uIO Updater (english)

1 Content

The tool shall be used to update the USB stick to the latest firmware version. uIO-Updater.exe uses components from BSL_Tool.exe and must exist in the same folder as BLS_Tool.exe and UsbComm.dll.

2 Call Parameters

The application must be called from the command line. If no parameter is applied, the tool lists the available commands.

Parameter	Description
`-FW="fw_file_name"`	Name of the file containing the compressed firmware

Es gibt noch paar optionale Parameter:

Parameter	Description
`-PID=pid`	PID of the USB Stick
`-VID=vid`	VID of the USB Stick

The application checks if a PEK or a BSL USB stick device is available. If a stick is found it checks whether the internal bootloader is started of the application is active. If the bootloader is not started the command is send to the device to restart in bootloader mode.
The application waits up to 10 seconds to enable the enumeration of the bootloader on the PC. Is no bootloader detected within this time an error message is printed and the tool exits.

3 Example

Example call to load a BSL firmware. Here it is detected that no bootloader is active and the appropriate command is send to activate. Then the tool waits for enumeration of the bootloader to execute the update.

```
uIO-Updater -FW="bsl_1.1.448.fw"

*** BSL firmware update ***
update the uIO-Stick with the BSL firmware version 1.1.448

-----------------------------------------------
Firmware Update Tool v1.0 build 316
-----------------------------------------------
BSL device found, start bootloader...
USB             : Read  - error 0x11
Bootloader started, wait until system enumerates...

Current flash information
-------------------------
The flash start address is       0x0C000000
The flash end address is         0x0C0EFFFF
The application start address is 0x0C004000
The flash CRC32 address is       0x0C00401C
The reference CRC32 value is     0x3B26DCBC
The internal CRC32 value is      0x3B26DCBC

Update Firmware information
---------------------------
The lowest address is            0x0C004000
The highest address is           0x0C00AB00
Type is                          BSL
Version is                       1.1.448
Start address is                 0x0C004000
Size is                          0x00006B00
The calculated CRC32 value is    0xBCDC263B

Erasing ...
Programming ..............................................
.....................................
Program CRC32
The calculated CRC32 value is    0x3B26DCBC
Execution time 17.241ms
SUCCESS!
```