

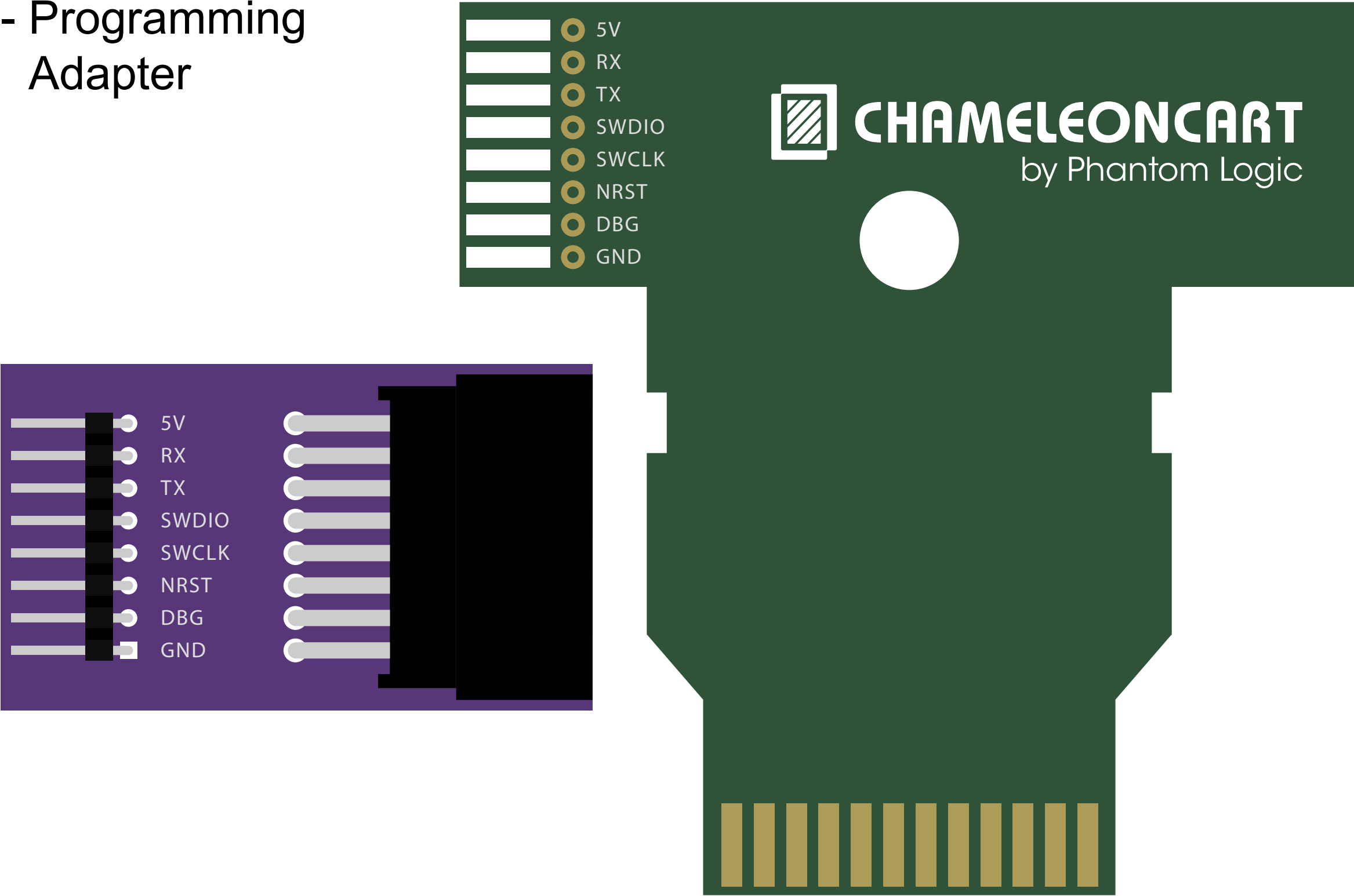
PXE

DEVELOPMENT KIT

DEV KIT & ACCESSORIES

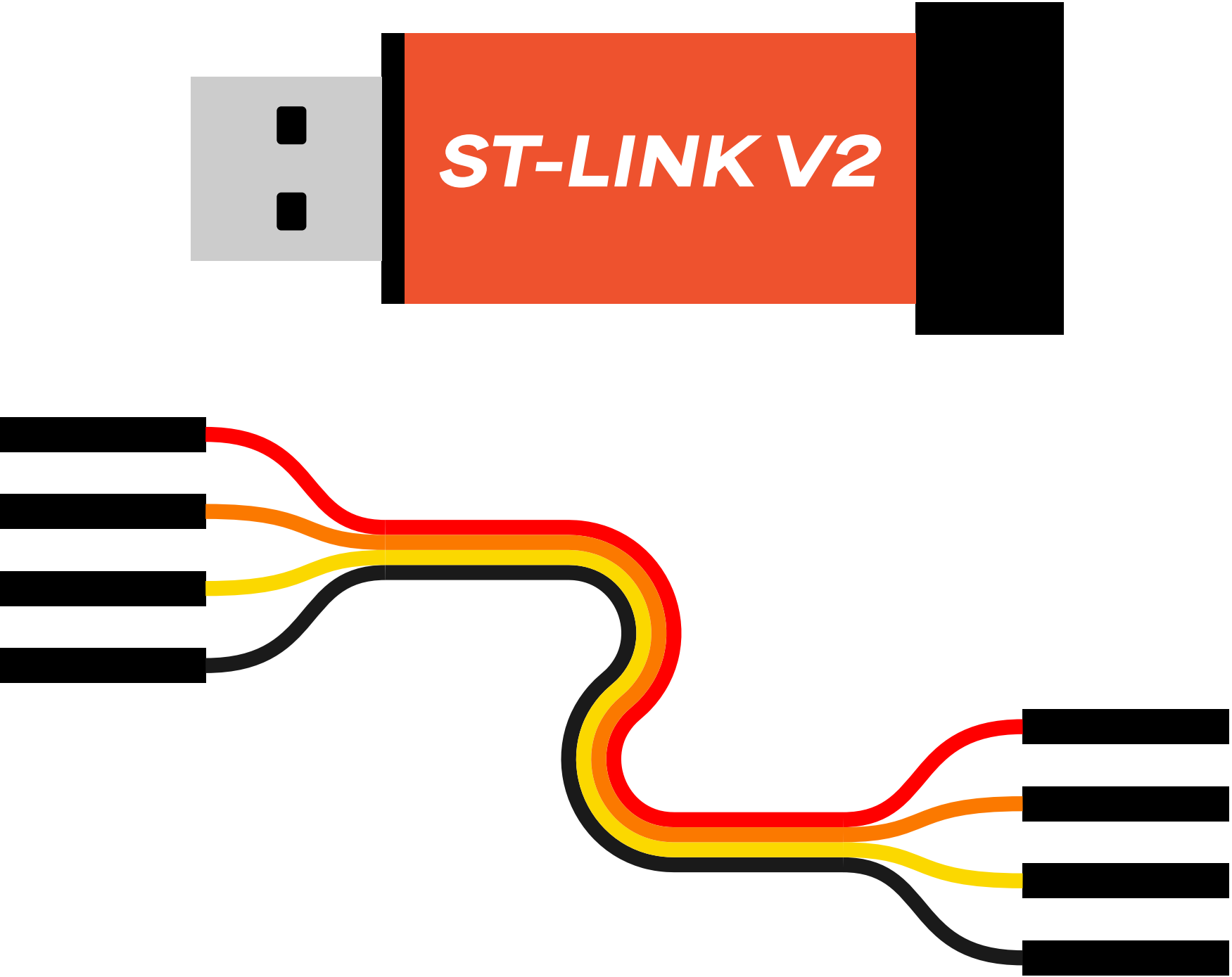
INCLUDED

- Chameleon Cart
- Programming Adapter



REQUIRED

- ST-LINK V2
- Female to Female jumper wires

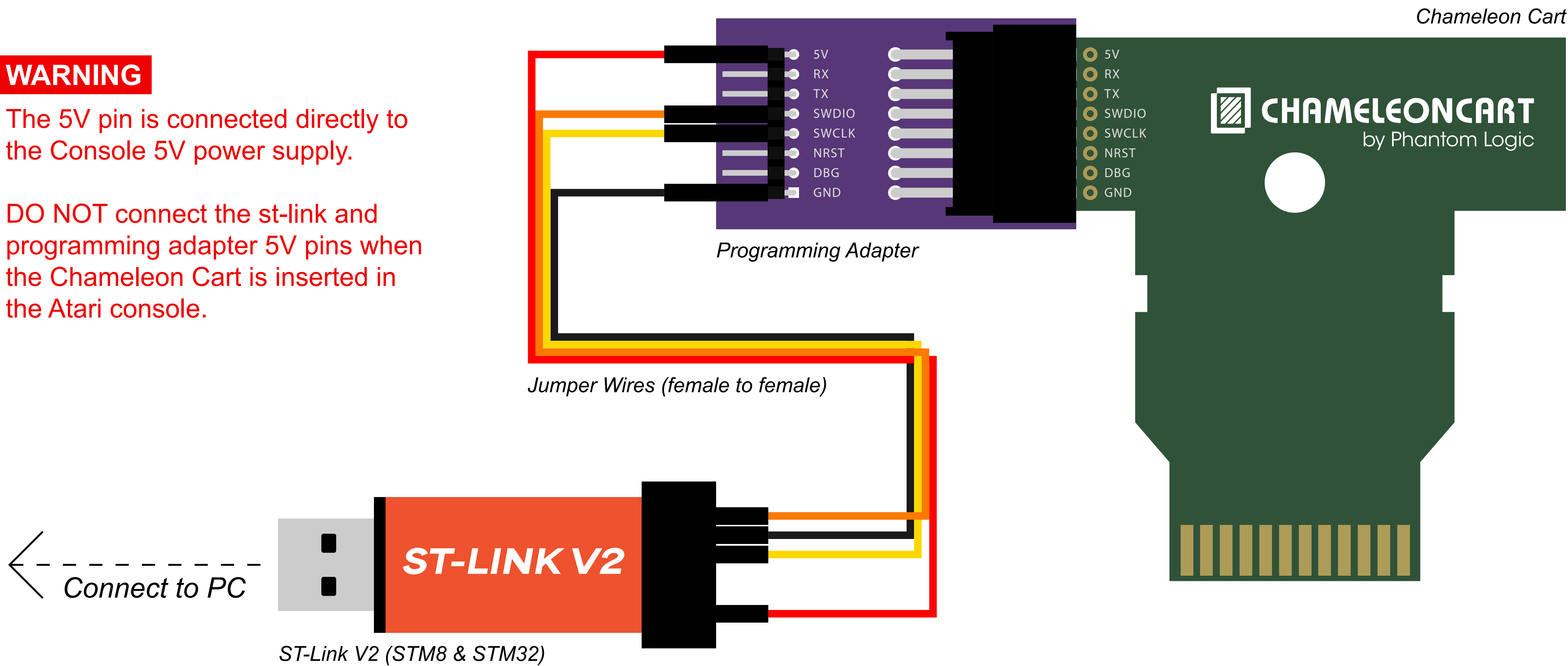


5V POWERED SETUP

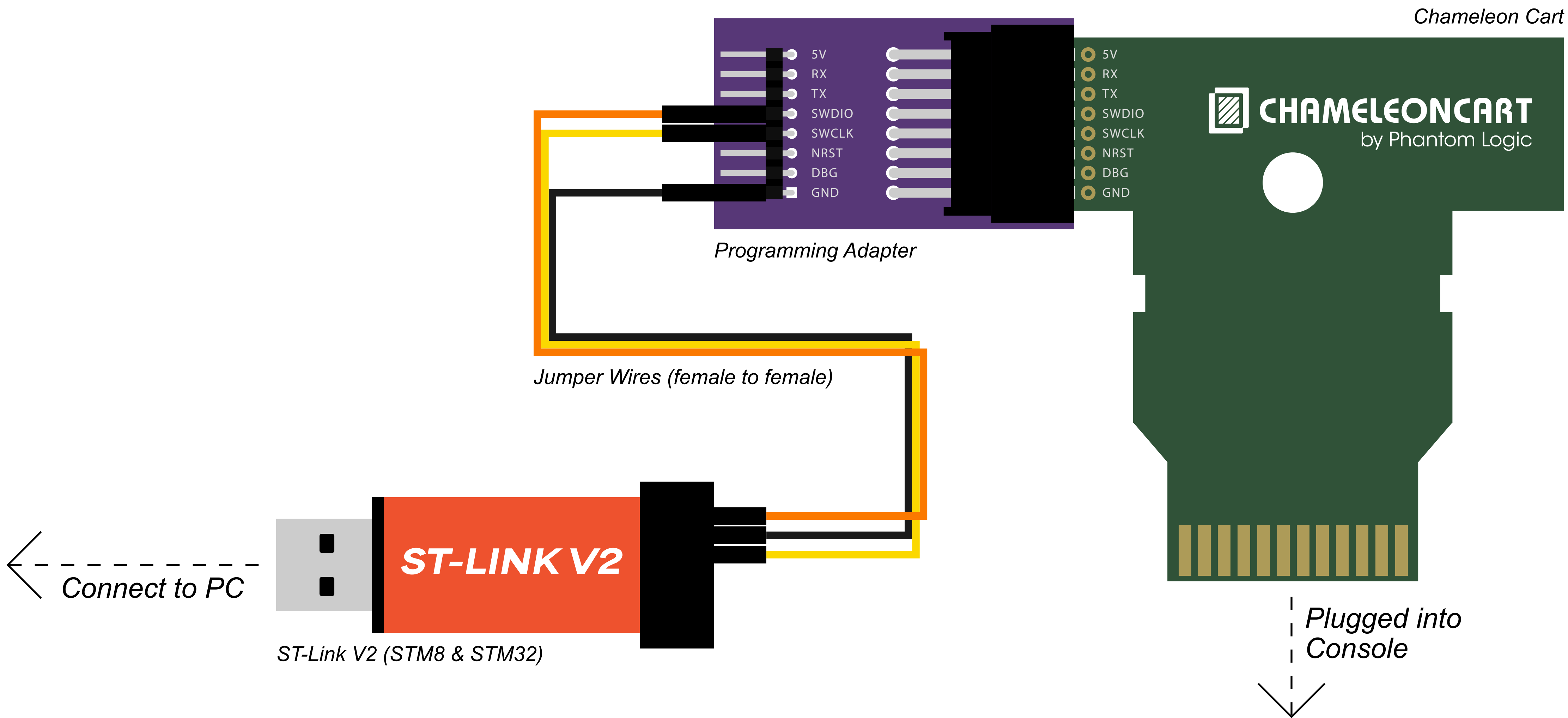
WARNING

The 5V pin is connected directly to the Console 5V power supply.

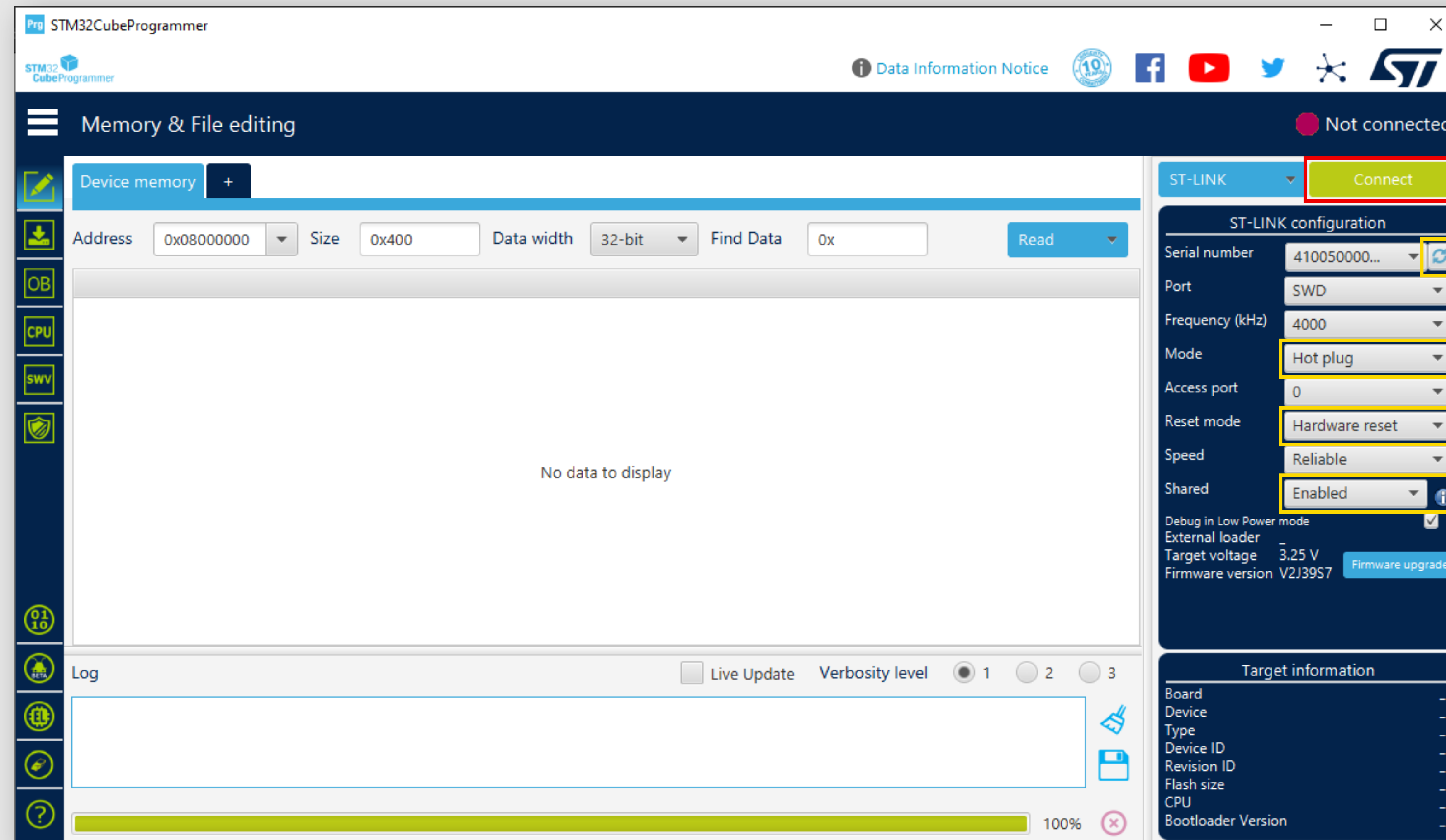
DO NOT connect the st-link and programming adapter 5V pins when the Chameleon Cart is inserted in the Atari console.



CONSOLE POWERED SETUP



PROGRAMMING - Configuration



Set up your ST-LINK configuration to match these settings, clicking the Serial number refresh button last.

Then click the green Connect button

PROGRAMMING - Connecting to ST-LINK

STM32CubeProgrammer

STM32CubeProgrammer

Data Information Notice

Memory & File editing

Connected

Device memory

Address

0x08000000

Size

0x400

Data width

32-bit

Find Data

0x

Read

Address	0	4	8	C	ASCII
0x08000000	20009000	080016D1	080015F5	080015F9	... Ñ...õ...ù...
0x08000010	00000000	00000000	00000000	00000000	
0x08000020	00000000	00000000	00000000	080015FD	ý...
0x08000030	00000000	00000000	08001601	08001605	
0x08000040	08001741	00000000	08001741	08001741	A.....A...A...
0x08000050	08001741	08001741	08001741	08001741	A...A...A...A...
0x08000060	00000000	08001741	08001741	08001741	...A...A...A...
0x08000070	08001741	08001741	08001741	00000000	A...A...A.....
0x08000080	08001741	08001741	08001741	08001741	A...A...A...A...
0x08000090	08001741	08001741	08001741	08001741	A...A...A...A...
0x080000A0	08001741	08001741	08001741	08001741	A...A...A...A...

Log

Live Update

Verbosity level

1

2

3

12:08:52 : Address : 0x08000000

12:08:52 : Read progress:

12:08:52 : Data read successfully

12:08:52 : Time elapsed during the read operation is: 00:00:00.012

100%

ST-LINK

Disconnect

ST-LINK configuration

Serial number

410050000...

Port

SWD

Frequency (kHz)

4000

Mode

Hot plug

Access port

0

Reset mode

Hardware reset

Speed

Reliable

Shared

Enabled

Debug in Low Power mode

External loader

Target voltage 3.25 V

Firmware version V2J39S7

Firmware upgrade

Target information

Board

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Device

STM32G07x/STM32G08x

Type

MCU

Device ID

0x460

Revision ID

Rev Y

Flash size

128 KB

CPU

Cortex-M0+

Bootloader Version

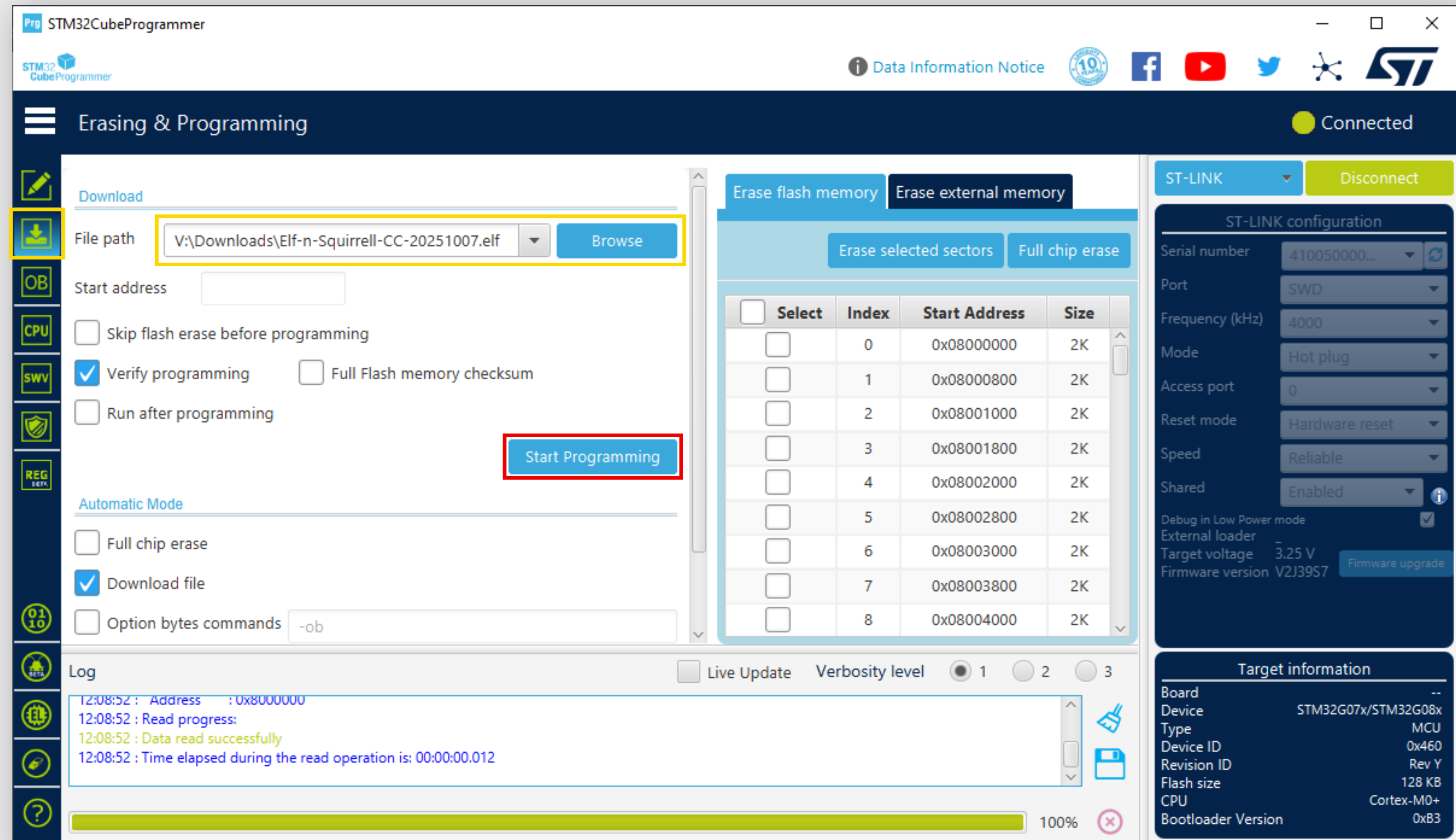
0xB3

Indicates that you've successfully connected to your ST-LINK

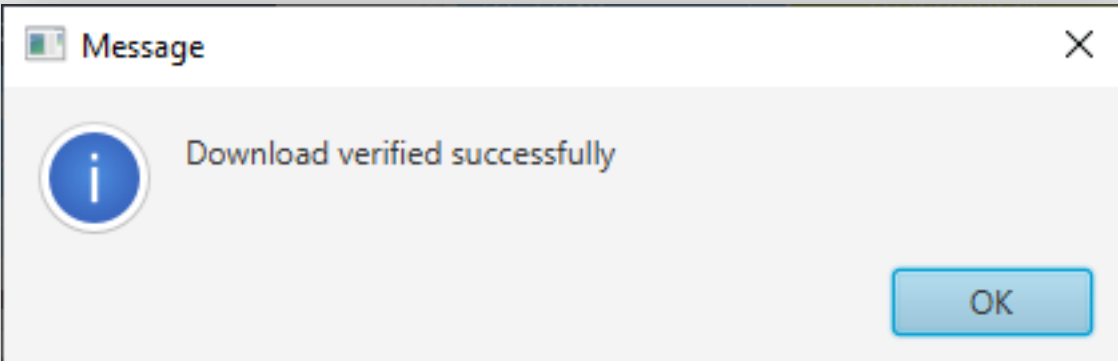
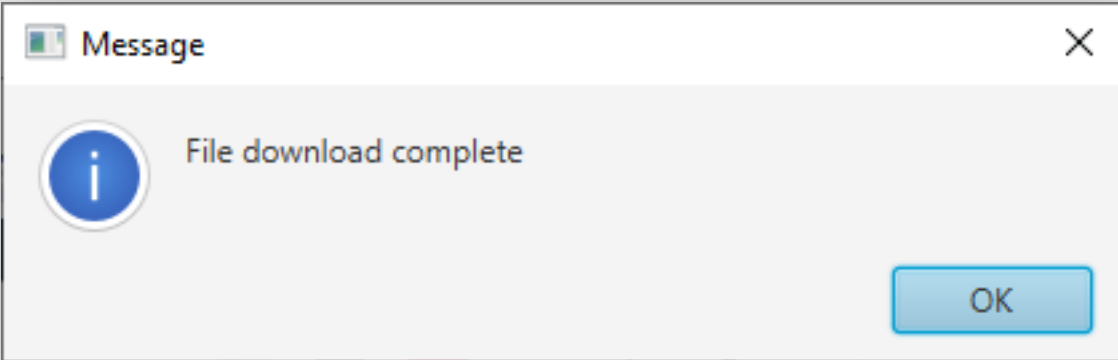
PROGRAMMING - Programming Cart

Switch to Erasing & Programming tab and use the Browse button to select the .elf file you want to flash to your cart.

Then press the Start Programming button.

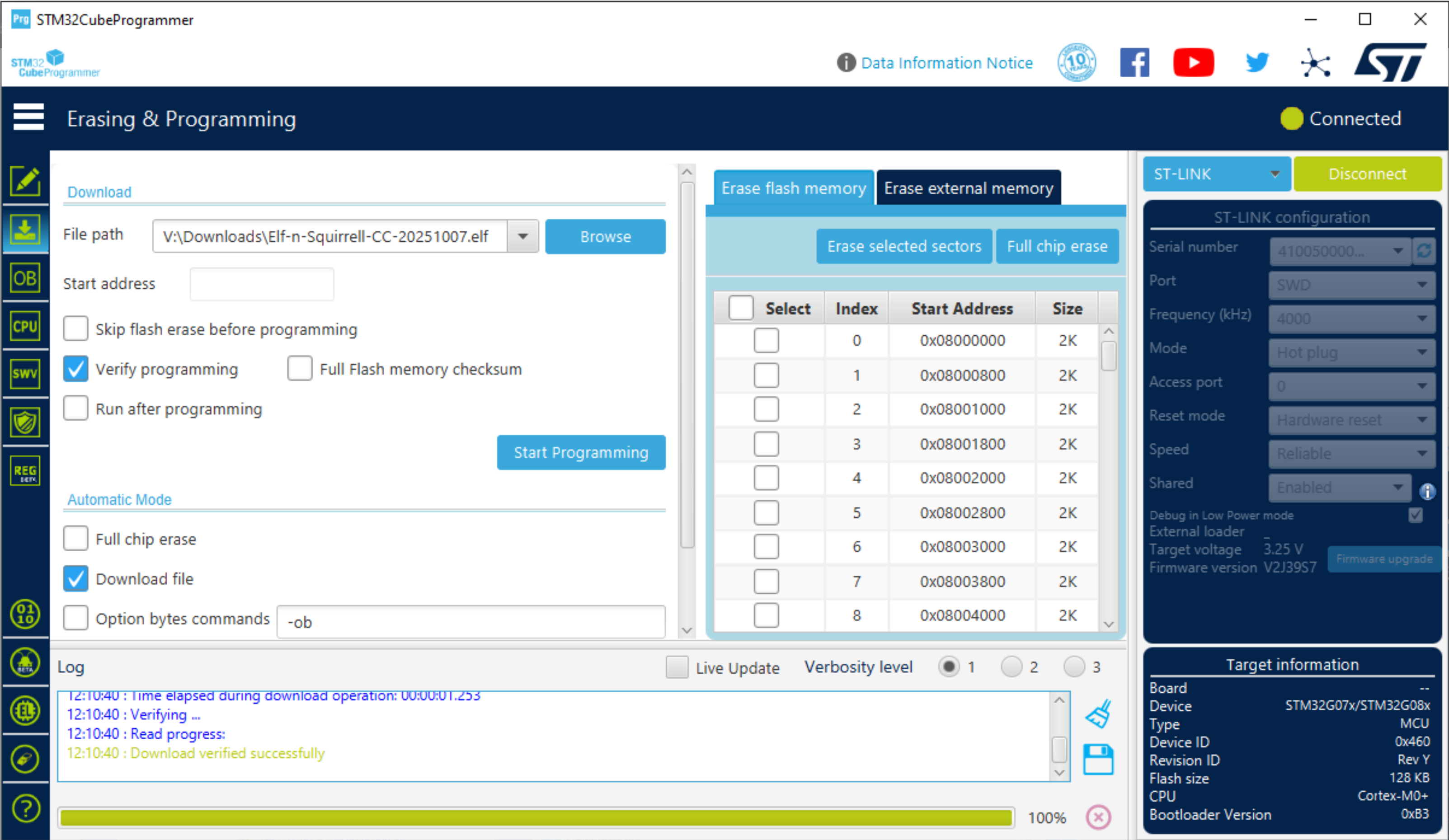


PROGRAMMING - Confirmation



If the cart was successfully flashed, you'll receive these confirmation messages.

Now you're ready to reset your console to test your game!



SUPPORT & MORE



OFFICIAL THREAD

<https://forums.atariage.com/topic/381582-pxe-pronounced-pixie-new-elf-based-bb-kernel/>

TEMPLATES, TUTORIALS, and DOCUMENTATION

<https://forums.atariage.com/topic/385318-pxe-kernel-templates-tutorials-and-documentation/>



BULK CHAMELEON CART BOARDS AVAILABLE

<https://phantomlogicstudios.com/>