

# YC11XX 系列环境安装

## 1、安装环境。

- 1) Keil 环境，安装过程就不说了
- 2) 安装 e 命令环境

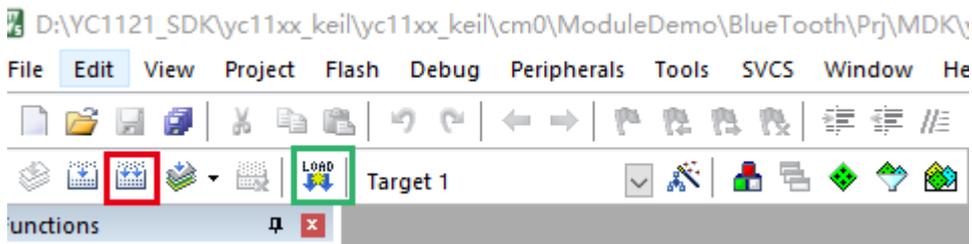
 ActivePerl-5.8.4.810-MSWin32-x86.msi	2011/9/16 9:01	Windows Install.
 e.exe	2018/8/1 10:58	应用程序
 geneep.exe	2018/8/1 10:58	应用程序

将 e.exe 和 geneep.exe 放到 C 盘 windows 路径下，  
双击 ActivePerl-5.8.4.810-MSWin32-x86.msi,安装 pl 脚本，**安装完后需要重启电脑，脚本才能执行。**

- 2、用 keil 打开 DEMO 工程后，有些会弹出没有 CPU 的配置文件的对话框，直接关闭即可。



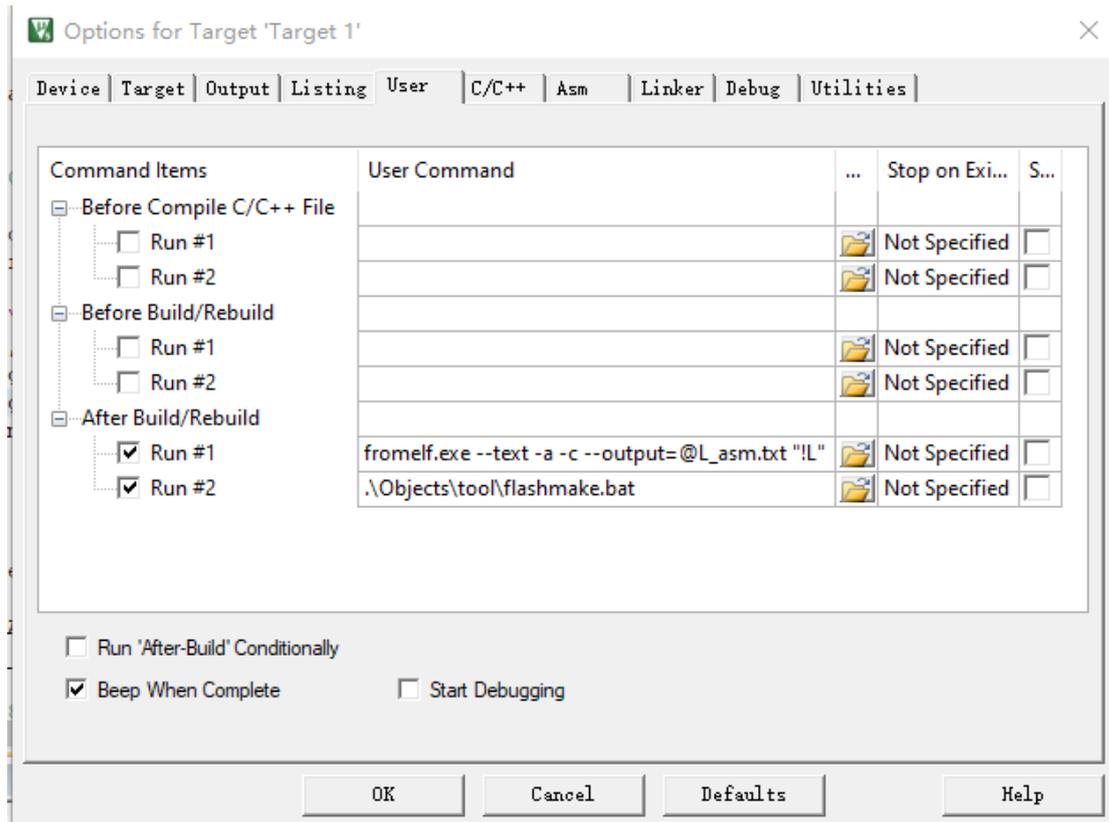
- 3、编译和下载。工程支持 keil 编译和下载。



红色框标记为编译按钮，绿色框为下载按钮。

编译设置：

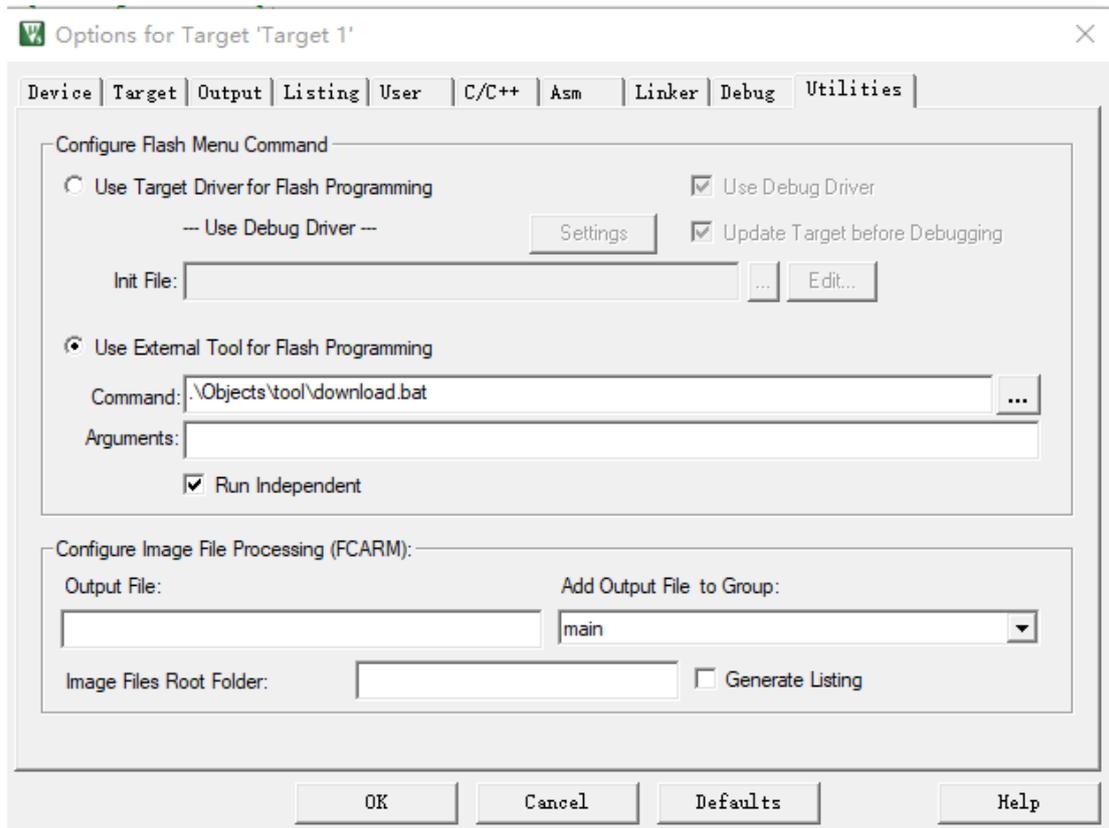
打开魔术棒工具，选择 User，选择” After Build/Rebuild”,选择相对路径 “.\Objects\tool\flashmake.bat”，绝对路径可能会导致下载有问题。



下载设置：

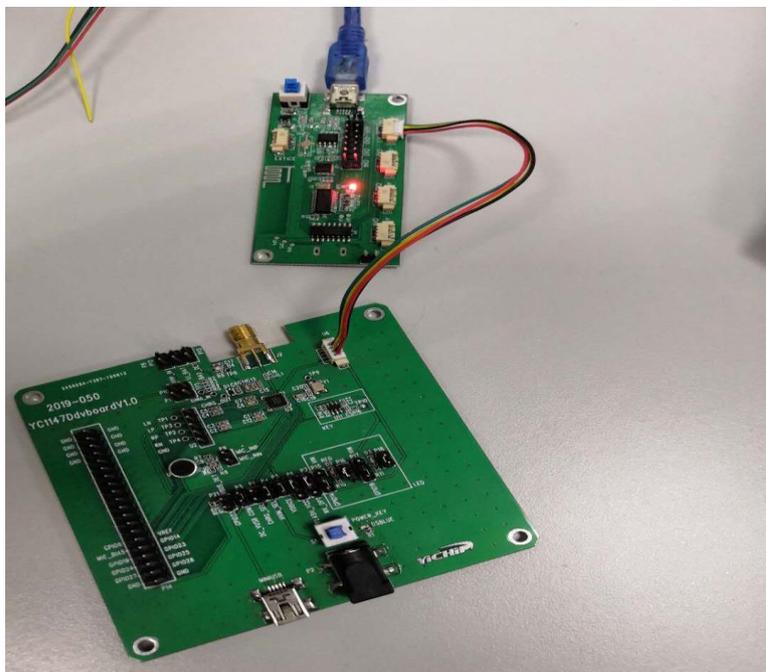
打开魔术棒工具，选择 Utilities，选择“ Use External Tool for Flash Programming ”，在 Command 选择下载脚本，最好选择相对路径“.\Objects\tool\download.bat”，绝对路径可能会导致下载有问题。

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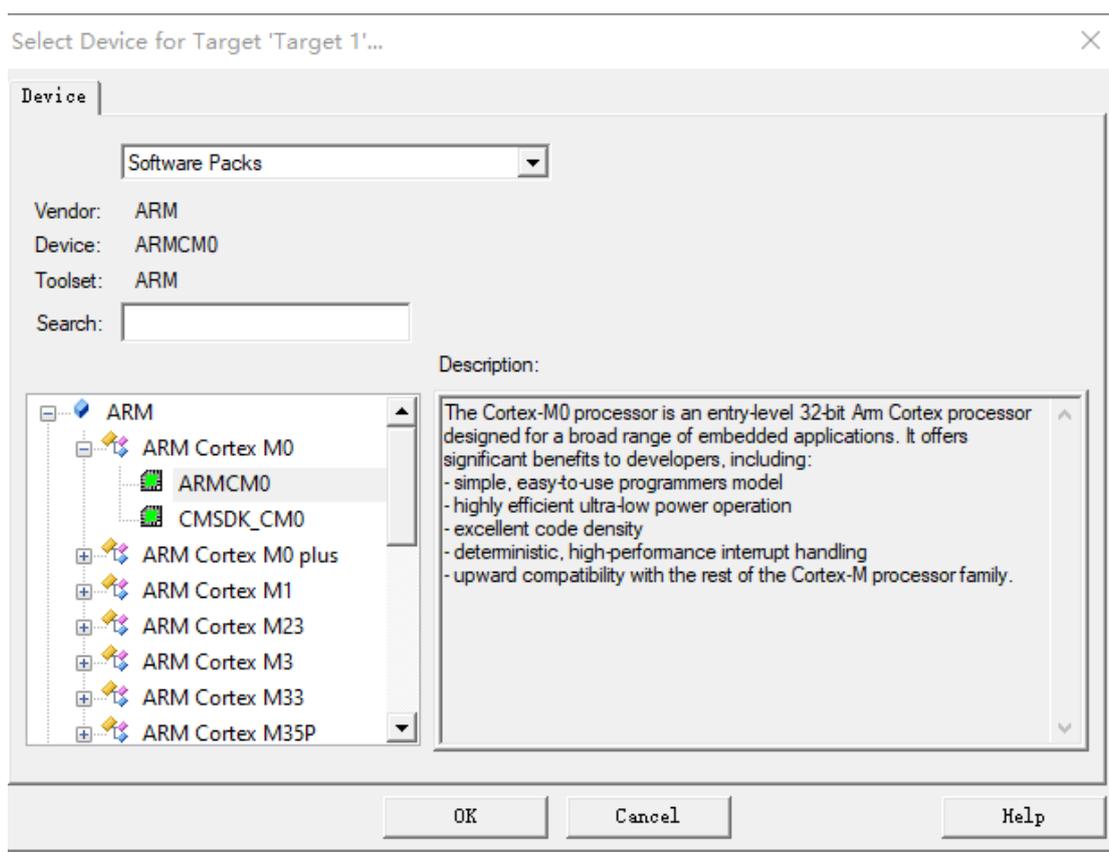
下载工具需要用 YC 的下载器 2018-020-V3-shaolu，如下图。将其与开发板相接，然后点击 keil 上的 load 按钮就能下载了。

下载线的  
 绿线-vin      黑线-gnd      红线-ice      黄线-NC



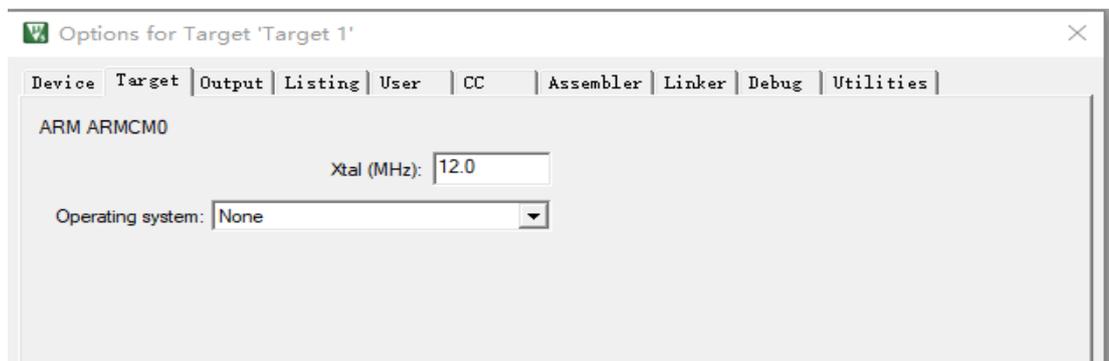
## 怎么去新建一个新工程

- 1、首先新建一个工程，选择芯片型号 ARMCM0.

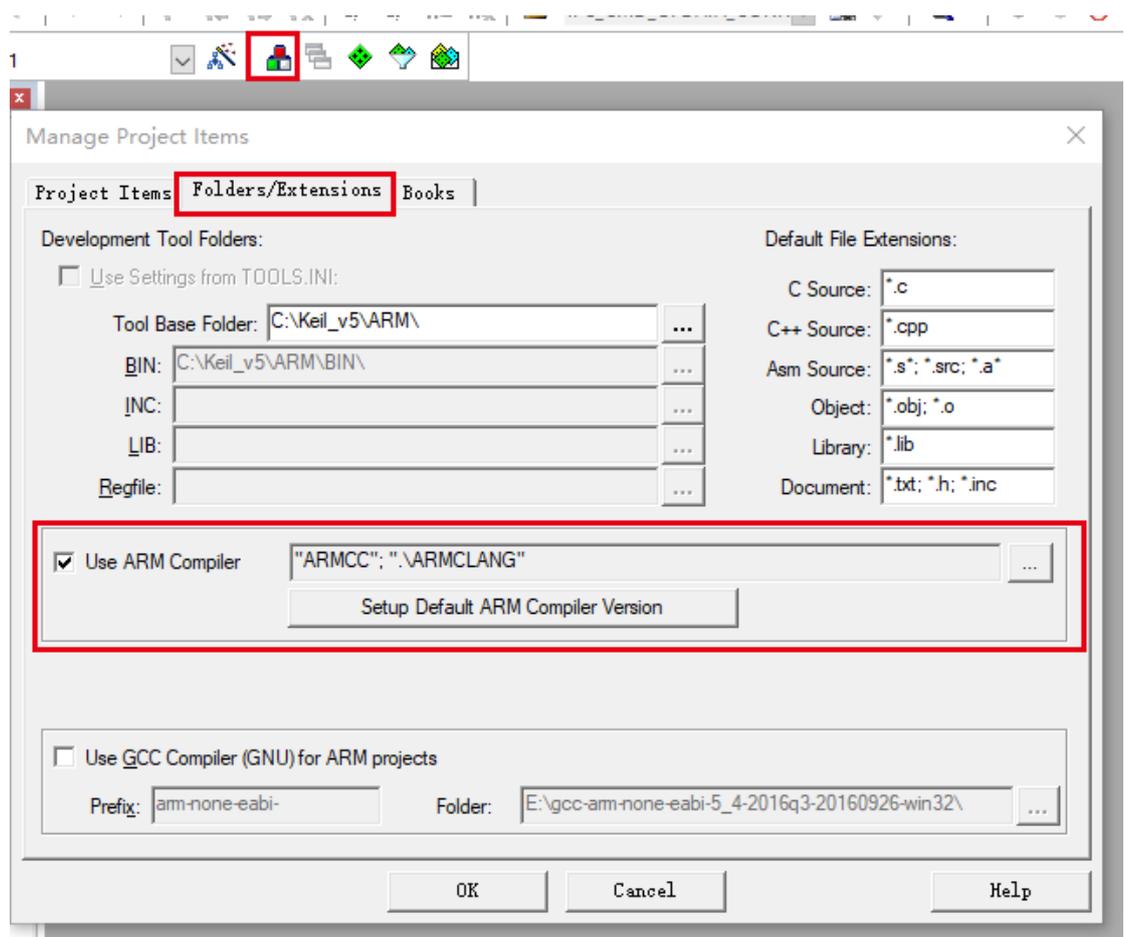


- 2、魔术棒界面设置：

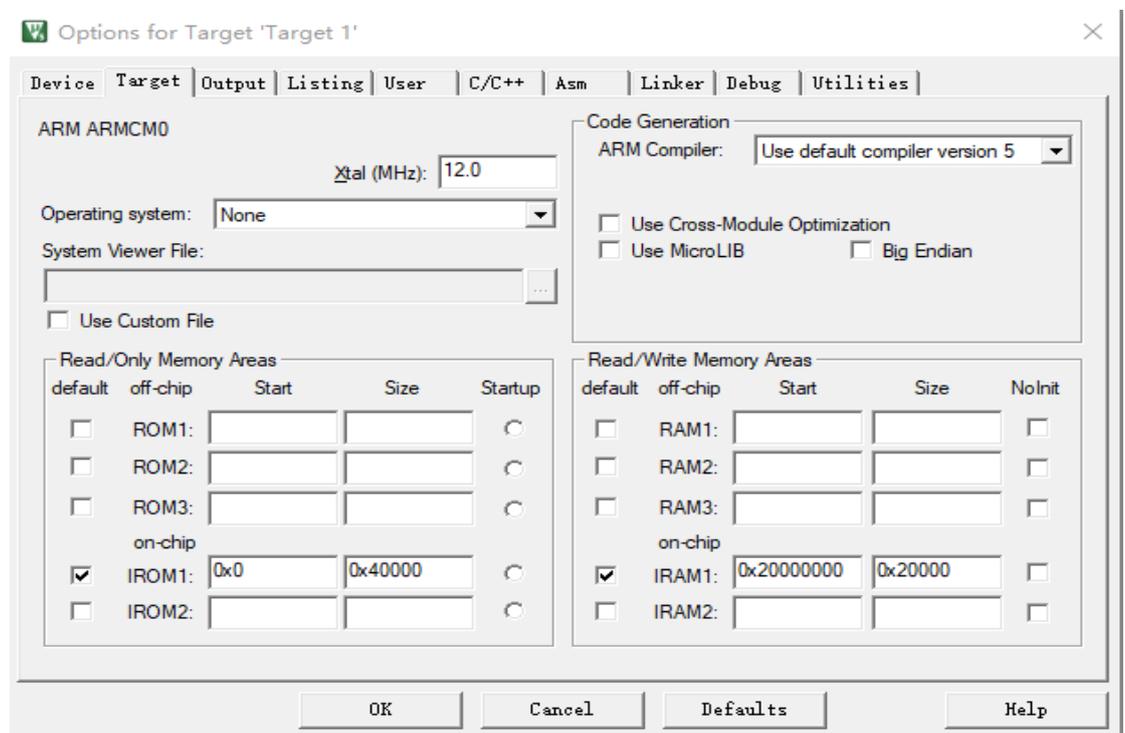
- 1)、如果 Target 界面显示如下界面，请打开"Manage Project Items"选项。



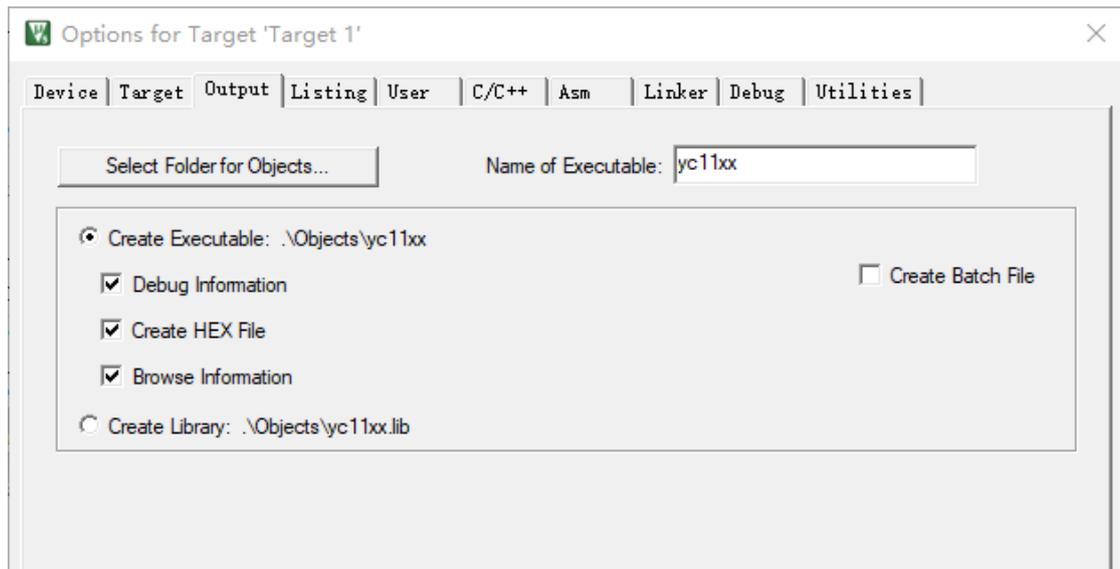
选择“Folders/Extensions”，“Use ARM Compiler”，使用 keil 的编译环境。



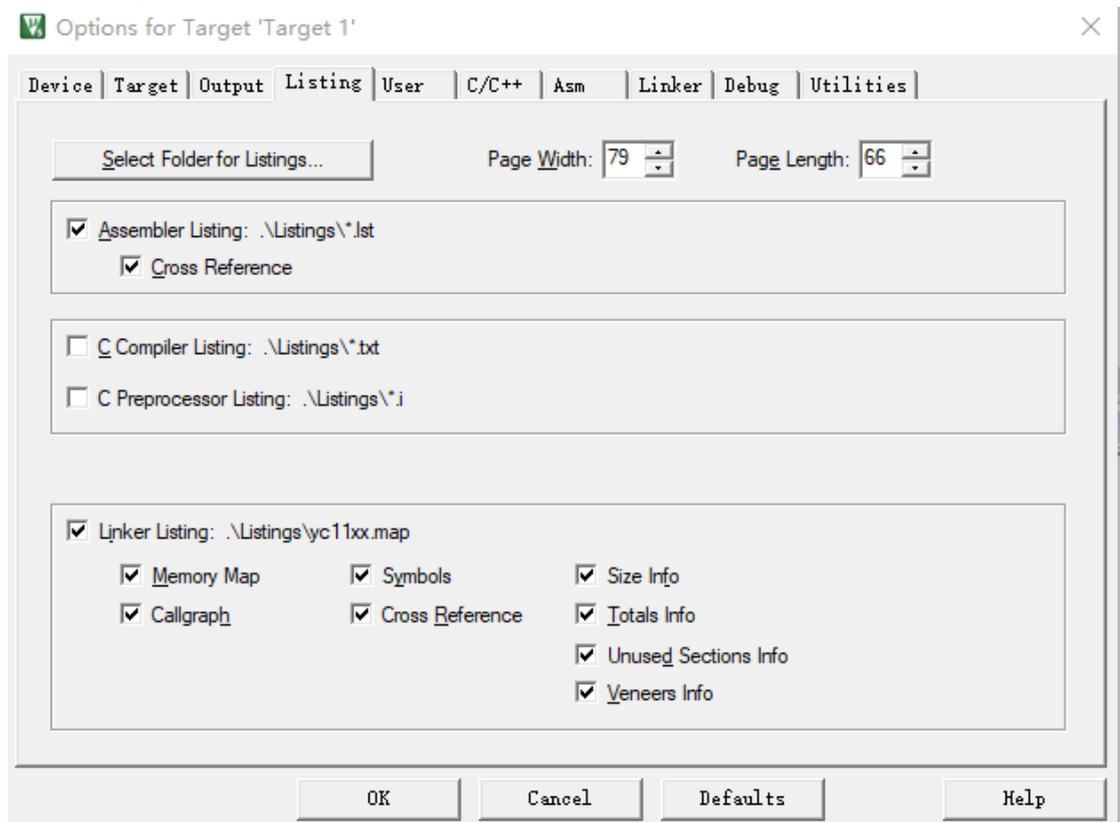
然后再打开就可以正常显示 memory areas:



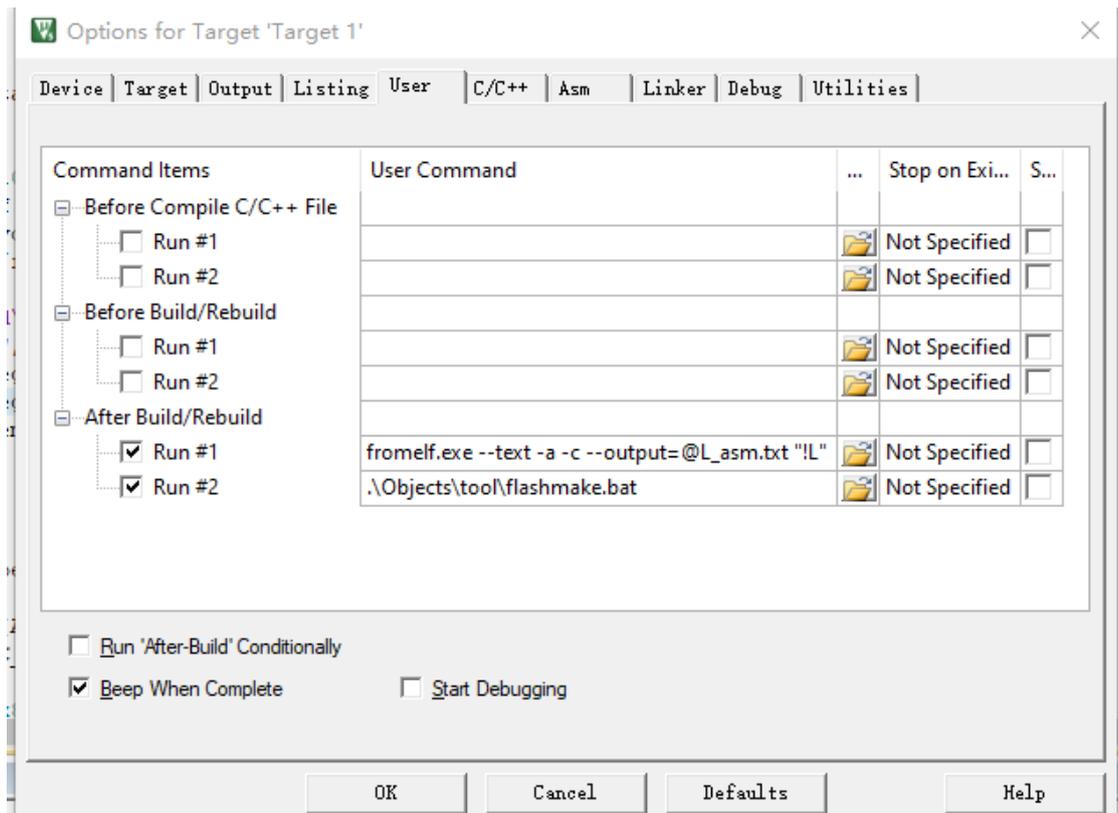
2):output 界面:



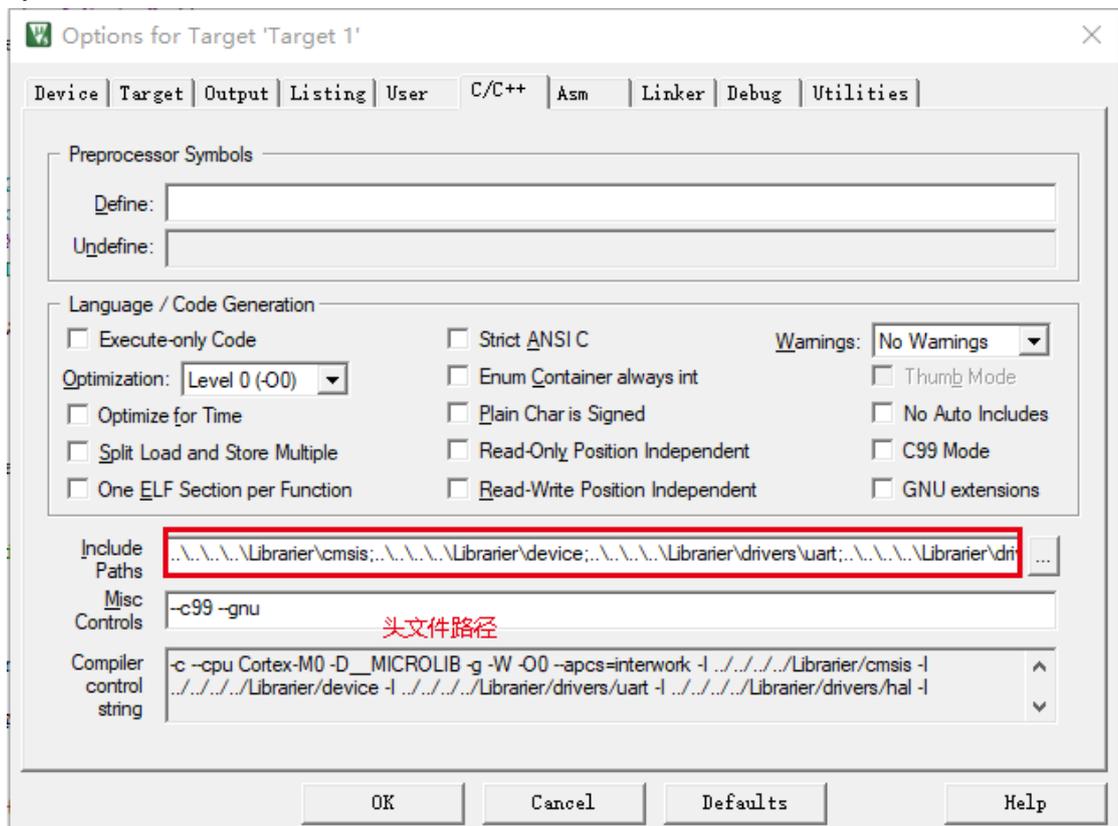
### 3): Listing:



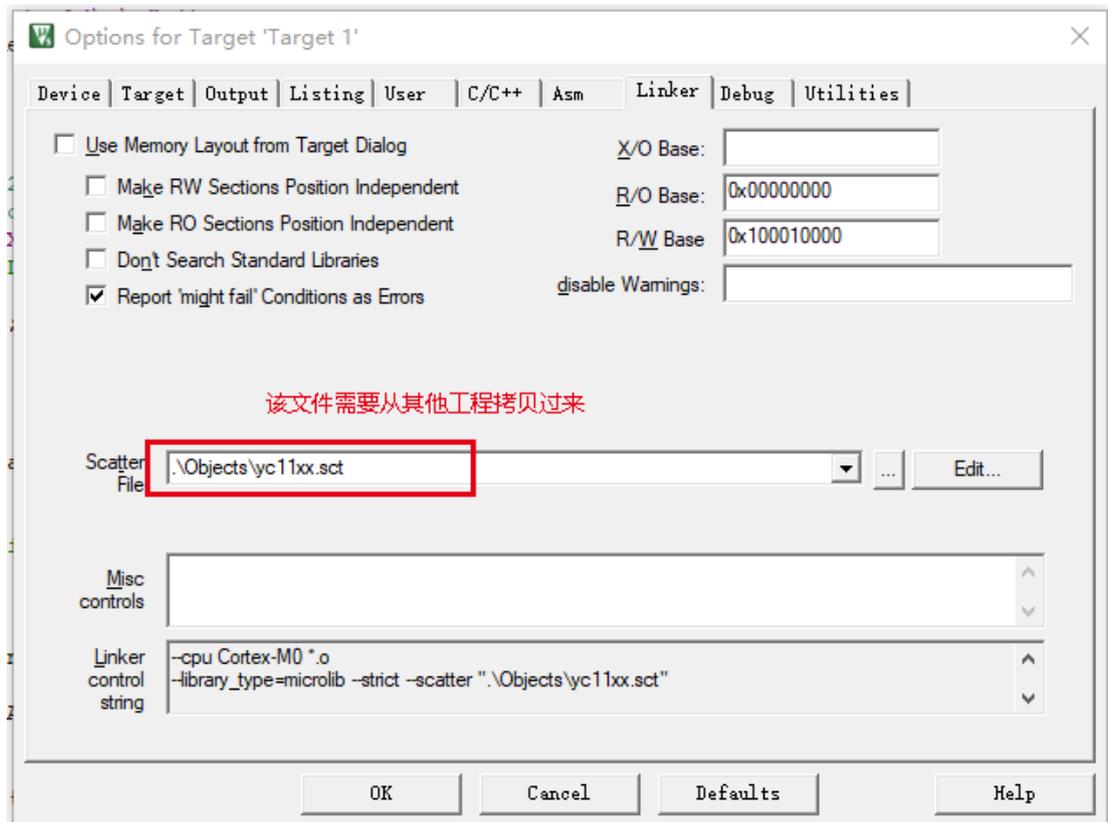
### 4): User



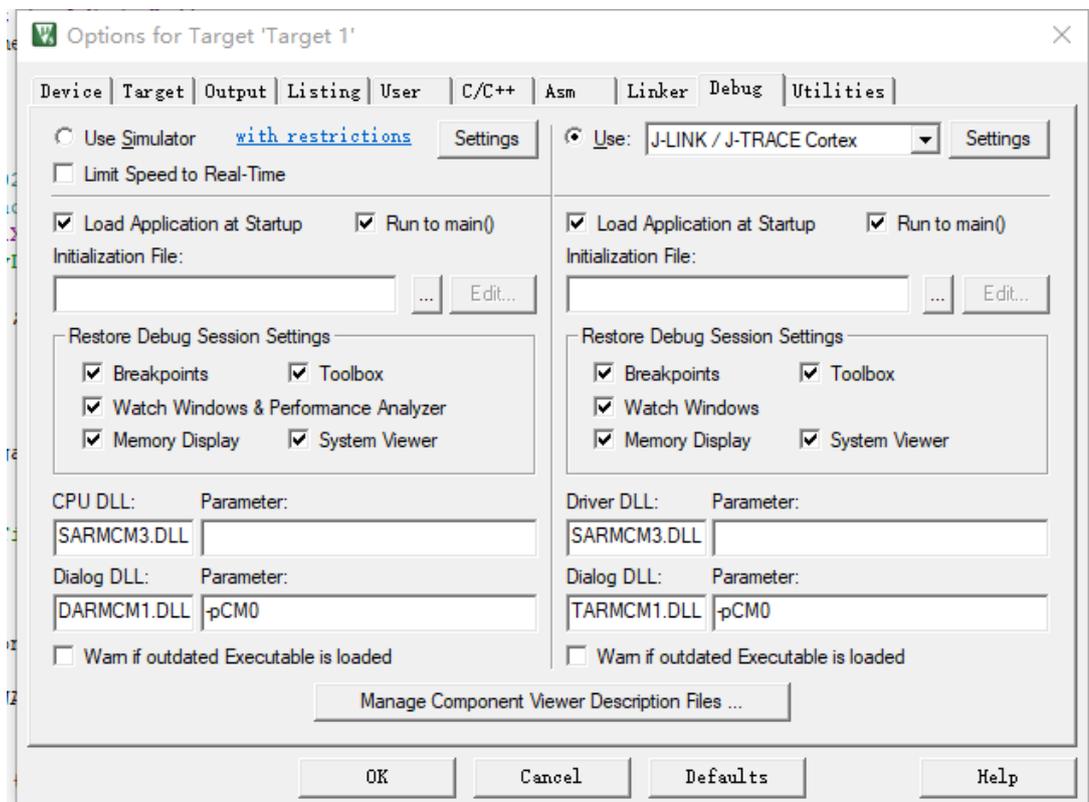
#### 5):C/C++



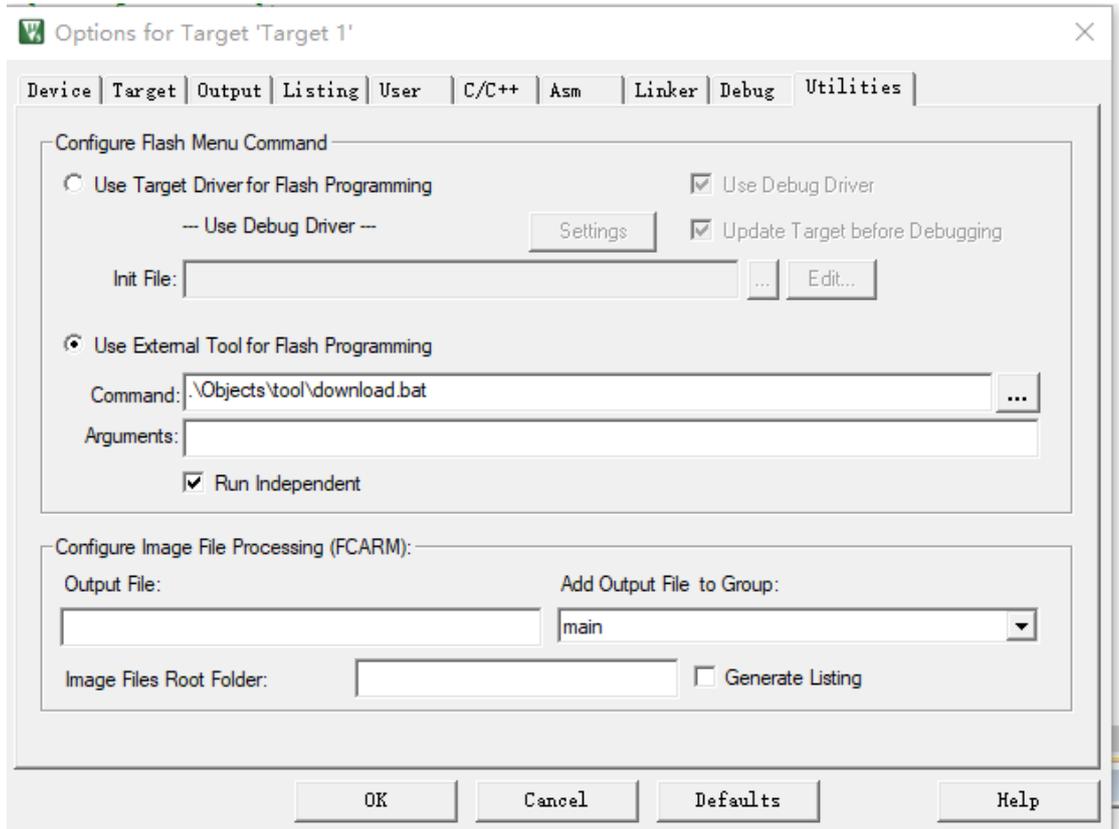
#### 6): Linker:



## 7) Debug:

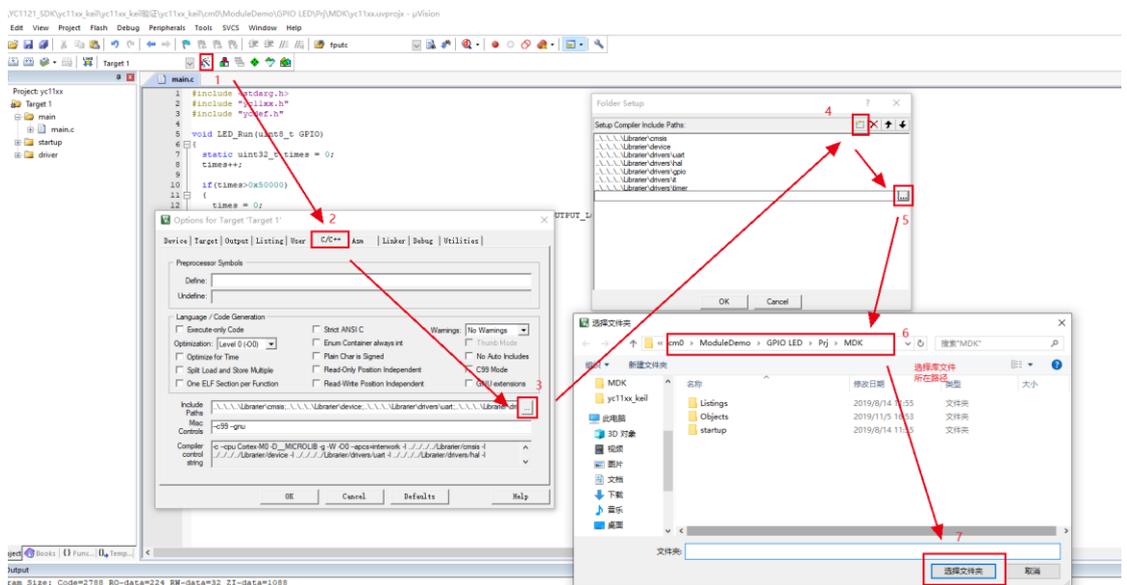


## 8): Utilities:



### 3、库文件的添加：

头文件的添加。按照下图所示步骤，依次执行。然后再对应的文件头通过 `#include "xxx.h"` 指令添加头文件



## 库函数的添加

The image shows a software development environment with three main components:

- File Explorer (Left):** A tree view showing a folder named 'driver' which is highlighted with a red box. Below it are several files: 'yc11xx\_uart.c', 'yc\_drv\_common.c', 'yc11xx\_gpio.c', 'kservice.c', 'yc\_it.c', 'yc\_timer.c', and 'systick.c'.
- Code Editor (Middle):** A C source file with the following code:

```
8 times++;
9
10 if(times>0x50000)
11 {
12     times = 0;
13     GPIO_CONFIG(GPIO) = (GPIO_CONFIG(GPIO) == GPCFG_OUTPUT_HIGH) ? GPCFG_OUTPUT_LOW : GPCFG_OUTPUT_HIGH;
14 }
15 }
16
17 int main(void)
18 {
19     while(1)
20     {
21         LED_Run(14);
22     }
23 }
24
25
```
- Add Files to Group Dialog (Right):** A dialog box titled 'Add Files to Group "driver"'. It shows a search scope of 'MDK'. A table lists files with their names, modification dates, and types. The 'Add' button is highlighted with a red box.

Red arrows and text annotations provide instructions:

- An arrow points from the 'driver' folder in the file explorer to the 'MDK' search scope in the dialog box, with the text "双击添加文件" (Double-click to add file).
- An arrow points from the 'MDK' search scope to the file list, with the text "选择文件路径" (Select file path).
- An arrow points from the 'Add' button to the file list, with the text "选择具体要添加的文件, 然后点击Add, 完成添加" (Select the specific file to be added, then click Add, complete the addition).

名称	修改日期	类型
Listings	2019/8/14 11:55	文
Objects	2019/11/8 16:53	文
startup	2019/8/14 11:55	文