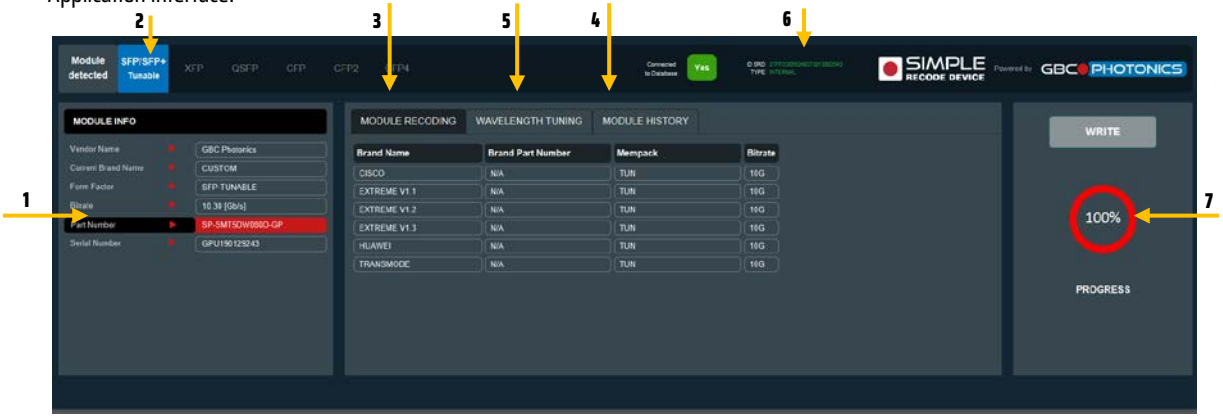
GBC Photonics Simple Recode Device Manual

1. The set includes:
   a. Simple Recode Device,
   b. Power supplier,
   c. USB Cable,
   d. Pendrive with installation file.

2. Device description and system requirements.
   GBC Photonics Simple Recode Device (SRD) is a professional device designed to alter configuration of optical modules SFP/SFP+/SFP28/XFP/QSFP+/QSFP28/QSFP-DD/CFP/CFP2/CFP4 by modifying their memory in accordance with appropriate MSA standards.

   In order to insure correct work of the device, you need a Windows 10 computer with Java software installed and an access to the Internet.
   Java software can be downloaded from:
   https://javadl.oracle.com/webapps/download/AutoDL?BundleId=245479_4d5417147a92418ea8b615e228bb6935
   You can install SRD client's application from: http://gbcphotonics.com/simple-recode-device.html or from a pendrive attached to the set.

3. Description of application usage
   Application interface:



Pic 1. Application Window View

1) Information about the optical module inserted into SRD port, containing: manufacturer's details, configuration, module type, model, serial number.
2) Type of optical module inserted into SRD port (interface type)
3) Available configuration options to recode the module that is inserted
4) History of recoding the inserted module.
5) Functions used to alter channel/wavelength of tunable DWDM modules
6) Information about SRD – serial number, licence type.
7) Progress indicator.

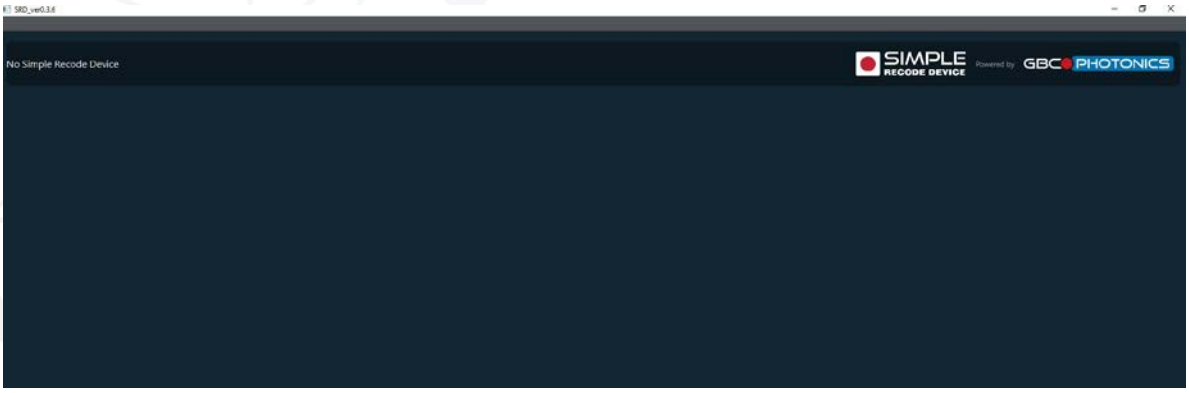
ATTENTION: access to MODULE HISTORY and WAVELENGTH TUNING tabs depends on the type of the licence.

Module configuration alteration manual

I. Connect the device to a computer having an access to the Internet and SRD program installed.

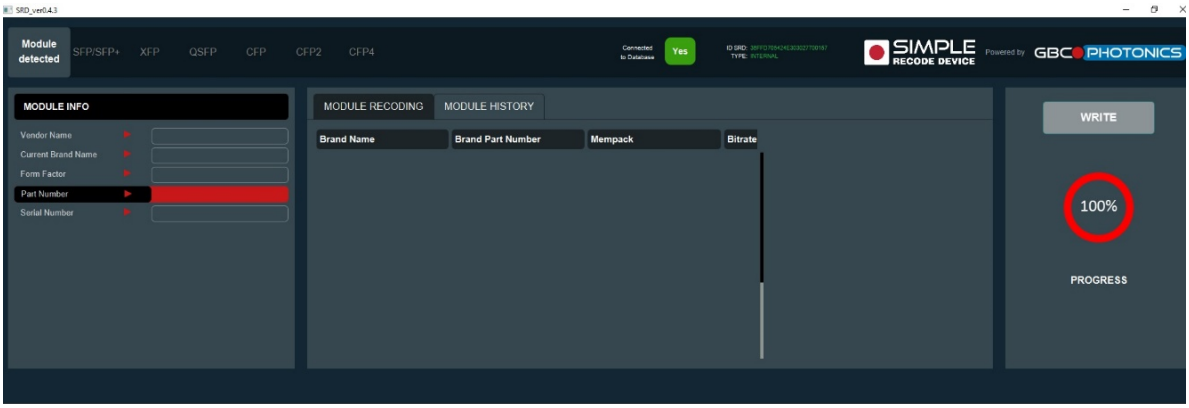
II. Connect the device to the power supplier.

III. Open SRD application:



Pic 2. Application window view when the device is off

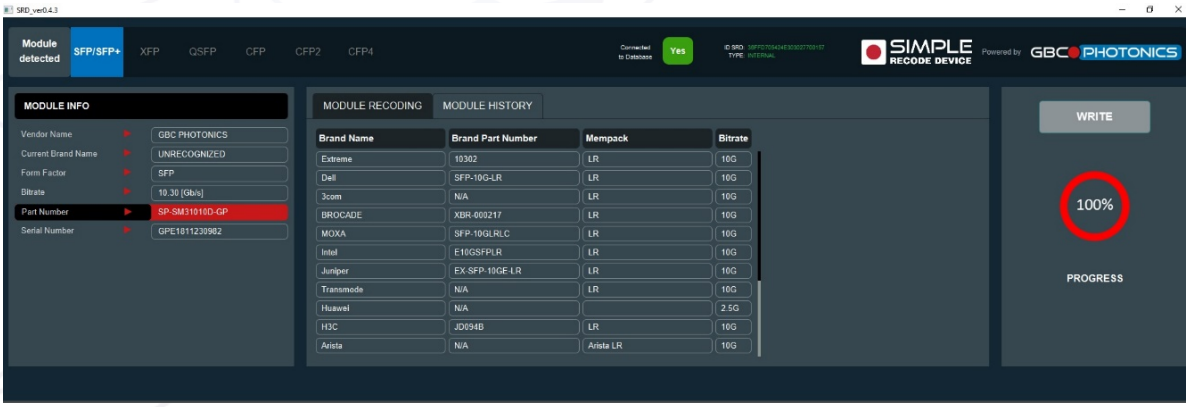
IV. Turn SRD on.



Pic 3. Application window view when the device is on.

V. Insert the module into the appropriate SRD port.

Attention! Do NOT insert more than one optical module simultaneously! Inserting several optical modules into different interfaces simultaneously may damage the device!



Pic. 4. Application window view after the module has been started.

VI. Select an available configuration required and press WRITE. After pressing WRITE progress indicator will start to change.

Attention! Do NOT remove module while it is saving information! It may cause permanent damage to the module!

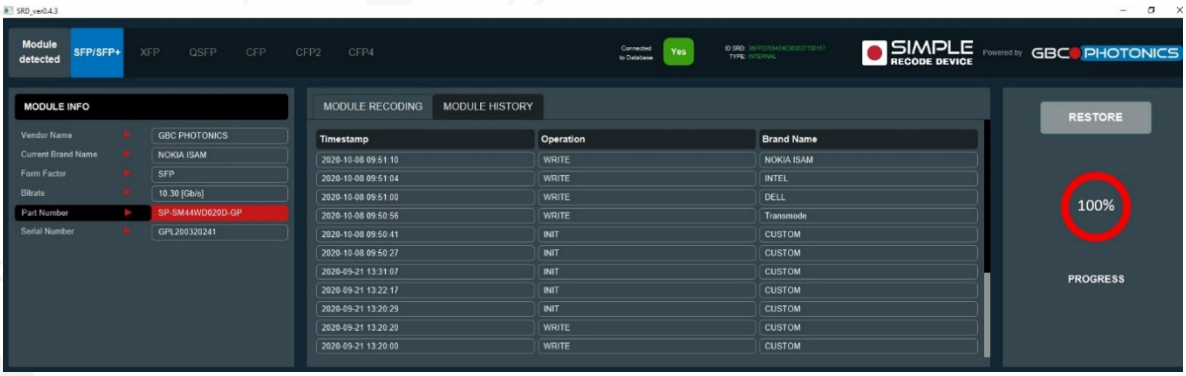
VII. After the progress indicator has shown 100%, check if "Current Brand Name" field has changed correctly with the selected configuration for recoding.

VIII. Remove the optical module from the port.

Downloading configuration from history files

I. Insert the optical module into the appropriate SRD port.

II. Select MODULE HISTORY tab:



Pic. 5. MODULE HISTORY tab view.

III. You will see the history of recoding the optical module that is inserted into SRD port.

IV. Select the required history record and click WRITE.

Attention! Do NOT remove module while it is saving information! It may cause permanent damage to the module!

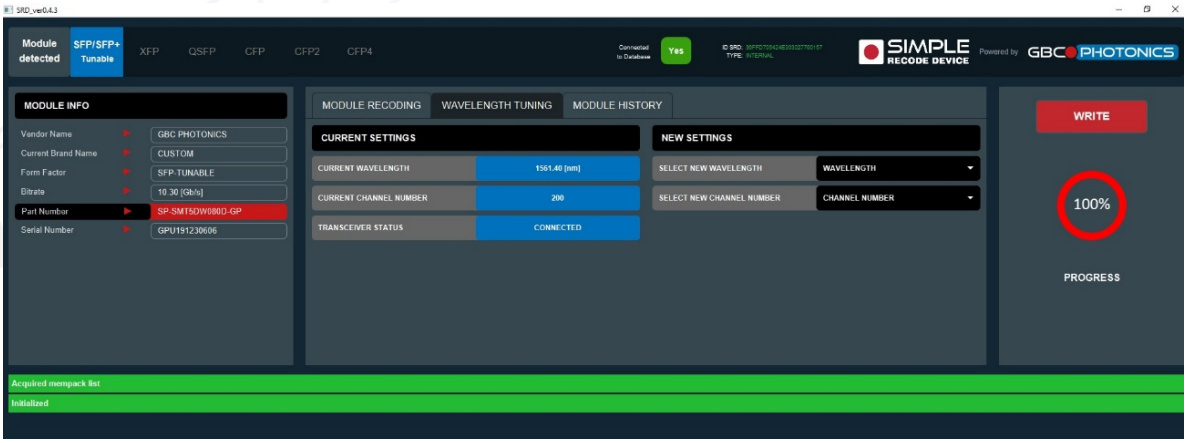
V. After the progress indicator has shown 100%, check if "Current Brand Name" field has changed correctly with the selected configuration for recoding.

VI. Remove the optical module from the port.

Instruction for wavelength/channel alteration in tunable modules

I. Insert a tunable module into the appropriate device port – SRD will detect the possibility for tuning, the application will show an additional WAVELENGTH TUNING tab,.

II. Enter WAVELENGTH TUNING tab:



Pic. 6. WAVELENGTH TUNING tab view.

III. In NEW SETTINGS options select a new setting: SELECT NEW WAVELENGTH or SELECT NEW CHANNEL NUMBER (DWDM channel) and click WRITE.

Attention! Do NOT remove module while it is saving information! It may cause permanent damage to the module!

IV. You can check the new settings that have been saved in CURRENT SETTINGS window.

V. Remove the optical module from the port.

Technical support.

If you lack a required module configuration or in the case when the selected configuration works incorrectly, please contact our support engineers in our Optical Modules Department at dmo.serwis@salumanus.com