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::LPC54000_DFP** – NXP LPC54000 Series Device Support

Power up the board

- Connect the board to the PC using the USB connector marked **USB Link**.
- Driver installation should start automatically. A successful installation will show a "USB Input Device".

Verify Installation using example projects provided in the Software Pack or download examples that apply to this board   www.keil.com/dd2/nxp/lpc54114j256bd64

- Copy an example using the Pack Installer. Compile, download to Flash, and debug the application. The provided examples are ready to run. Trace settings might have to be adapted.

More Information
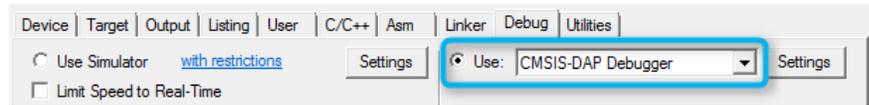
- Evaluation Board Description   www.keil.com/boards2/keil/mcb54000
- MCB54110 User's Guide   www.keil.com/support/man/docs/mcb54110

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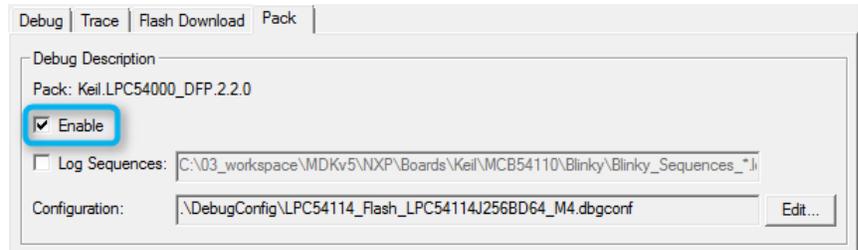
- MDK Version 5   www.keil.com/mdk5
- Getting Started User's Guide   www.keil.com/gsg
- MDK-Professional Middleware   www.keil.com/middleware
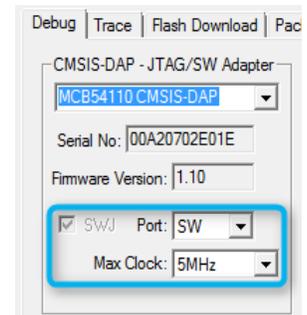- Learning Platform   www.keil.com/learn

CMSIS-DAP

In the dialog **Options for Target – Debug** enable **Use** and select **CMSIS-DAP Debugger**. Click on **Settings**.

Switch to the **Pack** tab and check **Enable** to activate the Debug Description.

Switch to the **Debug** tab and ensure that **Port** is set to *SW* for Serial Wire Debug. You may adjust the **Max Clock** to the desired debug speed.

Trace Settings

For serial wire trace capability, switch to the **Trace** tab, enter the correct CPU **Core Clock** speed as specified in your project and check **Trace Enable**.

The **Trace Port** is set to *Serial Wire Output – UART/NRZ*.

Make sure that **Autodetect** is enabled for the SWO Clock.