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Letter Of Volatility
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LabJack U6 (covers all variants)

Following is an overview of the memory spaces available on the U6.

If this LoV does not meet your needs, just let us know and we can add whatever further details might be needed.

All volatile memory is cleared by any reboot. In the specific case of removing/losing power supply voltage, it takes about 2.5 milliseconds after losing the power supply for the U6 supply voltage to drop below the brown-out voltage, so power supply loss of 2.5 milliseconds or more will result in a reboot when the power supply returns.

Bold items are memory areas designed to allow the user to store non-volatile information.

Memory Areas:

- Program Memory, Flash (Non-Volatile), 64 kB: The program memory is code-protected to prevent general reading through JTAG. There is no designed mechanism for the user to read this memory except as follows:
    - Main firmware image. Written by the Bootloader.
    - Bootloader image. Loaded during factory setup, can be updated by main firmware.
    - **Cal Constants** - Special functions to allow writing and reading.
    - **User memory area** - Special functions to allow writing and reading, as documented in Sections 5.2.6-5.2.8 of the LabJack U3 User's Guide. This memory is not used in normal operation by other functions. It is just an area where the user can write some bytes that they want to store.
- Data Memory, SRAM (Volatile), 4 kB: SRAM is not retained when the supply voltage drops out.