Keysight M8000 Series of BER Test Solutions
Plugins for M8070B System Software
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Getting Started with Keysight M8070B Plugins
Getting Started Guide

1 Getting Started

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This chapter describes how to install, uninstall, update and launch the plugins other than the M8085A plugins, in the M8070B system software. The procedures for M8085A plugins are different and have been described in the next chapter.
Introduction

A plugin is a piece of software application that acts as an add-on to the main software and enhances its capability. A plugin enables the software to host additional functionality without undergoing a major modification or enhancement. A plugin is not a permanent part of the software, hence can be installed, uninstalled and updated as and when required.

The M8070B system software for the M8000 Series of BER Test Solutions supports plugins. Thus, the present capabilities of M8070B can be further enhanced by simply installing the required plugins.

The M8070B software comes with a Plugin Manager to simplify all the tasks related to plugin management. For details, see Plugin Manager on page 7.

Prerequisites for Plugins Installation

- M8070B software version 2.5 or later with software license (“M8070B-0TP” or “M8070B-0NP”) installed.
- Plugin file which can be downloaded from Keysight web page.
- Plugin license (if required). For details on the required licenses and their accessibility, please refer to the respective plugin's User Guide.

License Information

The plugins can be freeware or licensed. For the plugins which require a license to operate, you need to install the plugin license in the M8070B software. For details on the licenses and their accessibility, please refer to the respective plugin's User Guide.

Locate Documentation

After installing the M8070B software, you will find the required documentation from the Start menu. Select Keysight M8070B > Keysight M8070B Documentation.

For plugins related documents, navigate to C:\Program Files\Keysight\M8070B\Plugins\<plugin_foldername>\doc

where <plugin_foldername> is the name of the folder corresponding to the plugin of interest. For example, you must navigate to C:\Program Files\Keysight\M8070B\Plugins\M8070B_IEEE_TxEqTraining\doc to access the Keysight IEEE MultiGBASE-KR TX EQ Training User Guide.
You can also visit www.keysight.com/find/m8000 to find the latest versions of related manuals.

Contact Keysight Technologies

For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus

Plugin Manager

The Plugin Manager simplifies all the tasks related to plugin management. It displays a list of plugins that are installed in the software. For each plugin, it displays the information such as Name, Version, Vendor, Description, State and Build Date. In addition, the Plugin Manager also allows you to install, uninstall and upgrade the plugins.

NOTE

You cannot install, upgrade, or uninstall the M8085A Plugins for MIPI Receiver Test Solutions using Plugin Manager. For information on how to install these plugins, refer to Installing M8085A Plugins for MIPI Receiver Test Solutions on page 13.

Uninstall these plugins from Control Panel.

To launch Plugin Manager, open the M8070B user interface and then go to the menu bar. Select Utilities and then Plugin Manager. The Plugin Manager window appears as shown in the following figure:
The Plugin Manager window displays two types of plugins:

- **Compatible Plugins** – plugins which are compatible with the current version of software.
- **Incompatible Plugins** – plugins which are not compatible with the current version of software.

The Plugin Manager window displays the following information of each plugin:

- **Name** – Name of the plugin
- **Version** – Version number of the plugin
- **Vendor** – Vendor/publisher of the plugin
- **Description** – Brief description of the plugin
- **State** – State of the plugin. For details on different plugin states, see Plugin States on page 8.
- **Build Date** – Build date of the plugin

**Plugin States**

There can be the following plugin states:

- **Installed** – When the plugin is installed but the M8070B software is not restarted. In this case, the installed plugin is not loaded or it cannot be used. You have to restart the M8070B software in order to load the plugin.
- **Loaded** – When the plugin is installed and the M8070B software has been restarted. In this case, the installed plugin is ready to be used. Remember, you have to restart the M8070B software in order to load the plugin.
- **Not Loaded** – When the plugin is installed but failed to load. In this case, the installed plugin cannot be used.
- **Version Incompatible** – When the version of the installed plugin is not compatible with the current version of M8070B software.

**How to Install a Plugin**

The Plugin Manager window enables you to install a plugin.

To do so, perform the following steps:

1. Download the required plugin file from the Keysight web page.
2. Click the ![Install plugin from file icon](open_dialog_icon). A standard Window’s Open dialog appears.
3. Locate the plugin file (*.M8KP) you want to install and click **Open**.
4 On the successful installation of plugin, a message similar to the following appears:

![Installation Successful](image)

5 Restart the software. Once you restart the software, the plugin state will change to **Loaded**. See Plugin States on page 8.

**NOTE**

Ensure to restart the M8070B software for the changes to take effect.

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**How to Uninstall a Plugin**

The **Plugin Manager** window enables you to uninstall a plugin.

To do so, perform the following steps:

1 Select the plugin from the list.

2 Click on the **Uninstall selected plugin** icon or right-click on the selected plugin and select **Uninstall Plugin**. The **Uninstall Plugin** dialog appears.

![Uninstall Plugin](image)

3 Click **Yes**, if the state of plugin is **Installed**, then it will be immediately uninstalled from the software.

4 However, if the plugin is currently in use (**Loaded or Not Loaded**), then you will receive the following message.
5 Restart the M8070B software. The plugin will be uninstalled on software startup.

How to Update a Plugin

The Plugin Manager window also enables you to update an already installed plugin.

Perform the following steps to update the plugin with its higher version:

1 Download the latest plugin file from Keysight web page.

2 Click the Install plugin from file icon. A standard Window's Open dialog appears.

3 Locate the plugin file (*.M8KP) you want to update and click Open. You will see the following message:

4 Click Yes. If the state of plugin is Installed, then it will be immediately updated and the following message will appear:
5. However, if the plugin is currently in use (Loaded or Not Loaded), then you will receive the following message.

6. Click Yes. The following message will appear:

7. Click OK. The selected plugin will be uninstalled from the software. You can now install the new version of that plugin. For installation procedure, see How to Install a Plugin on page 8.

**NOTE**

Ensure to restart the M8070B software for the changes to take effect.
The Plugin Manager window does not directly allow you to update an installed plugin with previous (lower) version. If you try to do so it will give the following error message:

![Installation Failed](image)

In this case, you have to uninstall the plugin and then install the previous (lower) version of that plugin again.

How to Access an Installed Plugin Through M8070B User Interface

Perform the following steps to access an installed plugin through M8070B user interface:

1. Launch M8070B software user interface.
2. In the M8070B user interface, go to the Menu Bar and then click the Application menu. It will list all the installed plugins.
3. Select the plugin.
4. The plugin user interface appears in the M8070B software.

For complete details on how to operate the plugin user interface, refer to the respective plugin's User Guide.
This chapter describes the requirements and steps for the installation of M8085A Plugins for MIPI Receiver Test Solutions. Plugins other than the M8085A plugins are installed, updated, and uninstalled using Plugin Manager. The previous chapter describes the procedures for plugins other than the M8085A plugins.
Introduction

The M8085A Plugins for MIPI Receiver Test Solutions must be installed separately on top of the M8070B software. The installation procedure for the M8085A Plugins for MIPI Receiver Test Solutions is different from the other plugins. After successful installation, you will be able to access the following plugins:

- MIPI C-PHY and D-PHY Editor plugins—Enable you to set the DUT and test configuration.
- MIPI C-PHY and D-PHY CTS plugins—Support the MIPI C-PHY and MIPI D-PHY signal generator configurations for single and multi-lane testing with the Test Automation Software.

Prerequisites for Plugins Installation

The following are the prerequisites for installing Keysight M8085A Plugins for MIPI Receiver Test Solutions:

- M8070B software version 3.5.104.4 or later with software license ("M8070B-0TP" or "M8070B-0NP") installed.
- Installer for M8085A Plugins, which is either available on CD or can be downloaded from Keysight website.
- Plugin licenses. For details on the required licenses and their accessibility, please refer to the respective plugin's User Guide.
How to Install M8085A Plugins

Perform the following steps to install Keysight M8085A Plugins for MIPI Receiver Test Solutions on your system.

1. Double-click the installer file. This installer file will be available either on CD or Web. The following window is displayed.

   ![MIPI Plugin Setup Wizard](image)

   **Figure 1** MIPI Plugin Setup Wizard
2. Click Next. The License Agreement of the MIPI plugin setup is displayed as shown in the following figure.

![Figure 2 MIPI Plugin Setup License Agreement window](image)

3. Read all the terms and conditions of the License Agreement carefully.
4. Select I accept the terms of the License Agreement.
5. Click Next. The following window is displayed.
6 Select the type of installation (**Full** or **Custom**).
7 Click **Next**. The following window is displayed.

8 Click **Browse** to select the destination folder where the software must be installed.
9 Click **Install**. The following window is displayed.

![Figure 5 MIPI Plugin Setup installation status window](image)

10 Once the installation is complete, click **Next**. The following window is displayed.

![Figure 6 M8085A Plugins installation completion window](image)
11 Click **Finish** to complete the installation of Keysight M8085A Plugins for MIPI Receiver Test Solutions.

12 Restart the M8070B software.

**Accessing the Plugins for MIPI Receiver Test Solutions Through M8070B User Interface**

Perform the following steps to access an installed plugin through M8070B user interface:

1. Launch M8070B software user interface.
2. From the **Application** menu, select one of the following plugins:

   - **MIPI C-PHY Editor Plugin**: The default user interface is displayed as shown below.

![Figure 7 Selecting M8085A Plugin from the Application menu](image)
MIPI D-PHY Editor Plugin: The default user interface is displayed as shown below.
- MIPI C-PHY CTS Plugin: The default user interface is displayed as shown below.
MIPI C-PHY CTS Plugin: The default user interface is displayed as shown below.
For complete details on how to operate the MIPI D-PHY Editor Plugin user interface, refer to the MIPI D-PHY Editor User Guide.

For complete details on how to operate the MIPI D-PHY CTS Plugin user interface, refer to the MIPI D-PHY Receiver Test Configuration User Guide.

For complete details on how to operate the MIPI C-PHY Editor Plugin user interface, refer to the MIPI C-PHY Editor User Guide.

For complete details on how to operate the MIPI C-PHY CTS Plugin user interface, refer to the MIPI C-PHY Receiver Test Configuration User Guide.
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