To burn bootloader:

1. Connect USBtiny to JP2 so that the wiring comes from the back edge of the board with the power and USB jacks.
2. Make sure USBtiny has jumper connected to pass 5V USB power to the board, if not, connect power supply and fully power on board.
3. Run “Solidoodle\_Bootloader\_Upload.cmd”

To burn bootloader and firmware at once (slower):

1. Connect USBtiny to JP2 so that the wiring comes from the back edge of the board.
2. Make sure USBtiny has jumper connected to pass 5V USB power to the board, if not, connect power supply and fully power on board.
3. Run “SolidoodlePress\_AT90\_full\_upload.cmd”

To flash firmware over USB (faster, only if bootloader has been burned):

1. Make sure board is connected to power and USB and is fully powered on.
2. Place jumper on JP3.
3. Short reset pin to ground for 1 second.
4. Run “SolidoodlePress\_AT90\_firmware\_upload\_USB.cmd”
5. Remove jumper from JP3, and reset board again.

**NOTE**: After flashing firmware using any method, all EEPROM settings will be reset to defaults. Take note of any of these if you want to keep them - you will need to set them again. It is also a good idea to manually reset and save default settings after flashing firmware because they may have been moved in memory, especially if the new firmware has a different number of settings stored in EEPROM or if they are stored in a different order. You can do this by running M502 then M500.

