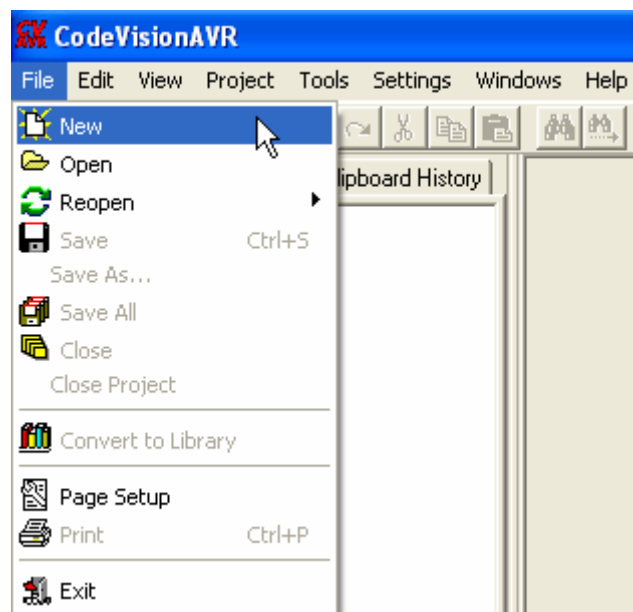


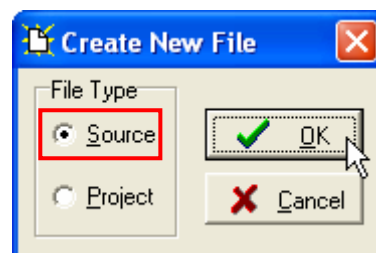
An Example with CodeVisionAVR

We use Program **CodeVisionAVR** for writing C Language Program. HP InfoTech Co., Ltd. has experimental version of this Software and user can download program from website : www.hpinfotech.com However, ETT Co., Ltd. provides this program in our CD-ROM. It is program CodeVisionAVR Version 1.24.7e but user can not compile Source Code greater than 2 kbyte and proceeding to use this program is;

1. Open program CodeVisionAVR C Compiler and click Menu Instruction of **File** → **New** as in the picture.



2. Select **File Type** as **Source** to create new C Language File and then click **OK** as in the picture.



3. It will display window of **Editor** for writing program as in the picture. In the sample, it is program of blinker at PORTB.0.

```

/*****
/*Hardware      : ET-AVR STAMP (ATmega64)      */
/*CPU           : ATMEL-ATmega64               */
/*X-TAL         : 16.00 MHz                    */
/*Filename      : Main.C                      */
/*Compiler      : CodeVisionAVR V1.24.7d       */
/*Last Update   : 9-12-2005 (ETT CO.,LTD)      */
/*             : WWW.ETT.CO.TH                 */
/*Description   : Example LED Blink on Portb.0 */
*****/

/*CodeVisionAVR Compiler Option Setting */
/*Chip type      : ATmega64                   */
/*Program type   : Application                 */
/*Clock frequency : 16.000000MHz               */
/*Memory model   : Small                      */
/*External SRAM size : 0                       */
/*Data Stack size : 1024                      */
*****/

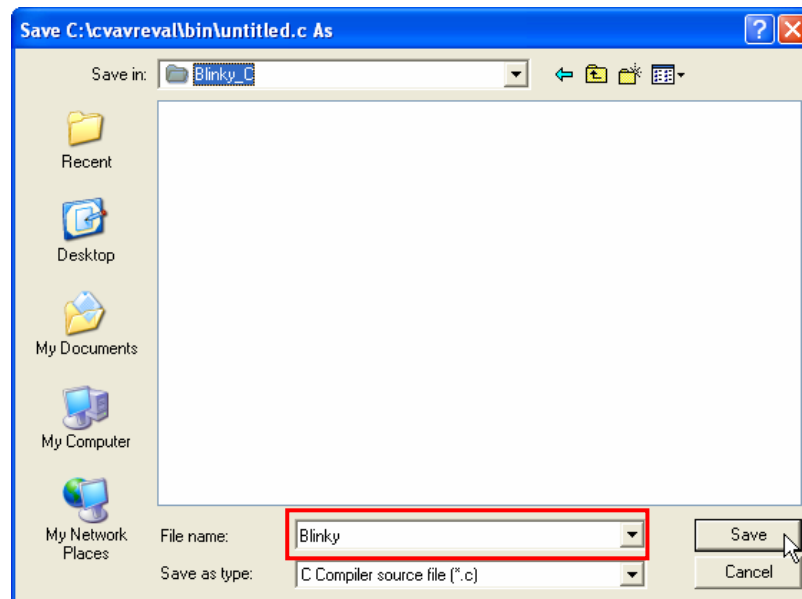
#include <mega64.h>          // ATmega64 MCU
#include <delay.h>           // Delay functions

void main(void)
{
    PORTB=0x00;             // PB7..0 = 0
    DDRB=0x01;             // PB0 = Output

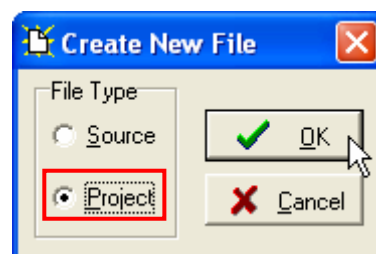
    //Loop Blink LED on PB0
    while (1)
    {
        PORTB |= 0x01;      // PB0 = 1 (OFF LED)
        delay_ms(200);      // Display LED Delay
        PORTB &= 0xFE;      // PB0 = 0 (ON LED)
        delay_ms(200);      // Display LED Delay
    }
}

```

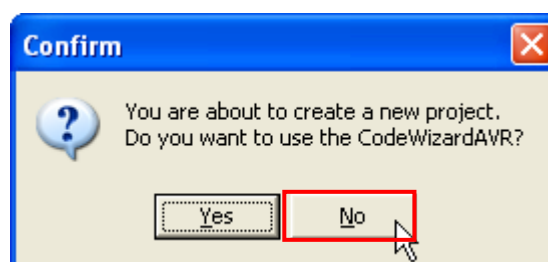
4. Save C Language Program, click Menu **File** → **Save**, specify its File name and then click **Save** as in the picture.



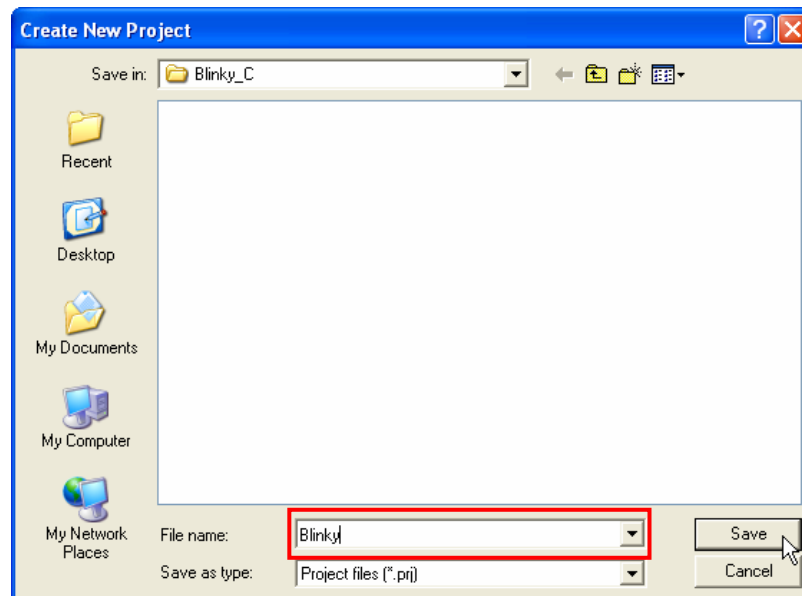
5. Select Menu **File** → **New** and select **File Type** as **Project** to create new project and then click **OK** as in the picture.



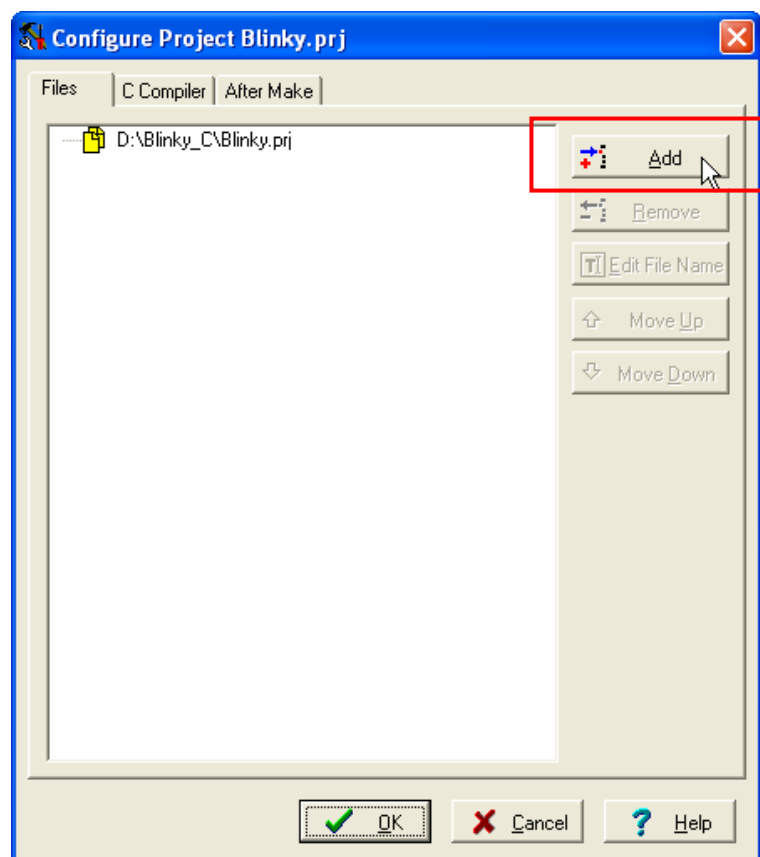
6. Click **NO** because we do not want HELP to create Project (CodeWizard).

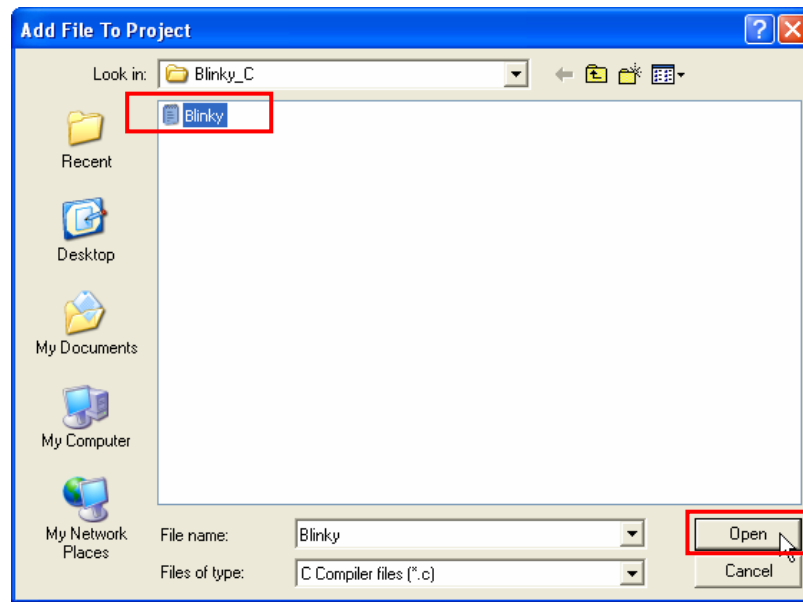


7. Assign Project Name as required and then click **Save** as in the picture.

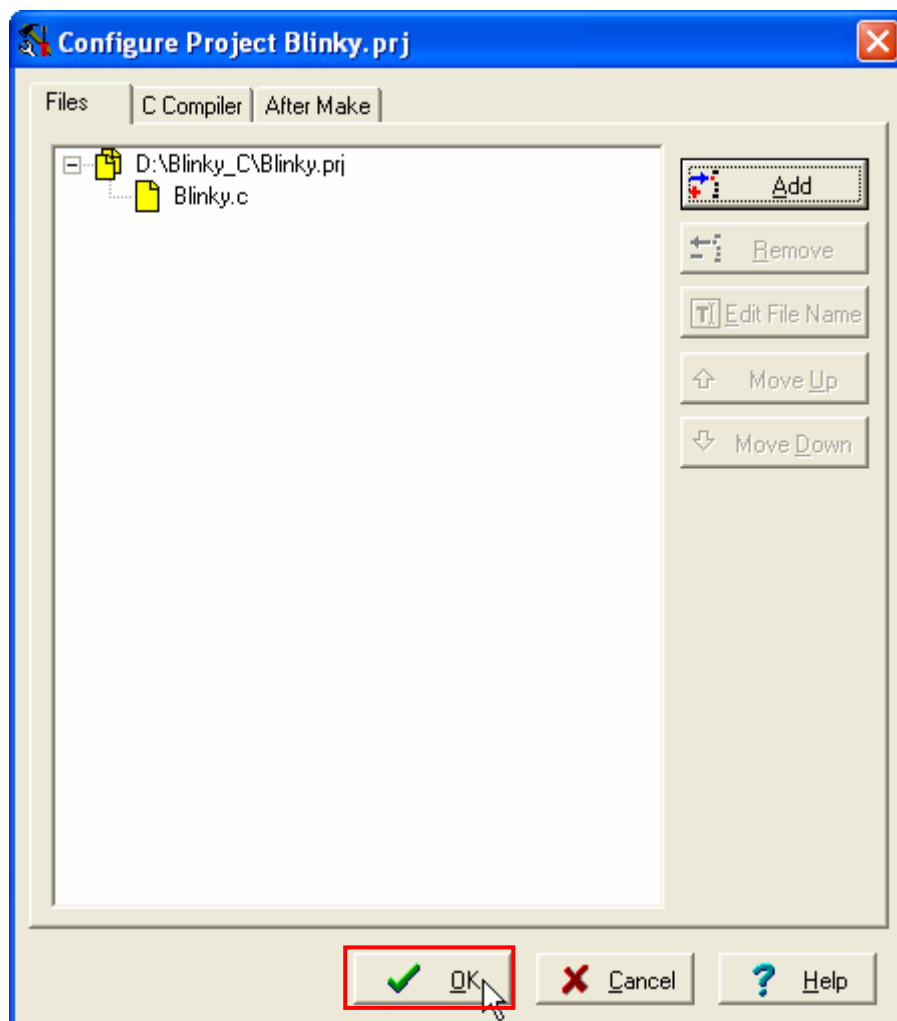


8. Add written C Language File into project, click **Add** as in the picture.

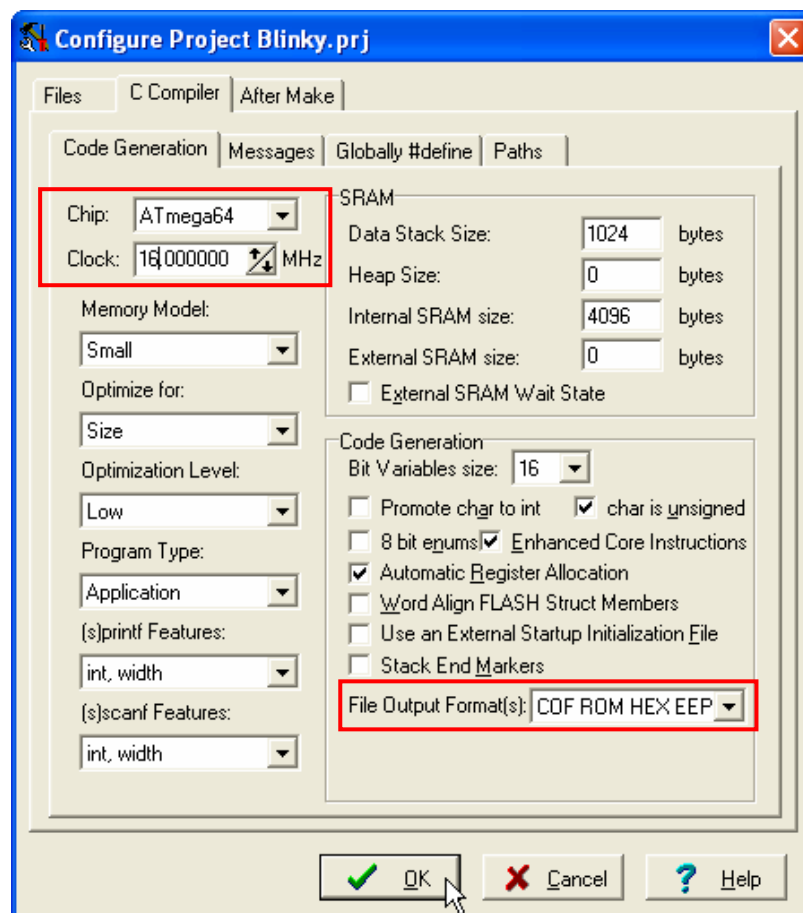
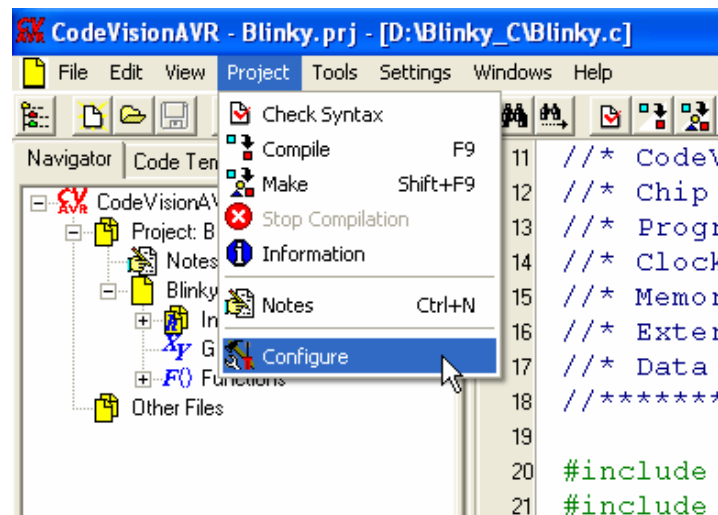




9. When it is completely, click **OK** as in the picture.



10. Assign default values of project, click Menu Instruction of **Project** → **Configure** and then assign **MCU No.** as **ATmega64**, **Crystal** as **16.00000 MHz** and **File Output Format(s)** as **COF ROM HEX EEP**.



11. Translate written program, click Menu Instruction of **Project** → **Make**. After translated program completely without any mistake, it will display a message **No errors, No warning** and then user can download this HEX File into MCU instantly.

