MIDIBox CV
a MIDI-to-control voltage converter project

MBHP Hardware Requirements

1 CORE module, 1 analog output module (AOUT, AOUT_LC, or AOUT_NG), 1 DINX1 module.

Recommended: LCD, BankStick.

Documentation

- MIDIbox CV ^{uCApps}

Links

- How to use MIDIbox CV with a dout
- How to use MIDIbox CV with a dout GERMAN
- How to use an encoder and up/down buttons on the same MIDIbox CV ^{Forum}

Proposals for additional functions in future firmware versions

(Please add your ideas here:)

- One Page Up, one Page Down button should replace the Select button for faster selection of CV output
- variable pulselength of gate outs depending on velocity
- Use individual CV-Outs for dynamic (eg velocity dependant) triggers or gates
- Adress note on to different trigger outs, depending on "velocity zones", eg to turn on accent or glide by velocity
- Save different settings
- "Rotate" note assignment in Poly mode (select "four voices" for example, then outputs 1-4 will rotate, advancing always with the next note. "Random" would also be nice. See: Oberheim 4-Voice.)
- Vibrato LFO. Freerunning LFO summed into oscillator note output, amount controlled by Mod Wheel or Aftertouch, with a user-selected maximum output amount. In addition to existing note/pitch wheel summing. Useful here with multiple "note" channels, as opposed to the SID's limit of 2.
- Support for realtime, encoder control of DIN Sync clock value (4 bars, 2 bars…1/4 notes, 1/4 note triplets, up to the maximum. See: Flame Clockwork. MIDI synch of LFO via this control would be wonderful.)
- Independent Pitch Wheel +/- ranges.
- Support of multiple AOUTs to link 8-note/8-gate with 8-velocity.

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