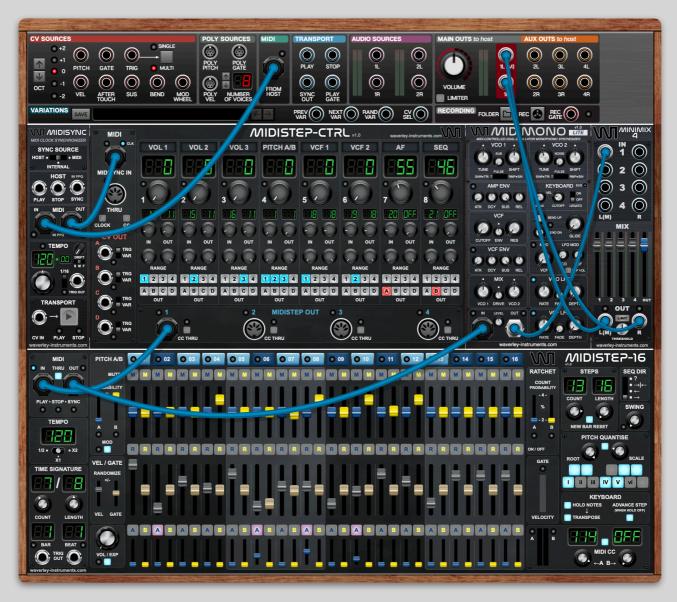# MIDISTEP SEQUENCER BUNDLE

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OVERVIEW

The MIDISTEP SEQUENCER BUNDLE contains everything you need to get started with MIDI sequencing in Voltage Modular. Based around our MIDISTEP-16 step sequencer, the bundle also includes the MIDISYNC clock module, a LITE version of our flagship MIDIMONO synth, MIDISTEP-CTRL for remote control of multi-sequencer setups, and MINIMIX4 to mix up to four stereo signals.

At the core, we designed MIDISTEP-CTRL with live performance and jam sessions in mind and it's typically intended to be used with a hardware MIDI controller, but the large value edit knobs can still be used on the UI when you don't have your keyboard handy. And if that's the case, don't forget Voltage Modular has its own virtual keyboard which will send MIDI note messages to the FROM HOST MIDI jack.

Please note that this is an overview / quick start guide. There are dedicated guides for each module available at waverley-instruments.com/midistep

CONNECTIONS

The image above can be used as a guide for quickly getting started with making connections, and most importantly, making music! While we only show one sequencer here, it should be fairly easy to see that additional sequencer / synth combos (up to 4) can be connected to the MIDISTEP OUTs of MIDISTEP-CTRL. This way, all your sequencers can share the same clock source and transport controls.

MIDISTEP-16 needs a MIDI note to start playing a sequence and this will usually come from the host, i.e. FROM HOST MIDI jack.

Connect Voltage Modular's MIDI FROM HOST to the MIDI IN of MIDISYNC. If you intend using the internal clock in MIDISYNC, that's all you need to do. If you want to sync to host, connect Voltage Modular's SYNC OUT to the HOST SYNC jack of MIDISYNC. You can also connect the PLAY and STOP triggers if needed.

Connect the MIDI OUT of MIDISYNC to the MIDISYNC IN of MIDISTEP-CTRL. If you're only using one sequencer, you can connect straight to the MIDI IN of a MIDISTEP-16.

Connect one or more MIDISTEP OUT jacks to a MIDISTEP-16 sequencer. Note that using separate outputs allows MIDISTEP-CTRL to target each sequencer (or any other module downstream) individually with MIDI CC message.

Connect your MIDISTEP-16 OUT jacks to a MIDI instrument. We recommend using MIDIMONO LITE (included in this bundle) or its bigger brother. When using MIDI CCs, tooltips will show pre-mapped controls applicable to MIDIMONO - CC #18 for example is filter cutoff - note VCF 1 and 2 in the example.

For sequencing with MIDIMONO we recommend you start off with the default patch, but reduce the AMP ENV SUS (sustain) control to zero and increase the DCY / REL (decay / release) controls a little.

Connect your MIDI instrument to the MAIN OUTS of Voltage Modular, or use a sub-mixer as we have in the example. As MIDIMONO LITE is a single channel / non-stereo module, we route its audio to the left / mono input of channel 1.

LET'S PLAY!

Enable some steps in MIDISTEP-16 by clicking the large blue buttons - light blue means they're enabled and change a few pitches using the blue and yellow sliders.

Press the large TRANSPORT button on MIDISYNC - you should see the sequencer spring into life with step LEDs and a BAR / BEAT counter but you won't hear anything yet.

Play a note on your MIDI controller or Voltage Modular's virtual keyboard. You should now hear notes being generated relative to the note you played. Play another note and the whole sequence will be transposed.

Try changing time signatures, note lengths and pitch quantise.

These modules may seem complex at first but hopefully you'll get to know them fairly quickly, and remember, you might not even need to use all the features available, so you can take it a step at a time - no pun intended!

At some point though, you might want to press stop (large TRANSPORT button on MIDISYNC) and read the more detailed module guides to get the most out of the MIDISTEP SEQUENCER BUNDLE: waverley-instruments.com/midistep

We hope you enjoy the MIDISTEP SEQUENCER BUNDLE! Rob & The Team @ Waverley Instruments.