dream

Getting started with USB-Prog

Programming Tool Kit for DREAM SAM ICs

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

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