# 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.

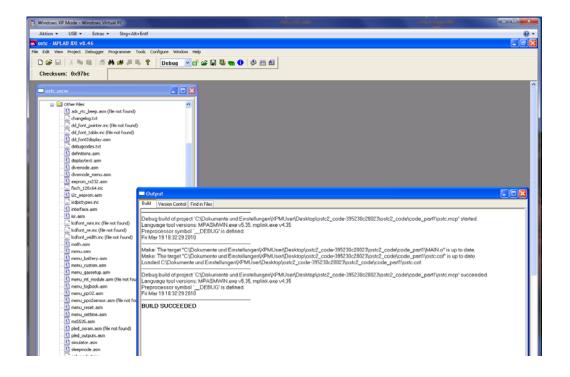
#### Include compiled C-Code parts into project

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!

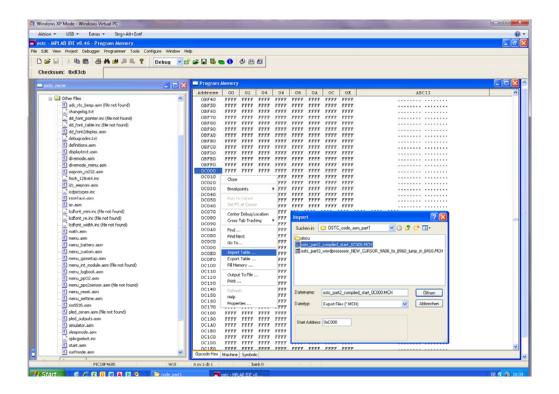


## Include compiled C-Code parts into project

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

in the current build:

- 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

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- 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

