

FLAME SIX-IN-A-ROW

MIDI PROTOCOL IMPLEMENTATION Version 1.02 / 10/2009

The remote mode offers the possibility to communicate with a PC/Mac via MIDI. A relatively simple protocol is implemented which is based on MIDI control change and on MIDI note on commands. This makes it possible to put the LEDs and the LCD display individually. The key buttons and the endless control dial send the according note / control change data. Up to 16 devices can be run at the same time using different MIDI channels. With the aid of MAX/MSP, PURE DATA, REAKTOR or with LOGIC environment you can programme your own applications.

On boot sequence can select the remote programm (it will be start on next time automaticly). Also select the MIDI channel (1-16, default = 1). The user selected channel will be automaticly stored.

Functions:

- all buttons and data entry knob sends note on and control change commands
- setting LEDs individual, clear LEDs individual, clear all LEDs, clear all yellow LEDs, clear all red LEDs, clear all green LEDs
- internal tempo generator, set internal tempo (off, 52-177), internal tick counter until 6 (16th), reset function of counter
- receive external MIDI clock (convert to control change)
- writeable LCD digits individual, clear LCD rows 1-3 individual, clear all LCD digits (list of LCD characters on next side)
- write 3 digit numeric value on selectable LCD position (range of value: 0-127)
- send automatically control change command after power on (example for initialization external software)

FRONT PANEL ELEMENTS



