

Installation
Guide

FieldFox Spectrum Recorder

Notices

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Version History

Version	Summary of Change	Written by	Date
1.00	Initial Version	A. Hascoet	6/27/2018
1.01	Minor Change	A. Hascoet	1/28/2019
1.02	Added Keysight Licensing	A. Hascoet	6/18/2019

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Introduction

The Keysight FieldFox Spectrum Recorder Software Installation Guide provides all the necessary instructions to install the Keysight FieldFox Spectrum Recorder software and software licenses.

This chapter describes the minimum and recommended computer requirements, as well as installation and configuration of the Keysight FieldFox Spectrum Recorder software Z2082E-175. To install the software on a computer, follow the installation procedure described in Installing and Configuring the Keysight FieldFox Spectrum Recorder Software. This procedure handles most installation issues automatically. To upgrade the software from a previous version, run the setup.exe program; see Installing and Configuring the Keysight FieldFox Spectrum Recorder Software. This procedure handles most installation issues automatically.

When the installation program setup.exe is run, start-up icons are placed in the Windows® Start menu under Keysight FieldFox Spectrum Recorder.

Start-up icons include:

- Keysight FieldFox Spectrum Recorder is a generalized icon that launches the standard Keysight FieldFox Spectrum Recorder configuration optimized for the FieldFox handled spectrum analyzer.

The Keysight FieldFox Spectrum Recorder software Z2082E-175 must be downloaded from Keysight website. To access the software download page, go to <https://www.keysight.com/find/fieldfoxspectrumrecordersoftware>.

The Keysight FieldFox Spectrum Recorder software does require a software license file to run. See Licensing.

System Controller Requirements

The following table lists the minimum and recommended system controller/personal computer (PC) requirements.

CPU	MINIMUM	RECOMMENDED
Processor	1.5 GHz Pentium P4	Dual 3 GHz Pentium
Memory	2 GB. (performance suffers with less)	8 GB (More memory is always better)
Operating System	Windows® 10	Windows® 10
Drives	MINIMUM	RECOMMENDED
Hard Drive	20 GB (750MB required for installation of FieldFox Spectrum Recorder SW)	120 GB. (750MB required for application software)
DVD Drive	Optional DVD drive (Needed to install FieldFox Spectrum Recorder SW and License file)	16x DVD+RW. (Used to install and backup software)
Graphics	MINIMUM	RECOMMENDED
Display	17" Display. Required to view spectral data points	Dual 24" or larger LCD Display. Required to view spectral data points
Graphic Card	True 1024x1280 (on-screen resolution) 16 Bit True Color 8 Mbyte On-board Video Memory	True 1600x1600 (on-screen resolution) 32 bit True Color Video Card with 2 Gbyte memory

Communication (I/O)		MINIMUM	RECOMMENDED
Sound (Audio)	Card	Not required for basic operation	
Serial Ports		Not required for basic operation	
USB		Not required for basic operation	4-ports (USB-2).
Keyboard / Mouse		Not required for Laptops. USB required for other controllers (If USB make sure to have enough USB ports)	Not required for Laptops. USB required for other controllers (If USB make sure to have enough USB ports)
Networking		One 100/1000 Mbit/s Network Interface (Use: Connection to FieldFox handheld analyzer)	1 Gbit/s or faster network interface card

Software		MINIMUM	RECOMMENDED
Anti-Virus Software		Not required for basic operation of FieldFox Spectrum Recorder system	Symantec Anti-Viruses software
Adobe Acrobat Reader		Use: read the manuals	Use: read the manuals

Installing and Configuring FieldFox Spectrum Recorder

Pre-requisites

In order to work correctly, Keysight Spectrum Recorder Software Z2082E-175 requires the Keysight IO Libraries version 18.0.22209.2 or newer and the Keysight KMF 1.31 software. The Keysight KMF 1.31 installer will install the required Keysight Licensing components (Keysight License Manager);

Keysight IO Libraries software is available on the Keysight FieldFox Spectrum Recorder Installation package, under the directory "IOLibs". To install the Keysight IO Libraries, run the installer "IOLibSuite_18_0_22209_2.exe".

Keysight KMF 1.31 software is available on the Keysight FieldFox Spectrum Recorder Installation package, under the directory "KMF_Installer".

Keysight KMF 1.31 software installation requires an Internet connection.

If there is no Internet connection available, you must manually install the KMF prerequisites provided with the installation package, from the folder KMF_Installer/prerequisites and then install KMF certificates using the KmfCertificates.exe tool (read README.txt for special instructions).

To install Keysight KMF 1.31, run the installer "Keysight_KMF_Embedded_TraceGraph_1.31.104.0.exe".

When Keysight KMF 1.31 is correctly installed, proceed with the Keysight FieldFox Spectrum Recorder Software Installation.

Installation

From the Keysight FieldFox Spectrum Recorder Installation package, run the setup.exe and follow the instructions.

When installation is complete, Keysight FieldFox Spectrum Recorder software can be used. Refer to the Keysight FieldFox Spectrum Recorder User Guide for further information.

Licensing

The Keysight FieldFox Spectrum Recorder software must be licensed to operate. The software supports fixed, permanent licenses. Configuring the license requires three general steps:

1. Running the Keysight License Manager version_5.x to obtain information about the PC on which the software is installed.
2. Contacting Keysight Technologies to receive a license file.
3. Installing the license file using the Keysight License Manager version_5.x.

Fixed permanent Licenses

This section describes the steps to obtain and install a fixed permanent license. The license enables the FieldFox Spectrum Recorder software that you have purchased. The license must be installed on the same PC that runs the FieldFox Spectrum Recorder software.

To obtain and install a fixed permanent license:

1. Purchase a Z2082E-175 license.
2. Receive a Software License Entitlement Certificate.

After purchasing a license, you will receive a Software License Entitlement Certificate.

3. Redeem the license.

As described in [Redeeming a License \(page 7\)](#), the Software License Entitlement Certificate provides instructions on how to redeem your license.

4. Install the license file.

As described in [Installing a license \(page 7\)](#), after providing the required information, the Keysight Software Manager website will email a license file (.lic) to you. Install the license file on the same PC that runs the FieldFox Spectrum Recorder software.

5. Activate the license.

After installing the license, you need to restart the FieldFox Spectrum Recorder software to activate the license.

Redeeming a License


After purchasing a License, you will receive a Software License Entitlement Certificate. You will need information from the certificate to redeem and activate a license. To redeem a license, follow these steps:

1. Collect the Software License Entitlement Certificates for all Z2082E-175 software that you have purchased. The Software License Entitlement Certificates are emailed to you.
 2. Obtain the Host identification information (Host ID). Use the Keysight License Service utility or Keysight License Manager to obtain the *Host ID*.
 - a. Open the **About Keysight License Service** utility: right click the "**Keysight License Service** icon 📢 in the Windows desktop notification area (lower right side of the Windows Task bar) and select **About Keysight License Service**.
 - b. Click the **Copy** button to the right of the Host ID box. The Host ID information is copied into the Windows clipboard.
 3. Redeem your licenses and obtain the license files. Follow the instructions included on the *Software License Entitlement Certificate* to redeem your licenses and obtain the license files. Go to the *Keysight Software Manager* website:
<http://www.keysight.com/find/softwaremanager>.
- First time access will require you to register.
IMPORTANT Remember your user password. The password is required for future access to manage your licenses.
 - You will need the *Keysight Order Number* and *Keysight Certificate Number* located on the top of your *Software License Entitlement Certificate*.
4. Install license file(s): Check your email for the license file(s) and then install the license file(s) on the PC – go to [Installing a License \(page 7\)](#).

Installing a License

Installing the license file is necessary to license the FieldFox Spectrum Recorder software. After completing [Redeeming a License \(page 7\)](#), you will receive a Keysight email containing your license file for the redeemed Entitlement Certificates. Follow these steps to install the license files on the PC:

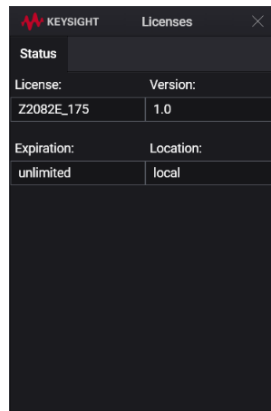
1. Copy the email attachment ".lic" to a folder on your PC, connected hard drive, or USB storage device.

2. Start the Keysight License Manager: double click the Keysight License Service icon  in the Windows desktop notification area (lower right side of the Windows Task bar).
3. To install the license file, drag-and-drop the license file onto your computer or instrument's connection in the Keysight License Manager's list of connections. See the *Add a New License* section of the Keysight License Manager Help for more ways to install the license (click the "?" icon to from within the Keysight License Manager to open the help file, or click **Start > (All) Programs/All apps > Keysight License Manager > Keysight License Manager Help**).

NOTE The install operation can take up to 40 seconds to complete.

When the license file is successfully installed, the installed licenses that are available are listed in the Keysight License Manager's main license view area. Make sure your licensed options and features are shown.

4. After installing the license file, verify that the software is licensed. Start the Keysight FieldFox Spectrum Recorder software, open the Licenses dialog (click **Utilities > Licenses**) and verify the license is correctly detected by the software.





This information is subject to change without notice.

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