SimpleMessageSystem is a library for Arduino 0004 and up. It facilitates communication with terminals or message based programs like Pure Data or Max/Msp. All Serial input and output will be made and interpreted as ASCII characters.

WARNING: Since Arduino 10, you must put the SimpleMessageSystem folder in *arduino-0010/hardware/libraries* INSTEAD OF *arduino-0010/lib/targets/libraries/*

The main advantages of this approach are:

- Send, receive and parse lists to and from the Arduino Board. - Send, receive and parse integers to and from the Arduino Board. - Max/Msp and Pure Data can communicate with the same code on the Arduino Board. TO DO: (- S

Get the code, examples and intructions here.

For Wiring you have to download the following additionnal information and examples by Sibylle Hauert. *A note for wiring u wiring does not start the program automatically after uploading - you have to press the reset button again to make the program run - do that before starting the puredata-sms-example! Otherwise it will not work!*

Contact: tof [at] danslchamp [dot] org

Website: http://tof.danslchamp.org

You can find a modified and better Max/Msp help patch here:http://blog.soundsorange.net/index.php/archives/category/g hardware/

SimpleMessageSystem has been used with:

- Linux TTY
- Windows HyperTerminal
- Pure Data
- Processing
- Max/Msp
- SuperCollider
- Wiring
- Python (library available here)

(The following paragraph was written by someone who hasn't triedSimpleMessageSystem, but has spent half an hour reac related documents, and hopes the following is correct and helpful to others wondering if SMS is for them. I hope more knowledgable people will edit it, and perhaps move it up the page....)

SimpleMessageSystem makes it easy to read from and write to the Arduino over a serial connection, for example over the same link as you use for programming the Arduino. (That connection may be simply to a PC running a serial terminal proc e.g. Windows Hyperterminal, or to more exciting things like web servers executing scripts.) TheSimpleMessageSystem ca respond to three commands. One will set or clear an Arduino pin, i.e. make an output high or low. (You can set or clear ar pin. The command takes a parameter to indicate which pin should be set or cleared.) The other two commands cause the Arduino to send, as a string of ASCII, the states of the pins. (One command reports the states of the digital pins, the other states of the analog pins). These commands let the connected device "learn" what the Arduino is "seeing". (The Hypertern link shows what you can expect from the Simple Message System, in an example.)

COMMENTS:

-- i made something what is maybe interessting here, a messaging system by using simple ascii communication like "A 12 34 -56 78 !" i build a small-parser + a basic function call mechanism by first character. code with max/ms

By Rolandl Apr 16 2009- Simple Message System is still available athttp://user.cavenet.com/rolandl Use it with linux and