



# MCU Bootloader for NXP Microcontrollers

## MCUBOOT

Last Updated: Apr 16, 2024

The MCU bootloader is a configurable flash programming utility that operates over a serial connection on supported NXP MCUs. It enables quick and easy programming through the entire product lifecycle -- from application development to final product manufacturing and beyond -- for updating applications in the field with confidence.

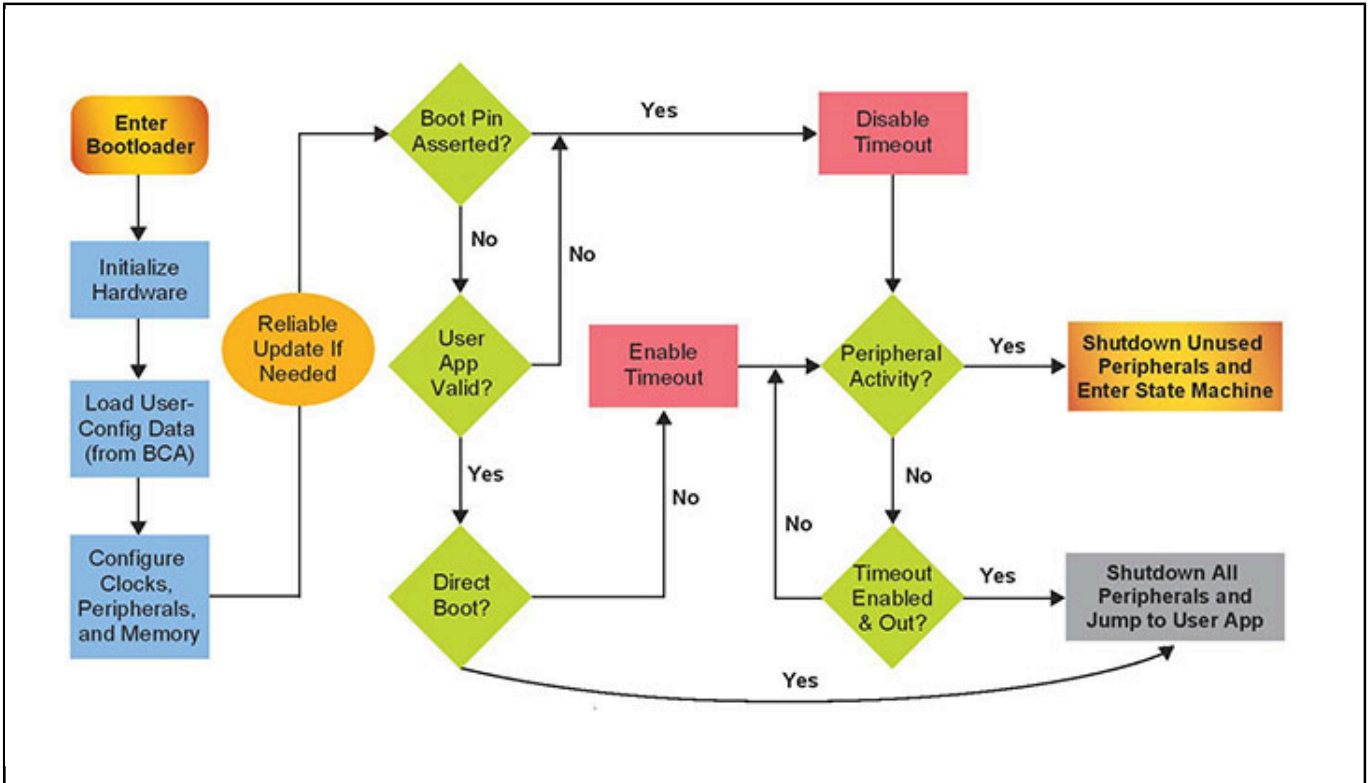
The bootloader is delivered in two ways: as full source code that is highly configurable; or pre-programmed by NXP® into ROM or flash on select NXP MCUs. Host-side command line and GUI tools are available to communicate with the bootloader. The MCU bootloader uses startup, header files, and peripheral drivers from MCUXpresso SDK.

NOTE: This bootloader was previously named Kinetis Bootloader (or KBOOT). It has been renamed to "MCU Bootloader" (or MCUBOOT). The legacy KBOOT downloads are still available on the MCUBOOT downloads tab.

## MCU Bootloader Block Diagram Block Diagram



## MCU Bootloader Startup Flow Diagram Block Diagram



View additional information for [MCU Bootloader for NXP Microcontrollers](#).

Note: The information on this document is subject to change without notice.

[www.nxp.com](http://www.nxp.com)

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2024 NXP B.V.