

**БЕСПРОВОДНОЕ ПЕРЕГОВОРНО-
ПОИСКОВОЕ УСТРОЙСТВО
(БЕСПРОВОДНАЯ МЕТКА)**

Модель

БМ-3

ТУ 26.30.11.110-001-83119069-2018

Инструкция по программированию

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1. Процесс программирования устройства БМ-3 возможен только при использовании специализированного кабеля micro-USB, предоставляемого компанией-производителем.
2. Подготовка к программированию заключается в установке на ПК или ноутбук приложения STM32CubeProgrammer. Скачать его можно по ссылке:

<https://www.st.com/en/development-tools/stm32cubeprog.html>

All features

- Erases, programs, views and verifies the content of the device Flash memory
- Supports Motorola S19, Intel HEX, ELF, and binary formats
- Supports debug and bootloader interfaces:
- Offers a command-line interface for automation through scripting
- ST-LINK firmware update
- Enables secure firmware creation using the STM32 Trusted Package Creator tool

[Read more](#)

Get Software

Part Number	General Description	Latest version	Download	All versions
+ STM32CubePrg-Lin	STM32CubeProgrammer software for Linux	2.9.0	Get latest	Select version
+ STM32CubePrg-Mac	STM32CubeProgrammer software for Mac	2.9.0	Get latest	Select version
+ STM32CubePrg-W32	STM32CubeProgrammer software for Win32	2.9.0	Get latest	Select version
+ STM32CubePrg-W64	STM32CubeProgrammer software for Win64	2.9.0	Get latest	Select version

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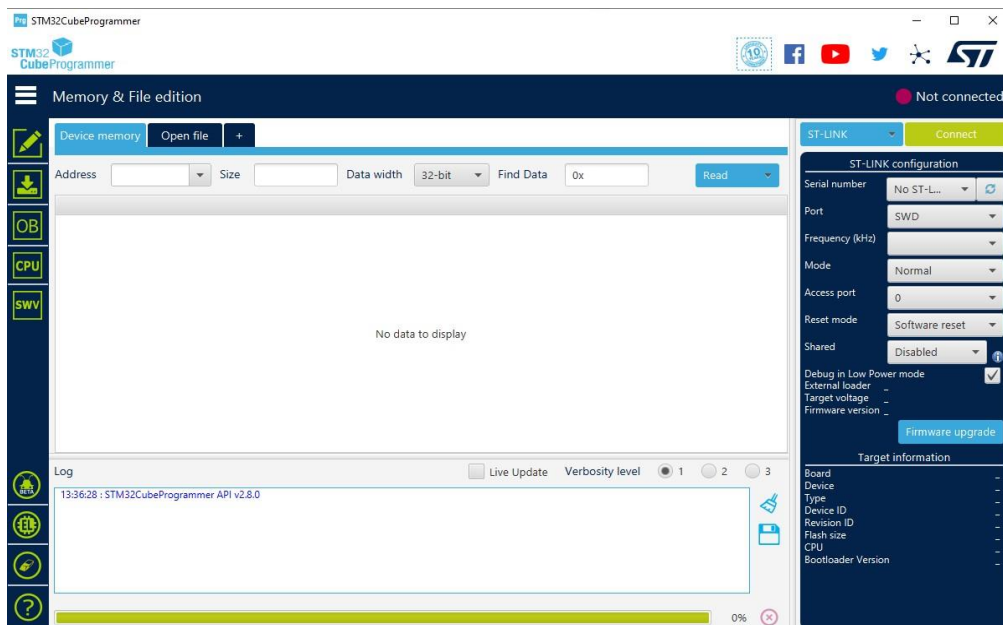
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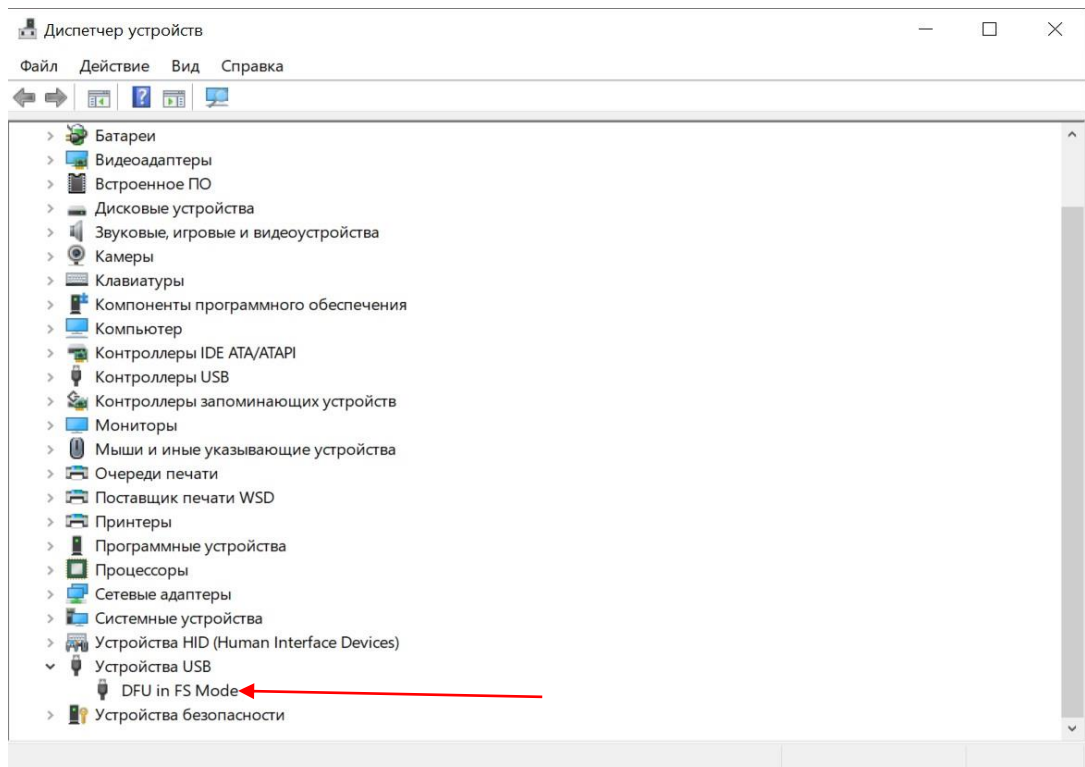
Приложение будет скачано на ваш компьютер. **(Приложение можно запросить у компании-поставщика!)**

3. Установите скачанное приложение и запустите его

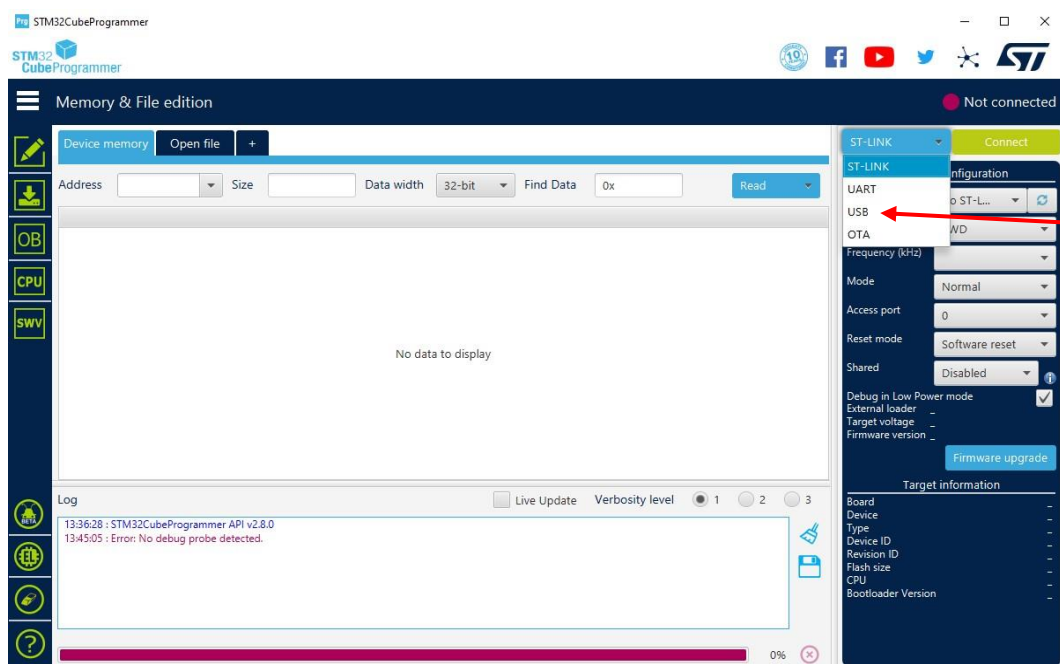


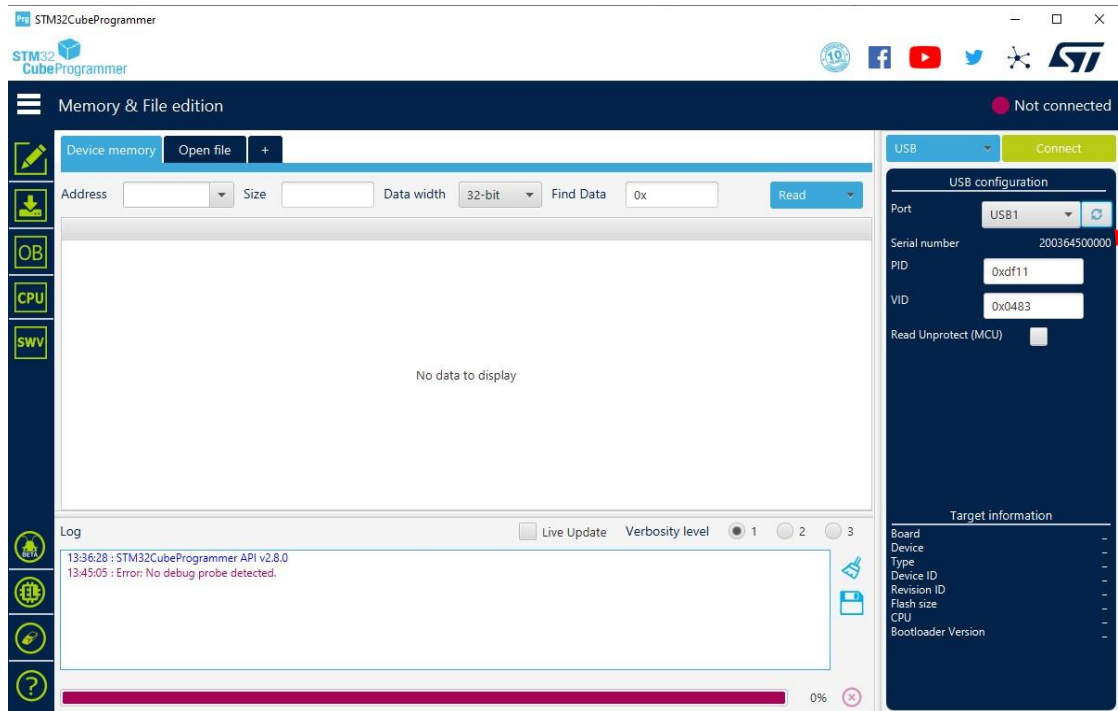
4. Подключите БППУ **специализированным USB кабелем**, поставляемым компанией-изготовителем.

5. Проверьте, что драйвер устройства установлен правильно, для этого откройте «Диспетчер устройств».



6. В приложении «STM32CubeProgrammer» нажмите кнопку «ST-LINK» в верхнем правом углу и в выпавшем списке выберите «USB»

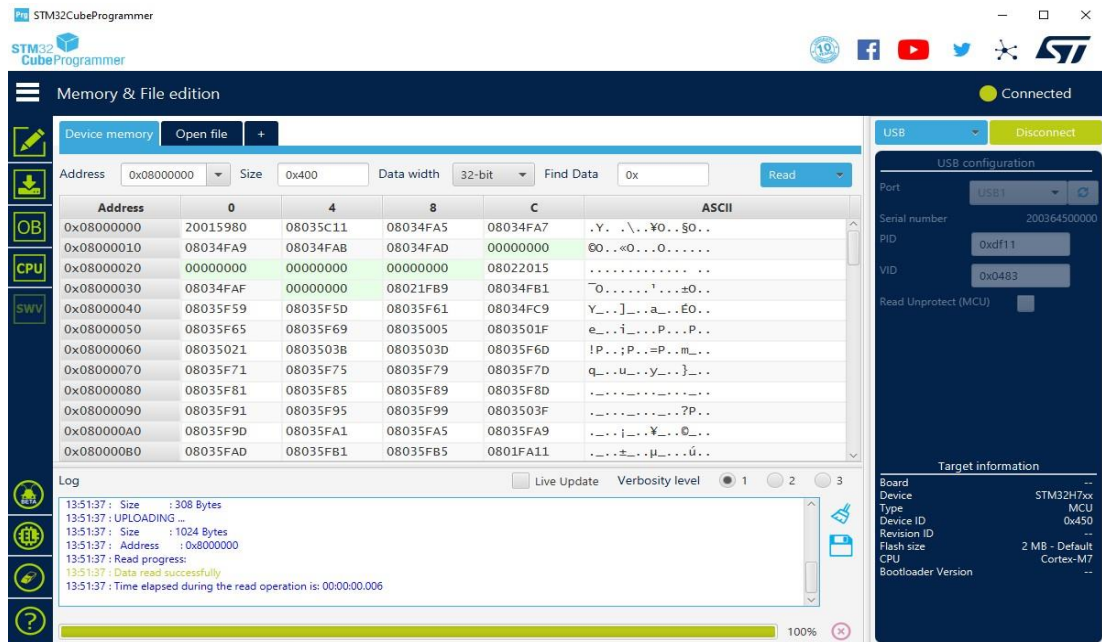




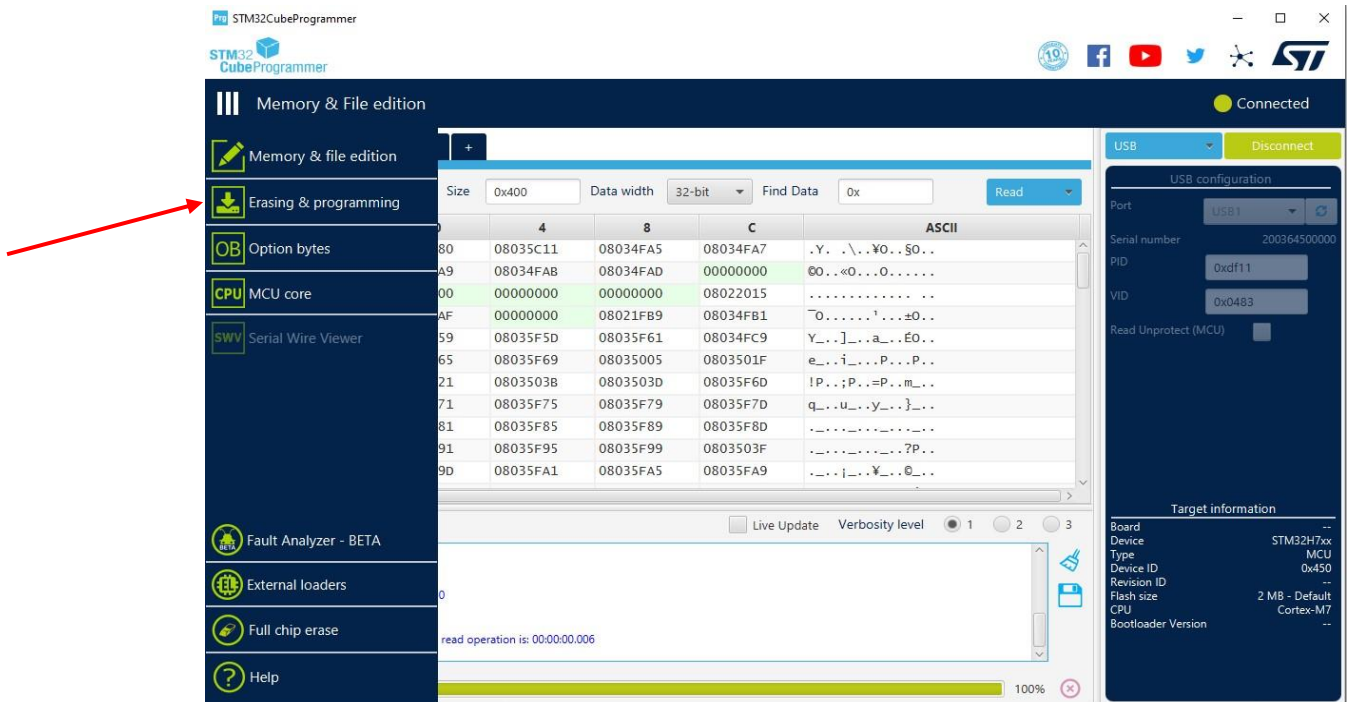
Должен обнаружить устройство, если нет – нажмите **обновить**.

Нажмите **«Connect»**.

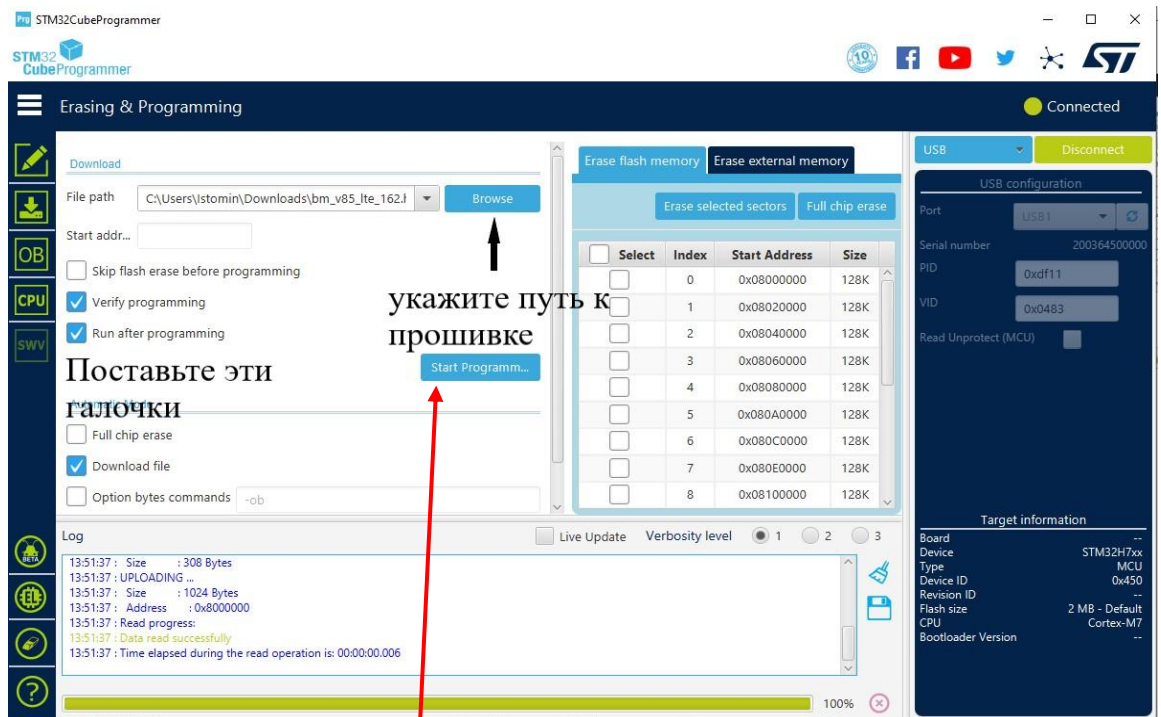
Увидите следующую информацию:



7. Перейдите во вкладку Erasing&programming

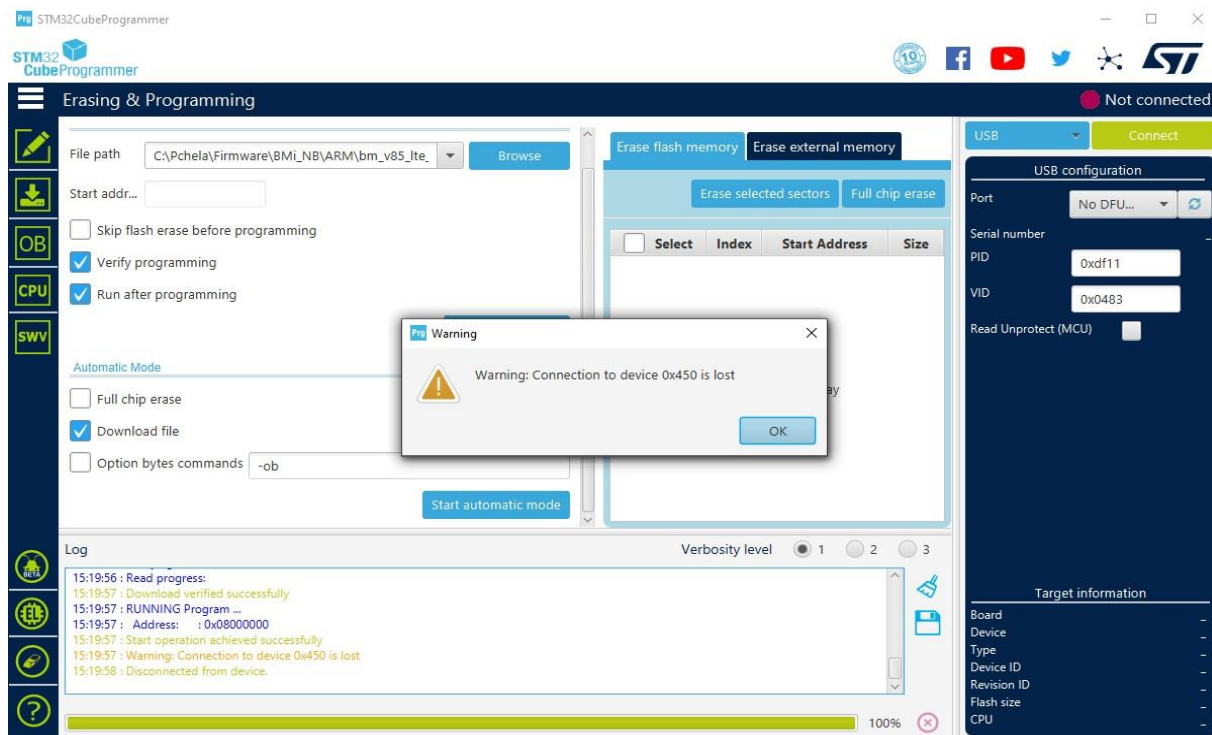


8. Укажите путь к файлу прошивки, поставьте галочки, как указано на рисунке.



9. Нажмите «Start Programm...»

10. В конце процедуры программирования вы должны увидеть следующее сообщение:



Значит процедура программирования прошла успешно!