

Install Keil MDK Version 5

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

Add Software Pack using the Pack Installer

- **TexasInstruments::MSP432P4xx_DFP** – Device Family Pack for Texas Instruments MSP432 Series

Power up the board

- Connect a USB power supply to the **Power / XDS110-ET Micro USB Connector**

Verify Installation

- 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.
- Or download examples for this board www.keil.com/dd2/texasinstruments/msp432p401r/

More Information

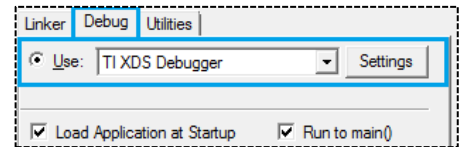
- Evaluation Board Description www.ti.com/tool/MSP-EXP432P401R
- TI XDS Debugger Description www.keil.com/support/man/docs/xds110

Related Information

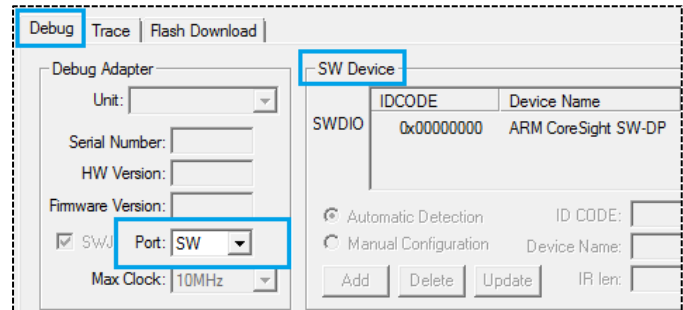
- MDK Version 5 www.keil.com/mdk5
- Getting Started User's Guide www.keil.com/gsg
- MDK-Professional Middleware www.keil.com/middleware
- Learning Platform www.keil.com/learn

Debug with TI XDS Debugger

In μ Vision, open the dialog **Project – Options for Target – Debug** and enable **Use** and select **TI XDS Debugger**. Click on **Settings**.



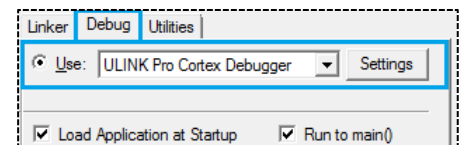
In the **Debug** dialog, set the connection for Serial Wire Debug (SWD) by selecting the **Port SW** and verify the connection in the **SW Device** section.



Debug and Trace with ULINKpro

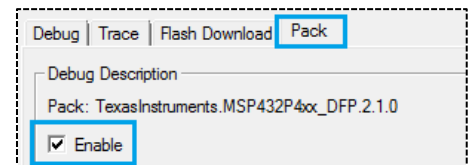
Remove the jumpers as indicated in the picture. Connect ULINKpro to the marked on-board **10-pin Debug Connector**.

Select **ULINK PRO Cortex Debugger** as your debug adapter. Click on **Settings**.



Ensure you have enabled the Debug Description on the **Pack** tab.

Analog to the setting for the **TI XDS Debugger**, click on the **Debug** tab and set the debug **Port** to SW. Verify the connection.



Trace Configuration

Click on **Trace** tab and enter the correct CPU **Core Clock** speed as specified in your project.

Check the **Trace Enable** box.

Set the **Trace Port** to *Serial Wire Output – Manchester*.

