Building the OSTC MKII firmware using the MPLAB IDE

Date: 19/03/2010
Last Update: 19/03/2010
Written by: Matthias Heinrichs (info@heinrichsweikamp.com)

Software

You can download the MPLAB IDE from the Microchip Website: http://www.microchip.com

Short manual

A detailed manual for the IDE is included in the Online help.
The workspace file is called ostc.mcw
Main program is in the main_vxxx.asm - the other files will be included from this file.
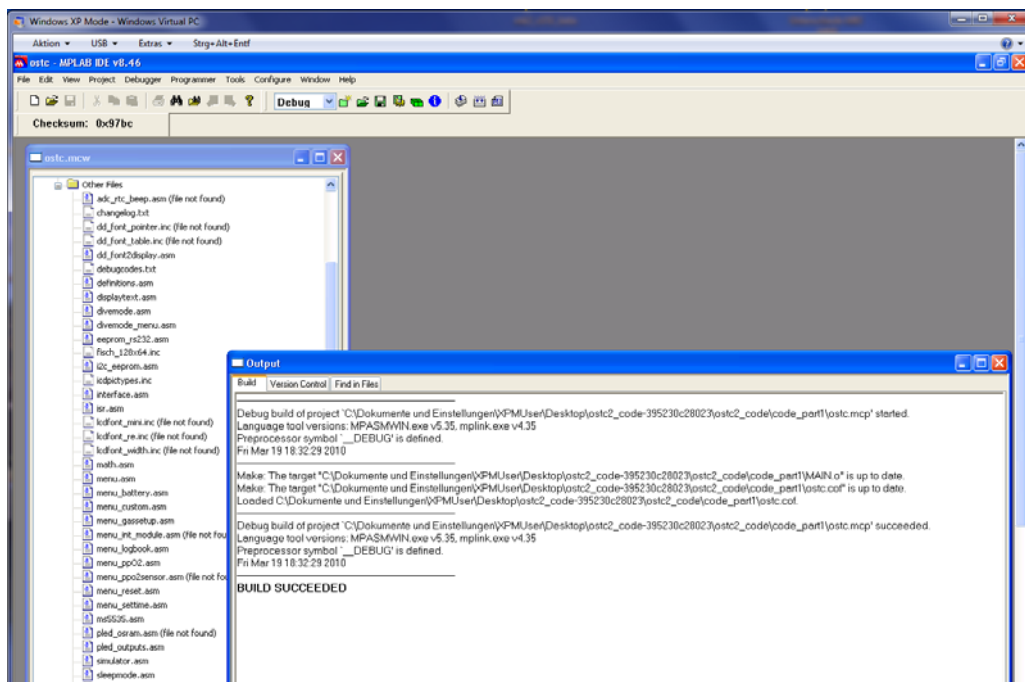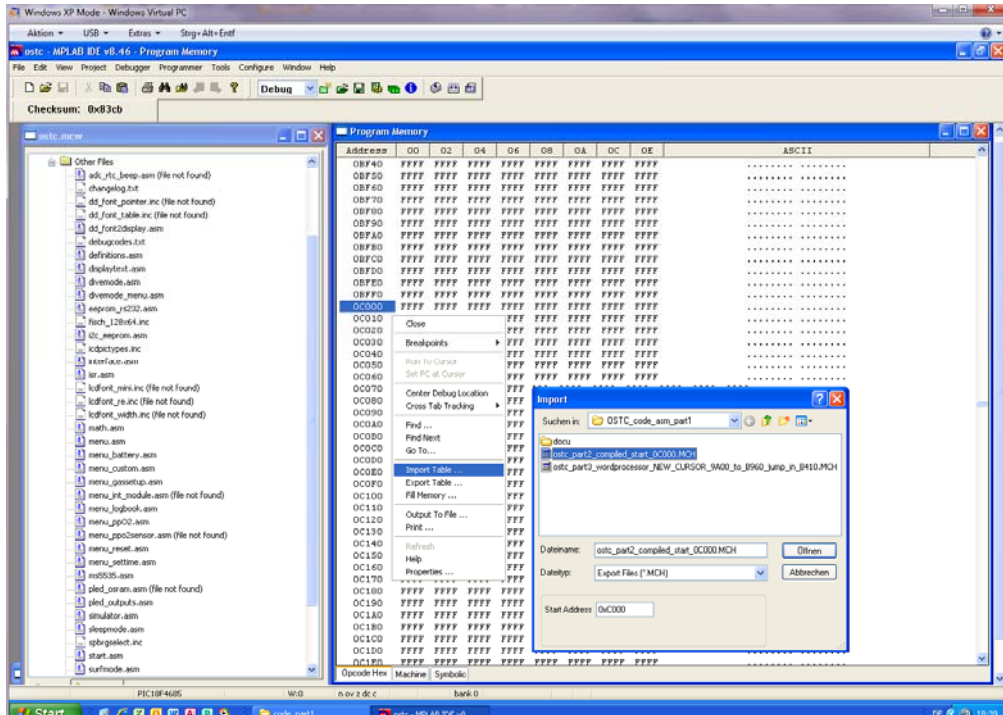
Include compiled C-Code parts into project

Some parts (as the decompression routine) are written in C language. These parts must be imported
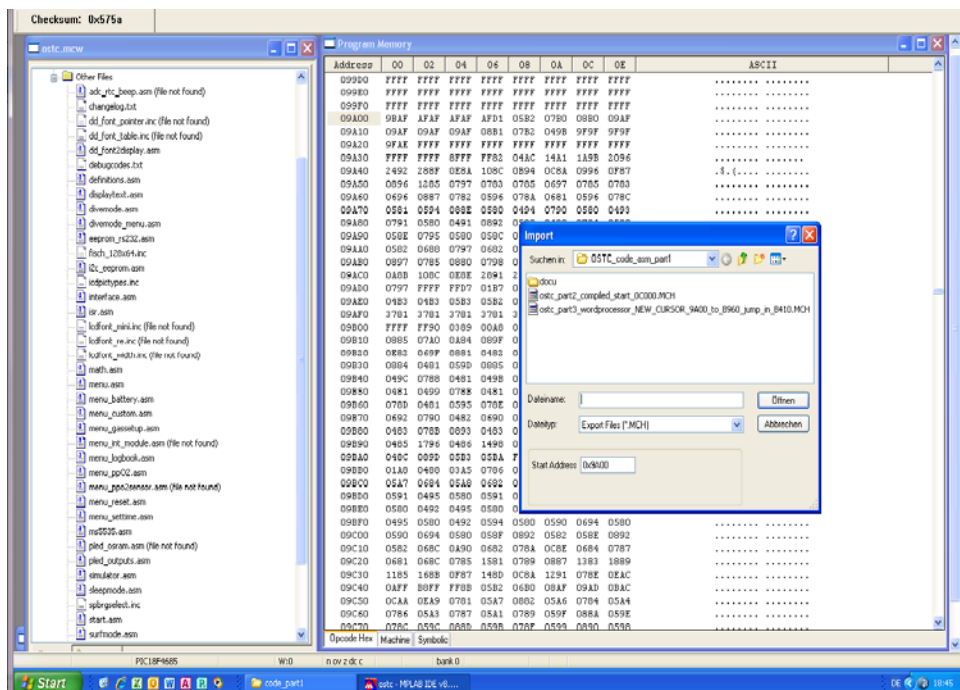in the current build:

Step One:

Build project with F10, check „Output" window for warnings, errors or messages!

Include compiled C-Code parts into project

Step Two:

- Open „View" - „Program Memory"
- Goto Address 0C000
- Right-click „Import Table..."
- Import first Table ostc_part_compiled_start_0C000.MCH

Step Three:

- Goto Address 09A00
- Right-click „Import Table..."
- Import second Table ostc_part3_wordprocessor_New_Cursor_9A00_to......MCH

Step Four:

- Select „File" - „Export...."

- Export HEX file from 0x00 to 0x17F00
- The result is the HEX file you can upload into your OSTC using the Bootloader