

## 32U4 Firmware Notes

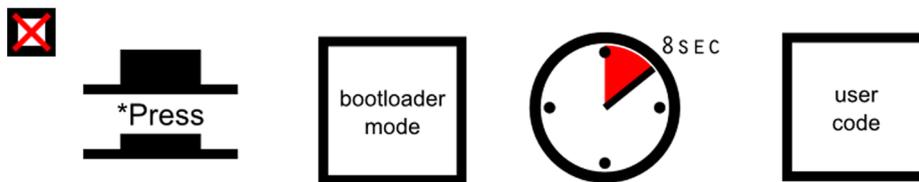


Any Arduino compatible product that we build using the ATmega32U4 is going to ship with a new version of the Caterina bootloader (developed by Arduino for the Leonardo) which incorporates a couple of bug fixes and enhancements:

1] The code has been modified to compile differently for 8 and 16MHz systems.

2] The behavior of the bootloader on reset has been changed:

By default, the Caterina bootloader remains in bootloader mode for 8 seconds after an external reset, to allow the user a chance to upload code should the previously uploaded code disable the USB functionality.



We found that to be excessive when resetting the device during program development, so we replaced that with a "double tap" function. **To override the main code and stay in the bootloader for 8 seconds, press the reset button twice in quick succession.**

