



Mini USB SFP Programmer

Operation manual

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1. Introduction

The device allows to reprogram memory of the SFP module. Has mini USB interface.



Figure 1 – Appearance of the device

This programmer isn't suitable for reprogramming of memory of SFP+ modules.

2. Description of contacts and working knots of the device

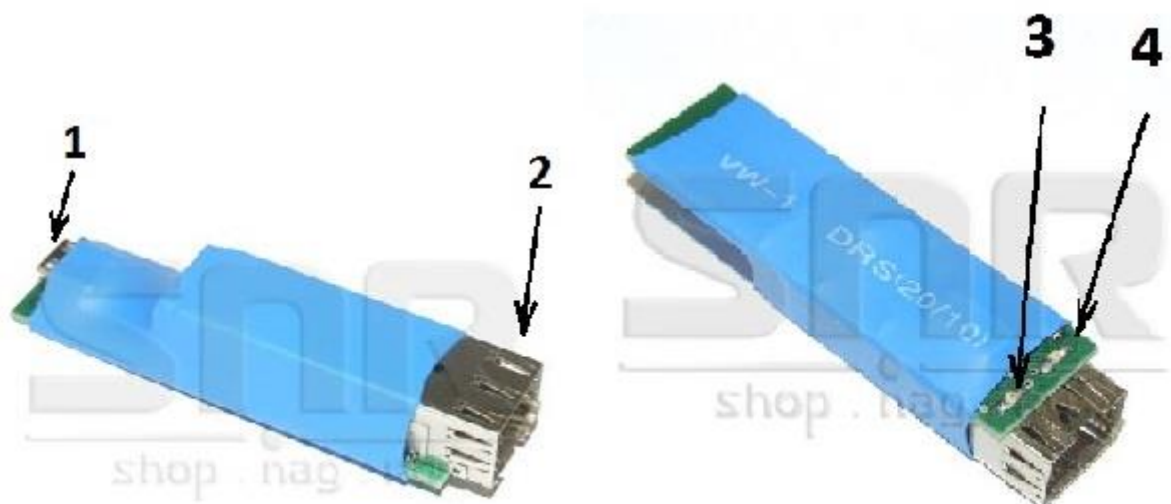


Figure 2 – Description of contacts and working knots of the device

1. The mini USB interface connector for connection of programmer to the computer.
2. The connector for connection of SFP modules.
3. Green power indicator.
4. Red indicator signaling about process of reading/writing data in memory of the SFP module.

3. Software

This programmer should connect to USB computer port by mini USB cable. At the first connection of a programmer the operation system will find the new device. For correct work of programmer it is necessary to install VCP and D2XX drivers which can be loaded by link <http://data.nag.ru/SNR%20Prog/Drivers/> or <http://www.ftdichip.com/FTDrivers.htm>. After installation of drivers in the of devices there will be a virtual COM port. In properties of this port it is necessary to change number to any from 1 to 4.

Reprogramming of memory of the SFP module is carried out by means of the IcProg program which can be loaded by link <http://data.nag.ru/SNR%20Prog/Programs/IcProg.7z> or <http://www.ic-prog.com/>. For this purpose it is necessary to adjust it:

1. In a window of the program to choose chip type 24C02

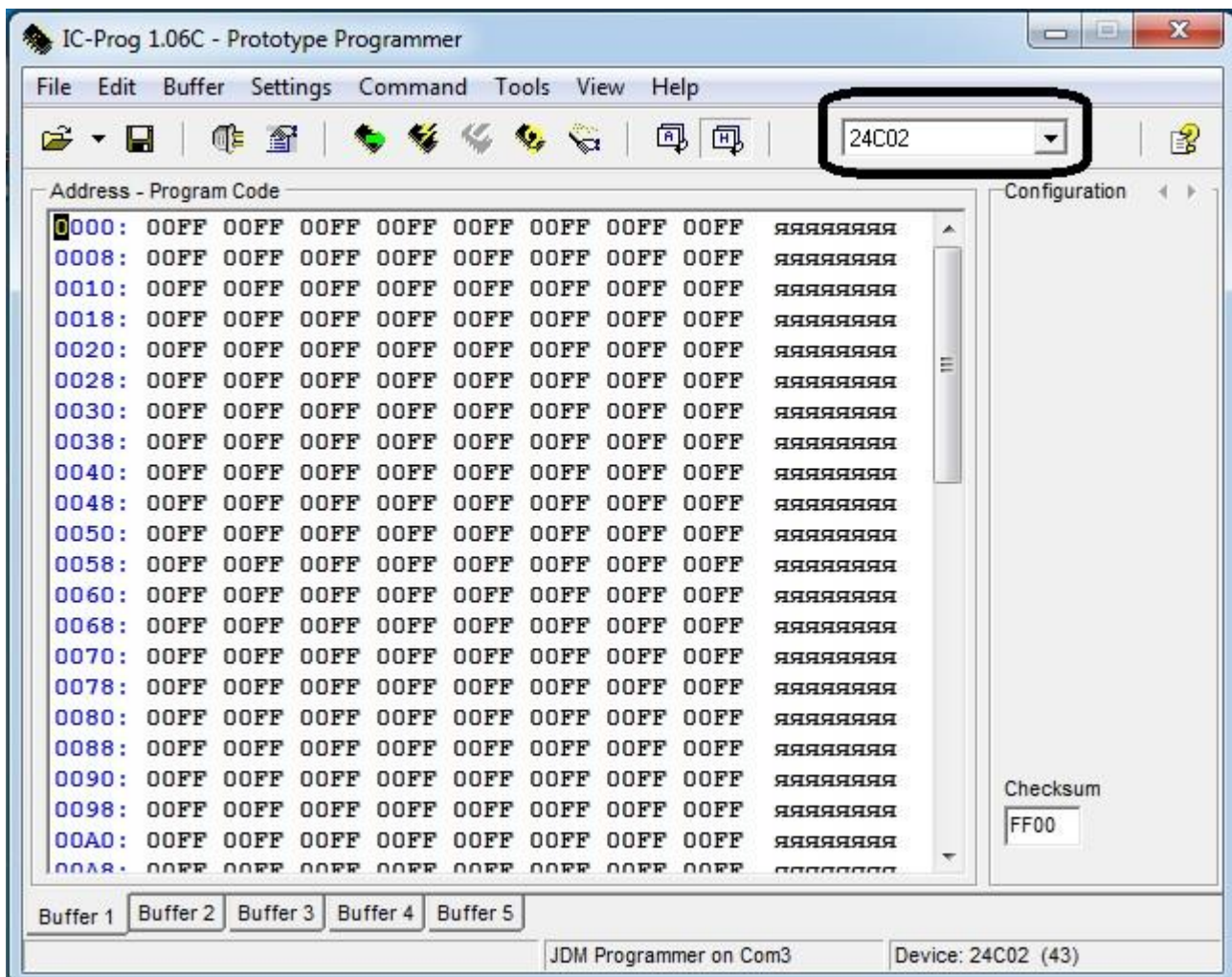


Figure 3 – Program window IcProg

2. In settings of a programmer to choose:
 - Programmer: JDM Programmer
 - Port: number of virtual COM port
 - Interface: Windows API
 - Communication: Invert Data out, Invert Data in, Invert Clock

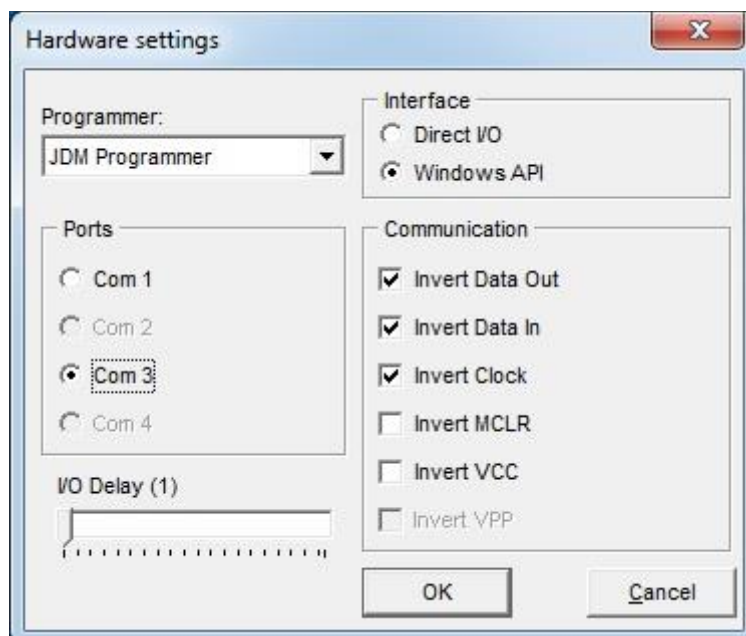


Figure 4 – Programmator settings

Reading and writing data to memory of the module is carried out by the corresponding commands in a program window, thus on a programmer the red indicator signaling about work with memory lights up.