# SP4x\_ProgAdapter Using as programmer and debugger for custom boards

IFAG ATV SC MEMS TM 2021-03-29

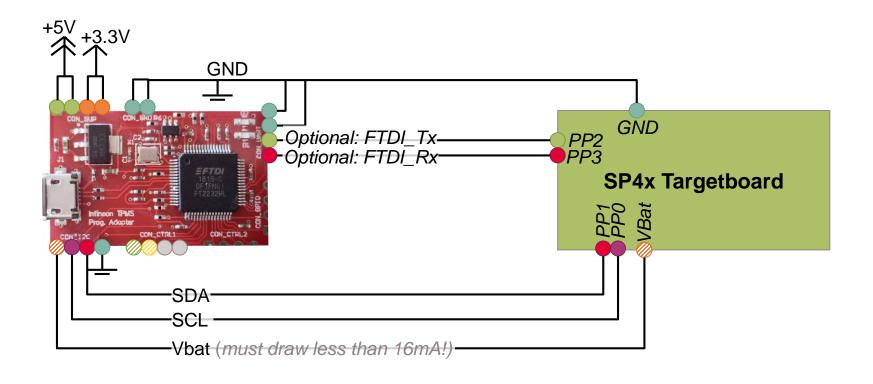




Using as programmer and debugger for custom boards

1.1

**HW setup 1: Simple** 

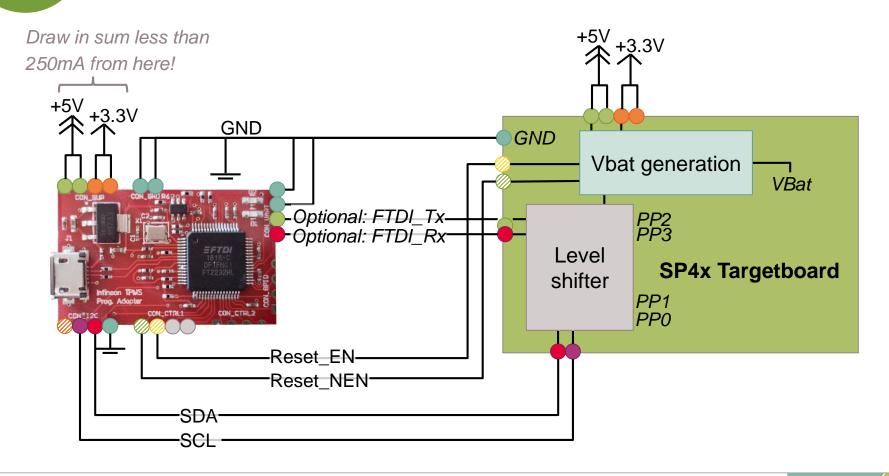




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1.2

#### **HW setup 2: Advanced**





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2.1

SW setup 1: Keil plugin

# Install Keil plugin via installer

SP4xTargetGen2\_Installer.exe





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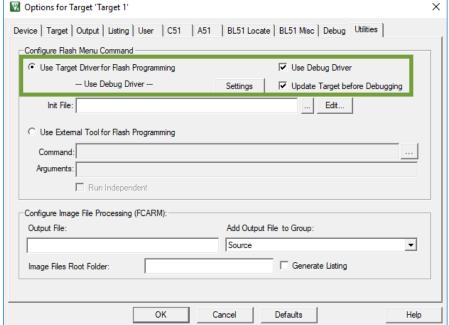
2.2

#### **SW setup 2: Configure project**

## Configure Keil project to use new plugin

Target options > Debug Options for Target 'Target 1' × RI 51 Locate RI 51 Misc Debug | Utilities | Device Target Output Listing User C51 A51 C Use Simulator Settings Use: SP4xTarget Gen2 ▼ Settings Limit Speed to Real-Time ✓ Load Application at Startup Run to main() Load Application at Startup Run to main() Initialization File: Initialization File: Edit.. Restore Debug Session Settings Restore Debug Session Settings ✓ Breakpoints ▼ Toolbox ▼ Breakpoints ▼ Toolbox ✓ Watch Windows & Performance Analyzer ✓ Watch Windows Memory Display Memory Display CPUIDLE: Parameter: Driver DLL: Parameter: S8051.DLL S8051.DLL Dialog DLL: Parameter: Dialog DLL: Parameter. DP51.DLL -p52 TP51.DLL -p52 OK Cancel Defaults Help

Target options > Utilities





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