

General

The MIDI/CV is a monophone MIDI/CV converter that translate MIDI-notes to CV-/Gate-voltages. Modulation-wheel-data are sent separately as well as MIDI clock and start/stop commands. The module offers the new developed M-Bus connector whats mean you can control all MIDI information via this bus.

Set-Up

The MIDI/CV module is fully compatible to Doepfer's A-100 modular system - in size, bus-power and CV/Gate voltage. Connect the 10-pin MFB-cable to a corresponded 16-pin jack on the MFB MIDI/CV circuit-board or Doepfer's mainframe bus. Supply voltage needs to be +/- 12 volts, 5-volt connections are not required. The wattage is +/- 30 mA, the module size 6 HP = 30 mm.

ATTENTION: Please, check for correct polarity! The colored side of the connector-cable needs to point downwards so that the cable is not twisted.

MIDI-Channel

The module has a learn function to select the MIDI channel. Press the Channel button and play any MIDI note. For the M-Bus all note on and controller of channel 10 will be send.

CV/Gate

The MIDI-Note input is converted into analogue voltage supplied at the CV and Gate jacks. (Key)-CV equals the pitch and uses a range between 0 to 5 volts for five octaves. Following the 1 volt/octave standard, the MIDI/CV module is compatible to most analogue modular systems and -synthesizers. The 0 volt basic pitch equals MIDI-note C1 (note number 036).

Gate defines the note length. The gate voltage is 5 volts. The gate polarity is always positive and cannot be changed.

Mod-wheel data of a MIDI-keyboard (or equivalent controllers) are available at modulation outputs.

The voltage for pitch-wheel will be added to the CV out (+/- 2 halfnotes).

Start/Stop - Clock

Outputs Start/Stop and Clock carry synchronization signals that are extracted from the MIDI-clock and MMC-Start/Stop commands. With the jumper you can choose between two modes:

ON = start 5 volt, stop 0 volts

OFF = start/stop impulse (SEQ-01/02)

M-BUS

The module offers the new developed M-Bus connector whats mean you can you control Drum modules etc. without additional patching. The module transforms all notes and controller who are send on Midi Ch 10 and put them out via M-Bus, for example Bass Drum get triggered by Midi Note #36 plus the set Velocity. All other midi issues (non drum related) forwarded to other (future) modules.

M-Bus is a serial interface with 9 Bit, 2 Stopbits and 250.000 Baud data rate.



Owners manual

MIDI/CV