

PIOC 使用说明

版本：V1.0

<https://wch.cn>

一、概述

以 CH32H417 芯片为例，IDE 使用 MounRiver 编译器，可选择使用板载或独立的 WCH-Link 进行仿真和下载，并提供了 PIOC 模拟 1_Wire 的应用参考示例。

二、使用下载流程

1、打开 PIOC\PIOC_1_Wire\V3F\Asm\RGB1W.ASM 汇编源文件，进行修改并保存。



2、双击 RGB1W.BAT 脚本进行编译。

```
C:\Windows\system32\cmd.exe
C:\Users\OWNER\Documents\Download\CH32H417EVT_V1.2\CH32H417EVT_V1.2\EVT\EXAM\PIOC\PIOC_1_Wire\V3F\Asm>..\..\..\Tool_Manual\Tool\WASM53B RGB1W
MCU CH53X ASSEMBLER: WASM53B Ver 3.1
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Website: http://wch.cn

Open source file RGB1W.ASM
Create list file RGB1W.LST
Create data file RGB1W.BIN
Success, END=0240H

C:\Users\OWNER\Documents\Download\CH32H417EVT_V1.2\CH32H417EVT_V1.2\EVT\EXAM\PIOC\PIOC_1_Wire\V3F\Asm>..\..\..\Tool_Manual\Tool\BIN_HEX RGB1W.BIN RGB1W_inc.h /C

Binary to HEX V3.0, Copyright (C) wch.cn 2016
for include data in C or ASM source file
Source size: 1152 bytes

C:\Users\OWNER\Documents\Download\CH32H417EVT_V1.2\CH32H417EVT_V1.2\EVT\EXAM\PIOC\PIOC_1_Wire\V3F\Asm>PAUSE
请按任意键继续. . .
```

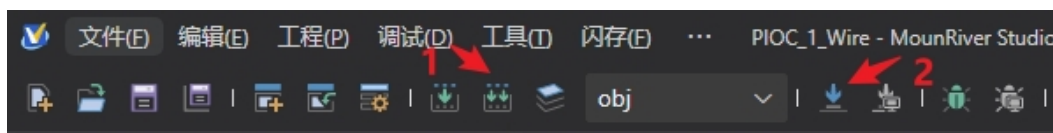
3、打开 RGB1W_inc.h 将里面的内容全选复制。

4、打开 PIOC\PIOC_1_Wire 文件夹，双击打开 PIOC_1Wire.wvsln 工程，

将 PIOC_1_Wire_V3F\User\RGB1W.C 和 PIOC_1_Wire_V5F\User\RGB1W.C 里的 PIOC_1W_CODE 数组均替换成刚刚复制的内容。

```
__attribute__((aligned(16))) const unsigned char PIOC_1W_CODE[] =
{0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x1F,0x60,0x00,0x00,0x00,0x00,0x00,0x00,
 0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x30,0x00,0x00,0x00,0x08,0x70,
 0x00,0x00,0x08,0x70,0x00,0x00,0x08,0x70,0x00,0x00,0x00,0x00,0x00,0x00,0x08,0x70,
 0x08,0x70,0x00,0x00,0x00,0x00,0x00,0x00,0x30,0x00,0x00,0x00,0x00,0x00,0x1C,0x5E,
 0x1C,0x47,0x1C,0x5D,0x1F,0x60,0x1C,0x47,0x1E,0x02,0x09,0x10,0x3C,0xC1,0x49,0xC2,
 0x3F,0xC3,0x3A,0x80,0x20,0x2F,0x4C,0x38,0x60,0x2F,0x9E,0x38,0x87,0x2F,0x3A,0x38,
 0xFC,0x2F,0xED,0x38,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
 0x00,0x00,0x00,0x00,0x01,0x28,0x99,0x60,0x00,0x00,0x27,0x72,0x99,0x60,0x00,0x00,
 0x27,0x72,0x99,0x30,0x4B,0x24,0x28,0x22,0xE5,0x71,0x04,0x15,0x44,0x30,0x09,0x15,
 0x43,0x30,0x00,0x00,0x33,0x72,0x99,0x60,0x00,0x00,0x08,0x01,0x0B,0x40,0x0A,0x48,
 0x0C,0x01,0x06,0x28,0x0B,0x54,0x99,0x60,0x09,0x02,0x04,0x10,0x20,0x24,0x00,0x00,
 0x0B,0x48,0x15,0x70,0x01,0x5F,0x0B,0x40,0x0E,0x70,0x0B,0x40,0x14,0x70,0x0B,0x48,
 0x15,0x70,0x01,0x5E,0x0B,0x40,0x0E,0x70,0x0B,0x40,0x14,0x70,0x0B,0x48,0x15,0x70,
 0x01,0x5D,0x0B,0x40,0x0E,0x70,0x0B,0x40,0x14,0x70,0x0B,0x48,0x15,0x70,0x01,0x5C,
 0x0B,0x40,0x0E,0x70,0x0B,0x40,0x14,0x70,0x0B,0x48,0x15,0x70,0x01,0x5B,0x0B,0x40,
 0x0E,0x70,0x0B,0x40,0x14,0x70,0x0B,0x48,0x15,0x70,0x01,0x5A,0x0B,0x40,0x0E,0x70,
 0x0B,0x40,0x14,0x70,0x0B,0x48,0x15,0x70,0x01,0x59,0x0B,0x40,0x0E,0x70,0x0B,0x40,
 0x14,0x70,0x0B,0x48,0x15,0x70,0x01,0x58,0x0B,0x40,0x0F,0x70,0x01,0x02,0x0B,0x40,
 0x17,0x70,0x04,0x15,0x58,0x30,0x1E,0x28,0xEA,0x71,0xEA,0x71,0x04,0x00,0x0B,0x54,
 0x04,0x28,0x1D,0x10,0x1C,0x4F,0x1F,0x60,0x02,0x28,0x99,0x60,0x00,0x00,0x09,0x46,
 0x08,0x01,0x0B,0x41,0x0A,0x49,0x0C,0x01,0x06,0x28,0x0B,0x55,0x99,0x60,0x09,0x02,
 0x04,0x10,0x20,0x24,0x00,0x00,0x0B,0x49,0x15,0x70,0x01,0x5F,0x0B,0x41,0x0E,0x70,
 0x0B,0x41,0x14,0x70,0x0B,0x49,0x15,0x70,0x01,0x5E,0x0B,0x41,0x0E,0x70,0x0B,0x41,
 0x14,0x70,0x0B,0x49,0x15,0x70,0x01,0x5D,0x0B,0x41,0x0E,0x70,0x0B,0x41,0x14,0x70,
 0x0B,0x49,0x15,0x70,0x01,0x5C,0x0B,0x41,0x0E,0x70,0x0B,0x41,0x14,0x70,0x0B,0x49,
 0x15,0x70,0x01,0x5B,0x0B,0x41,0x0E,0x70,0x0B,0x41,0x14,0x70,0x0B,0x49,0x15,0x70,
 0x01,0x5A,0x0B,0x41,0x0E,0x70,0x0B,0x41,0x14,0x70,0x0B,0x49,0x15,0x70,0x01,0x59,
 0x0B,0x41,0x0E,0x70,0x0B,0x41,0x14,0x70,0x0B,0x49,0x15,0x70,0x01,0x58,0x0B,0x41,
 0x0F,0x70,0x01,0x02,0x0B,0x41,0x17,0x70,0x04,0x15,0xAB,0x30,0x1E,0x28,0xEA,0x71,
```

5、将工程进行编译，然后选择下载程序。



三、声明注意

1) 如使用 WCH-Link 下载时，其 CON 指示灯应为长灭，若 CON 点亮，具体切换模式方法参考 WCH-Link 使用说明。

详细查询\提问可登陆如下：

沁恒微电子社区：<https://www.wch.cn/bbs/forum-106-1.html>

沁恒官网：<https://www.wch.cn/>

WCH-Link 使用说明：<https://www.wch.cn/products/WCH-Link.html>