MIDISTEP-CTRL

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OVERVIEW

MIDISTEP-CTRL is a companion module designed for performance when using multiple MIDISTEP sequencers. Up to 8 MIDI CC controllers can be assigned, and up to 4 MIDISTEP sequencers can be connected, all sharing the same clock from a MIDISYNC input. MIDISTEP-CTRL also has four CV outputs which can function as MIDI CC to CV (0 to +5.0V) converters or CV triggers.

MIDI

Connect our MIDISYNC module (or suitable MIDI clock and transport source) to the MIDISYNC IN jack. This ensures all your connected MIDISTEP sequencers will play in sync! LEDs will indicate incoming MIDI messages with a dedicated LED for MIDI clock.

If you need to pass MIDI messages to other modules connect these via the THRU jack. You have the option of passing CLOCK and CC messages or filtering them out with the two toggles.

CTRL SECTION

The CTRL (controller) section has 8 assignable MIDI CC inputs and outputs. There are edible labels above the value displays to help you remember what's assigned to what!

Setup is simply a case of setting a MIDI CC IN and OUT number and defining the range you want it mapped to, then assigning it to a MIDISTEP output. For example, say you want to control the MIDISTEP volume (CC 11) of two sequencers via your hardware controller and two of its knobs are mapped to CC 14 and 15. In both cases the OUT CC is 11, and the IN will be 14 and 15 for CTRL 1 and CTRL 2. If you want to restrict the range of control, or even invert it, you can set the RANGE controls accordingly.

The large control below the value display can be used to manually update the controller value and this will also update to reflect changes via MIDI.

The OUT section buttons are used to assign the controller to one or more MIDI or CV destinations. For example, to create a master volume control for all sequencers in the example above, simply turn on all the MIDISTEP out toggles.

MIDISTEP outputs are labelled 1-4 in blue and CV outputs are labelled A-D in red.

MIDISTEP OUT

Connect up to four MIDISTEP sequencers to these jacks. If you don't want to filter out MIDI CC messages, you can enable the CC THRU toggles. Otherwise, MIDISTEP-CTRL will only send the MIDI CC numbers you've assigned in the OUT values. LEDs will indicate outgoing messages, except for clock, which is sent continuously.

CV OUT

The CV OUT jacks can be used as variable MIDI CC to CV (0 to +5.0V) or triggers (single +5.0V pulse) selectable with the TRIG / VAR switch. CV is sent continuously, but the LEDs only indicate when values have changed - keep in mind MIDI data values are 128 discrete values.

When in TRIG mode, a trigger will be sent when the input MIDI CC value crosses the midpoint 63 value so fire a trigger by flicking the controller either side of the mid value. Note that RANGE is not applicable in TRIG mode and there is no concept of on or off.

Some ideas for using CV triggers in a mutt-sequencer setup include toggling transport on the MIDISYNC CV input and selecting variations in Voltage Modular.

AND FINALLY…

We hope you find MIDISTEP-CTRL enjoyable and inspiring to use. And if you'd like to get more into multiple sequencer setups, please check out our bundle guide available for download at waverley-instruments.com/midistep

Many thanks, -Rob & the Waverley Instruments Team