock divider mode and random mode have their own slots of memory.

LOAD MODE: Press length up and down button together at the same time. Display will flash a number; this number is the selected memory slot. To change selection, use length up/down buttons. Press "LOOP / ENTER" button to execute load. To exit load mode press length up and down button together at the same time. Clock divider mode and random mode have their own slots of memory.

1. **CHANNEL DOWN:** Select which channel to edit - 1, 2, 3, 4, or "A" for all. By default POCKET CLOCK-IT displays the channel number when decimal on the display is flashing.

2. **CHANNEL UP:** Select which channel to edit - 1, 2, 3, 4, or "A" for all. By default POCKET CLOCK-IT displays the channel number when decimal on the display is flashing.

3. **LENGTH DOWN:** In random mode, this button adjusts the sequence length from 1 to 8 steps. When button is pressed, sequence length will be shown on the display briefly before switching back to the channel menu. In clock divider mode, this button selects the clock division amount (/1, /2, /3, /4 etc.).

4. **LENGTH UP:** In random mode, this button adjusts the sequence length from 1 to 8 steps. When button is pressed, sequence length will be shown on the display briefly before switching back to the channel menu. In clock divider mode, this button selects the clock division amount (/1, /2, /3, /4 etc.).

5. **LOOP/ENTER:** In random mode this button loops the sequence. Looping is on when the decimal on the display is on solid. In save/load mode this button initiates saving and loading. In clock divider mode, this button does nothing.

6. **CLOCK INPUT:** Any signal over 1/2 a volt will clock POCKET-CLOCKIT. You can use any clock source from a synthesizer or even and audio click track. To clock POCKET CLOCK-IT with audio, it's recommended to use a recording of a short square wave from a synthesizer. It might be necessary to condition the clock signal's pulse width before it is inserted into POCKET CLOCK-IT. Pulse widths greater than 50% may cause clock errors. Very fast pulses may need to be divided down before being inserted into POCKET CLOCK-IT.

7. **OUTPUT 1:** 5v trigger output for channel 1. 470R output impedance.

8. **OUTPUT 2:** 5v trigger output for channel 2. 470R output impedance.

9. **OUTPUT 3:** 5v trigger output for channel 3. 470R output impedance.

10. **OUTPUT 4:** 5v trigger output for channel 4.

for more information visit http://www.moffenzeefmodular.com