安装Keil开发环境

pibot docs/software/MDK520目录提供了Keil5的安装包MDK520.EXE,安装过程不再赘述

完成安装后需要继续安装Keil.STM32F1xx_DFP.2.2.0.pack

编译与烧写

编译

到PIBOT源码包中双击打开pibot.uvprojx工程,编译



烧写程序

这里我们使用JLink烧写程序,连接JLink至开发板,开发板上电这里的JLink只需要连接GND SWDIO SWCLK三根线 打开工程选项,切换至Debug标签,选择JLink

🖏 Options for Target 'Target 1'	>		
Device Target Output Listing User C/C++)	Asm Linker Debug Vtilities		
C Use Simulator with restrictions Settings	€ Use: J-LINK / J-TRACE Cortex ✓ Settings		
Limit Speed to Real-Time	ULINK Pro Cortex Debugger		
✓ Load Application at Startup ✓ Run to main() Initialization File:	Load J-LINK / J-TRACE Cortex Fast Models Debugger Cortex-M Initializatic ST-Link Debugger PEMice Debugger		
Edit	NULink Debugger		
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SARMCM3.DLL	SARMCM3.DLL		
Dialog DLL: Parameter:	Dialog DLL: Parameter:		
DARMSTM.DLL pSTM32F103C8	TARMSTM.DLL pSTM32F103C8		
Manage Component Viewer Description Files			
OK Car	ncel Defaults Help		

点击Settings按钮, Port选择SW

ortex JLink/JTrace Target Driver Setup				
Debug Trace Flash Download				
J-Link / J-Trace Adapter	SW Device			
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Device: J-Link ARM-OB STM32	SWDI	Up		
HW : V7.00 dll : V5.12e		Down		
EW · J-Link ARM-OB STM32 com		DOWN		
Port: Max	Automatic Detection ID CODE:	-		
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Debug Trace	Flash Download]						
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保存后即可烧写程序

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Erase Done. Programming Done. Verify OK. Application running Flash Load finished at 12:44:3	5
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同时可以看到程序运行指示灯在闪烁表示程序在正常运行了