




7.2 Bootloader selection

The figure below shows the bootloader selection mechanism.

Figure 8. Bootloader selection for STM32F05xxx





12 STM32F09xxx devices bootloader

12.1 Bootloader configuration

The STM32F09xxx bootloader is activated by applying pattern6 (described in [Table 2: Bootloader activation patterns](#)). The following table shows the hardware resources used by this bootloader.

Note: After the STM32F09xxx devices have booted in bootloader mode using USAR bo

13 STM32F10xxx devices bootloader

13.1 Bootloader configuration



16.2.3 Bootloader version

The following table lists the STM32F2xxxx devices V3.x bootloader versions:

Table 31. STM32F2xxxx bootloader V3.x versions

Bootloader version number	Description	Known limitations
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32 STM32F413xx/423xx devices bootloader

32.1 Bootloader configuration

The STM32F413xx/423xx bootloader is activated by applying pattern1 (described in

33.1.3 Bootloader version



The system clock is derived from the embedded internal high-speed RC for USARTx, I2Cx and SPIx bootloaders. This internal clock is also used for CAN and DFU (USB FS Device) but only for the selection phase. An external clock multiple of 1 MHz (between 4 and 26 MHz) is required for CAN and DFU bootloader execution after the selection phase.



36 STM32F72xxx/73xxx devices bootloader

36.1 Bootloader configuration

The STM32F72xxx/73xxx bootloader is activa





38.3 **Bootloader version**

The following table lists the STM32F76xxx/77xxx devices bootloader V9.x versions.

Table 81. STM32F76xxx/77xxx bootloader V9.x versions

Bootloader version number	Description	Known limitations
---------------------------------	-------------	-------------------



42 STM32L031xx/041xx devices bootloader

42.1 Bootloader configuration

The STM32L031xx/041xx bootloader is activated by applying pattern2 (described in [Table](#)

43.2 Bootloader selection

The figure below shows the bootloader selection mechanism.

Figure 53. Bootloader selection for STM32L05xxx/06xxx

43.3 Bootloader version



44.2 Bootloader V11.x





50.3 Bootloader version

The [Table 107](#)













