

The hexagonal board schematic and PCB layout are for reference only.  
You can use your own STM32 development boards to follow the HexFlashLab examples.

## Thank you for purchasing the HexFlashLab Package for Developers!

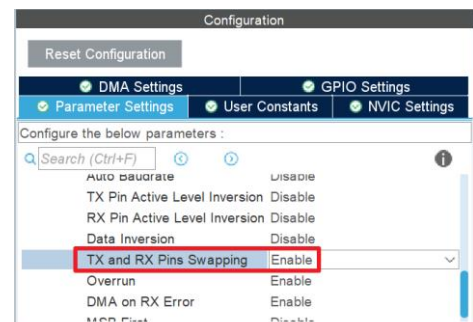
HexFlashLab is an ongoing project, and your purchase helps keep it moving forward. I solve common STM32 issues across different series to save you hours of debugging. Paid users get access to practical examples, time-saving tips, and all future updates packed in a single ZIP file—beyond what’s available on my [YouTube channel](#). To get updates, just check my channel and download the latest HexFlashLab.zip package.

### Planned Package Structure

The ZIP file mainly contains example source code and short PDF guides. To maintain compatibility with previously released [YouTube videos](#), some redundancy may occur—the package includes both the latest and older versions of certain examples.

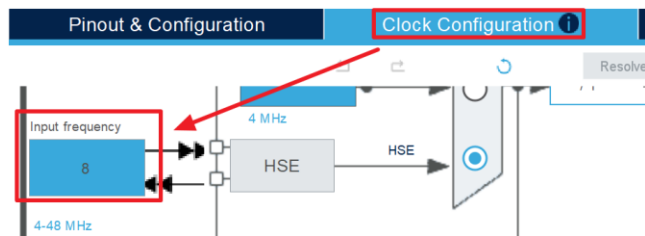
Currently, the package includes basic examples demonstrating flash read, write, and erase operations using the serial commands **0x01**, **0x02**, and **0x03**:

- HexFlashLab-STM32F103C8T6
- HexFlashLab-STM32F407VET6
- HexFlashLab-STM32G474RET6 (TX/RX pin swap)
- HexFlashLab-STM32H743VIT6 (TX/RX pin swap)
- HexFlashLab-STM32L476RGT6 (TX/RX pin swap)
- HexFlashLab-STM32U575VGT6 (TX/RX pin swap)



Before using the source code, make sure to disable the TX/RX pin swap option in STM32CubeMX and re-generate the code. When I first ordered the HexFlashLab board, I accidentally swapped the TX and RX pins of the UART interface. On newer STM32 series, this can be easily fixed by enabling the TX/RX pin swap option. ***I intentionally left the pin swap enabled so you notice it and become familiar with this feature, as it can be useful for achieving cleaner PCB routing.***

The second thing to check is the HSE crystal frequency. All HexFlashLab examples use an 8 MHz HSE crystal, and if your board uses a different frequency, you should update the clock configuration accordingly:



## Support

For questions about HexFlashLab examples, please first consult the included PDF guides and related YouTube tutorials, where explanations and updates are regularly posted. Also make sure you have downloaded the latest ZIP file from <https://hexflashlab.com>. You can provide feedback or ask questions by commenting on the relevant videos.

For other inquiries, contact [support@hexflashlab.com](mailto:support@hexflashlab.com).