XMEGA-A1 programing step by step example

1. Download drivers and FLIP:

<http://www.atmel.com/Images/AVR1927_XMEGA-A1_Xplained_Example_Applications.zip>

<http://www.atmel.com/tools/FLIP.aspx>

(FLIP MUST BE > 3.4.2)

1. Install drivers for the board from device manager
2. Install FLIP
3. Copy this file:

…\AVR1927\_XMEGA-A1\_Xplained\_Example\_Applications\Bootloader\ATxmega128A1.xml

To

…\Flip 3.4.7\bin\PartDescriptionFiles\

1. Write something and build target in atmel studio
2. Get to FLIP folder default is:

C:\Program Files\Atmel\Flip 3.4.7\bin\

1. Start CMD from there whit SHIFT + RIGHT CLICK -> open command window here
2. Replug the board while holding SW0 switch
3. Upload your hex with the next command:

batchisp -device ATXMEGA128A1 -hardware RS232 -port COM01 -baudrate 115200 -operation onfail abort memory flash erase f blankcheck loadbuffer ”Your project name route to hex file”.hex program verify start reset 0

make sure you have selected the right COM port and the correct hex file

COM ports are like:

COM1

COM8

COM25

…

The hex files you can find in your project folder like this:

“C:/Users/user/Documents/Atmel Studio/”Your project name”/”Your project name”/Debug/”Your project name”.hex”

You must follow the showed syntax in the command line as showed above