BC95-D Firmware Upgrade User Guide

NB-IoT Module Series

Rev. BC95-D_Firmware_Upgrade_User_Guide_V1.0

Date: 2018-04-23

Status: Released

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About the Document

History

Revision	Date	Author	Description
1.0	2018-04-23	Janet YANG	Initial

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1 Introduction

This document mainly introduces how to use the UEUpdaterUI tool to upgrade the firmware via a main UART port for Quectel BC95-D module on Window 7 system.

2 Tool Installation

Customers need to install the "Microsoft .NET Framework" (4.5.2 version or later) on PC before using the UEUpdater tool.

2.1. Microsoft .NET Framework Installation

Step 1: Double-click the "microsoft.net framework 4.5.2.exe" to install the Microsoft .NET Framework.
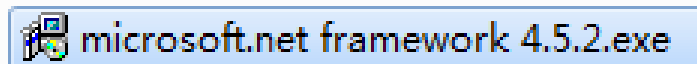

Figure 1: Microsoft .NET Framework Installation Package

Step 2: Wait until the following window shows up, and then click "**I have read and accept the license terms.**" and "**Install**" as shown below.
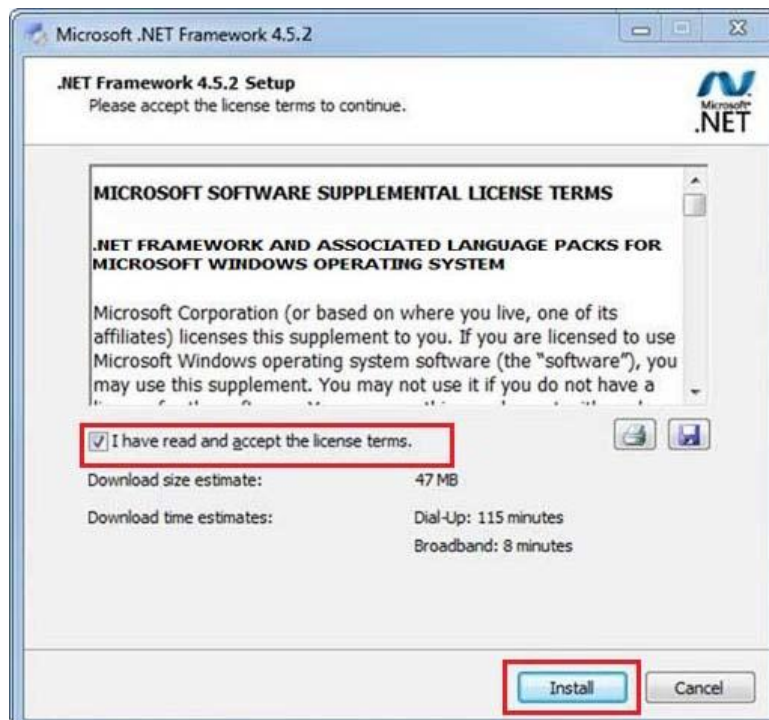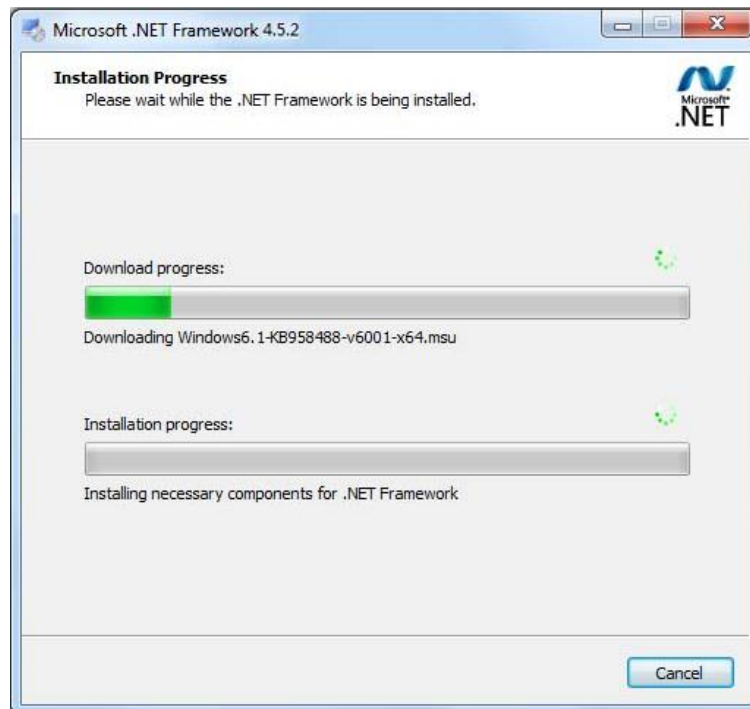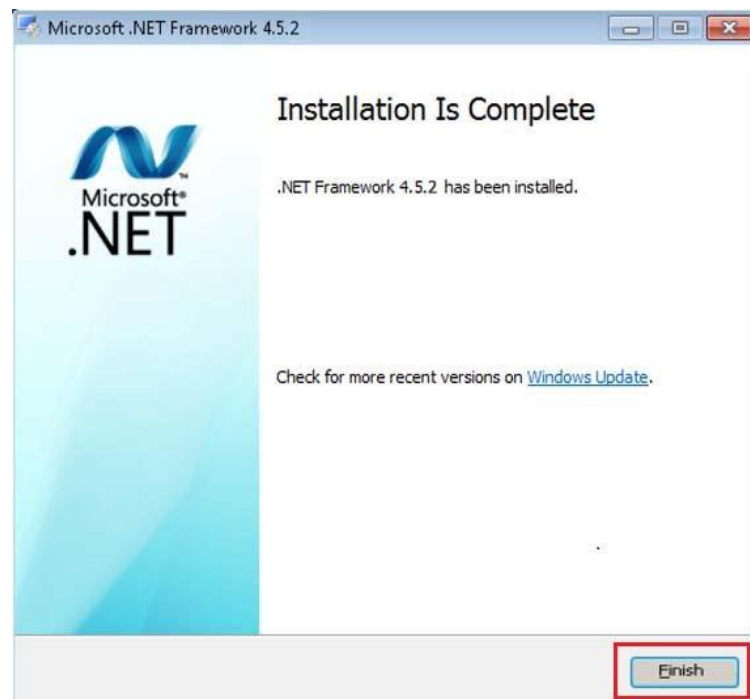

Figure 2: License Agreement for Microsoft .NET Framework Installation

Then please wait for the program to install.

Figure 3: Microsoft .NET Framework is Installing

Step 3: Click "**Finish**" to accomplish installation.

Figure 4: Microsoft .NET Framework is Successfully Installed

3 Firmware Upgrade

3.1. Firmware Upgrade via UEUpdaterUI

3.1.1. Install UEUpdaterUI

Step 1: Double-click the "UEUpdaterUI-3.17.0.13.msi" to install the UEUpdaterUI.
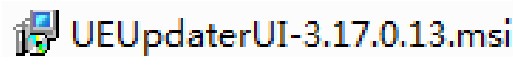

Figure 5: UEUpdaterUI Installation Package

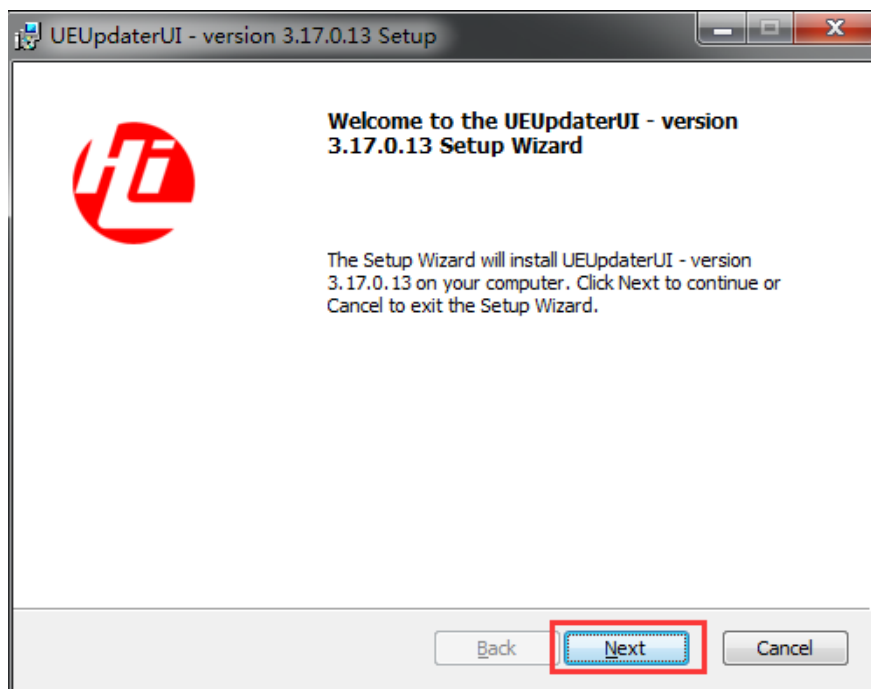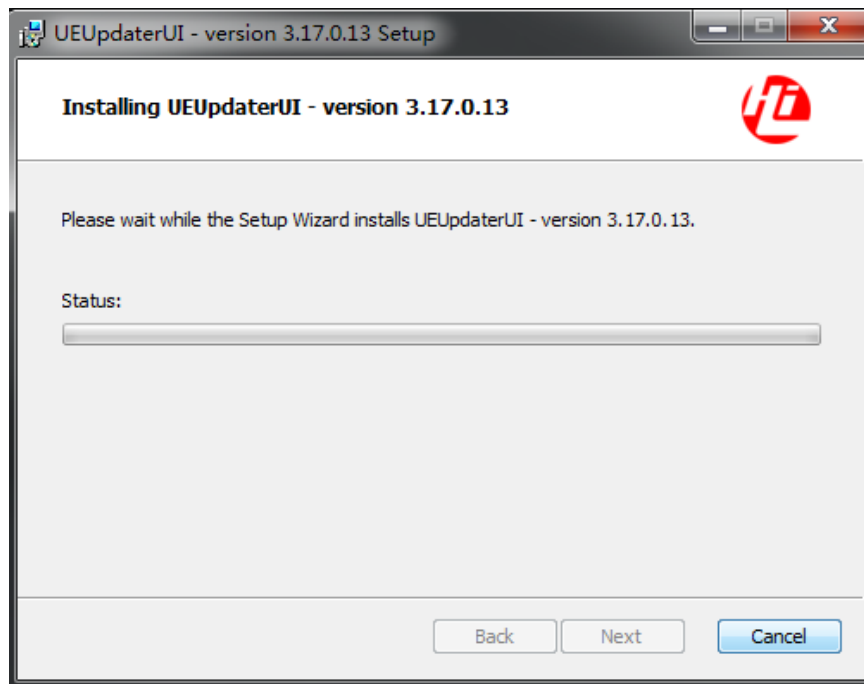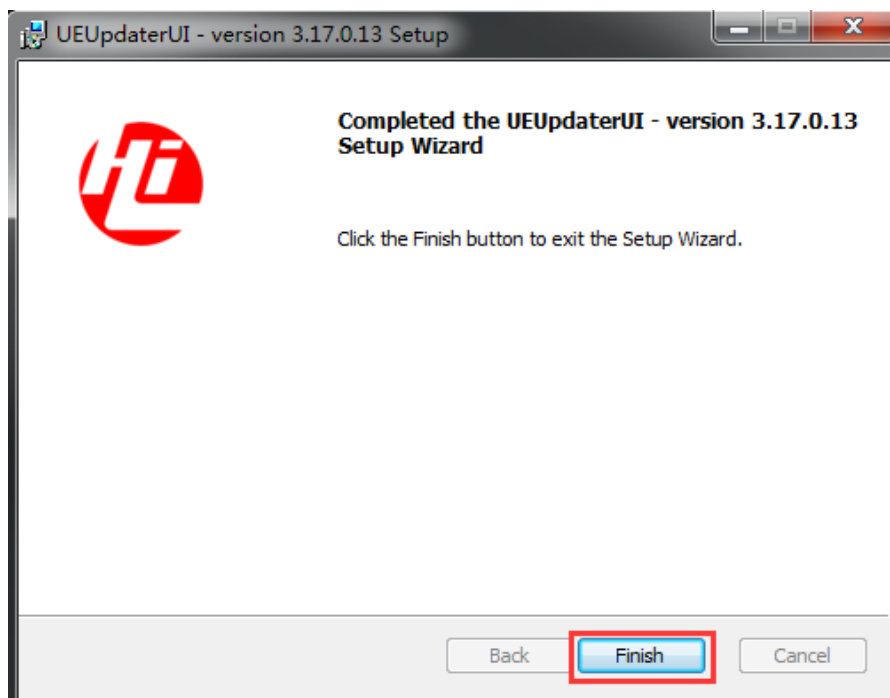**Step 2:** Wait until the following window shows up, and then click "**Next**".

Figure 6: UEUpdaterUI Setup Wizard

Then please wait for the program to install.

Figure 7: Wait while Installing UEUpdaterUI

Step 3: Click "**Finish**" to accomplish installation. A shortcut will be automatically generated on the desktop.

Figure 8: UEUpdaterUI is Successfully Installed

3.1.2. Upgrade Firmware via UEUpdaterUI

Step 1: Double-click the desktop shortcut to open the UEUpdaterUI, then the UEUpdaterUI interface will be shown as below.
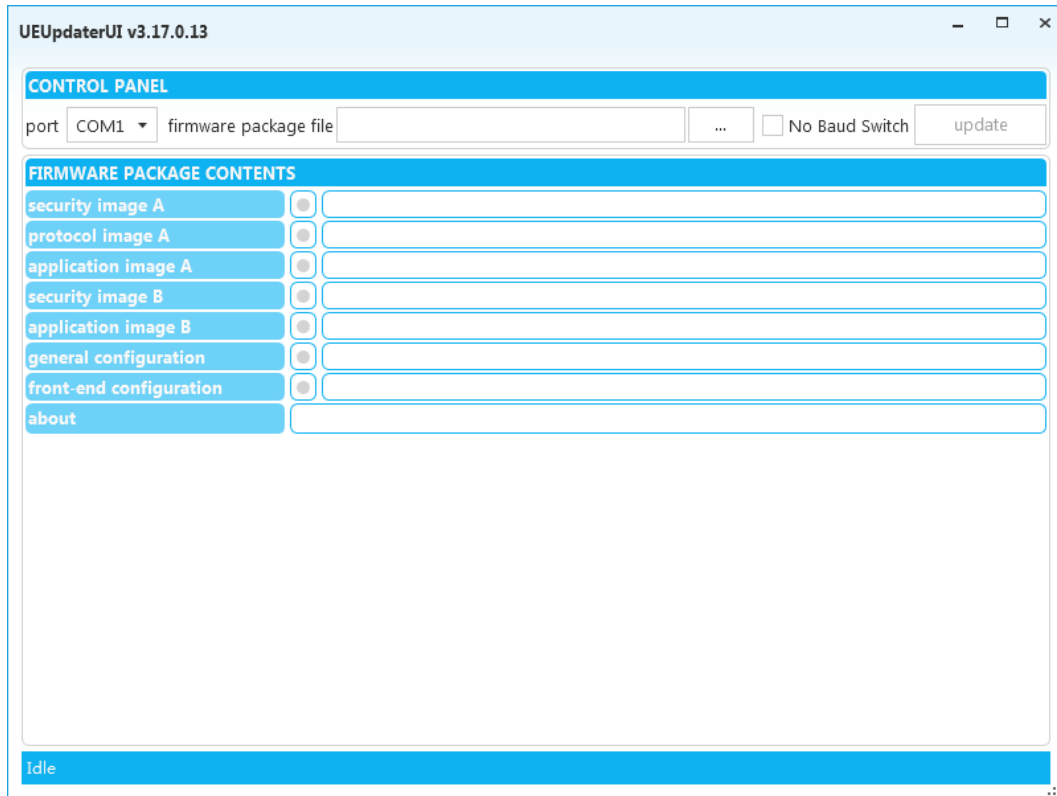

Figure 9: UEUpdaterUI Interface

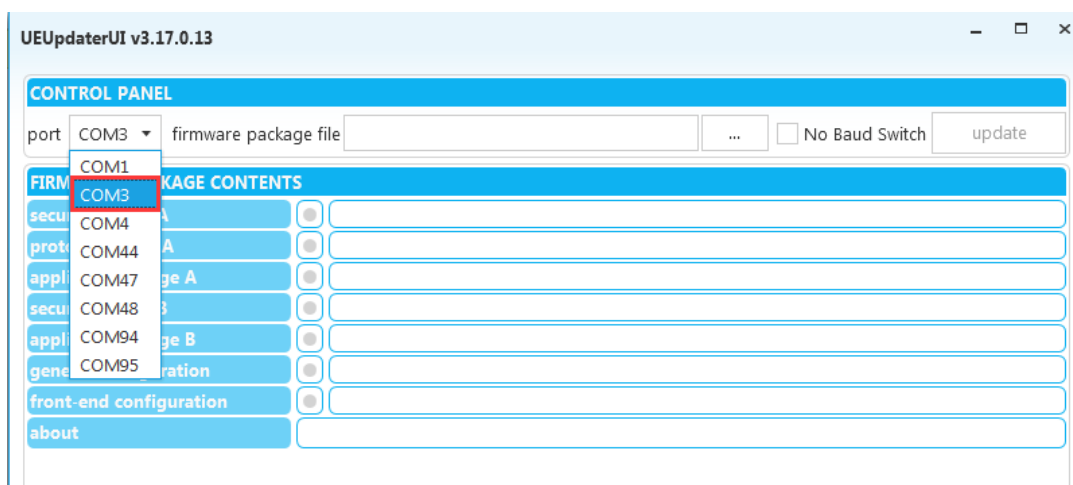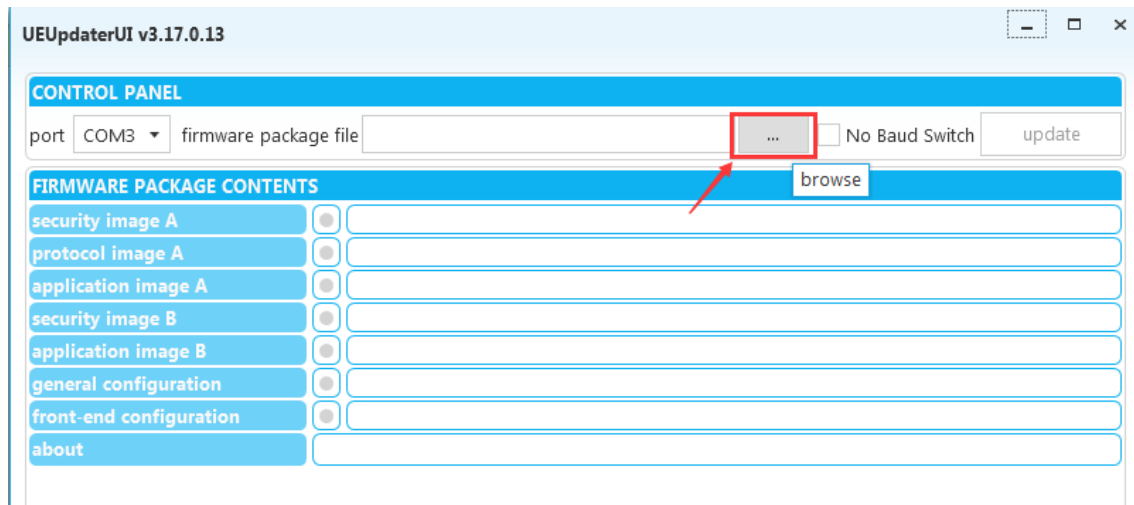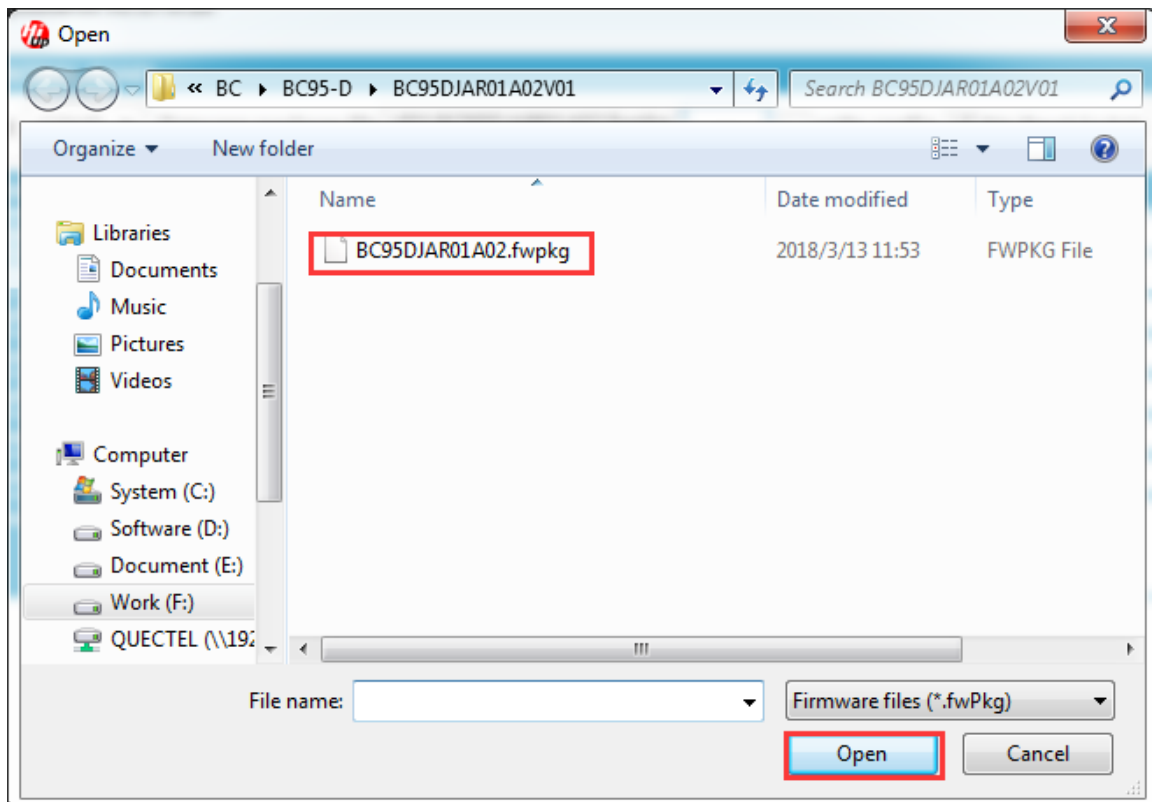**Step 2:** Select a main serial port to upgrade the firmware.

Figure 10: Select a Main Port to Upgrade

Step 3: Click the "**browse**" button to select the firmware package.

Figure 11: Click Browse to Select the Firmware Package

Step 4: Select the target firmware version in **.fwpkg** format and check the "**No Baud Switch**" option to ensure a more stable data communication. Then click the "**update**" button to start upgrading.

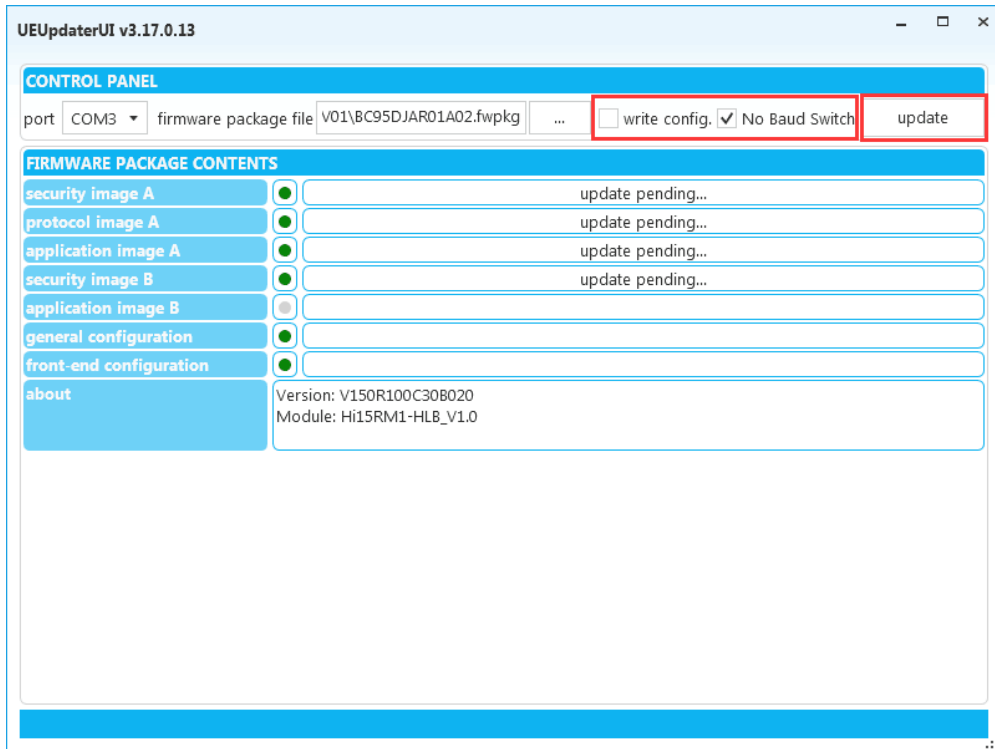**Figure 12: Select the Target Firmware Version**

Figure 13: Check the "No Baud Switch" and Start Updating

Step 5: When "**Waiting for UE to reboot to establish communication…**" shows up, press "**Reset**" button on the module, or power off the module and then power on to restart the module.
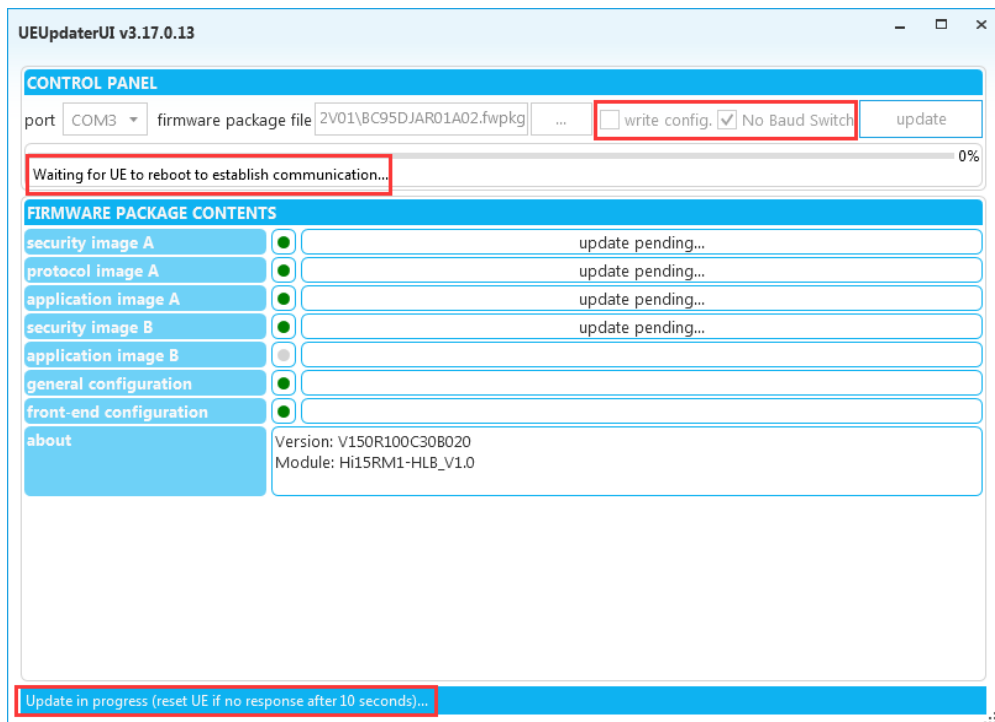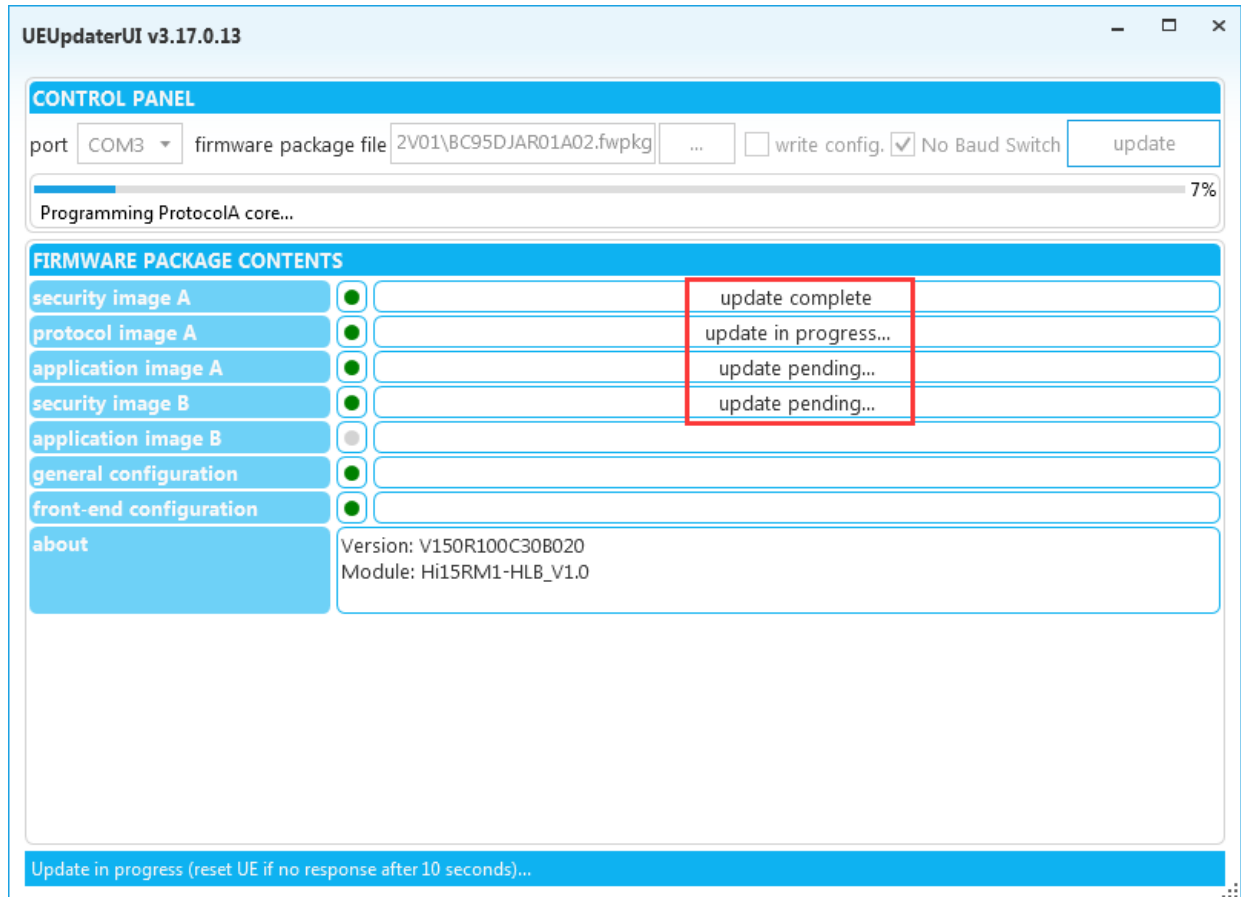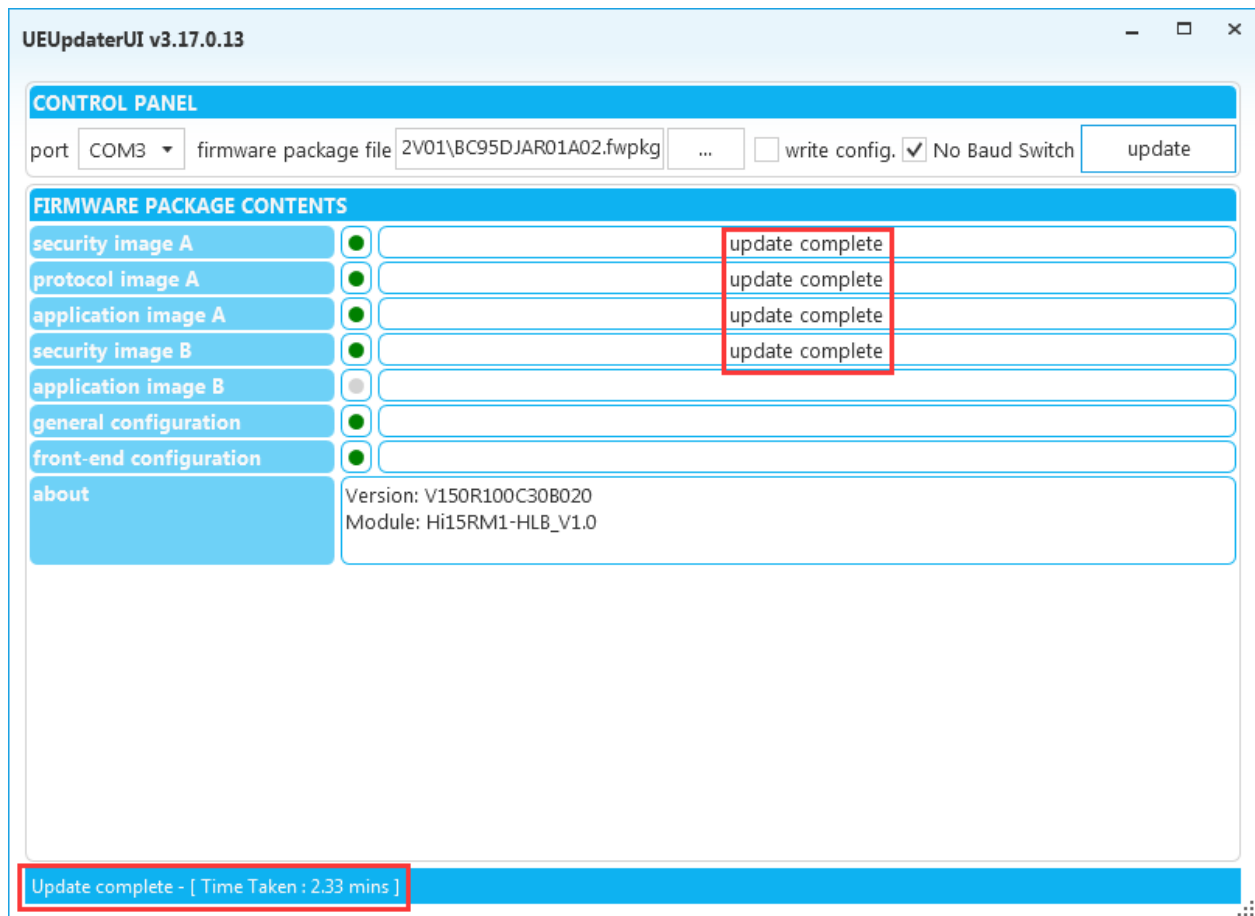

Figure 14: Reboot the Module

> **NOTE**
>
> Please reboot the module within 10 seconds, otherwise the UEUpdateUI will be disconnected with the main port.

Step 6: After rebooting the module, it starts upgrading the firmware. Please wait during the process.

Figure 15: Upgrading Process

Step 7: When all "**update pending…**" status changes to "**update complete**" or "**already loaded**", the firmware is upgraded completely.

Figure 16: Firmware is Completely Upgraded

Step 8: Reboot the module and query the firmware version by AT command **ATI**. If the target version is returned, then the firmware is successfully upgraded.