



esa**dinghy**

Firmware Update - Manual
V1.1 – July 2020

Welcome in Esa Dinghy – Firmware Update Manual



Esa Dinghy – Smart Transponder

WARNING - ATTENZIONE: Release notes



This copy of the manual was released on July 2020, in correspondence with the Esa Dinghy 2.30 App version.

Any subsequent modification and / or updating of the could lead to slight changes in the graphics and functionality of the product.

Astra Yacht declines any responsibility for the incorrect use of the device following the use of the manual in its incorrect version.

For any doubts or questions, contact info@astrayacht.com

1. Scope of this document

Esa Dinghy is a product that is constantly evolving and continuously improving. Over time, new software updates will be released to improve product performance.

This document describes the requirements and how to execute the software update.

2. Requirements

Below the requirements to execute a software update on Esa Dinghy:

- Esa Dinghy You have to update, with battery medium or fully charged;
- PC with operating system Windows 7 or newer and one USB slot available;
- USB cable 'microUSB to USB' for connecting Dinghy (microUSB) to PC (USB);







- “DINGHY PROGRAMMER TESTER” program, installed on the windows PC.
- Most recent Firmware for updating ESA Dinghy.

The update operation is simply and can be carried out in less then 10 minutes.

3. Software Update Procedure

1. Get the program files for installation of 'DINGHY PROGRAMMER TESTER' and the most recent Firmware for ESA Dinghy:
send an e-mail request to info@astrayacht.com to obtain the link for download the files.
2. Unzip the 'DINGHY PROGRAMMER TESTER' compressed folder.
3. In the unzipped folder You will find 4 files, like picture below.

 Application Files	28/05/2019 12:32	Cartella di file	
 ConfiguratorApp.application	19/01/2019 15:57	Application Manif...	6 KB
 publish.html	19/01/2019 15:57	Chrome HTML Do...	10 KB
 setup.exe	19/01/2019 15:57	Applicazione	765 KB

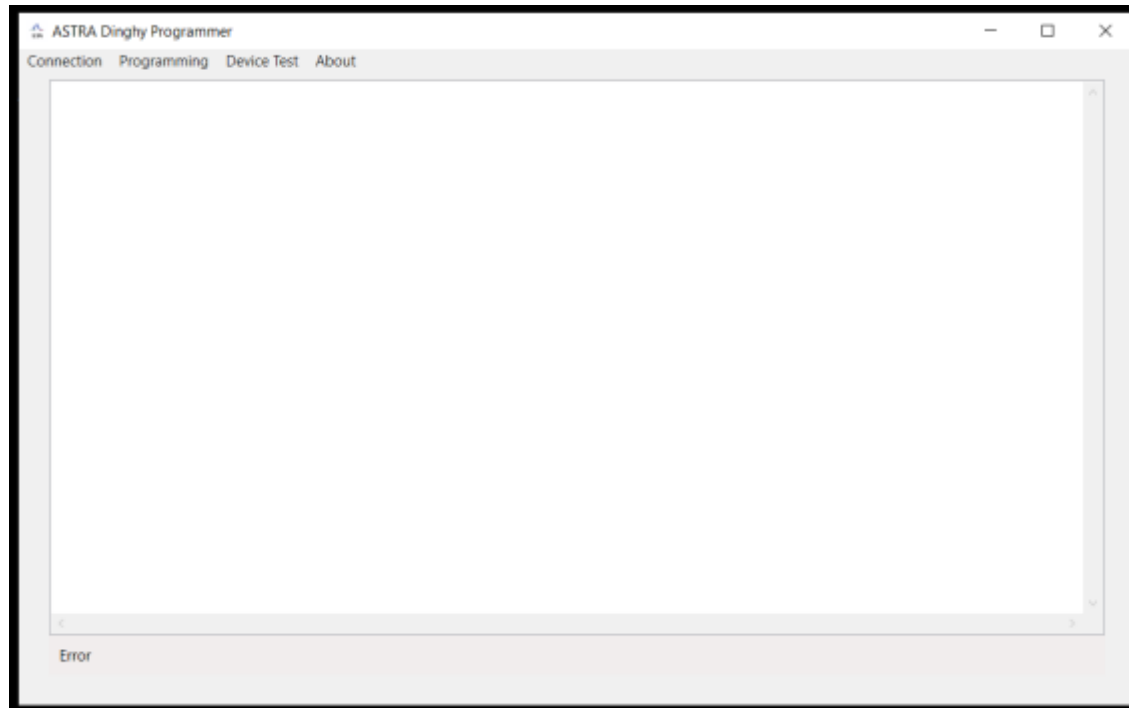
Double click on 'setup.exe' file to install DINGHY PROGRAMMER TESTER on your Windows PC.

3. Software Update Procedure

4. Once the program will be installed, double click on DINGHY PROGRAMMER TESTER icon; usually You can find it on Your desktop



DINGHY PROGRAMMER TESTER appear like picture below



3. Software Update Procedure

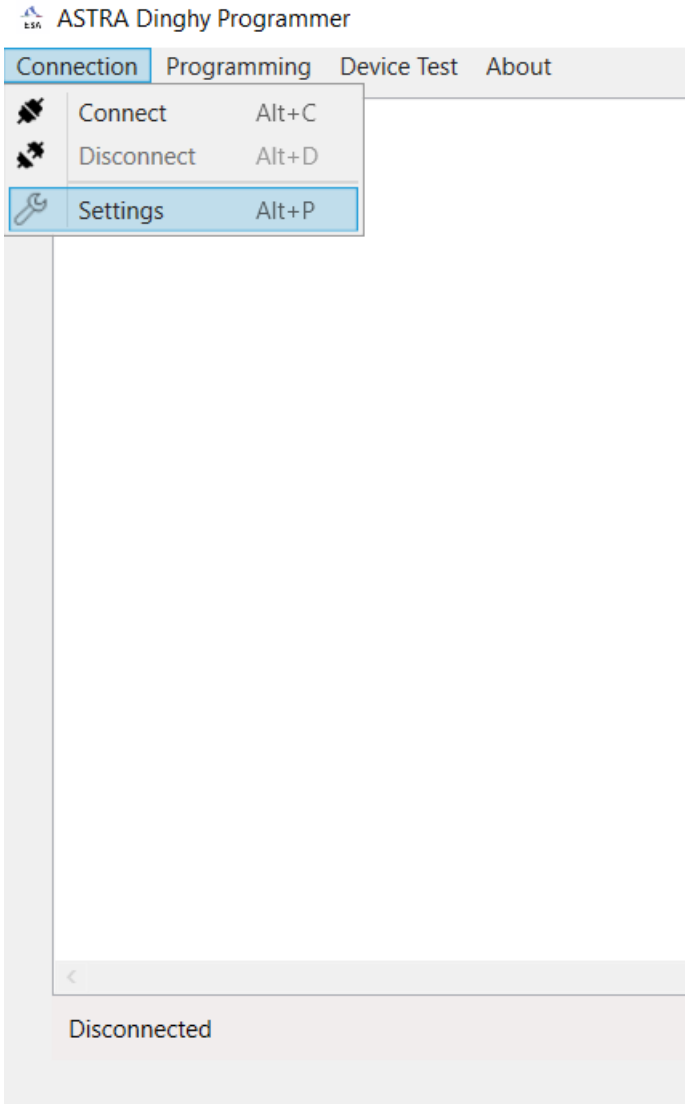
5. Connect Esa Dinghy via USB cable to Your PC



Led near USB connector turn on in yellow color, this mean that Esa Dinghy is in charging mode. If led turn on in green state, this mean the battery is already 100% recharged, this is not a problem for update the software.
If error messages appears on DINGHY PROGRAMMER TESTER, usually there is not a problem, simply close all the error windows appeared.

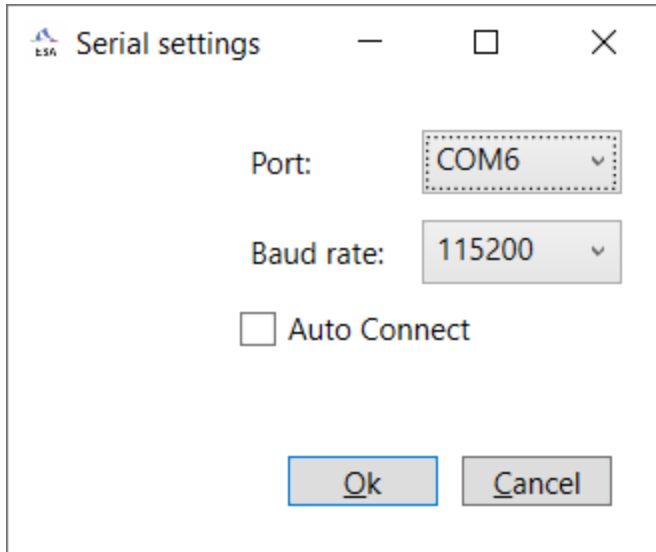
3. Software Update Procedure

6. In Dinghy Program Tester click on '*Connection*' drop down menu, on the top left; then click '*Settings*'.



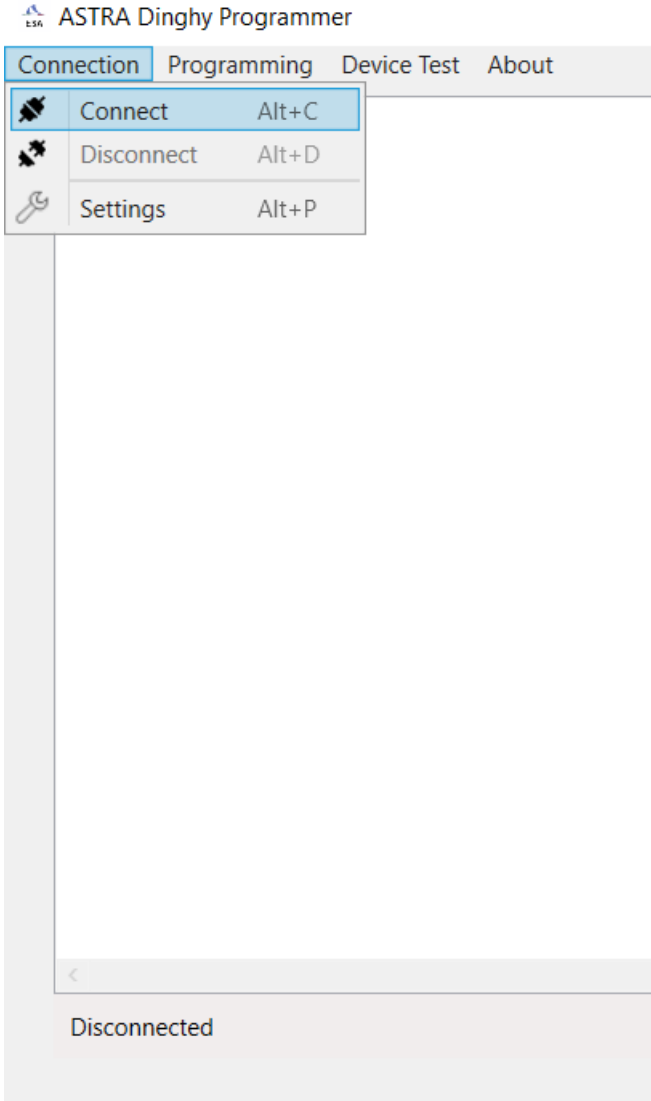
3. Software Update Procedure

7. In the window appeared, select the Port (usually the program indicates the correct COM port automatically in the drop down menu).
Set to 115200 the Baud rate;
then click Ok button.



3. Software Update Procedure

8. Click on '*Connection*' menu on the top left, then click '*Connect*'.

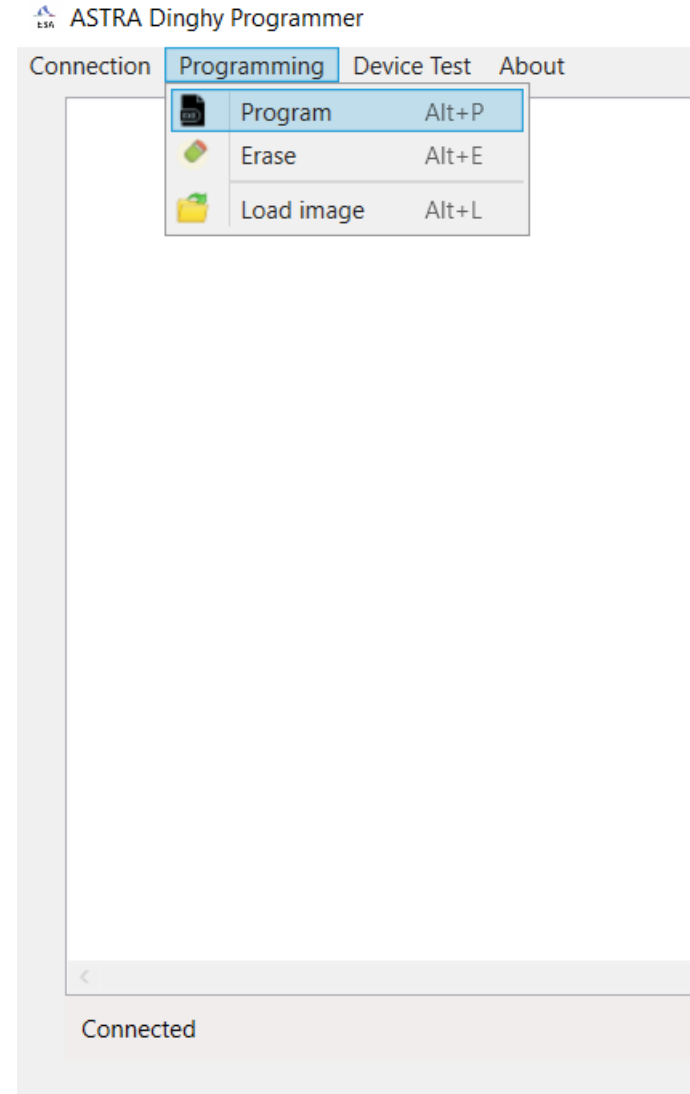


3. Software Update Procedure

9. Click on '*Programming*' drop down menu, and then '*Program*'

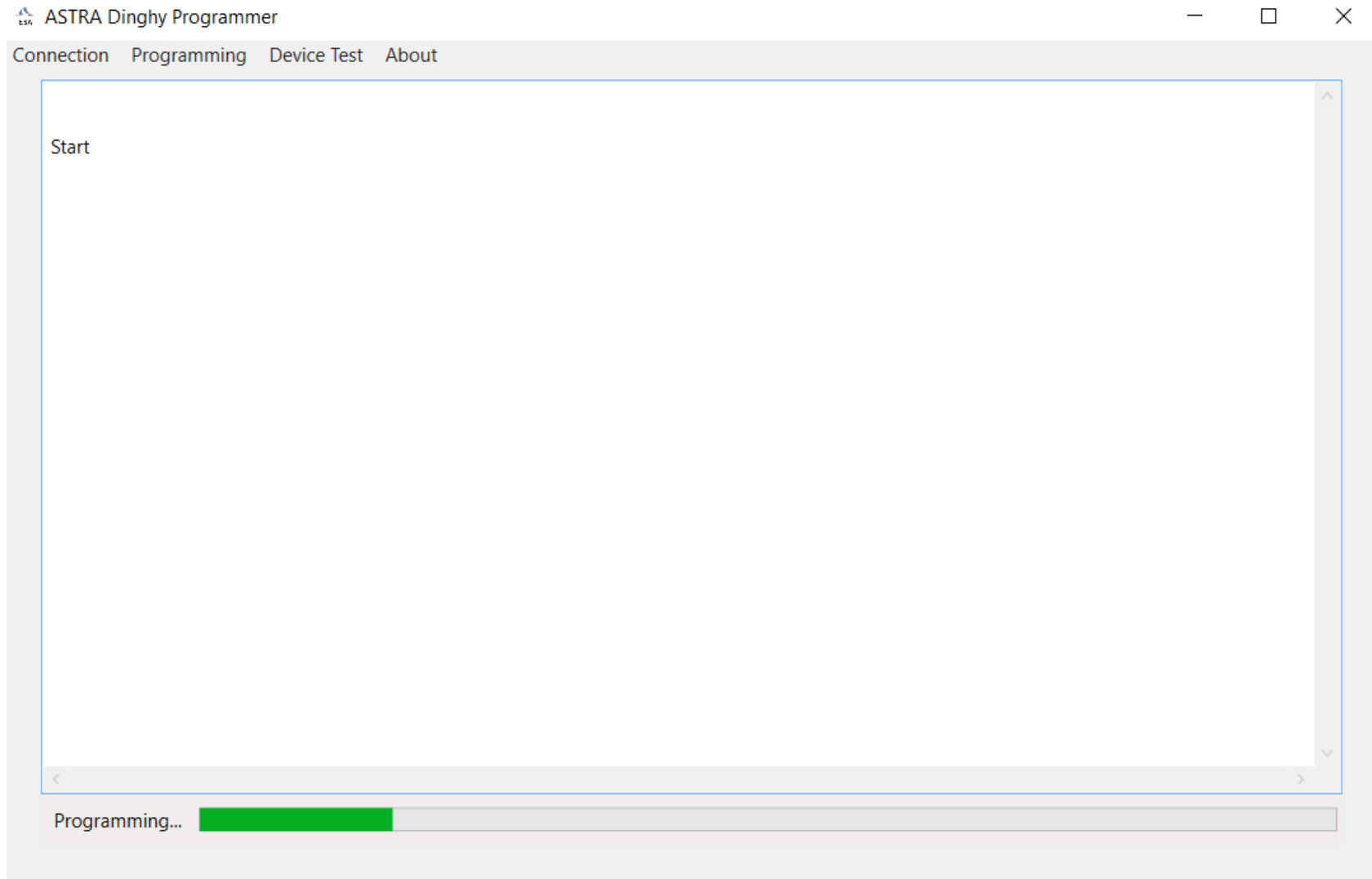
Choose the firmware You want to write in Esa Dinghy memory and click 'open' ('Apri').

Firmware will be given to You by e-mail: file name will be similar than: *Dinghy_Firmware_Update_6_x.hex*



3. Software Update Procedure

10. The following image will appear on screen: within 10 second turn on Dinghy as depicted in the following slide.



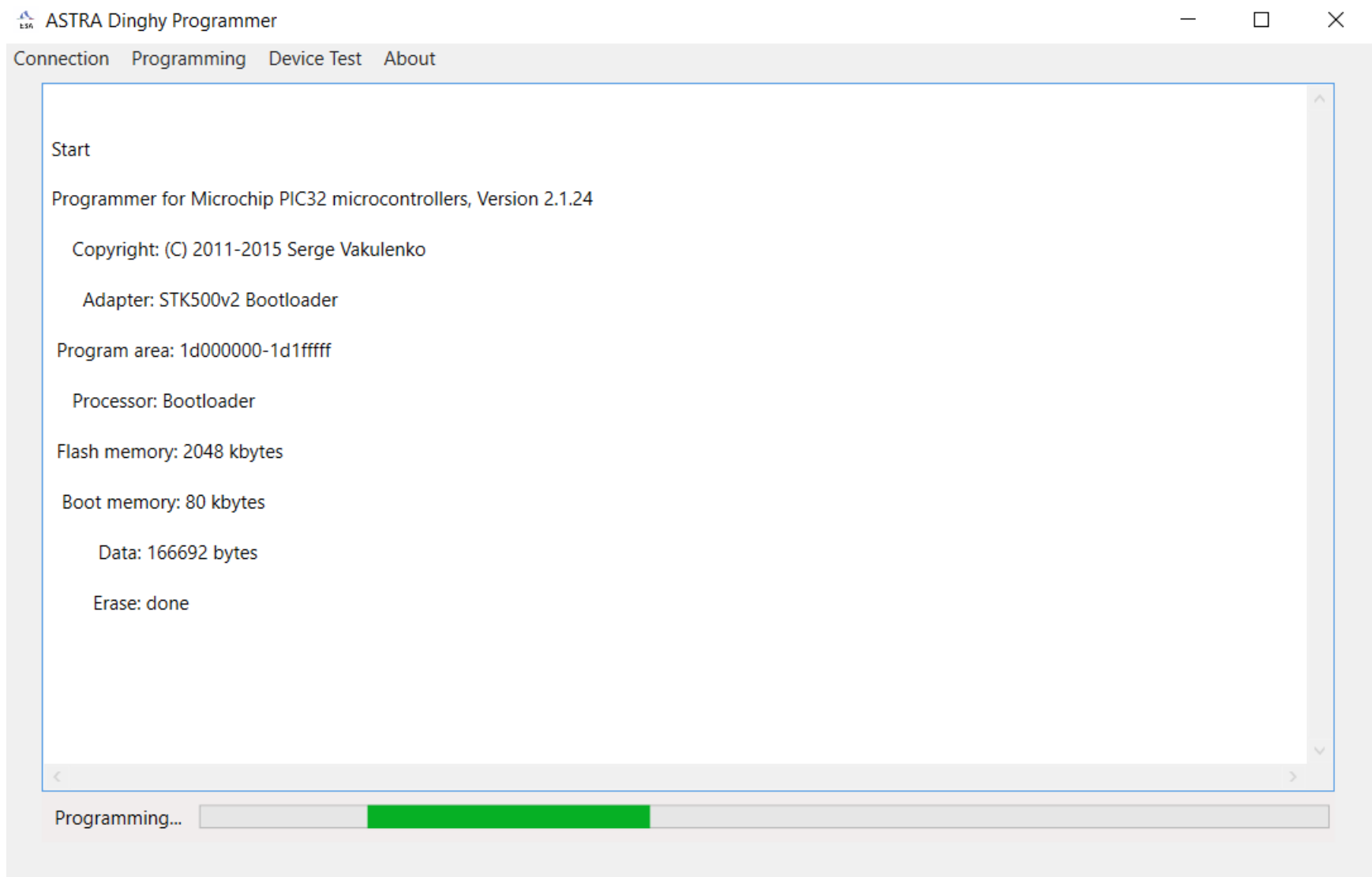
3. Software Update Procedure

11. Click on 'ON' button on Your Esa Dinghy to turn on the device.



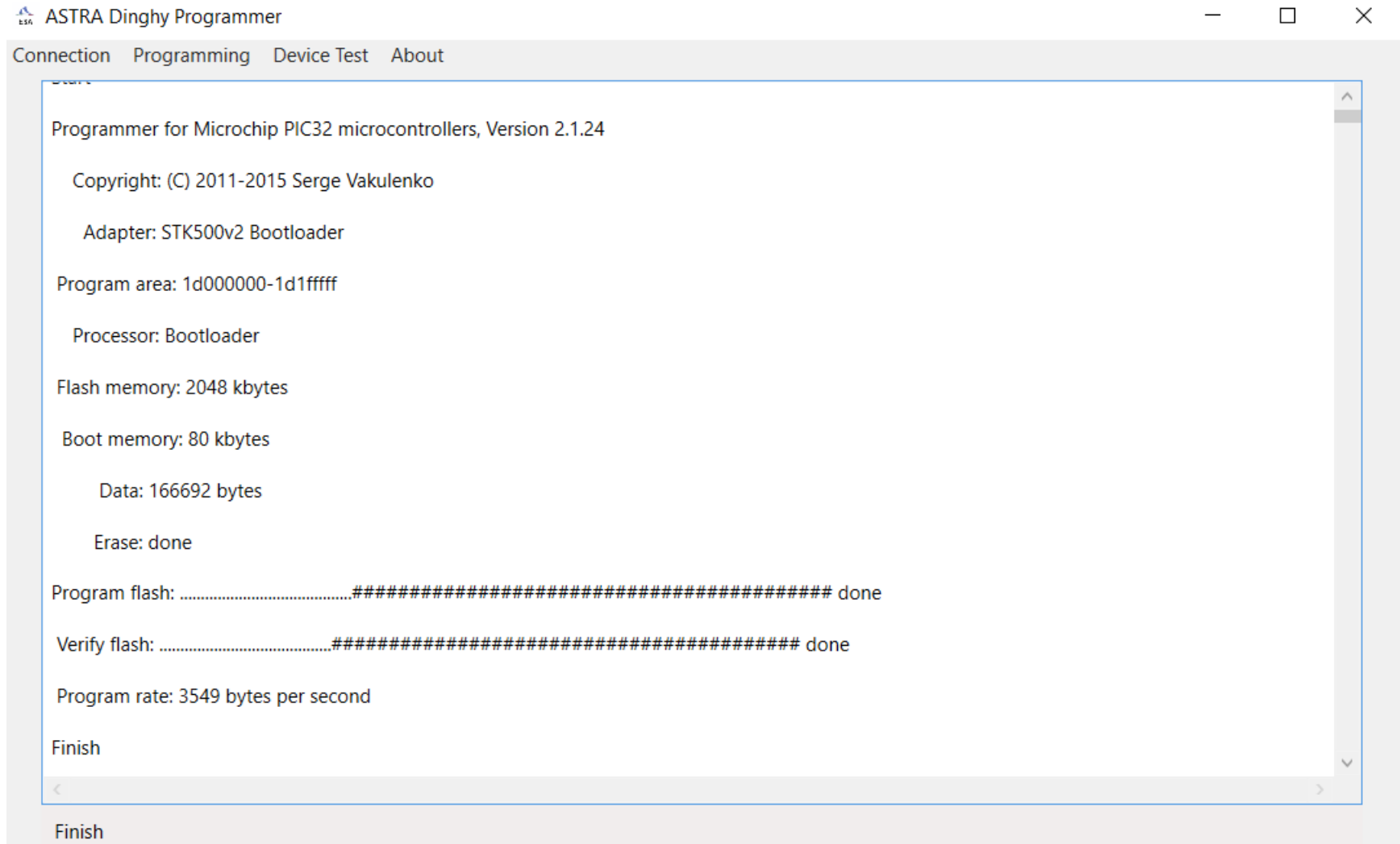
3. Software Update Procedure

12. The following image will appear on screen and the led starts blinking



3. Software Update Procedure

13. After less than 2 minutes, led stops to blink and the following image appears on screen: Esa Dinghy has been updated!



3. Software Update Procedure

15. Wait still 1 minute: Esa Dinghy will normally boot and start. On the screen You will see other information useless for reprogramming operation.
16. Click on '*Connection*' drop down menu on the top left, and then '*Disconnect*'.
17. Press the OFF button of Esa Dinghy (there are 3 buttons on the board: OFF button is the nearest to ON button)
18. Remove the USB cable.
19. Dinghy is now ready to be turned on, with updated firmware.



EASY HIGH
TECHNOLOGY