

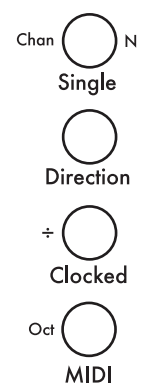
SequenceMix

Modes

SequenceMix has four major modes of operation determined by the Clocked and MIDI buttons and qualified by the Single and Direction buttons.

The 1-8 buttons normally indicate that the corresponding switch is on.

CV Control Mode: Clocked and MIDI are both off.

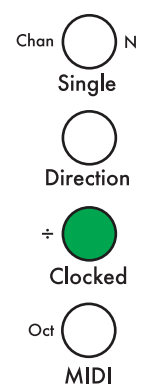


Switches 1-8 are controlled by the sum of the Position knob and an external CV attenuated by the Amount knob. The Position knob will range from 1 to 8 when the CV is zero and will set an offset position when the CV is non-zero. Direction inverts the CV.

When Single is set only one switch will be on at a time. When Single is off all the switches between the offset position and the offset plus CV position will be on.

Buttons 1-8 may be pressed to reverse the switch status from normally off to normally on.

CV Clocked Mode: Clocked is on and MIDI is off.



The CV input becomes an analogue clock that advances the pattern of switches around a shift register of Length 1 to 8 bits (set by holding the Single button). The analogue clock may be divided by 1 to 8, set by holding the Clocked button.

The Position knob functions as a clock generator when moved in either direction.

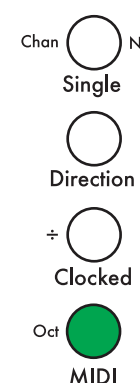
On the rising edge of the clock the status of Shift In is latched into one end of the shift register and the last bit present at Shift Out. Shift Out is normalled to Shift In to form a loop, but this may be broken or extended by patching.

When Single is set only one bit may be entered into the shift register when Shift In changes from off to on. Beware that when the direction changes and if the Shift Out status does not change this may cause the pattern to lose a bit. If this happens try running with Single off.

There are eight Direction modes set by holding the Direction button in. Pressing the Direction Button reverses the current Direction.

SequenceMix

MIDI Control Mode: Clocked is off and MIDI is on.

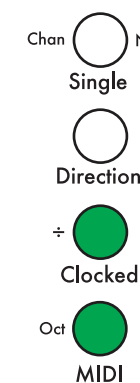


Switches 1-8 are controlled by an octave of MIDI white notes C-C. The octave used is set by holding the MIDI button. The MIDI Channel is set by holding MIDI and Single together.

SequenceMix may be controlled by a MIDI keyboard or sequencer or slaved to another SequenceMix as the Switch status is transmitted as MIDI Note On/Offs.

When Single is set only one switch will be on determined by highest note priority. When Single is clear each switch is controlled by its corresponding note independently.

MIDI Clocked Mode: Clocked is on and MIDI is on.



MIDI Clock and Start, Stop and Continue advances the pattern of switches around a shift register of Length 1 to 8 bits (set by holding the Single button). The MIDI sixteenth rate may be divided by 1 to 8, set by holding the Clocked and MIDI buttons together.

MIDI Start loads a Preset pattern defined by holding Clocked and Direction together. The difference between a shift register and a counter is that there is no reset, but the register can be *preset*, not necessarily to position 1 or a single bit.

Single and Direction effect the shift register the same as in CV Clocked Mode.