QUICK START GUIDE
Upgrading to RM Shell 5

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With regard to the supply of products, the current issue of the following document is applicable:

The General Terms of Delivery for Products and Services of the Electrical Industry, published by the Central Association of the Electrical Industry (Zentralverband Elektrotechnik und Elektroindustrie (ZVEI) e.V.) in its most recent version as well as the supplementary clause: "Expanded reservation of proprietorship."

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1 Introduction

This quick start guide describes the steps that are necessary to update a Pepperl+Fuchs HMI device from RM Shell 4 to RM Shell 5.

Along with this guide, you have received a Certificate of Authenticity (CoA). This CoA grants you the right to install the RM Shell 5 image on as many VisuNet Remote Monitors (RMs) and box thin clients (BTCs) as you have received Microsoft® license stickers for.

To ensure a proper assignment of licenses to devices, document which device a license is assigned to by writing the device's serial number on the CoA sheet in the respective field.

DISCLAIMER: This software is subject to the terms and conditions of the accompanying end user license agreement. This software is provided only for use with, and for licensed end users of, Pepperl+Fuchs VisuNet RMs and BTCs. Any other use of this software is strictly prohibited and may subject you to legal action.

You are only eligible to install the images on Pepperl+Fuchs devices for which you have purchased a corresponding upgrade license from Pepperl+Fuchs.

The software upgrade is non-returnable and non-refundable.

Contact your local Pepperl+Fuchs sales representative if you have any questions.

1.1 Symbols Used

This document contains symbols for the identification of informative messages.

Informative symbols

Note!
This symbol brings important information to your attention.

Action
This symbol indicates a paragraph with instructions. You are prompted to perform an action or a sequence of actions.

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2 Upgrading to RM Shell 5

2.1 Accessing Upgrade Images

RM Shell 5 upgrade images are provided via download from the Pepperl+Fuchs file sharing platform. Access this platform under the URL https://pffiler.pepperl-fuchs.com. To access the platform, you need a user account.

IMPORTANT: Provide your first name, last name, and a valid email address during order intake to your local Pepperl+Fuchs sales contact so that the user account can be created and the access rights can be assigned.
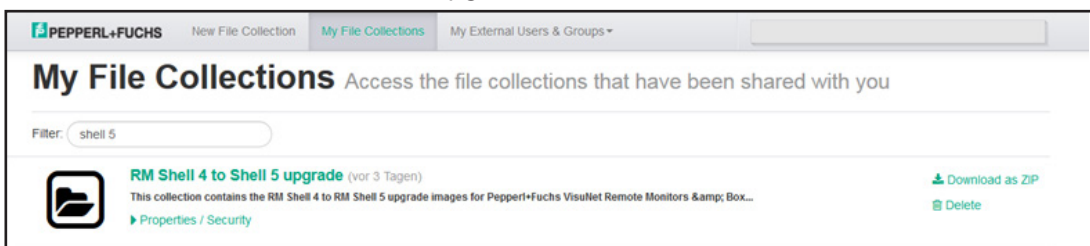
You will be automatically informed via email when your user account is created and you have the permissions to access the files. When you log in for the first time, change your personal account password.

2.2 Downloading the RM Shell Image

Use your account credentials to log into the Pepperl+Fuchs file exchange platform.
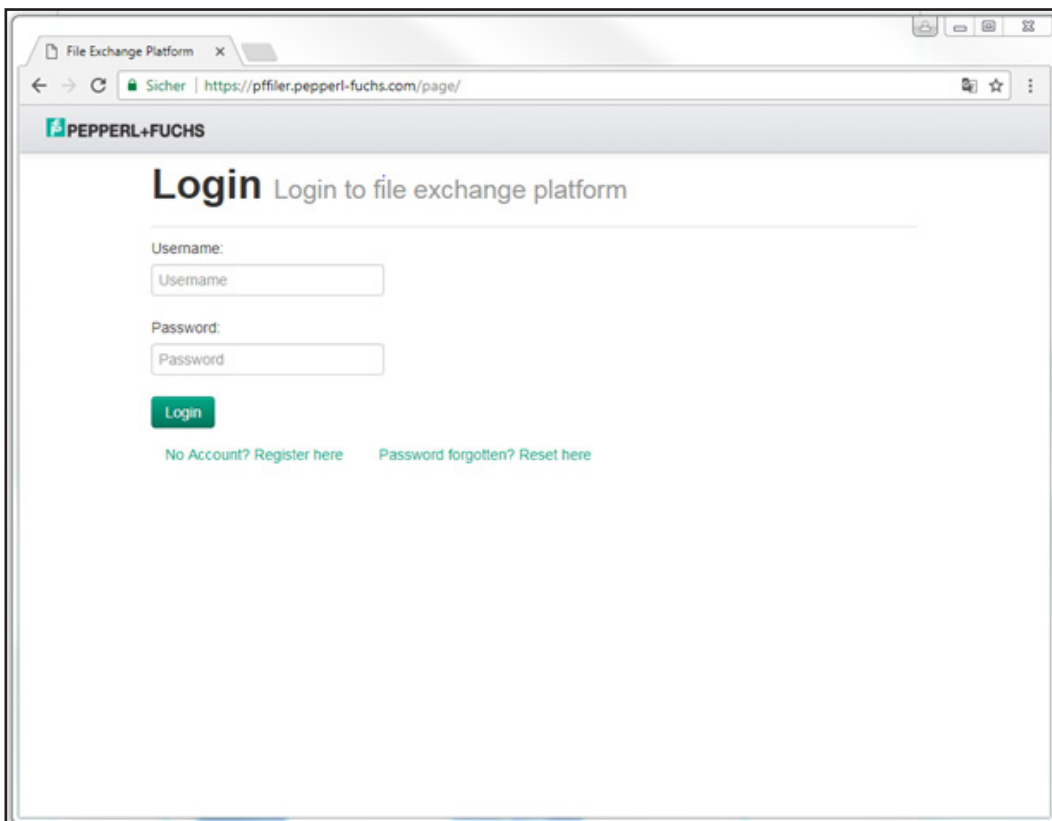
After logging into your account, click the "My File Collections" tab to view the folder that contains the RM Shell 5 upgrade images.
Click the link "RM Shell 4 to Shell 5 upgrade" to enter the folder.

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This folder contains subfolders for each hardware platform (i.e., BTC01, VisuNet GXP). Enter the appropriate subfolder to access the image files.

Each subfolder contains a list of files. These files represent a self-extracting, split ZIP file that comprises the WIM image for the individual device.

➤ Download all files by clicking "Download" for each file.

Note!
Due to the large size of the image (over 4 GB), it is split into smaller files.

IMPORTANT: By downloading these files, you accept the Pepperl+Fuchs and Microsoft® license agreement. See chapter 3.

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2.3 **Unpacking the Image Files**

After downloading the image files, unpack them by clicking on the "*.exe" file of the downloaded files. The files are packed as a "self-extracting ZIP" file.

The ZIP packages contain one large WIM file that represents the upgrade image.

This file can now be installed onto a VisuNet RM/BTC.

2.4 **Installing the Update**

2.4.1 **Entering Factory Reset**

➤ To start the update, change the RM Shell user role to "Administrator." Then use the "Reboot to Factory Reset" function in RM Shell. This function can be found under **System Settings ➔ General ➔ Factory Reset**.
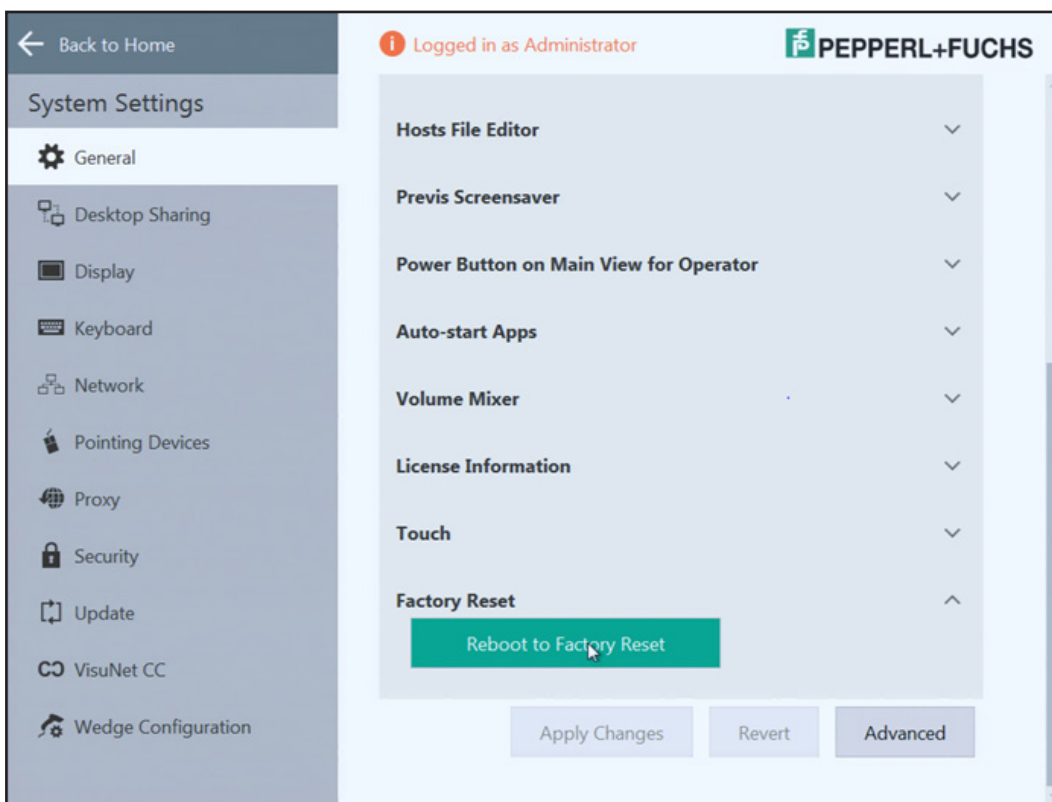
After restarting, the system will boot into the factory restart.

Note!
This factory reset feature is available in RM Shell versions 4.2 and newer. If you use an older version of RM Shell 4.x, enter the factory reset of your device by pressing the "F9" key during the boot process.

Note!
When upgrading from RM Shell 4 to RM Shell 5, all system settings and profiles will be deleted. You can save your system configuration via VisuNet Control Center and deploy the configuration to the device after installing RM Shell 5.

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2.4.2   Deleting Old Firmware Versions

Before the new WIM file can be loaded to the device, older firmware versions must be deleted to create storage space on the drive.

To delete old firmware versions, go to "Firmware Management" and delete all available firmware files by clicking the garbage can icons. This must be done to free up enough space on the drive.

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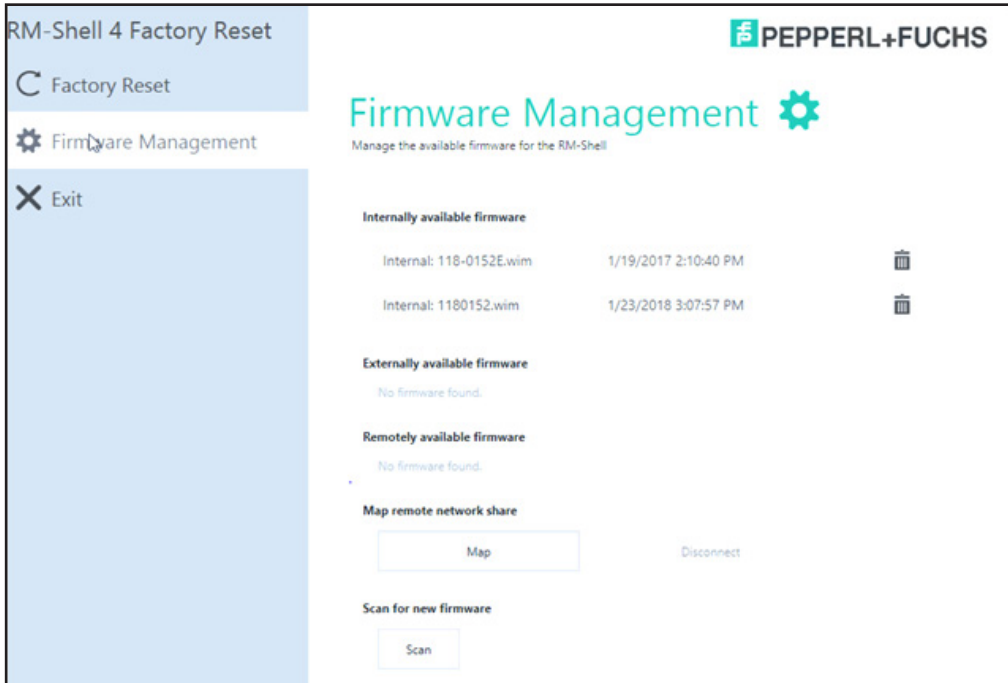
2.4.3   Copying the Image to the Device

There are two ways to copy the image to your system.

Option 1: USB Memory Stick

Note!
Ensure that the USB memory stick is formatted with "NTFS" file system and has a minimum size of 16 GB.

➤ Plug in the USB memory stick. Click "Scan" on the RM Shell 4 firmware management window to search for the firmware file on the stick. The RM Shell update image will appear under "Externally available firmware." Click the arrow symbol to import the firmware.
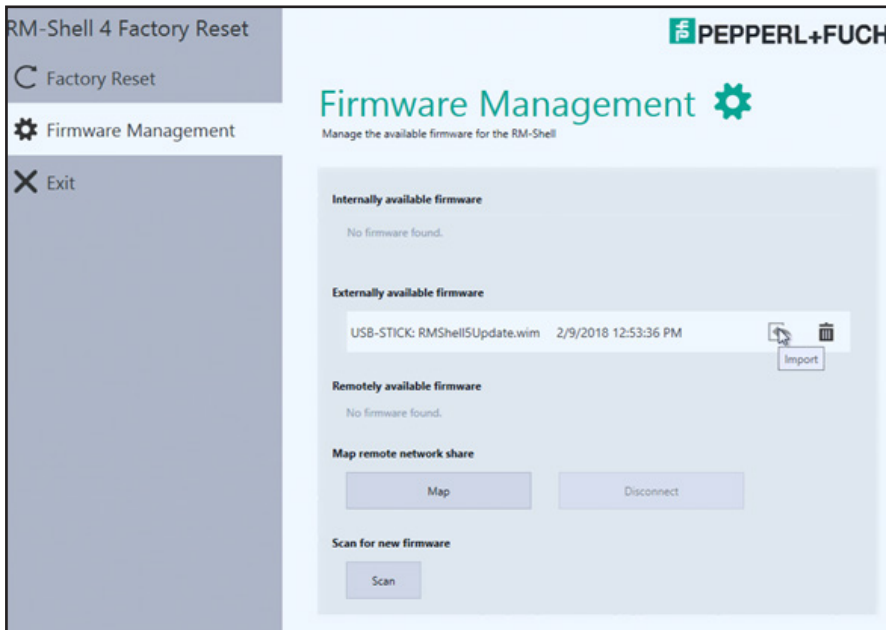
Wait until the file has been imported and is listed under "Internally available firmware."
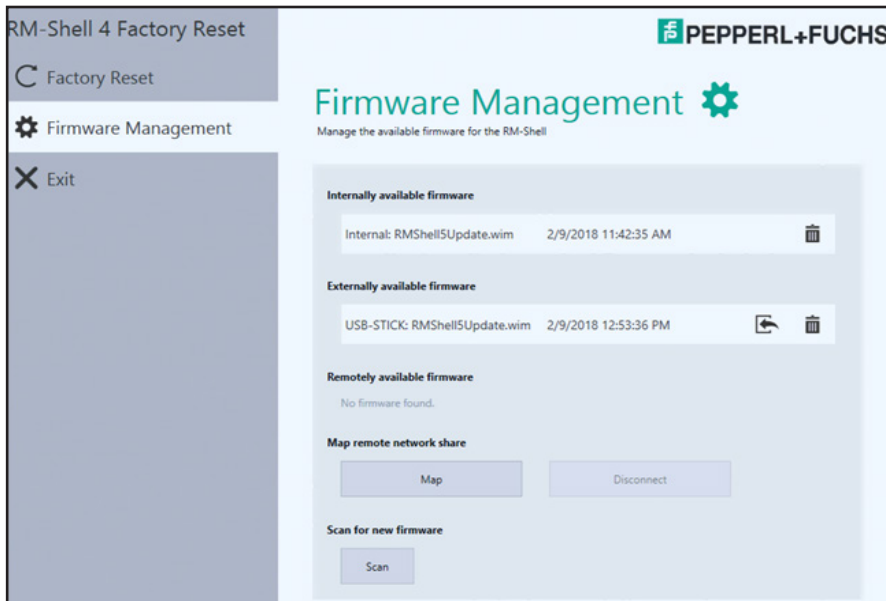
Option 2: Network Shared Folder

➤

1. Create a new folder on a local PC.
2. Right-click on the folder and select "Properties."
3. In the properties menu, go to the "Sharing" tab and click "Advanced Sharing."
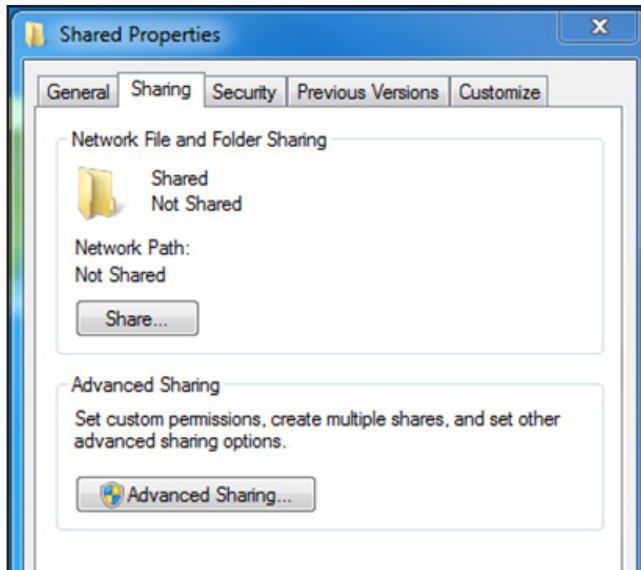
4. In the "Advanced Sharing" menu, activate the "share this folder" checkbox. You also have the option to select another name.
5. Click "Permissions" and activate all checkboxes in the "Allow" column.
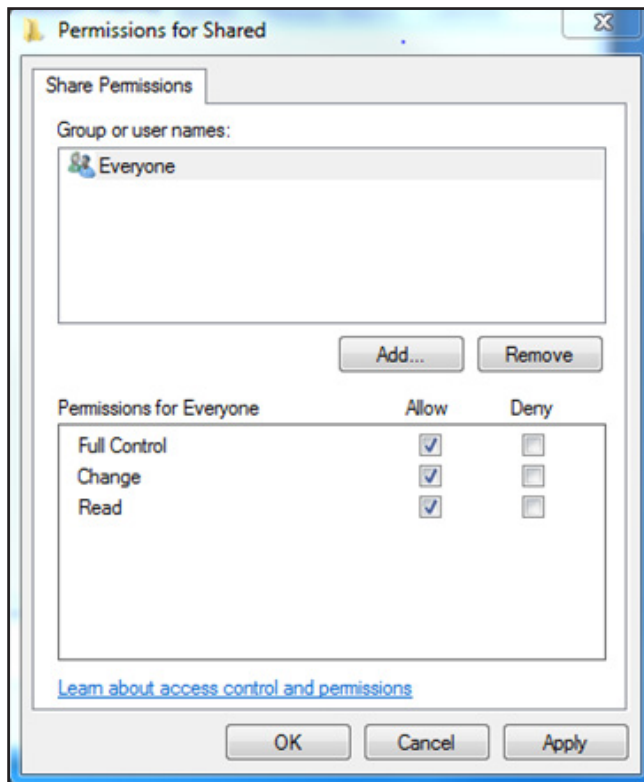
6. Copy the WIM image to the shared folder

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7. Boot into factory reset. See chapter 2.4.1.
8. Click "Map" on the firmware management page to locate the remote network share.
9. Enter the network path to your PC with the shared folder. This path consists of the IP for the device on which you created the shared folder and the name of the shared folder. You may also need to enter the local username and password that is required to log into the local PC.
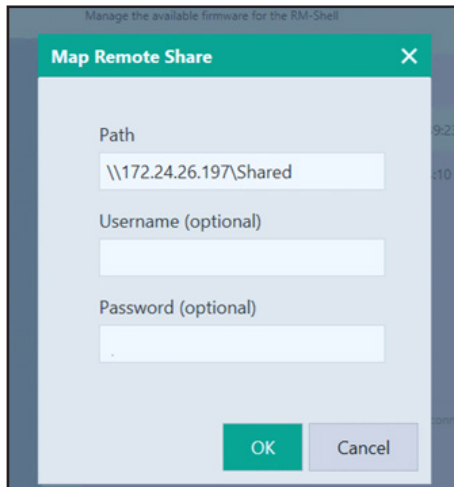
10. Click "OK." The RM Shell update file will then displayed under "Remotely available firmware."
11. Click the "Import" button to import the firmware.
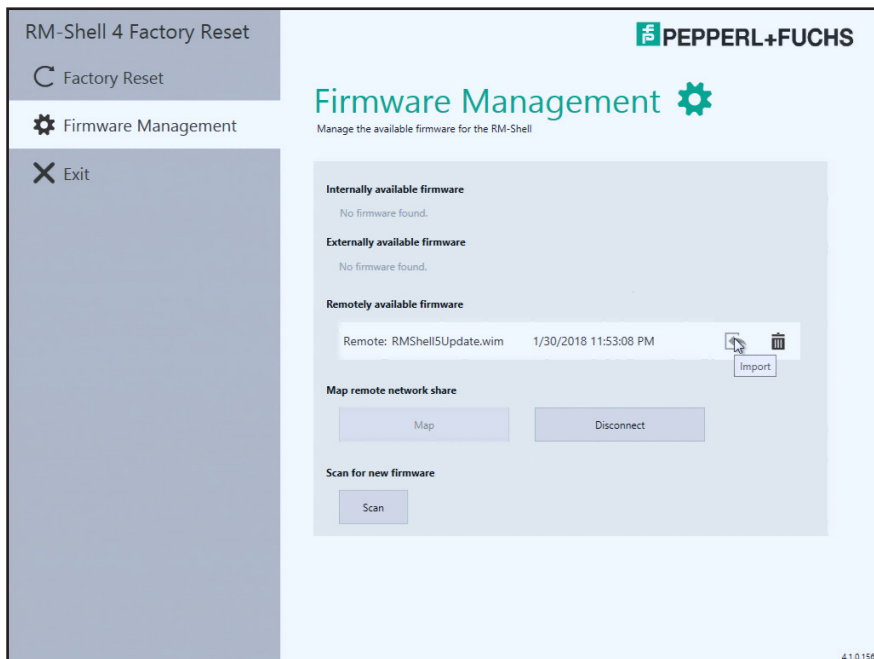
12. Once the file is copied, it will appear under "Internally available firmware."

2.4.4 Installing the Firmware

➤ Navigate to the "Factory Reset" menu and click the "install" icon.
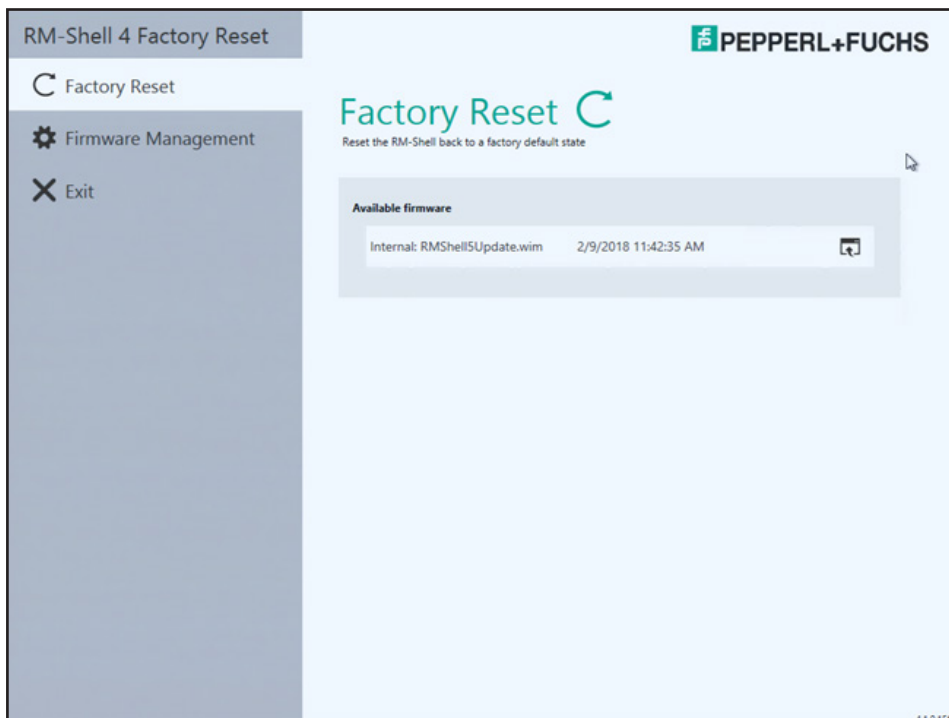
After starting the installation, the system will automatically unpack the RM Shell 5 image and flash onto the main partition.

Note!
The original RM Shell 4 installation, including all settings, will be deleted!

After unpacking the image, the system will install the files. Overall, the installation will take up to 20 minutes, depending on the hardware platform and system performance.

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3 Appendix

3.1 Pepperl+Fuchs GmbH End User License Agreement (EULA)

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11.2 The courts of Landgericht Mannheim, Germany, shall have sole jurisdiction of any controversies regarding this EULA. Any action or other proceeding which involves such a controversy shall be brought in those courts in Mannheim and not elsewhere.

12 - Severability and Inconsistencies

12.1 Should any provision of this EULA be determined to be overly broad, ambiguous or otherwise unenforceable, such provision shall be redrafted in order to narrow its scope to the extent necessary to make the provision reasonable and enforceable. If the scope of the provision cannot be narrowed to such an extent that the provision will become enforceable, such provision shall be severed from this EULA.

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12.3 In case the terms of this EULA are in conflict with the terms of Microsoft Software License terms, the terms of the latter shall prevail with regard to the Microsoft Software.

13 - Alterations

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- Inclination and Acceleration Sensors
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