# Keysight X-Series Signal Source Frequency Extender

N5182BX07

Firmware Update Guide

**KEYSIGHT**
TECHNOLOGIES

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**Note:** An update of the instrument firmware will not alter the instrument performance or the status of the current calibration of the instrument.
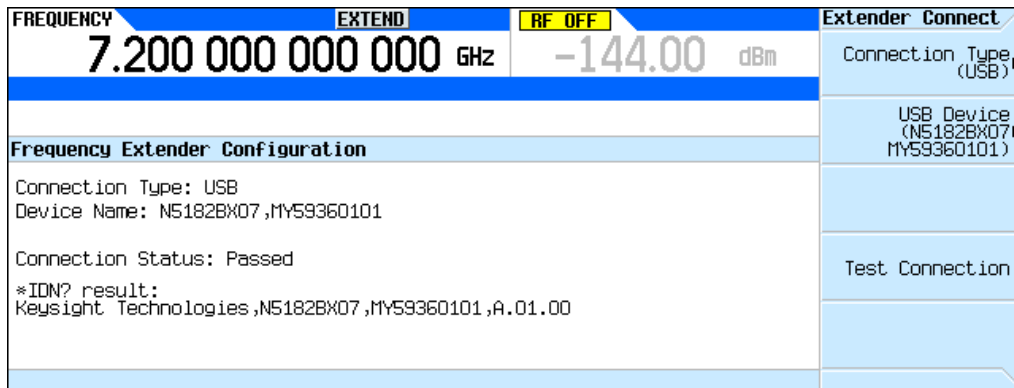
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## Overview

The purpose of this document is to outline the instrument firmware update procedure for an N5182BX07 Frequency Extender from the revision that is currently installed, to the latest revision available.

## Determining Current Firmware Revision

Since the instrument does not have a display of its own, the revision of instrument firmware currently installed needs to be viewed either on the instrument that is controlling it or with the Keysight Connection Expert running on a PC connected to it via USB.

On the instrument controlling the N5182BX07 press **FREQ**, **More**, **Freq Extender**, **Connection Settings**, **Test Connection**, and the firmware revision will be displayed as shown in the figure below.



From a PC that is connected to the instrument run the Keysight Connection Expert and select the device to display the firmware revision, as shown in the figure below.

## Requirements

To use this update procedure, the following requirements must be met:

1. Instrument must be functioning properly before the update is attempted
2. A PC with a functioning USB port will be needed to connect to the instrument and run the firmware installation program.
3. The Keysight Connection Expert must be installed on the PC that the firmware installation program is run on in order to connect to the instrument.
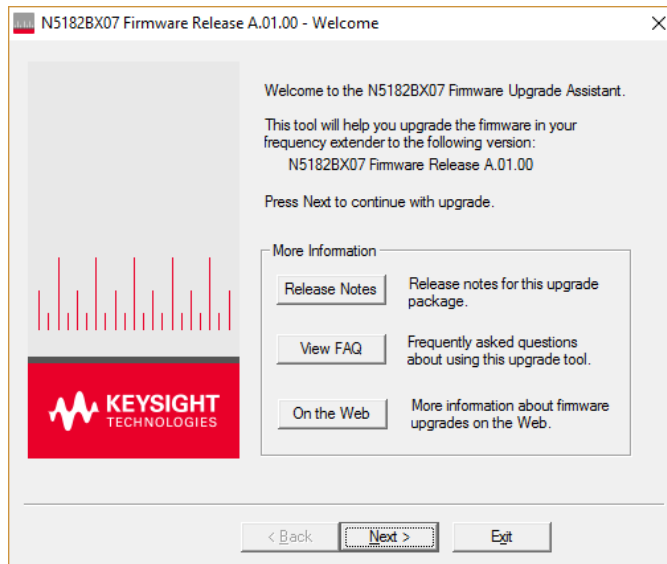
## File Download

To download the required firmware update executable file:

1. Go to http://www.keysight.com/find/N5182BX07_software

2. Download the executable file by clicking on the **Download** button and save the file to a convenient location on the PC that will be connecting to the instrument.
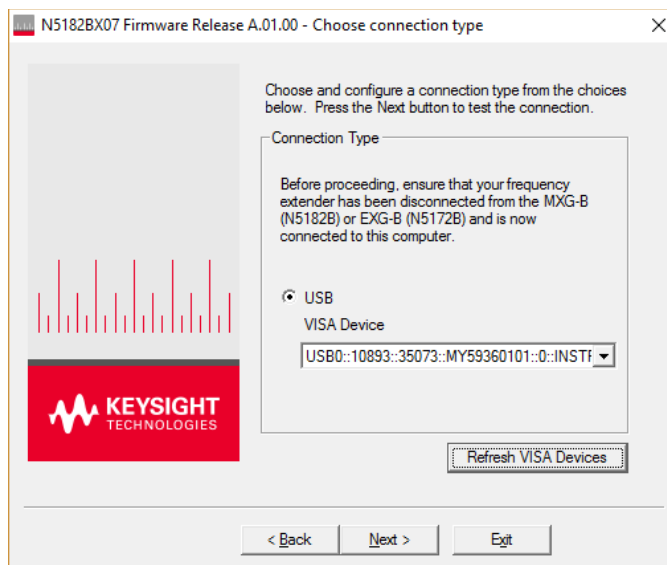
## Update Procedure

The automated instrument firmware update process will install the new revision with minimal user interaction required.

1. Turn the instrument on and allow 30 seconds for it to completely boot up.
2. If the instrument USB control cable is connected to a signal source disconnect it from the source and connect it to a USB port on the computer that the installation program will be run on.
3. Execute the downloaded file.
4. The firmware update window shown below will appear.
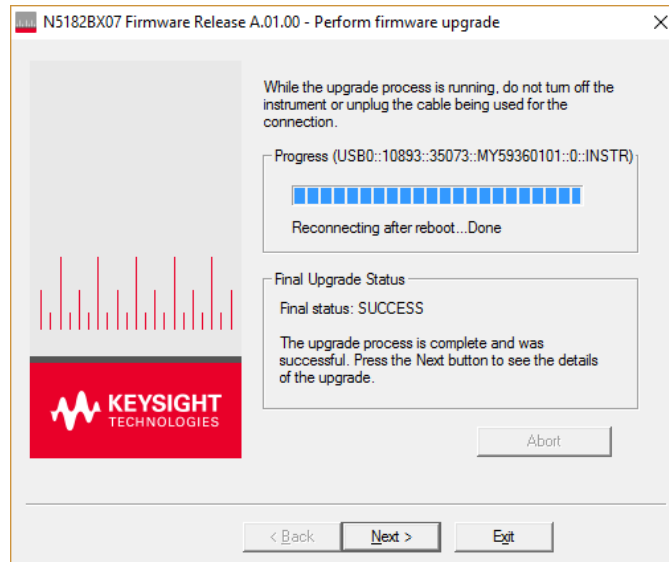


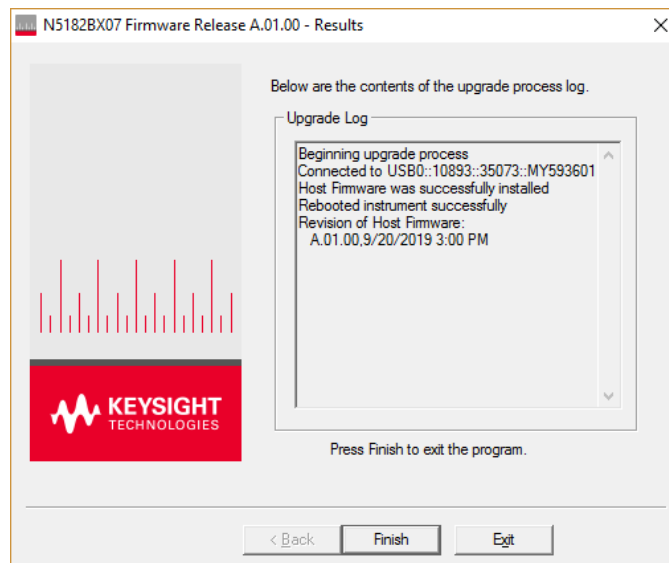5. Select **Next** to continue to the instrument connection screen shown below.



6. The instrument connected to the computer should now appear as one of the selections in the **VISA Device** pull-down menu.

If the instrument is not listed, press **Refresh VISA Devices**. If it still does not appear make sure that it is powered on and properly connected to the computer.

7. Once the instrument being updated has been selected press **Next** to continue.

8. When the Software installation is complete you will see the following message.



9. Press **Next** to view the results of the installation as seen in the following screen.



10. Press **Finish** to complete the installation.

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