

Conlon Disklavier DC3-PRO documentation

This document contains some useful MIDI information about Conlon's Disklavier. <http://conlon.nl/>

Specifications of the Disklavier

The instrument is a Yamaha Disklavier DC3-PRO, with serial number 5860272. Its control unit is a DKC500RW.

Operating the Disklavier

Please refer to the Mark III series manual. It describes another version of the Disklavier, but it is very similar.

MIDI information

- Maximum MIDI notes that can be triggered simultaneously is 16
- MIDI notes sent to the Disklavier are not sent back
- Keys automatically release after approximately 10 seconds
- Master volume mainly affects the loud notes
- The minimum velocity (1) is still quite loud (a pianist can do better)
- Velocity 0 releases the key
- When sending two NoteOn's for the same key, you also need two NoteOff's
- Pedals MIDI mapping
 - right (sustain) CC 64 (continuous control send & receive); automatically releases after approximately 10 minutes
 - middle (sostenuto) CC 66 (works as a switch sending values 0 and 127, cannot receive MIDI)
 - left (soft pedal) CC 67 (continuous control send, receives only switching on (≥ 64) and off (< 64))
- NoteOff velocity controls the speed with which the keys release

Troubleshooting

Some things to check in case of problems with Conlon's Disklavier:

- On the back of the MIDI interface on the Disklavier there is a 'to host' switch. This one should be set to 'MIDI'.
- When sitting at the keyboard there is a small box left below the keyboard with a 'silent' switch. This one should be switched off.
- On the MIDI interface, press the func button, this brings you into the menu. Goto Piano Part, and make sure you set the MIDI receive channel correctly. You can also specify a delay of 500 ms if you wish (switch this off for immediate response and erratic behaviour).
- There have been issues with controlling the sustain pedal through MIDI. This is fixed (as of December 2010) but if it happens again: make sure the rod connecting the pedal to the instrument is perfectly vertical, otherwise the sensor doesn't work properly.