

Error retrieving ST interface



Overview

This article describes tips to prevent or fix errors encountered when connecting the STM32 target board to your computer such as: “No target connected”, “Target not found”, “No ST-LINK detected”, and “ST-LINK connection error”. We recommend using the STM32CubeProgrammer for programming STM32. I am currently using the ST-LINK debugger to program my STM32F3 Discovery Board. The IDE that I am using is Atollic TrueStudio 5. Now I am facing a very weird problem which is I keep on getting the message Error in initializing ST-Link Device. Reason : (-1) Failed to connect to device. I've designed a following PCB that is intended to drive LoRa RA-02 module with bare STM32F030K6T6. Design is based on the "AN4325 - Getting started with STM32F030xx and STM32F070xx. I recommend you to follow the steps mentioned in the following article to connect to the STM32 board using STM32CubeProgrammer: [How can I connect to my STM32 evaluation board using STM32CubeProgrammer?](#)

Verify all physical connections, such as: USB cables and connectors, and try using a different. After I ran my code into my STM32F446RE, I couldn't upload any code after my last code, and it gave me this error: I tried to do these options: Update my ST-LINK driver and run it as "dpinst_amd64". In setting, I set "Connect under reset" and SWD interface (I'm not sure about frequency).

Article Content

Oct 22, 2025

ST-Link utilities don't work anymore. : r/embedded

ST-Link utilities don't work anymore. Hello, I recently tried using OpenOCD on my Linux computer with the STM32 Nucleo F401RE board by following the book "Mastering STM32" and it

Apr 25, 2026

Fatal error: ST-Link, Failed to identify target MCU

Posted on July 29, 2011 at 13:10 Hello, I am using stm32f103 mcu and st-link debugger but when i connect it and debug m code i get the error

Jan 29, 2026

STM32 programming with ST-Link problem

At level 2 the JTAG interface is completely and permanently disabled. The chip will continue to run the firmware programmed into it, but if you ever want to change anything, it's scrap

May 16, 2026

STM32 & ST-LINK

I am not sure about what you have written, because - as I said - I managed to successfully program my flash and the program still executes itself

Jan 20, 2026

How Do You Fix the Retrieving The COM Class

Understanding this concept is essential for developers aiming to harness COM's capabilities effectively, troubleshoot related errors, or optimize component usage in their software. At its core, retrieving the

Jul 07, 2025

How to fix communication issues between ST-LINK and

Discover effective solutions for firmware developers to resolve communication problems between ST-LINK and STM32 devices in this

Aug 14, 2025

The interface firmware FAILED to reset/halt the ta ...

When I connect my STM32F401RE board to the PC via USB cable, a FAIL.txt file appears with the message "The interface firmware FAILED to reset/halt

Oct 06, 2025

Nucleo F303RE STLink connection problems in STM32CubeIDE

I am using Nucleo G491RE board and this board is working fine (no ST-Link issues) I have also tried to connect using STM32CubeProgrammer and I was able to do it after unplugging

Feb 17, 2026

Solved: Error in connection to STM32 after upgrading to

Hello, after upgrading from 1.12.1 to 1.13.1 I encounter the following problem when trying to download my (previously working fine) project onto

Dec 03, 2025

No ST-LINK detected Error message

This article describes tips to prevent or fix errors encountered when connecting the STM32 target board to your computer such as: "No target connected", "Target not found", "No ST

Jun 02, 2026

The interface firmware FAILED to reset/halt the ta ...

2024-11-04 8:48 PM "I'm working with STM32 NUCLEOF429ZI but I encountered this error. Right after I plugged in the cable to upload the program, the txt file showed this error. Please help me identify the

Aug 25, 2025

STM32 & ST-LINK

The ST Flash Loader Demonstrator is a tool which allows you to erase / program the micro using the UART interface. If you can't access any of the

Jun 23, 2026

"The interface firmware FAILED to reset/halt the t ...

The message "The interface firmware FAILED to reset/halt the target MCU" means that the MCU cannot be accessed by the STlink. This message

Dec 01, 2025

Troubleshooting: ST-LinkV2 fails to connect to STM32F030K6T6

Hi, would really appreciate some ideas on how to troubleshoot ST-Link to STM32F030K6T6 connectivity, details below. I've designed a following PCB that is intended to drive

Jun 15, 2026

stlink not updating (stlink device lost when exiting upgrade mode ...

I will not comment on this. Their IDE thus chooses to not let you update, or use it. So, to update it, download their old (labelled NRND) software, called ST-LINK UTILITY. This will allow you to upgrade

Oct 27, 2025

Openocd error : "Error: Can't find interface/stlin ...

Labels: ST-Link STM32H7 series Zephyr Screenshot from 2022-01-08 14-03-29.png
162 KB 0 Kudos

Aug 18, 2025

How to solve connection errors when connecting and ...

Summary This article describes tips to prevent or fix errors encountered when connecting the STM32 target board to your computer such as: "No target connected", "Target not found", "No ST

Dec 15, 2025

Topic: Debug STM32, Unable to connect to target | Sysprogs

I get this error when running from Visual Studio using either "Debug => Start Debugging" or "Debug => Start Debugging with GDB" (I also tried to connect the ST Link to a different USB port

Dec 20, 2025

Solved: ST-LINK V2 Clone cannot upgrade firmware, so

Here is a sequence of screen captures demonstrating the problem I'm encountering (in particular, the firmware version displayed by the software

May 27, 2026

How to solve this error? ===== DFU Interface ...

I can't connect to my STM32MP157 evaluation board. I have installed required libraries as described in the tutorial:

Jan 08, 2026

Solved: No ST-LINK detected! Please connect ST-LINK and re ...

No ST-LINK detected! Please connect ST-LINK and restart the debug session. Please help me. I am user.

Feb 08, 2026

Important commands for the CLI tool "st-info" | Forrest

The tool can retrieve the chip's unique ID, the flash memory layout, and the available peripherals. st-info is a versatile tool that can be used to identify the connected STM32 microcontrollers when multiple

May 01, 2026

Error: Can not connect to target! In STM32 ST-Link Utility

I have done the same connections on my custom board as i did on my blue pill. but for some reason blue pill works in one go where as the custom board (stm32f103vct6) fails to connect. i

Aug 04, 2025

STM32 programming with ST-Link problem

Author Topic: STM32 programming with ST-Link problem - "cannot connect to device" (Read 48133 times) 0 Members and 1 Guest are viewing this topic.

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