

Install Keil MDK Version 5

- Download and install the MDK Core from www.keil.com/mdk5/install

Add Software Pack using the Pack Installer

- **Keil::LPC1800_DFP** – NXP LPC1800 Series Device Support

Power up the board

- Connect a USB power supply to the **Power** receptacle
- Connect the board to the PC using the **Trace Connector** and a debug adapter, for example ULINK_{pro}

Verify Installation

- Copy a ready-to-run example with the Pack Installer. Compile, flash, and debug the application.
- Or download examples that apply to this board www.keil.com/dd2/nxp/lpc1850

More Information

- Evaluation Board Description www.keil.com/boards2/keil/mcb1800
- MCB1800/4300 User's Guide www.keil.com/support/man/docs/mcb1800

Related Information

- MDK Version 5 www.keil.com/mdk5
- Getting Started User's Guide www.keil.com/gsg
- MDK-Professional Middleware www.keil.com/middleware
- Learning Platform www.keil.com/learn

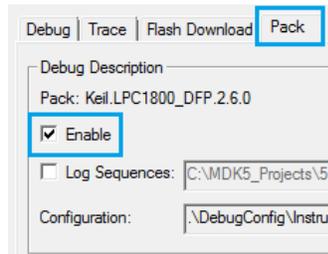
ULINKpro Debugger and Trace Adapter

Connect ULINKpro to the **Trace** connector of the board and choose **ULINK Pro Cortex Debugger**.

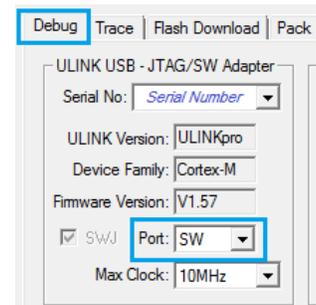
Click **Settings**.



On the **Pack** tab, enable debug description.



On the **Debug** tab, select Port **SW**.

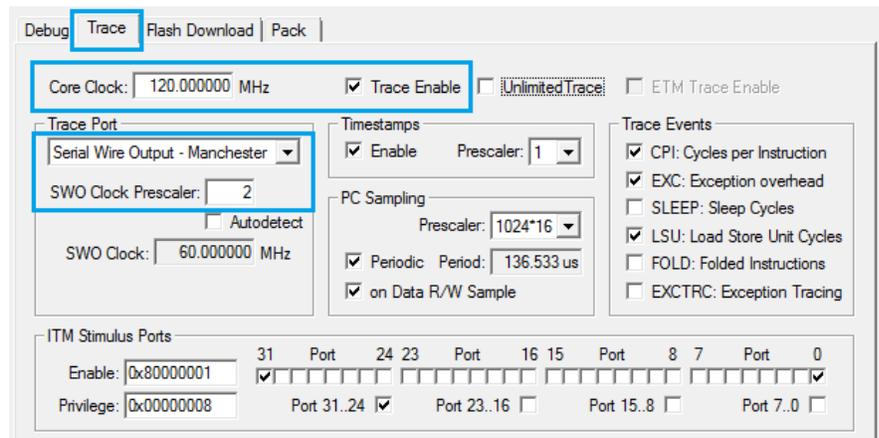


Trace Settings (SWO trace)

On the **Trace** tab, ensure **Core Clock** corresponds to the CPU Core Clock as specified in your project.

Check **Trace Enable**.

For the Trace Port, select **Serial Wire Output–Manchester**, disable **Autodetect** and set **SWO Clock Prescaler** to **2**.



More instructions for trace configuration can be found on www.keil.com/mdk5/ulink/ulinkpro.

In **Quick Links**, select **ULINKpro User's Guide**; continue with **Configure Cortex-M Devices for Tracing**, then chapter **NXP LPC18xx Devices**.