MEGAHUNT

AN2x0096

应用手册

MH2435

MDK JLINK 配置

引言

本文档介绍 JLINK 环境的搭建方法及常见问题。

关键词

Keil、JLINK、Utilities Flash

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1. Keil 下搭建 JLINK 环境

1.1. 选择 Device

Device 选择 Cortex-M4 FPU。

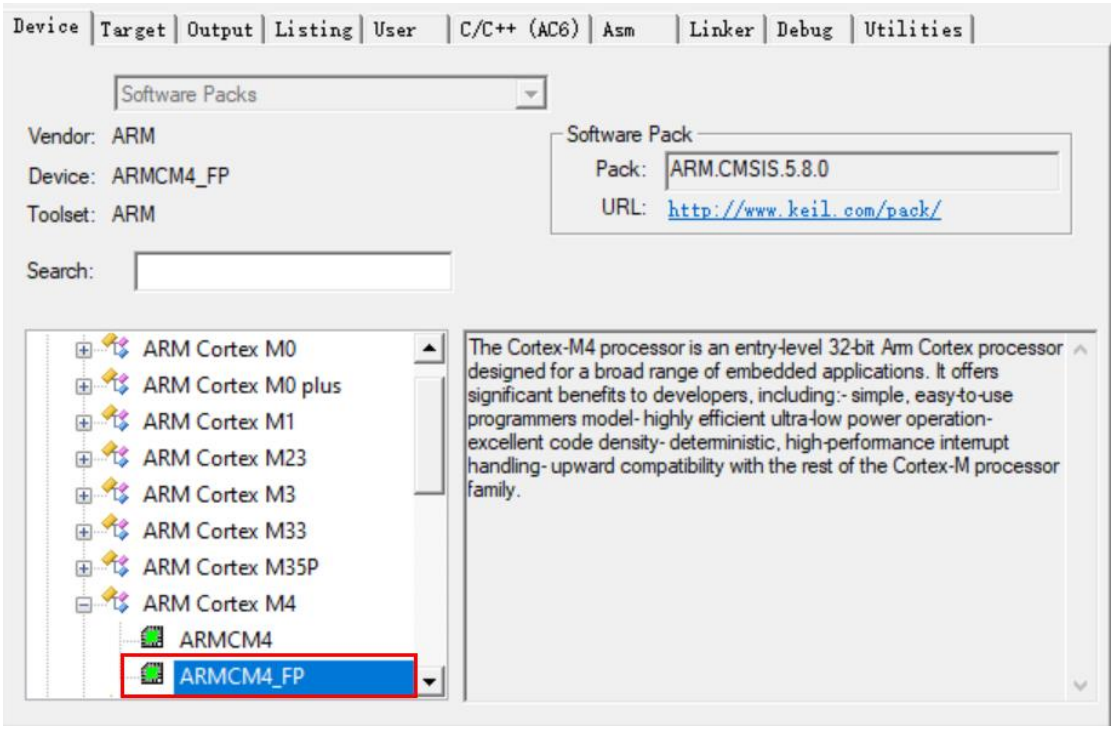


图 1-1 选择 Device

1.2. 设置 Target

在 Flash 中调试时 IROM 起始地址需要在 0x8001000 或以后地址，size 根据实际程序大小配置即可。注意 IROM 起始地址+大小不能超出内部 Flash 地址范围。

芯片内置 1MB 的静态 SRAM(地址：0x20000000~0x200FFFFF)，IRAM 配置在此范围即可，具体可参考下图示例配置。

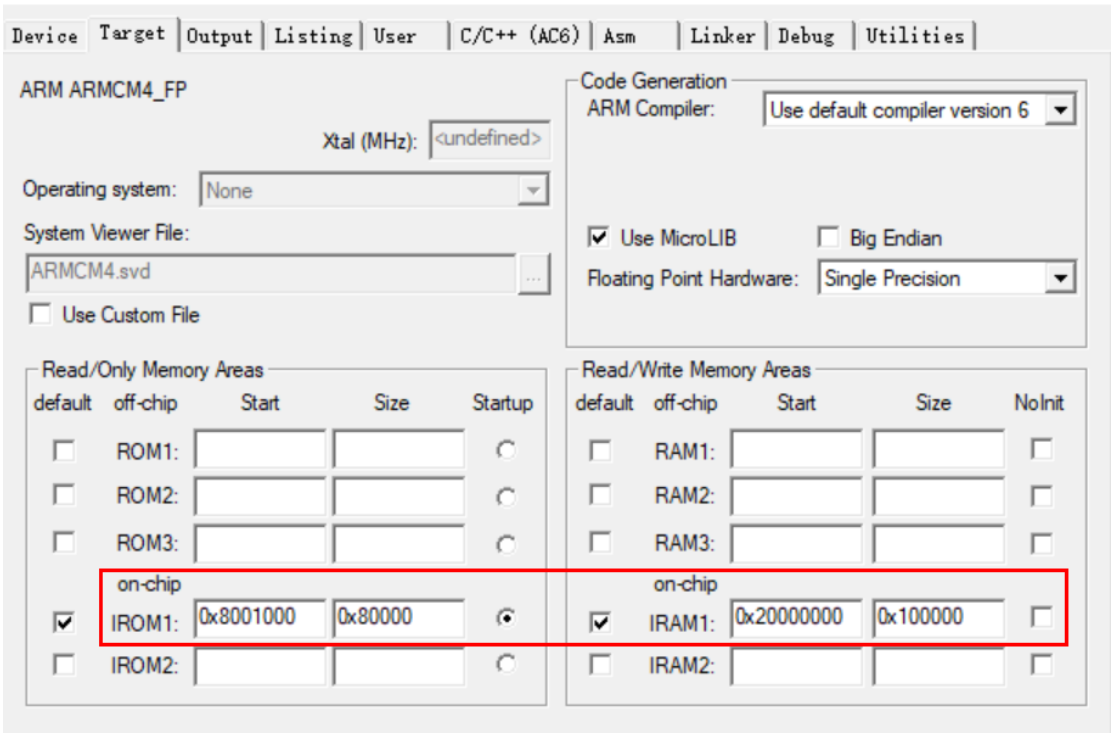


图 1-2 Target 设置

1.3. 设置仿真器

选择 J-LINK/J-Trace Cortex 仿真器，点击 Settings 设置仿真器，如下：

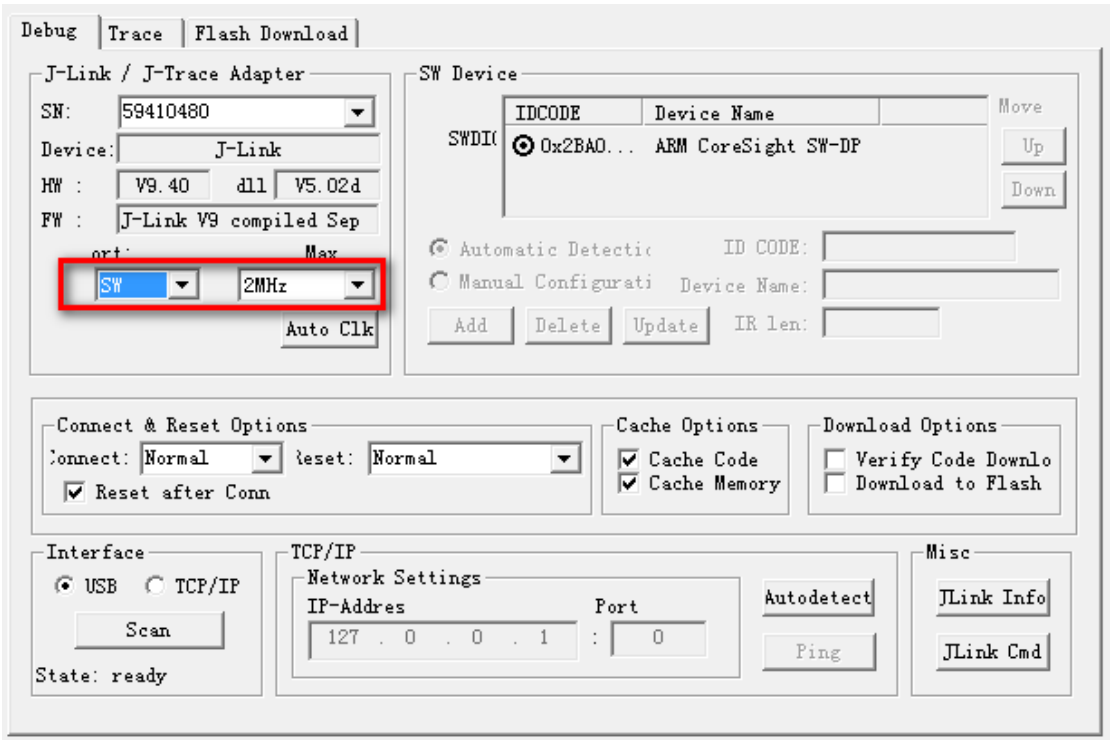


图 1-3 仿真器设置一

勾选 Run to main 启动调试时，程序在 main 入口处停止。

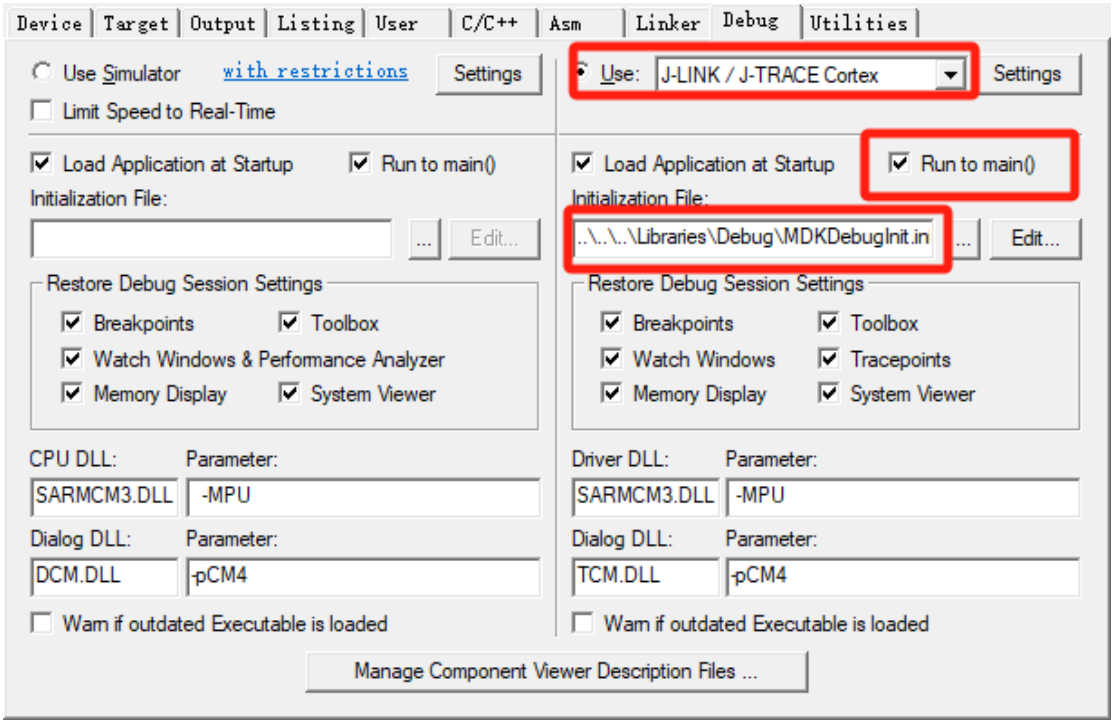


图 1-4 仿真器设置二

Initialization File 文件内容见图 1-5。PC 地址通过自动获取得到。

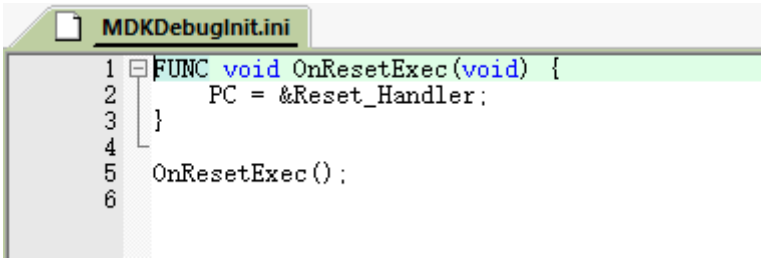


图 1-5 Flash.ini 文件

备注：程序以向量表开始，CM4 对应的向量表地址偏移 0x00 对应 MSP 初始值，地址偏移 0x04 对应复位向量。

1.4. 设置 Utilities flash

在 Flash Download 标签 Add 对应的 FLM 文件，需要将资料中的 MH2435.FLM 文件拷贝至 Keil 安装目录\ARM\Flash 目录下。

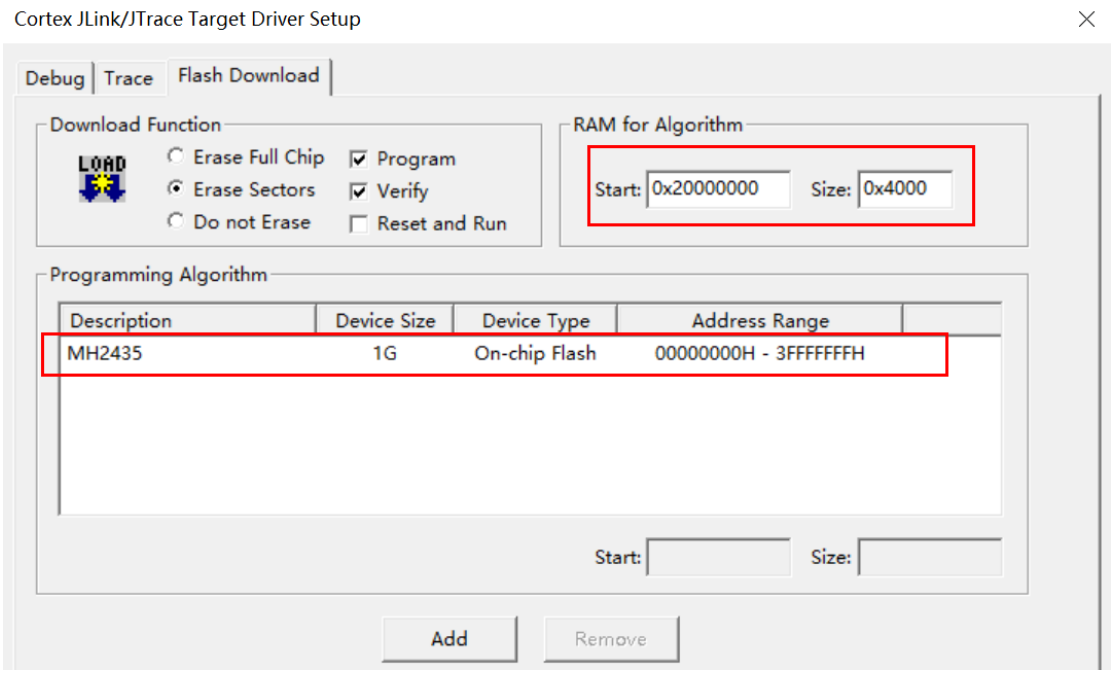


图 1-6 Flash Download 设置

2. 修订历史

表 2-1 修订历史

日期	修订版本	描述
2025-08-06	1.0	初稿完成
2025-11-20	1.1	更新模板和优化排版

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