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## Max/MSP - MD sync

Posted by joewhat - 2008/05/16 04:24

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Hello, I hope some one can answer this one easy.

This is my first work with midi and hardware as the MD is my first synth box hardware thing.

I need to sync my MD with my patch.

I read that the manual for GLOBAL SETTINGS, TEMPO IN / CTRL IN.

TEMPO: Receive an external clock.... what is this clock signal? regular midi on a specific channel what?

CTRL IN: MD will respond to MIDI start and stop.... what is this messages, the start and stop?

now i work with MIDI and ctl like this... I use it to connect to different internal applications and some controllers. mapped on channels.

I dont know about midi clock? midi start stop?

maybe this is very easy, then please educate~ me :)

if you need more information from me in order to help me please say so!

I know about the Igor Tikhonov(Carlo Serafini) maximus P project but this does not control tempo!? start, stop!? >\_

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## Re:Max/MSP - MD sync

Posted by joewhat - 2008/05/16 09:08

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is this the right box to post this question?

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## Re:Max/MSP - MD sync

Posted by joewhat - 2008/05/18 06:48

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I've got the answer on the cycling forum, for anyone interrested

These are considered "real time" messages.

This patch sends clock and transport info. It takes an argument for what MIDI port to use.

```
#N comlet Send;
#P inlet 16 59 15 0;
#P window setfont "Sans Serif" 9.;
#P window linecount 1;
#P comment 32 59 31 196617 Send;
#P toggle 16 94 15 0;
#P newex 16 214 29 196617 gate;
#P message 321 179 52 196617 Prophecy;
#P newex 321 159 158 196617 select 0;
#P message 321 138 158 196617 $1;
#N comlet Port;
#P inlet 310 60 15 0;
```

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#P newex 310 82 67 196617 prepend port;
#P comment 326 60 30 196617 Port;
#P message 217 174 26 196617 252;
#P message 148 174 26 196617 250;
#P message 79 174 26 196617 248;
#N comlet Stop;
#P inlet 217 60 15 0;
#P comment 235 60 30 196617 Stop;
#N comlet Start;
#P inlet 148 60 15 0;
#P comment 166 60 30 196617 Start;
#N comlet Clock;
#P inlet 79 60 15 0;
#P newex 16 258 51 196617 midiout;
#P comment 97 60 30 196617 Clock;
#P newex 310 216 67 196617 prepend port;
#P newex 321 116 48 196617 loadbang;
#P window setfont "Sans Serif" 18.;
#P comment 0 7 88 196626 ClockOut;
#P window setfont "Sans Serif" 9.;
#P comment 86 15 206 196617 Send MIDI beat clock and transport controls;
#P comment 89 31 218 196617 Takes an argument for which MIDI port to
use.;
#P connect 24 0 22 0;
#P connect 22 0 21 0;
#P fasten 4 0 6 0 315 247 21 247;
#P connect 21 0 6 0;
#P connect 14 0 21 1;
#P connect 13 0 21 1;
#P connect 12 0 21 1;
#P connect 7 0 12 0;
#P connect 9 0 13 0;
#P connect 11 0 14 0;
#P connect 17 0 16 0;
#P connect 20 0 4 0;
#P connect 19 1 4 0;
#P connect 16 0 4 0;
#P connect 3 0 18 0;
#P connect 18 0 19 0;
#P connect 19 0 20 0;
#P window clipboard copycount 25;
```

The complete MIDI 1.0 specs can be obtained here:  
<http://www.midi.org/about-midi/specinfo.shtml>

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