

# Getting started with USB-Prog

Programming Tool Kit for DREAM SAM ICs

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The Dream USB-Prog Kit includes the 5000DBG-IF programming interface board and the ProgSam software.

The Kit allows:

- Programming of the external Flash memories connected to SAM5000 series IC (Parallel NOR Flash, SPI/QSPI Flash, NAND Flash boot sector)
- Programming of the external Flash memories connected to SAM2600 series IC (Parallel NOR Flash)
- Programming of the embedded Flash of SAM3000 series IC (SAM3703)

## ProgSam Software

The ProgSam software can be downloaded from this location: <http://www.dream.fr/progsam>

Supported platforms are Windows© XP, Vista, 7, 8, 10.

Be aware:

### For operating systems prior to Win10:

ProgSam must be installed in the PC before connecting the 5000DBG-IF board to a PC USB socket!

Install ProgSam by running “ProgSam Vx.xxx setup.exe”.

Follow the instructions from the installer. By default it will install in directories:

C:\Program Files\DREAM\ProgSam\ -> Executable file

C:\Program Files\DREAM\ProgSam\Config\ -> Target Board Definition List files (\*.BDL)

C:\Program Files\DREAM\ProgSam\Drivers\ -> Text Driver Files for memory components description (\*.TDF)

C:\Program Files\DREAM\ProgSam\Doc\ -> Reference Documents: User’s Manual and Application notes

In order to support the 5000DBG-IF board, “**DREAM USB-DBG-IF**”, the device driver is installed during ProgSam installation.

**Remark:** DREAM USB-DBG-IF driver (dream\_usb\_dbg.inf) is not Microsoft signed. In Win7 64-bit and Win8 32-bit/64-bit versions, signature checking needs to be disabled. Refer to Dream application note **AN\_Install DREAM USB-DBG-IF on 64-bit Win7 & Win8.pdf**.

Windows© 10 automatically detects and installs the DREAM 5000-DBG-IF board as ‘**USB Serial Device (COMx)**’. It then will be used by DREAM software ProgSam, “dream\_usb\_dbg.inf” is not needed to be used.

## 5000DBG-IF board

The 5000DGB-IF is for connecting a target board based on a member of the SAM5000, SAM3000, SAM2600 series to a USB port of a PC (using USB COM port device).

The Windows drivers for the 5000DBG-IF board will be automatically recognized when connecting the board the first time (after having installed ProgSam software properly, see above).

Please find more detailed information about the 5000DBG-IF board in the 5000DBG-IF.pdf datasheet. See [https://www.dream.fr/pdf/Serie5000/Boards\\_Datasheets/5000DBG-IF.pdf](https://www.dream.fr/pdf/Serie5000/Boards_Datasheets/5000DBG-IF.pdf)

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