

BC95 UE Log Viewer

User Guide

NB-IoT Module Series

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About the Document

History

Revision	Date	Author	Description
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Contents

About the Document.....	2
Contents	3
Figure Index	4
1 Introduction	5
2 Tool Installation.....	6
2.1. Microsoft .NET Framework Installation	6
2.2. Microsoft Visual C++ 2015 Redistributable (x86) Installation	8
2.3. UE Log Viewer Installation	9
3 Use the Tool to View Log	14

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Figure Index

FIGURE 1: MICROSOFT .NET FRAMEWORK INSTALLATION PACKAGE	6
FIGURE 2: LICENSE AGREEMENT FOR MICROSOFT .NET FRAMEWORK INSTALLATION	6
FIGURE 3: MICROSOFT .NET FRAMEWORK IS INSTALLING	7
FIGURE 4: MICROSOFT .NET FRAMEWORK SUCCESSFULLY INSTALLED	7
FIGURE 5: INSTALLATION PACKAGE OF MICROSOFT VISUAL C++ 2015 REDISTRIBUTABLE (X86)	8
FIGURE 6: LICENSE AGREEMENT FOR MICROSOFT VISUAL C++ 2015 REDISTRIBUTABLE (X86) INSTALLATION.....	8
FIGURE 7: MICROSOFT VISUAL C++ 2015 REDISTRIBUTABLE (X86) IS INSTALLING.....	8
FIGURE 8: MICROSOFT VISUAL C++ 2015 REDISTRIBUTABLE (X86) SUCCESSFULLY INSTALLED	9
FIGURE 9: UE LOG VIEWER SETUP INTERFACE	9
FIGURE 10: INSTALLATION PATH AND TOOL USER SELECTION	10
FIGURE 11: CONFIRM INSTALLATION	10
FIGURE 12: INSTALLING UE LOG VIEWER	11
FIGURE 13: INSTALLATION COMPLETED	11
FIGURE 14: UE LOG VIEWER DESKTOP ICON	12
FIGURE 15: "COULD NOT FIND MESSAGES.XML" ERROR	12
FIGURE 16: MESSAGES.XML UNDER EVK FOLDER.....	13
FIGURE 17: INTERFACE OF UE LOG VIEWER.....	14
FIGURE 18: SELECT SERIAL PORT	14
FIGURE 19: DEFAULT BAUD RATE.....	15
FIGURE 20: PROTOCOL.BIN FILE	15
FIGURE 21: LOG INFORMATION AND SAVED PATH AFTER CONNECTION.....	15

1 Introduction

This document mainly introduces how to use UE Log Viewer tool to view log via debug port for Quectel BC95 module.

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2 Tool Installation

Customers need to install “Microsoft .NET Framework” (4.5 version or later) and “Microsoft Visual C++ 2015 Redistributable (x86)” on PC before installing the UE Log Viewer.

2.1. Microsoft .NET Framework Installation

1. Double-click *microsoft.net framework 4.5.exe* to install Microsoft .NET Framework.



Figure 1: Microsoft .NET Framework Installation Package

2. Wait until the following window comes up, and then click “**I have read and accept the license terms**” and “**Install**” as shown below.

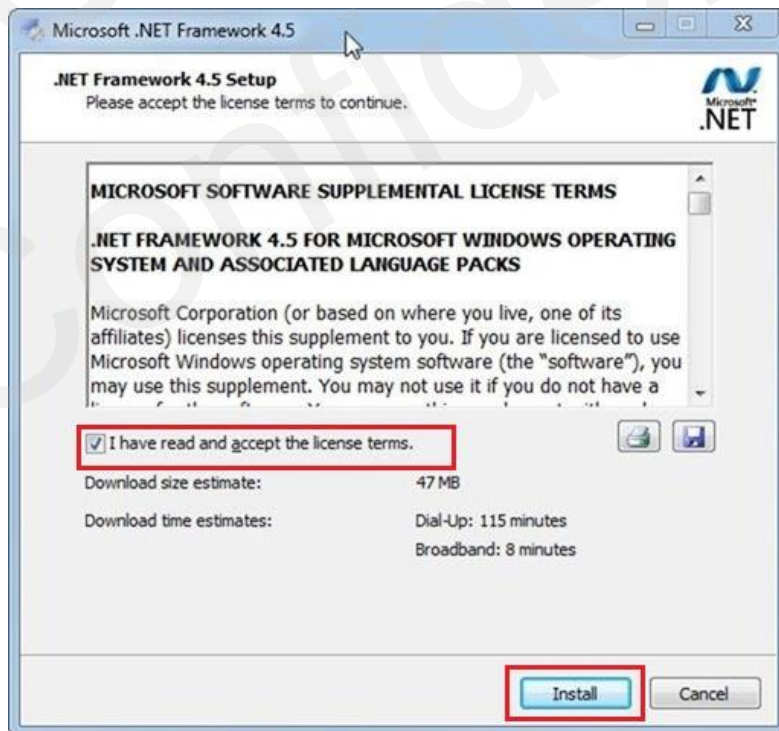


Figure 2: License Agreement for Microsoft .NET Framework Installation

- Please wait for the program to install.

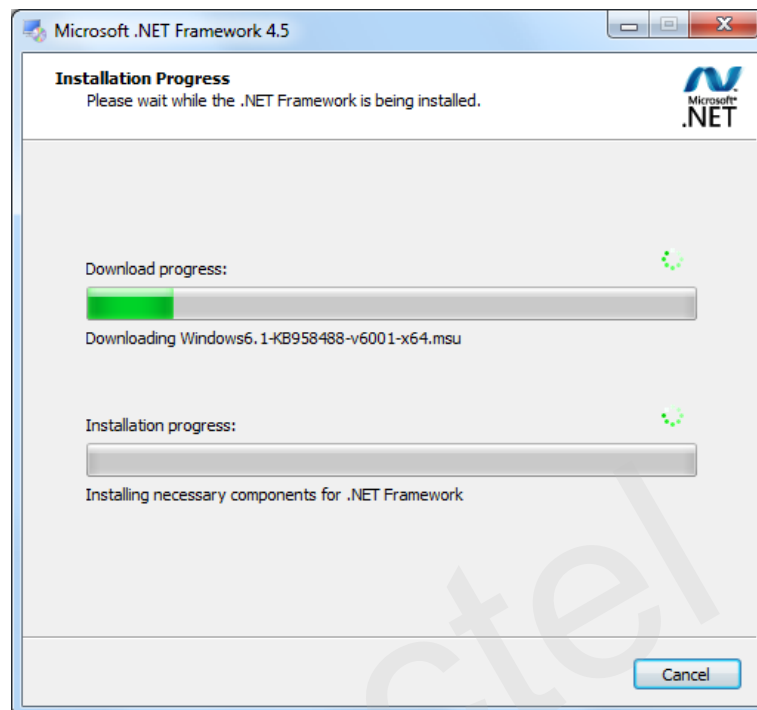


Figure 3: Microsoft .NET Framework is Installing

- Click “**Finish**” to accomplish installation.

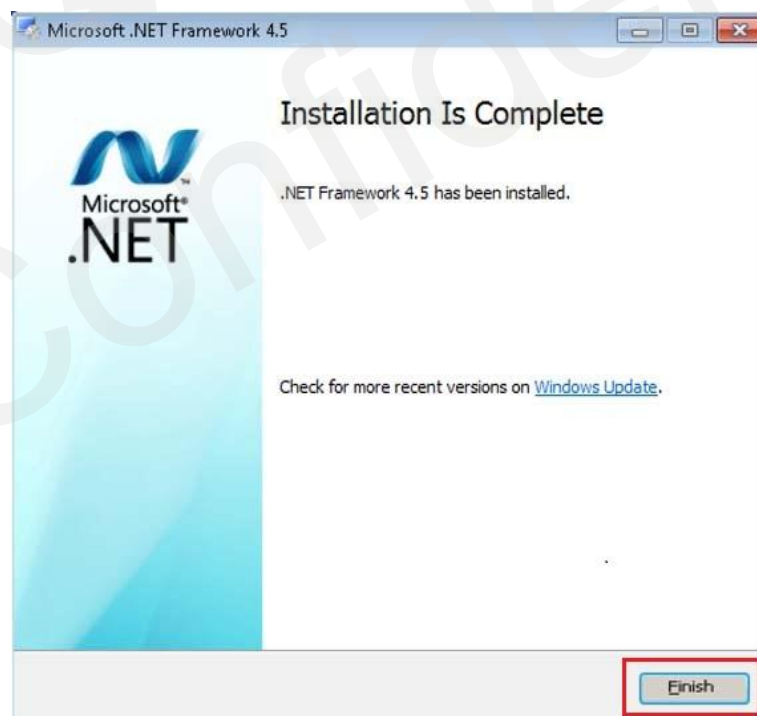


Figure 4: Microsoft .NET Framework Successfully Installed

2.2. Microsoft Visual C++ 2015 Redistributable (x86) Installation

1. Double-click `vc_redist.x86.exe` to install Microsoft Visual C++ 2015 Redistributable (x86).

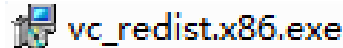


Figure 5: Installation Package of Microsoft Visual C++ 2015 Redistributable (x86)

2. Wait until the following window comes up, and then click “**I Agree to the license terms and conditions**” and “**Install**” as shown below.

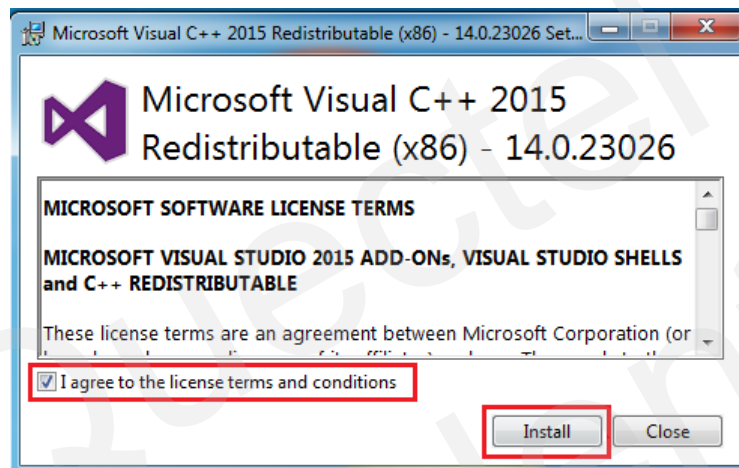


Figure 6: License Agreement for Microsoft Visual C++ 2015 Redistributable (x86) Installation

3. Please wait for the program to install.

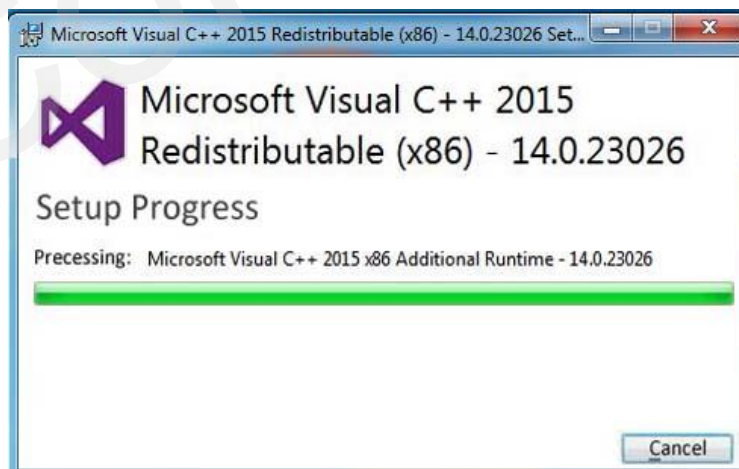


Figure 7: Microsoft Visual C++ 2015 Redistributable (x86) is Installing

4. Click **“Close”** to accomplish installation.

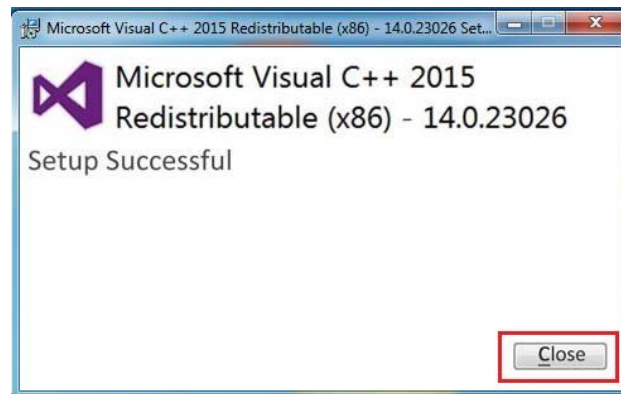


Figure 8: Microsoft Visual C++ 2015 Redistributable (x86) Successfully Installed

2.3. UE Log Viewer Installation

- Step 1:** Double-click the installation package, and then the installation interface shown as below will pop up. Click **“Next”**.

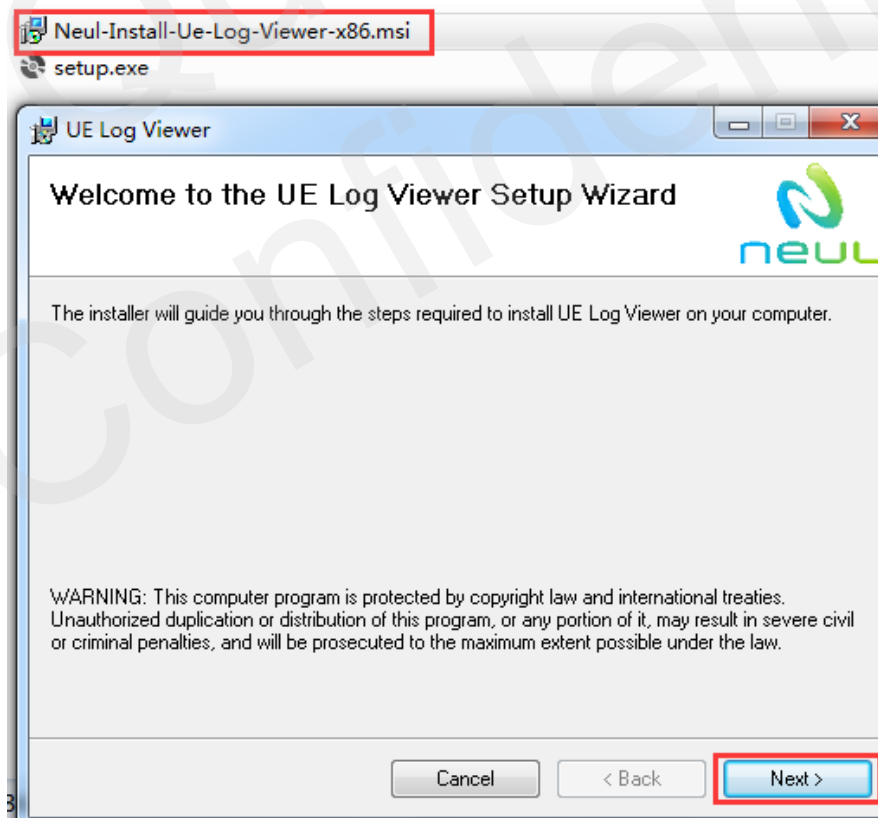


Figure 9: UE Log Viewer Setup Interface

Step 2: Select the installation path and user. Then click “Next”.

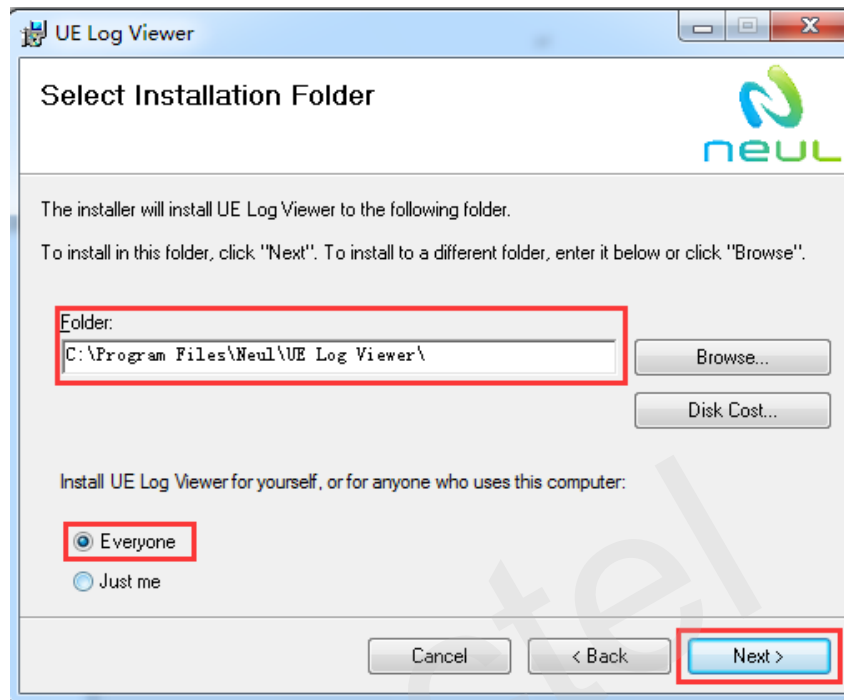


Figure 10: Installation Path and Tool User Selection

Step 3: Click “Next” to start the installation.

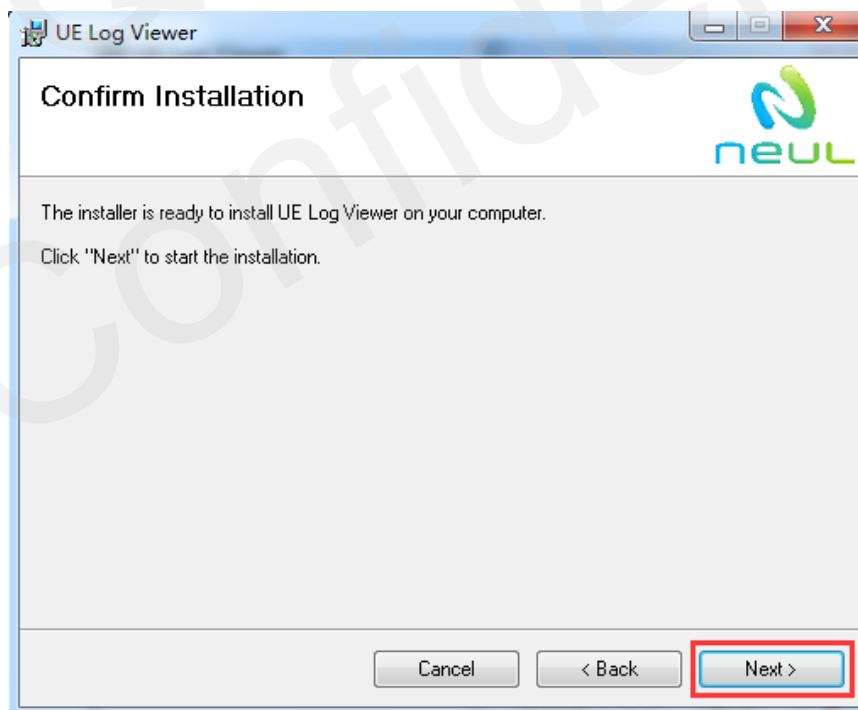


Figure 11: Confirm Installation

Step 4: Please wait during the installation.

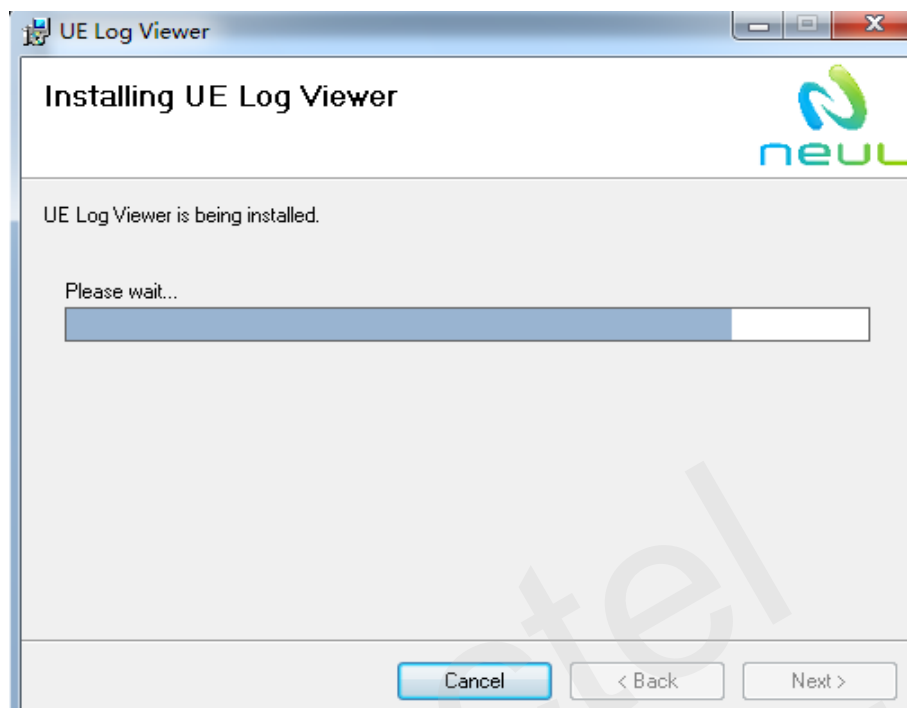


Figure 12: Installing UE Log Viewer

Step 5: Click “Close” to finish the installation.

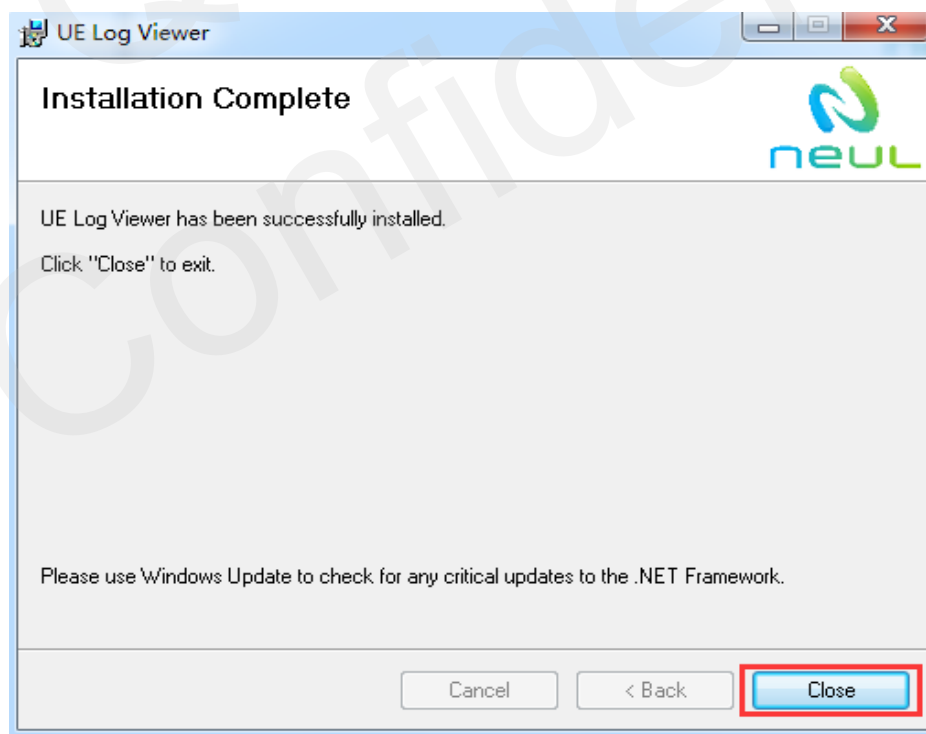


Figure 13: Installation Completed

Step 6: After installation, the following icon will be shown on the desktop.

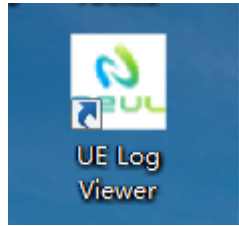


Figure 14: UE Log Viewer Desktop Icon

Step 7: Double-click the icon to open the tool. There will be an error shown as below, because of the lack of the *messages.xml*.

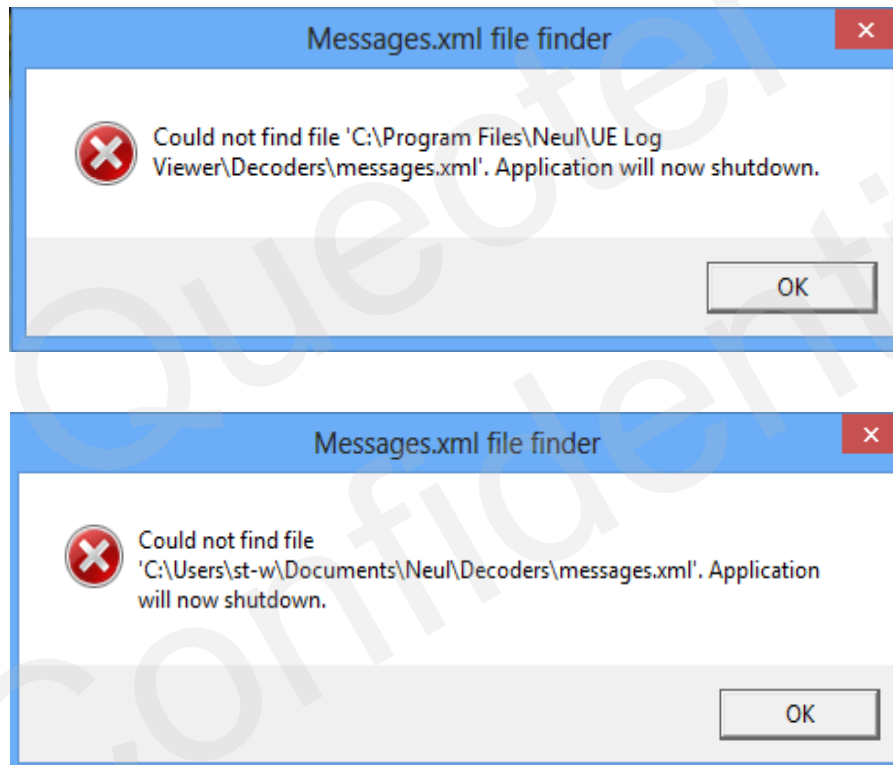


Figure 15: “Could not Find Messages.xml” Error

Step 8: If you are using a firmware version prior to V100R100C10B650SP8, and a tool version prior to V2.14.0.30846, please copy the *messages.xml*, which is available under the *evk* folder in the installation package, to *C:\Program Files\Neul\UE Log Viewer\Decoders* directory. If the firmware version is V100R100C10B650SP8 or later, and the tool version is V2.14.0.30846 or later, please copy the *messages.xml*, which is available under the *evk* folder in the installation package, to the *C:\Users\xxxx\Documents\Neul\Decoders* directory. Then the tool can be opened successfully.



NB-IOT-B650SP5_EVK ▸ evk		▼ ↺
Name	Date modified	
 messages	12/9/2016 8:48 PM	
 protocol.bin	12/9/2016 8:47 PM	

Figure 16: messages.xml under evk Folder

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3 Use the Tool to View Log

This chapter mainly introduces how to use the UE Log Viewer tool to view log.

Step 1: Open the tool, and then you will enter the tool interface shown as below.

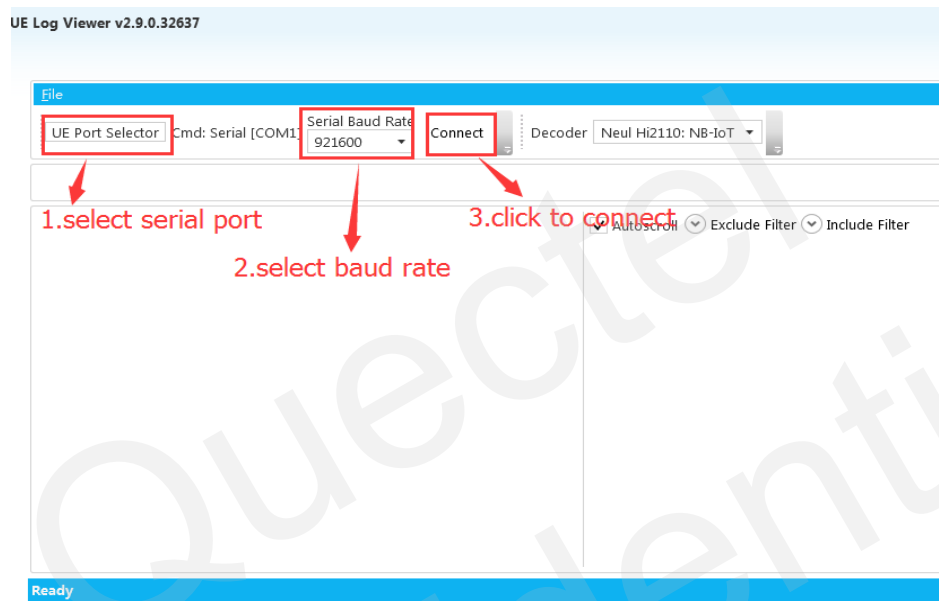


Figure 17: Interface of UE Log Viewer

Step 2: Select the serial port through the drop-down list of “UE Port Selector”. “Dbg” stands for the debug port.

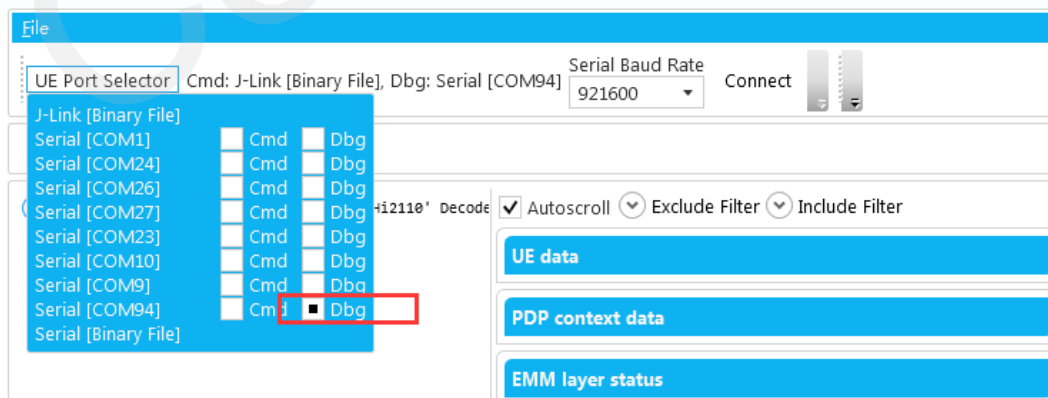


Figure 18: Select Serial Port

Step 3: The default baud rate is 921600. Please note that the log can be seen only at this baud rate.

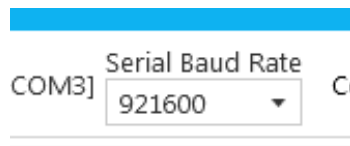


Figure 19: Default Baud Rate

Step 4: Click “Connect” pop-up dialog box, select the *protocol.bin* file in *evk* folder, and then you will be able to watch the log information, and the log will be automatically saved in the following path. Please note that the module should be powered on before connection.



Figure 20: protocol.bin File

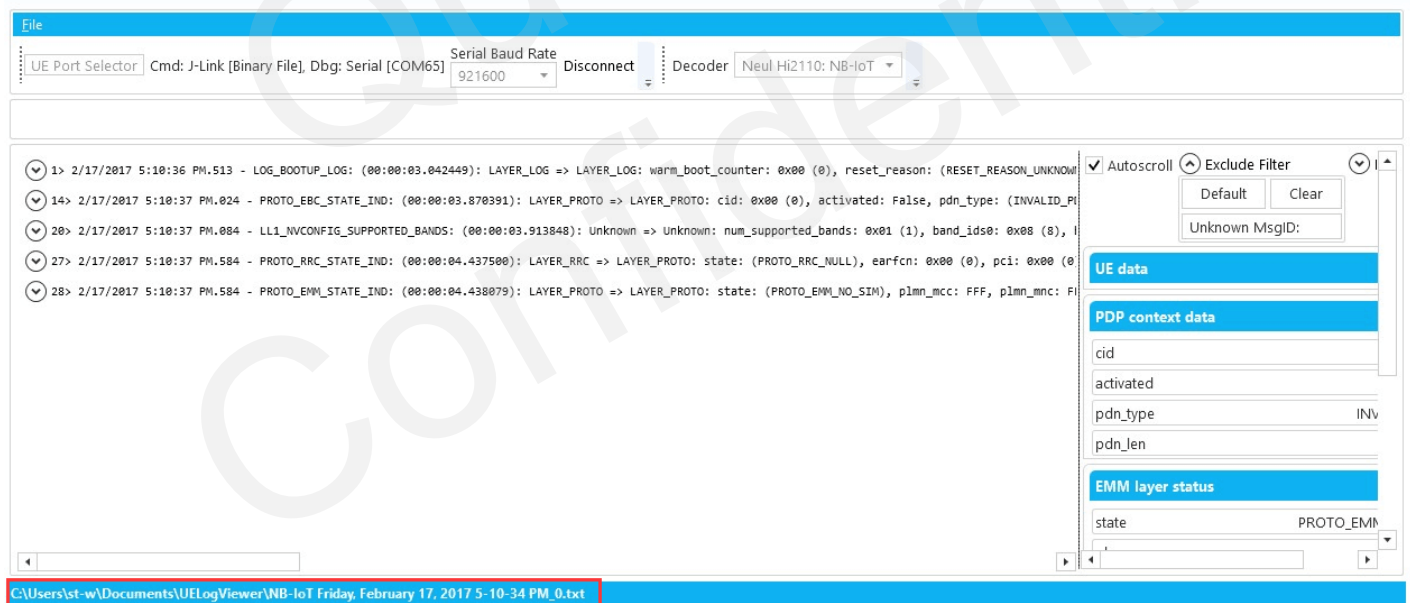


Figure 21: Log Information and Saved Path after Connection