

MS9740 B

Optical Spectrum Analyzer

Software Update Procedure

Version 1

Software Update Procedure

The Software Update Procedure is used to add new functions to the MS9740B and resolve any known problems. The MS9740B software is updated by installing the file released by Anritsu.

This document explains how to upgrade the firmware using USB memory.

Notes:

BEFORE performing this software upgrade, ALWAYS read the MS9740B Optical Spectrum Analyzer software Update Procedure (this document) and the MS9740B Operation Manual.

Step 1: Expanding file downloaded from Internet

The MS9740B software update file can be downloaded to a PC from the Software Download site at Anritsu's Web page.

Download file name:

MX9740B_vxxx_E.zip (xxx: Version; example: MX9740B_v10100_E.zip)

The download file is provided as a .zip file. Copy the downloaded file to a folder on the PC and then expand it. The following files will be contained in the folder after expansion.

- 1) Anritsu Corporation.zip (zip file containing MS9740B software update files)
- 2) MS9740B_DownloadManual_E00.pdf (Download manual: this document)
- 3) MS9740B_ReleaseNote_vxxx_E.pdf (Release notes)
- 4) MS9740B_Operation_Manual_e_x_x.pdf (Operation manual)
- 5) MS9740B_Remote_Operation_Manual_e_x_x.pdf (Remote Operation manual)
- 6) Readme.txt (version information for expanded file)

Notes:

- Always read the Release notes and confirm the software version of the MS9740B before running the update. If the MS9740B software version is the same as the software update version, there is no need to update the software.
- Check that the USB memory is recognized by the MS9740B
- The update procedure screen depends on the currently installed software version. There may be small differences between screens in this document and parts of the actual screens.

Step 2: Copying software update folder (Anritsu Corporation) to USB memory

First unzip the Anritsu Corporation.zip file. The folder resulting from the unzipping will have the following structure.

Anritsu Corporation

Optical Spectrum Analyzer (Folder contained in 'Anritsu Corporation' files)

Install (Folder contained in 'Optical Spectrum Analyzer' file)

SaSetup.xml (File contained in 'Install')

Setup.exe (File contained in 'Install')

Copy the software update folder (Anritsu Corporation) from the customer's PC to the USB memory stick.

*Copy the unzipped Anritsu Corporation folder to the USB memory.

The copy procedure is described in the PC or USB memory instruction manual.

Step 3: Reading software update folder

Insert the USB memory stick containing the copied software update folder.

Press F6 at the MS9740B screen.

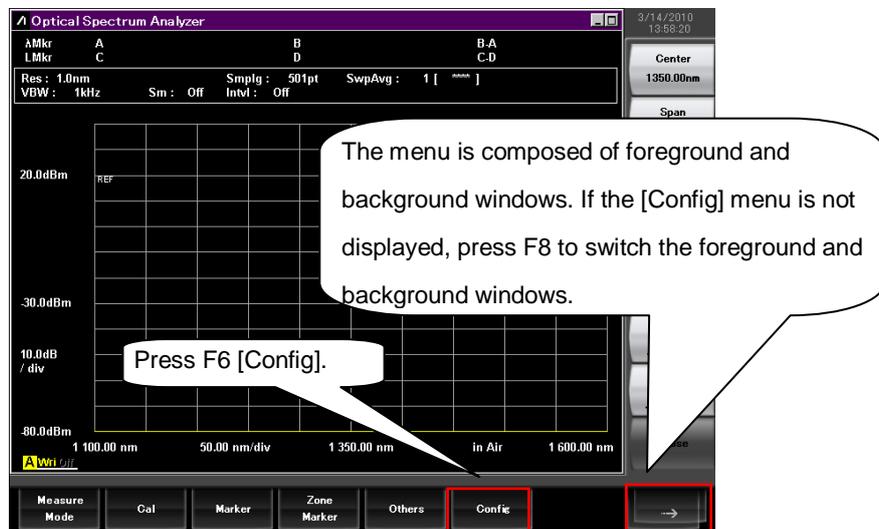


Fig. 1 Configuration Select Screen 1

Press f8 at the displayed Configuration screen (Fig. 2).

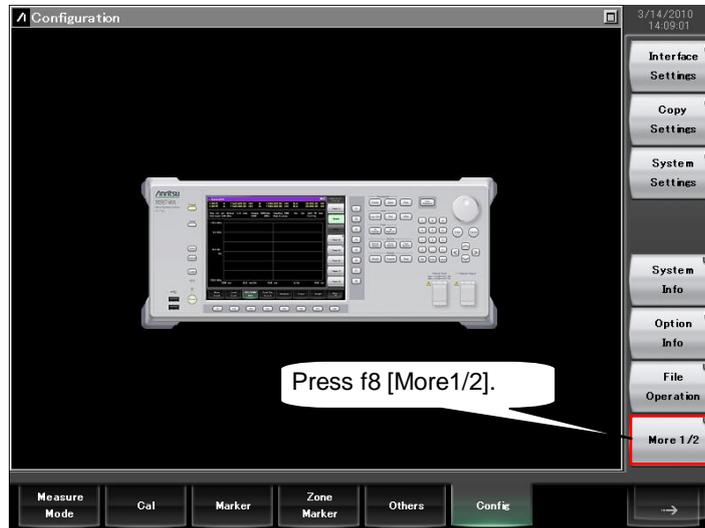


Fig. 2 Configuration Screen 1

Press f1.

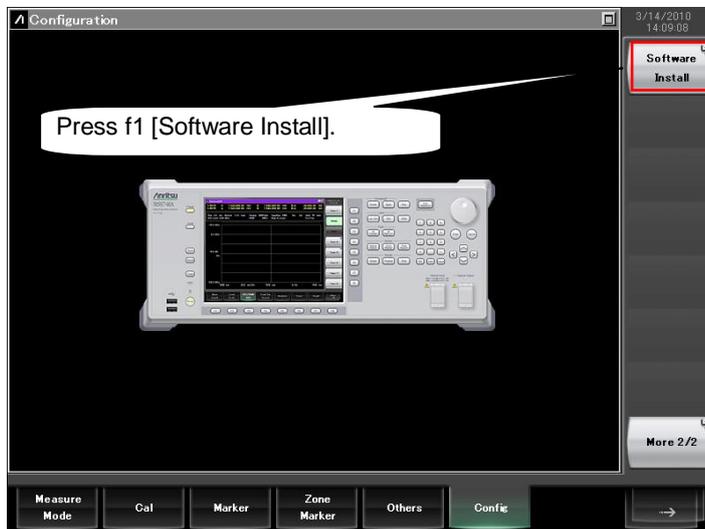


Fig. 3 Configuration Screen 2

Press f1 to open the Drive Selection screen.

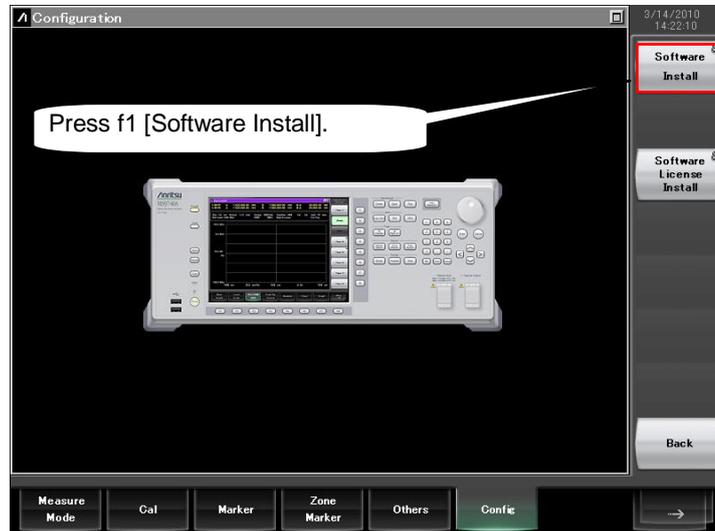


Fig.4 Configuration Screen 3

Select the USB memory containing the software update and press f7.

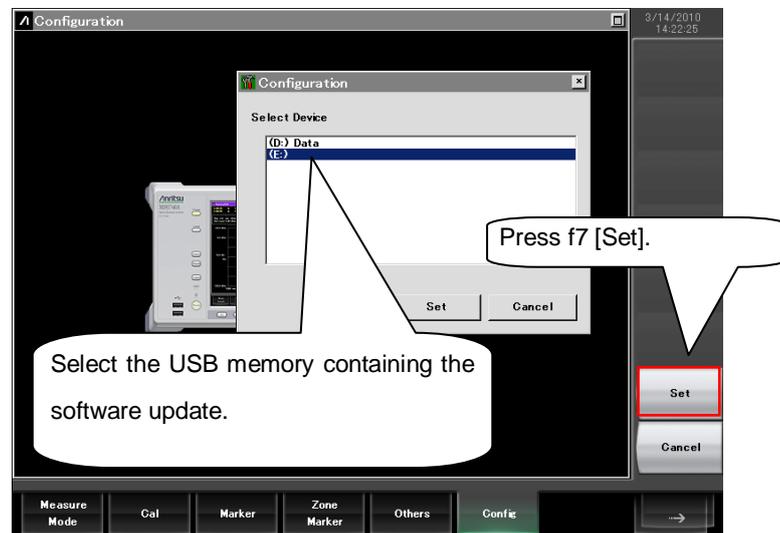
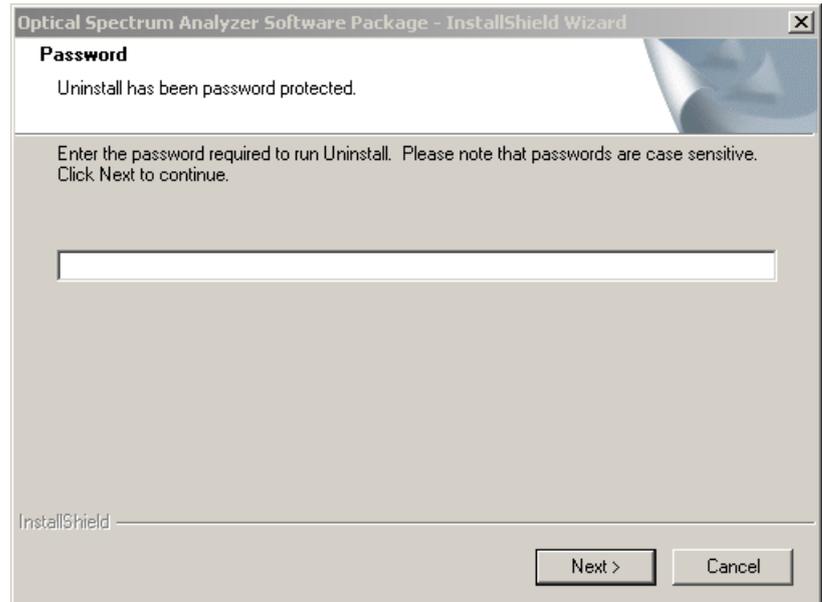


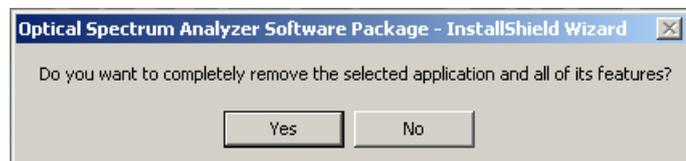
Fig. 5 Drive Selection Screen

Note:

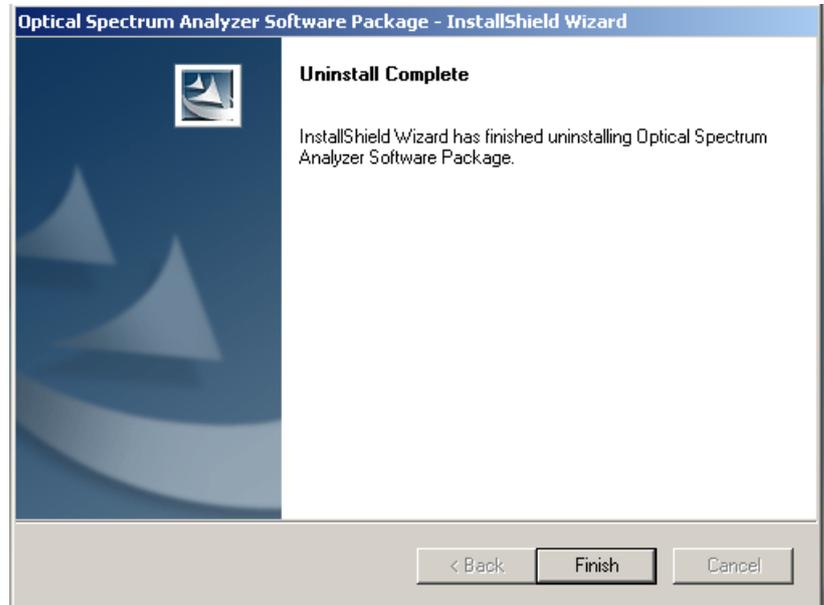
1. When the software version saved in the USB memory for installation is the same as the currently installed software version, pressing **f 1 Install** displays the password inputting window.



2. When installation is continued, enter "ms9740a_osa" using the key board. Select **Next>** using the key board or mouse and press **Enter**.
When terminating installation, select **Cancel** and press **Enter**.
3. The confirmation window for software uninstallation is displayed. Select **Yes** and press **Enter**.



4. The message is displayed after uninstallation is completed. Select **Finish** and press **Enter**.



5. Display the USB memory folder (E:¥Anritsu Corporation¥Optical Spectrum Analyzer¥Install).
6. Double-clicking Setup.exe starts installation.
7. After installation is complete, the MS9740B restarts automatically.

Step 4: Updating software

When Step 3 is executed, the Software Update Confirmation Screen (Fig. 6) is displayed. This screen displays the versions of the current firmware and the new update firmware. Confirm the software versions. If there are no version mismatches, press f1 to start the version upgrade.

*Updating the software initializes the measurement conditions. Files saved to internal memory (Device D) are saved unchanged even after the software update.

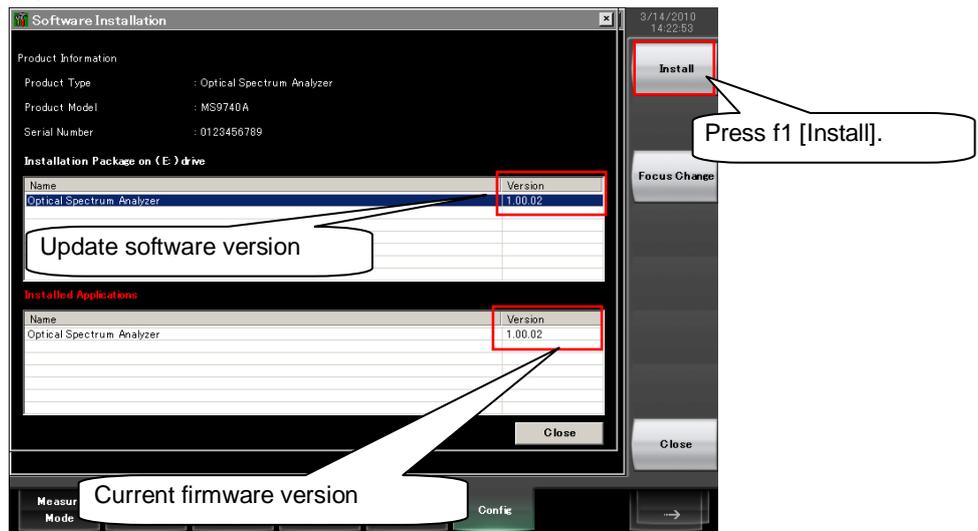


Fig. 6 Software Installation Screen 1

A final confirmation dialog is displayed before the install starts; select Yes using the rotary knob and press [Enter] to start the install.

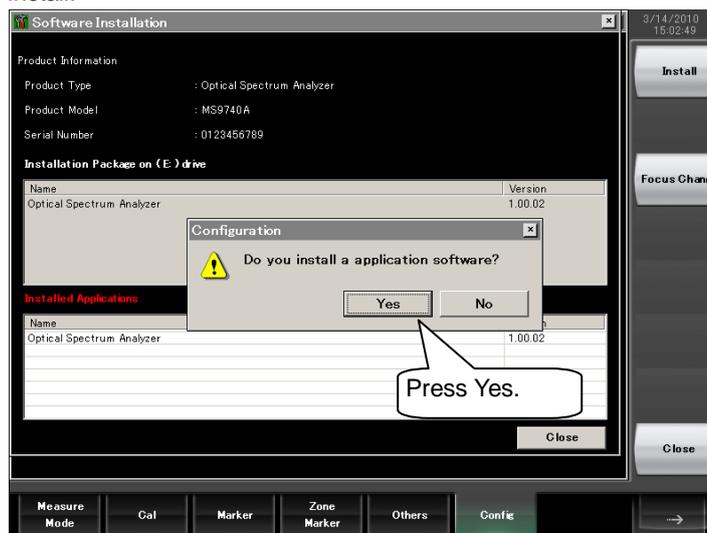


Fig. 7 Software Installation Screen 2

When the software update is completed, the power of the Optical Spectrum Analyzer is set to OFF automatically.

Step 5: Checking software updated correctly

Use the following procedure to check the software update. First, restart the instrument and press F6 after it reboots.

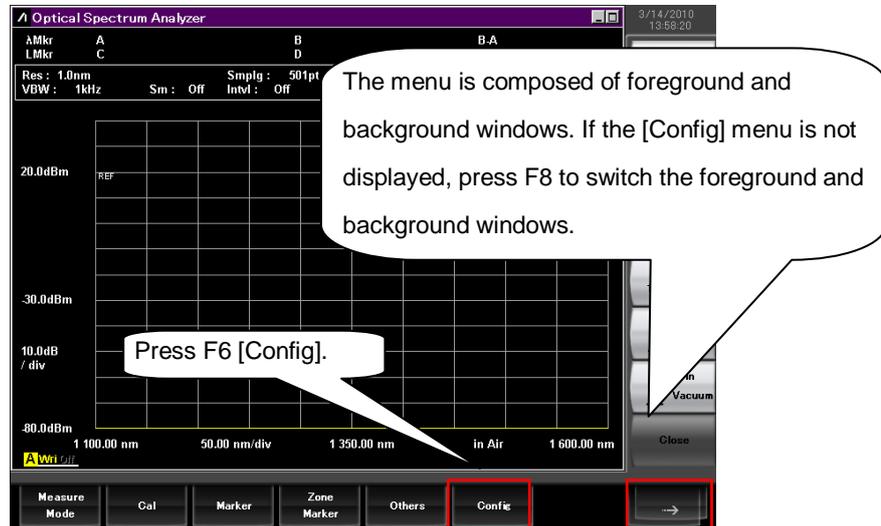


Fig. 8 Configuration Select Screen 2

Press f5 [System Info].

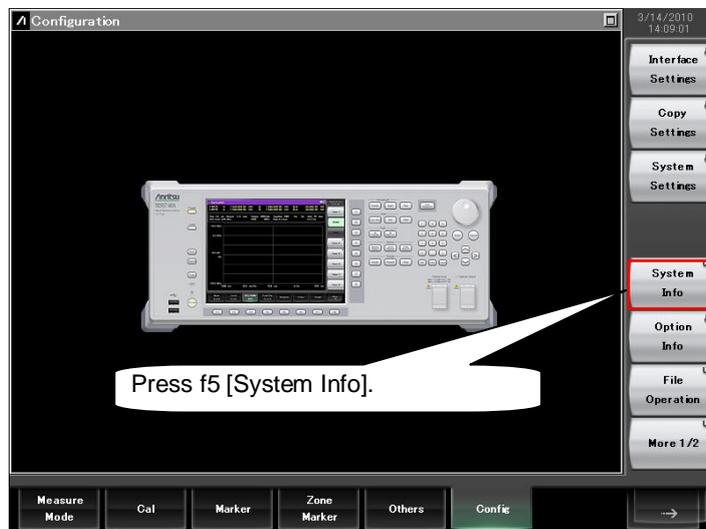


Fig. 9 Configuration Screen 4

Press f1 [System Info View].

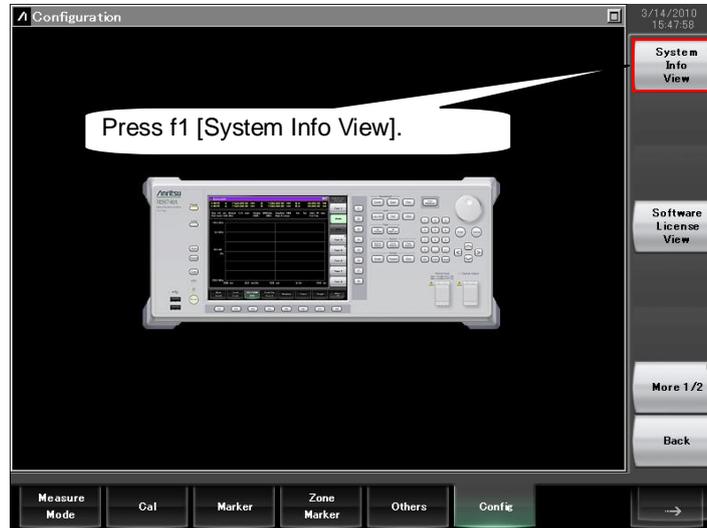


Fig. 10 Configuration Screen 5

Check that the software update versions are correct at the System Information screen.

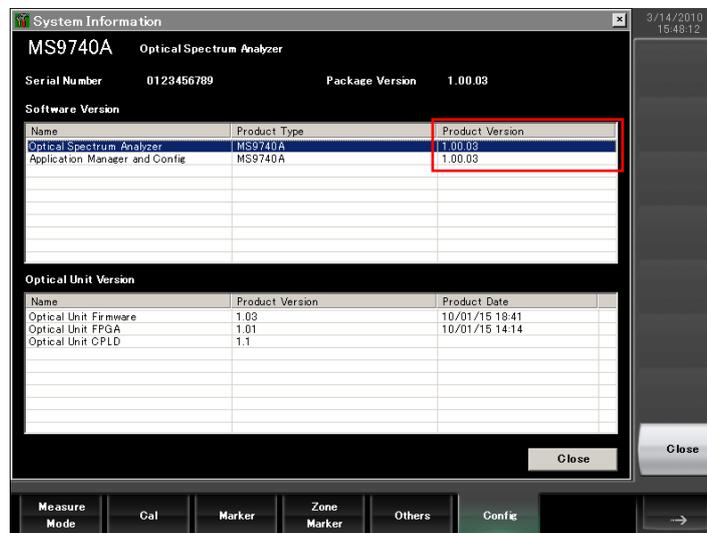


Fig.11 System Information Screen

This completes the software update procedure.

Software Update Notes

- Download the newest software from the following URL.
The newest version of the software can be downloaded from the following URL.
 - <https://www.anritsu.com/test-measurement/products/ms9740b>However, site user registration is required first to obtain a Login ID and set a password.
- NEVER remove the USB memory inserted into the MS9740B while updating, otherwise the software update will fail, leaving the MS9740B unable to restart.
- When updating the software, do not press any key on the MS9740B, otherwise the software update may fail, leaving the MS9740B unable to restart.
- When updating the software, do not turn off the power to the MS9740B, otherwise the software update will fail, leaving the MS9740B unable to restart.
- When updating the software, do not remove the AC power plug from the MS9740B, otherwise the software update will fail, leaving the MS9740B unable to restart.
- If the software update fails and the MS9740B cannot restart, please contact our Anritsu sales representative.