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µVISION DEBUGGER: ST-Link Does Not Connect to STM32F4 Discovery Board

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Information in this knowledgebase article applies to:

MDK-ARM V4.62a

When I connect the STM32F4 Discovery board to µVision the ST-Link driver doesn't find the STM32F4 device on the Discovery board. I have the 2 jumpers at CN3 and the J1 jumper installed.

First, try uninstalling and re-installing the ST-Link driver in Windows. To do this, perform the following steps:

- 1. Open the Windows Device Manager window (Start button, right-click Computer, click Properties, Advanced System Settings, Hardware tab, click Device Manager).
- 2. With the STM32F4 Discovery board plugged in, find the ST-Link Dongle under Other Devices, and rightclick it to display the context help menu.
- 3. Unplug the USB cable from the STM32F4 Discovery board.
- 4. Click Uninstall on the ST-Link Dongle context help menu.
- 5. Plug the USB cable back in the STM32F4 Discovery board. ST-Link Dongle should now display in the USB Controller section.

µVision should find the STM32F4 device now.

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If μ Vision still doesn't find the device, download and install the ST-Link V3.1 utility (http://www.st.com/web/catalog/tools/FM147/SC1887/PF258168), then perform the uninstall/re-install sequence above again. Then the ST-Link driver should connect properly and μ Vision should find the STM32F4 device.

SEE ALSO

- µVision DEBUGGER: ST-LINK USB Communication Error (http://www.keil.com/support/docs/3662.htm)
- μVision DEBUGGER: DEBUGGING WITH ST-LINK THROUGH A USB HUB (http://www.keil.com/support/docs/3549.htm)
- µVision DEBUGGER: STM32F3-Discovery: Modifying the Board for SWO Trace (http://www.keil.com/support/docs/3838.htm)

FORUM THREADS

The following Discussion Forum (/forum/) threads may provide information related to this topic.

- Can't select any STM32L4 devices (/forum/docs/thread63389.asp)
- SWDIO No target connected (/forum/docs/thread63376.asp)
- ST-Link connection problem (/forum/docs/thread58113.asp)

Last Reviewed: Monday, February 4, 2019

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