



Liite 2 Painikkeiden ohjelmointi Pure Data – ohjelmistoympäristössä

pduino

::::_PDUINO:::: import flatspace

Arduino Interface For PD

pd INSTALL-NOTES <- read this first ! here is our Arduino object -->

devicename /dev/tty.usbserial-A7007bK6

select/close the serial port:

open 6 close

info <- info for current connection

devices <- list devices

version <- get firmware version

send \$0-arduino

receive \$0-arduino

arduino 1

send \$0-arduino-out

Set input/output mode of the pins for digital IO:

0 1 2 3 4 5 6 7 8 9 10 11 12 13 all

Rx Tx (serial port)->

pd send-to-arduino----- (0=input, 1=output)

pinMode 4 0

pinMode 13 1 set pin 13 to output mode

digital 13 \$1 toggle pin 13 on and off

send \$0-arduino

r \$0-arduino-out

route digital

route 0 1 2 3 4 5 6 7 8 9 10 11 12 13

Rx Tx (serial port)->

0 1 2 3 4 5 6 7 8 9 10 11 12 13

outlet

With the Arduino-Board you can do digital and analog input and output, as described in the following sub-patches:

- pd DIGITAL-INPUT <- example of Digital Input
- pd DIGITAL-OUTPUT <- example of Digital Output
- pd ANALOG-INPUT <- example of Analog Input
- pd ANALOG-OUTPUT-PWM <- example of Analog Output
- pd GETTING-INFO <- example of getting status data
- pd SWITCHING-INPUTS <- example of switching inputs on and off

2006, released under GNU GPL;
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