

July 7, 2013 V.G.

[http://en.wikipedia.org/wiki/Short\\_Message\\_Service](http://en.wikipedia.org/wiki/Short_Message_Service)

This project uses the MikroMedia + for STM32 board with the shield board and a GSM2 click board installed in slot 3. The USB connector on the shield board is used for power and for diagnostic messages. A USB cable goes from this connector to your PC. If the MikroProg for STM32 is also plugged into the MM+ board, it will also have a USB cable to the PC. The GSM2 click board must have a GSM antenna connected and an active SIM card installed in the on-board socket (just move the SIM card from your cell phone to the GSM2 click board).

Once you have the hardware configured, you can load the program into flash. Use the Serial Utility program included to display messages from the GSM2 module and to send commands to it.

You can find the commands in UART6.c as follows:

Command r will power up the GSM2 click module.

Command v will allow the GSM2 module to determine the baud rate of the transmitter.

Command s will set the internal flash to communicate at 9600 baud by default. You won't have to send the AT<CR LF> command (v) for auto-baud detection.

Command o requests all network parameters to be displayed.

Command w executes a sequence that erases message bins 1, 2, and 3.

Command t sends a 'Hello world' message to a phone number. Change the phone number in state 33 of App.c to some other valid number (or you will be sending me your messages). You can even use your own cell number programmed in the SIM card you have installed.

Command u will read all the messages received by the GSM2 click board.

Command p will power down the GSM2 click module.

Etcetera....