

# N21 Software Upgrade Guide

Issue 1.0

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Neoway Technical Document



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## Notice

This document provides guide for users to use N21.

This document is intended for system engineers (SEs), development engineers, and test engineers.

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# About This Document

## Scope

This document is applicable to N21 series.




## Audience

This document is intended for [system engineers \(SEs\)](#), [development engineers](#), and [test engineers](#).

## Change History

Issue	Date	Change	Changed By
1.0	2018-06	Initial draft	Cenny Xiao

## Conventions

Symbol	Indication
 Warning	This warning symbol means danger. You are in a situation that could cause fatal device damage or even bodily damage.
 Caution	Means reader be careful. In this situation, you might perform an action that could result in module or product damages.
 Note	Means note or tips for readers to use the module

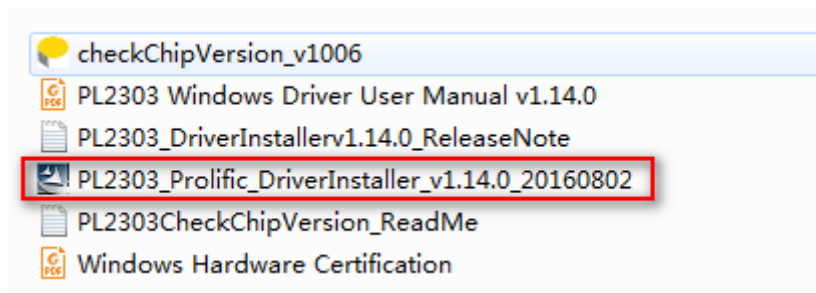
# 1 Tools/Materials

- USB-to-UART board and driver
- N21 EVB or N21 module
- Cooltools upgrade tool
- N21 software version

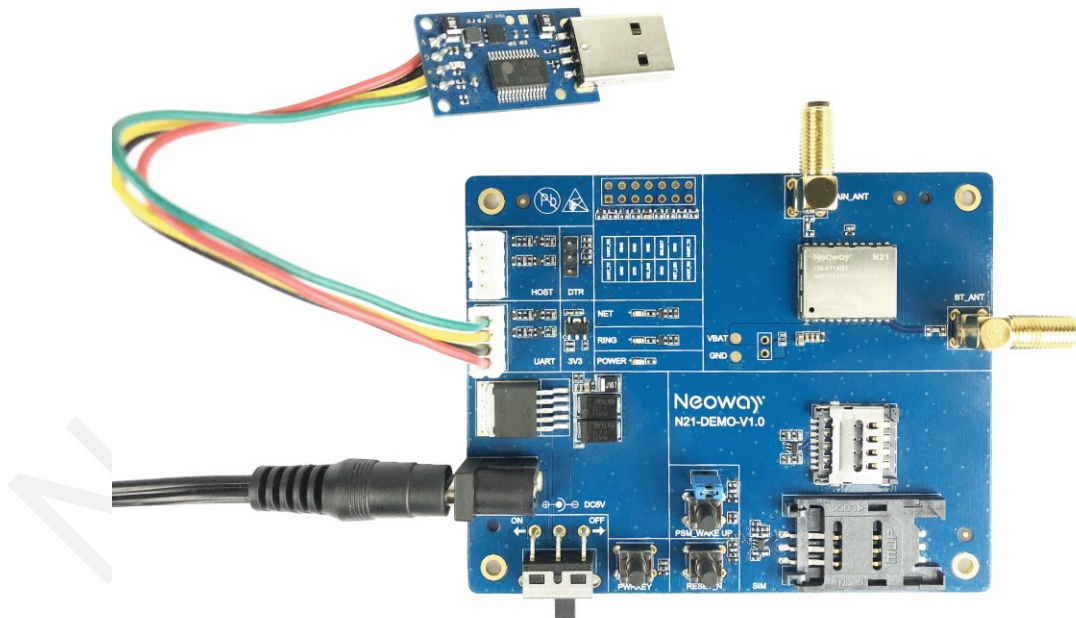
## 2 Upgrade

### 2.1 Environment Setup

**Step 1:** Install PL2303 driver based on the configurations of your computer.



**Step 2:** Connect the USB-to-UART board to the HOST port of N21 EVB. Press the PWRKEY button to start the module.



Note

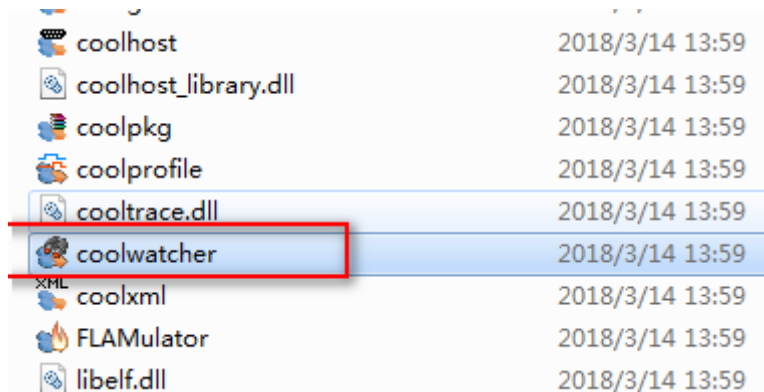
The HOST port consists of pin 15 and pin 16.

To upgrade N21 module, jump the power supply and control pins and HOST pins.

## 2.2 Upgrade Process

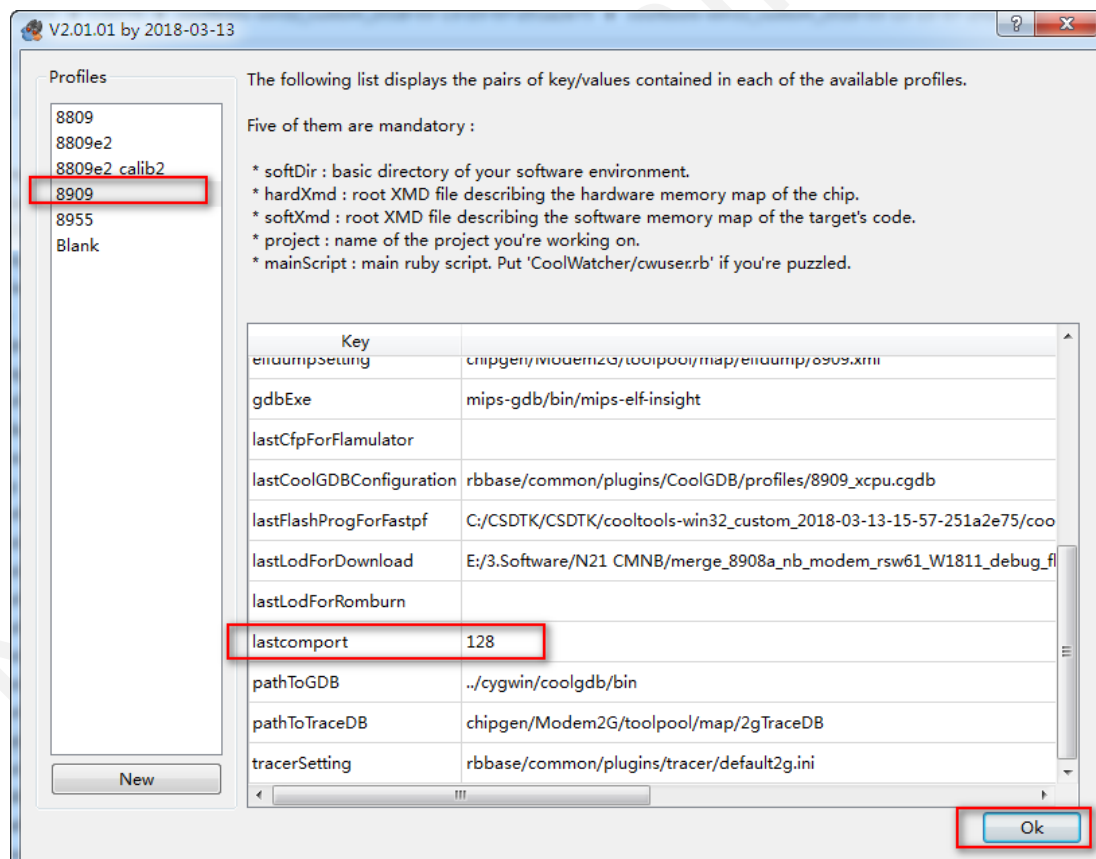
**Step 1:** Run **coolwatcher.exe** in the Cooltools package.

Current version: cooltools-win32\_custom\_2018-03-13-15-57-251a2e75



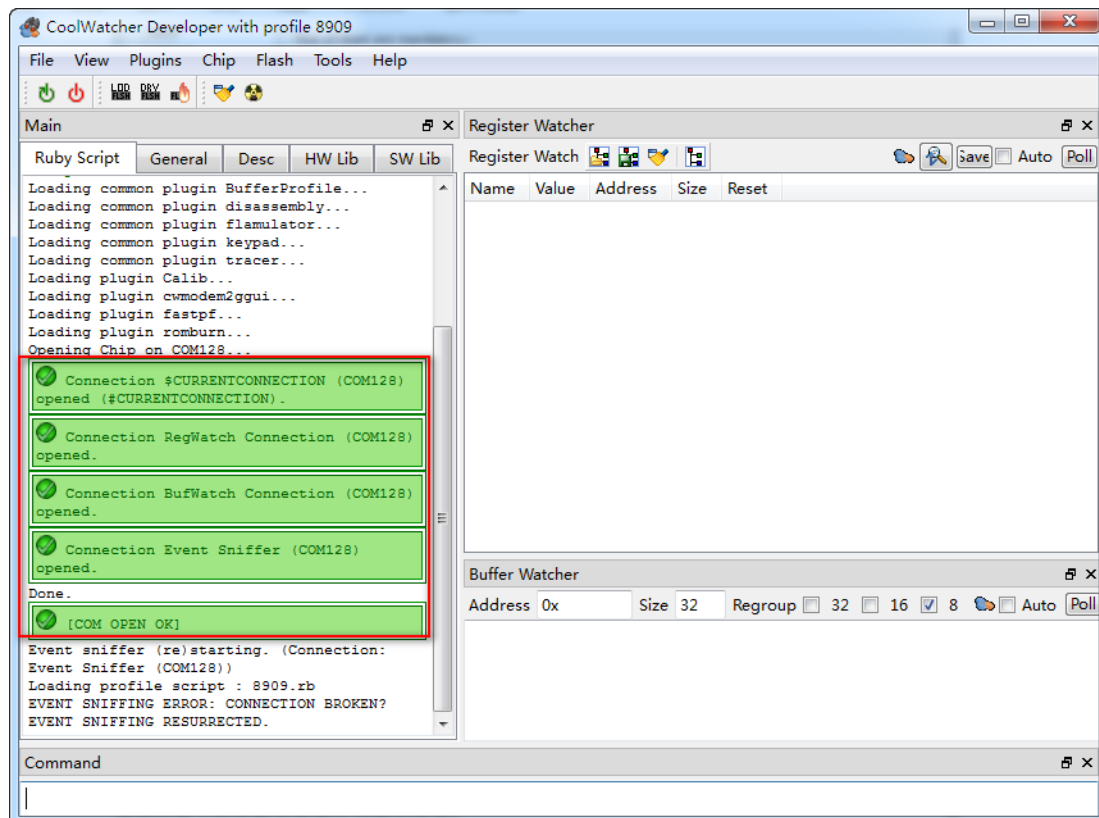
**Step 2:** Select the platform 8909 and COM port, and click **OK**.

If no COM port is displayed, check if the USB-to-UART driver is installed successfully.

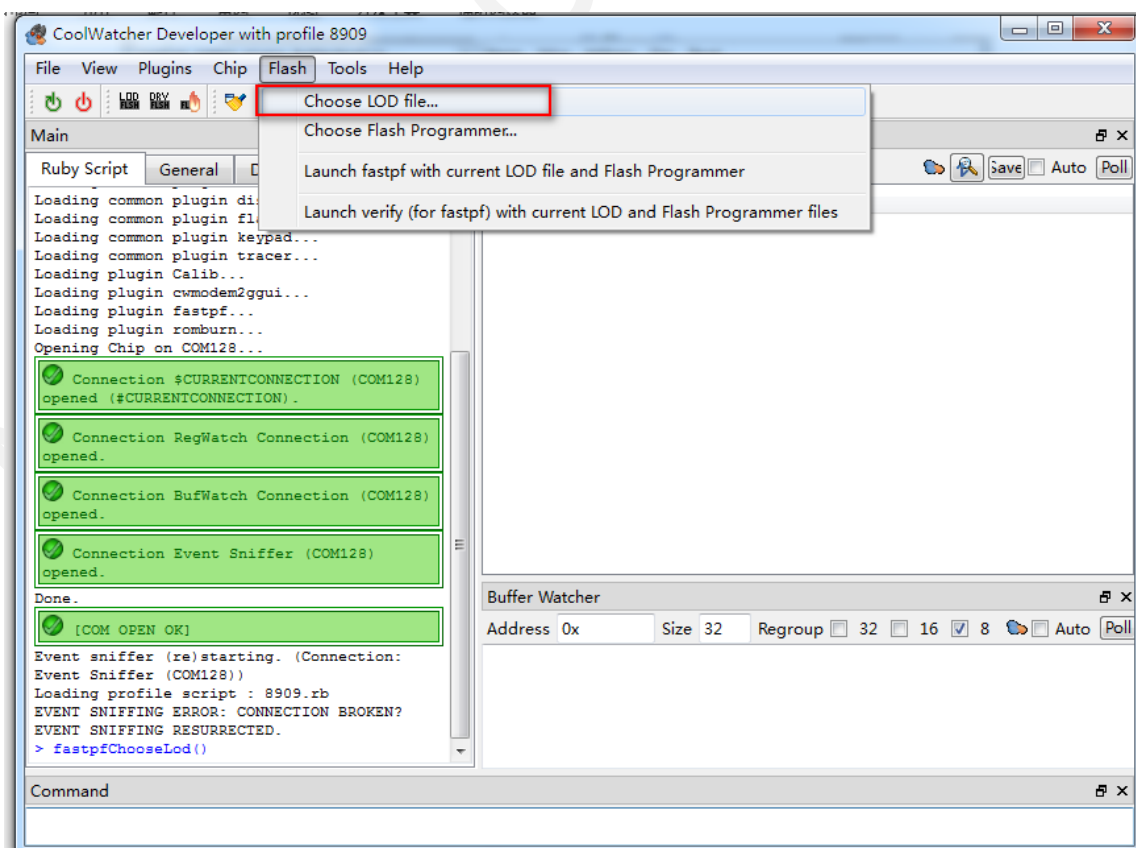


Prolific USB-to-Serial Comm Port (COM128)

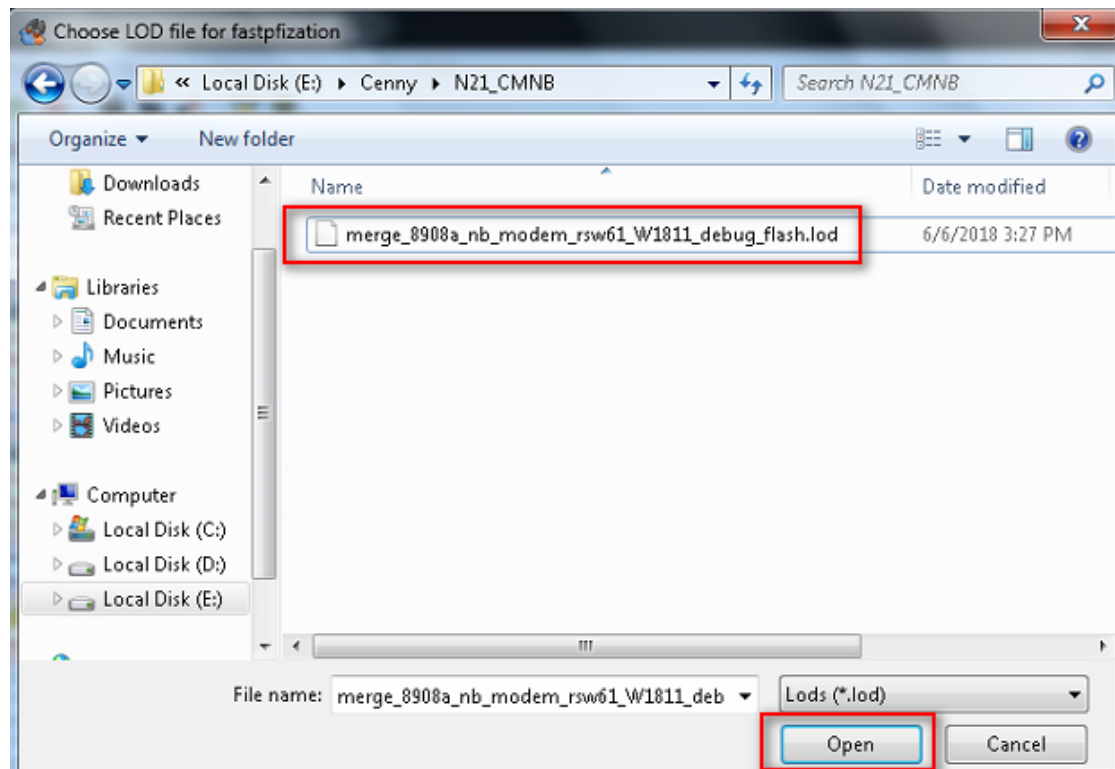
If the Ruby Script tab in the left pane displays **[COM OPEN OK]**, the HOST port is enabled successfully.



**Step 3:** Choose **Flash>Choose LOD file** from the main menu to select the desired LOD file.

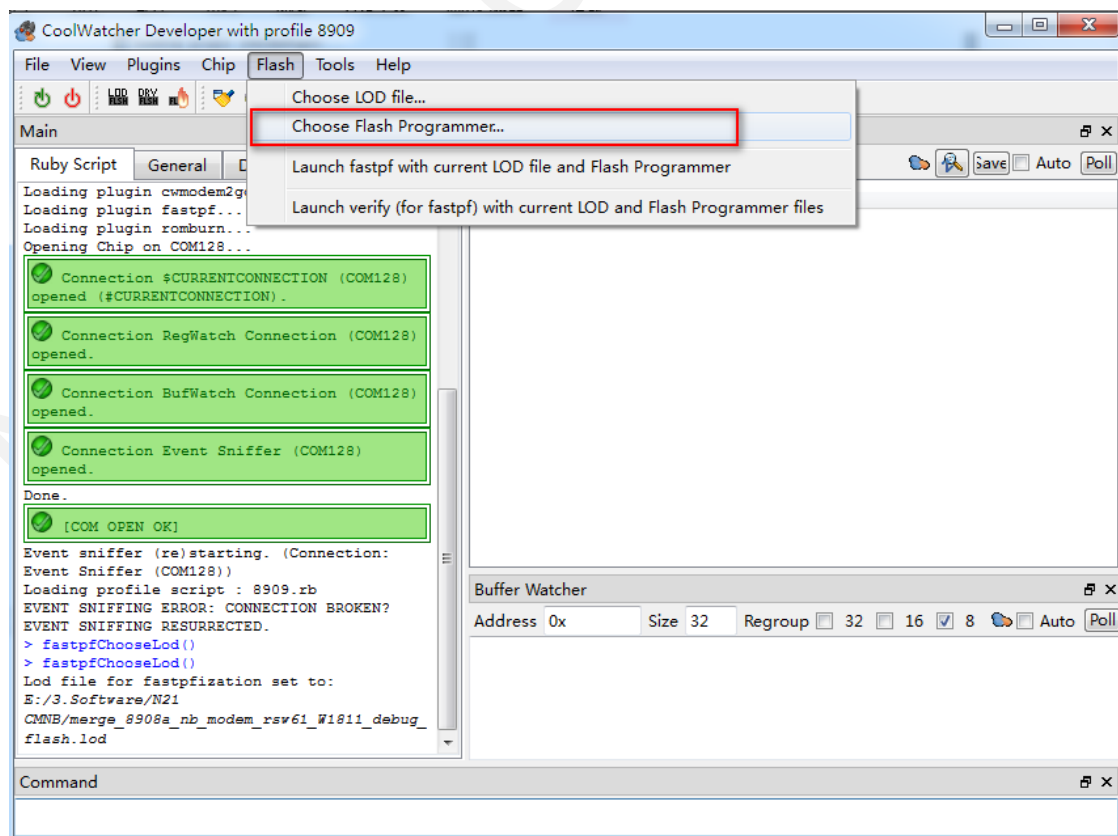


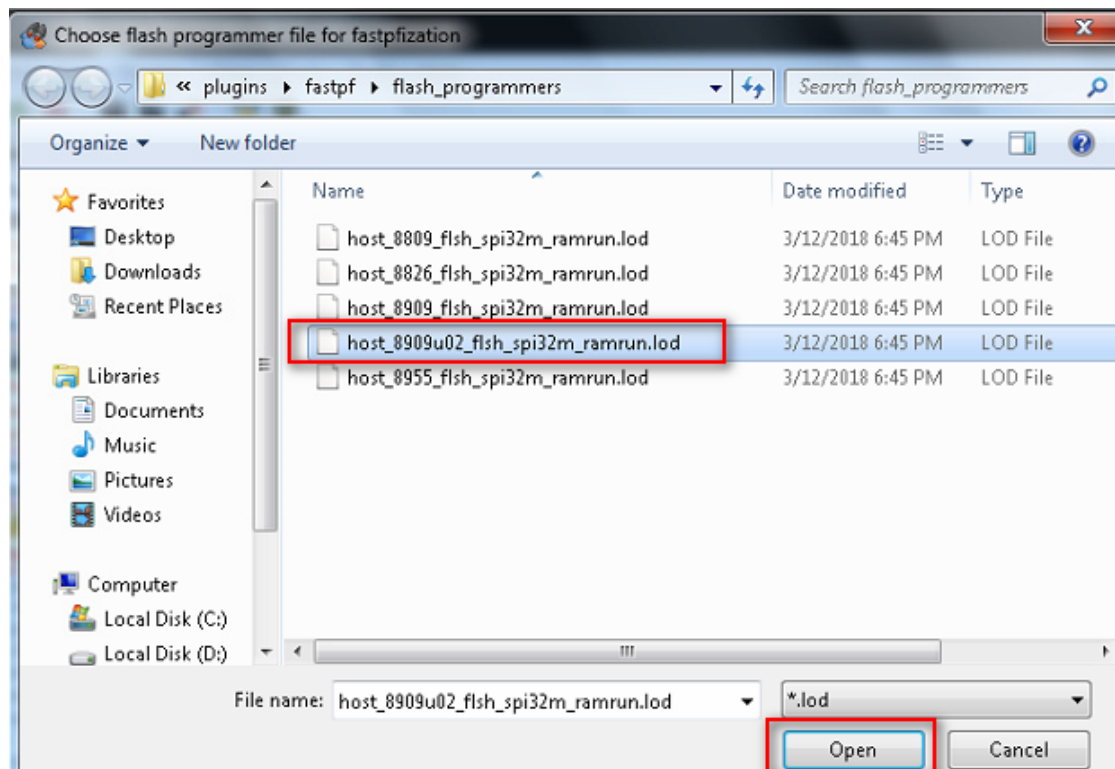




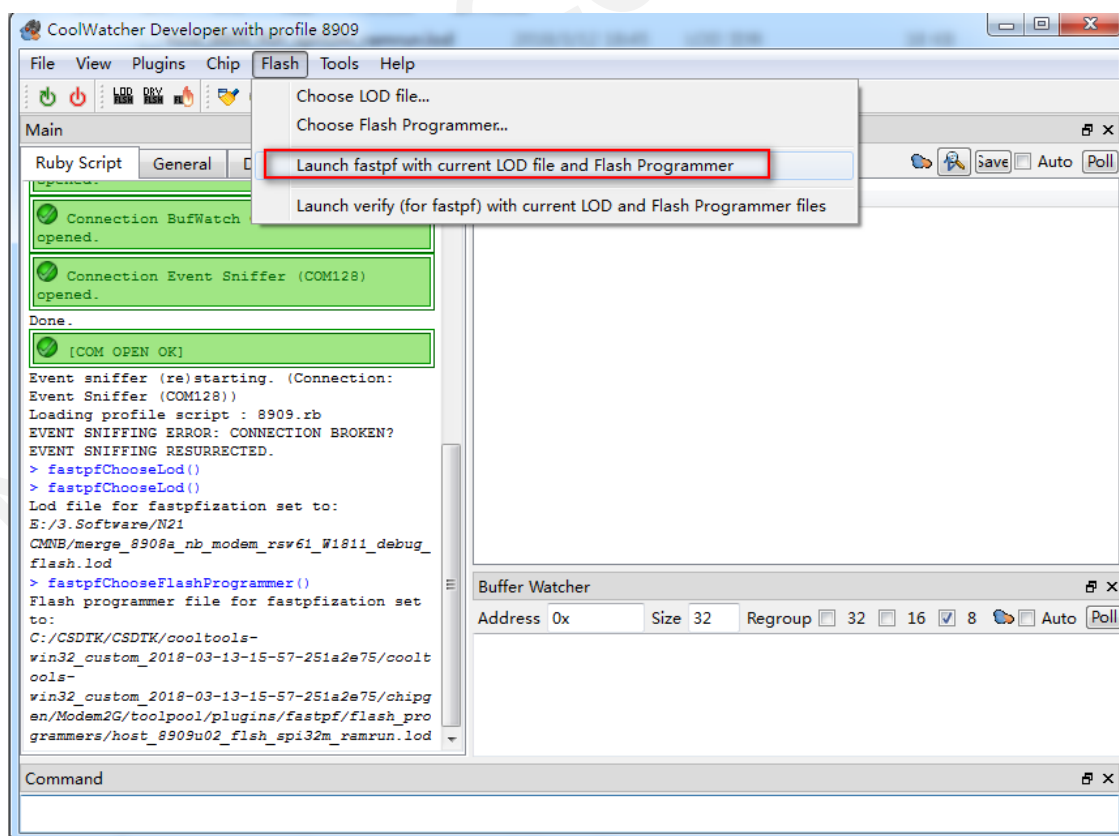
**Step 4:** Choose **Flash>Choose Flash Programmer** from the main menu to select the \*\_ramrun.lod configuration file.

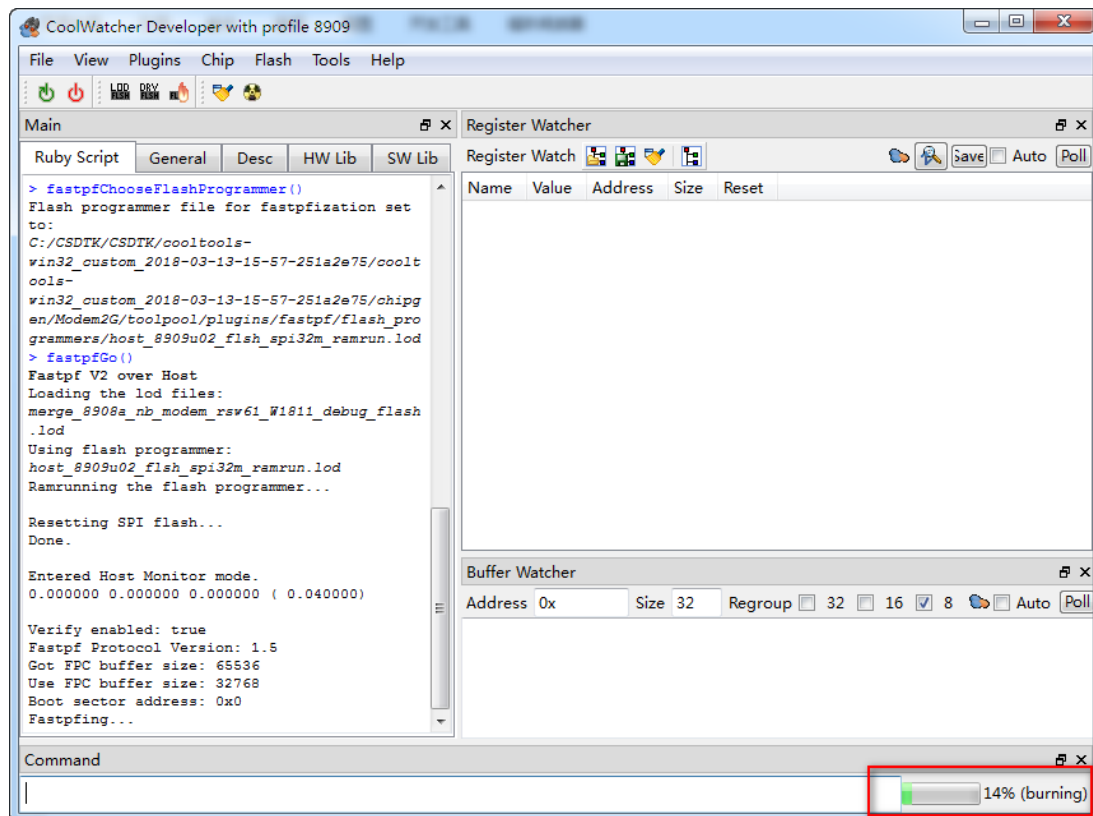
Current file version: host\_8909u02\_flash\_spi32m\_ramrun.lod





**Step 5: Choose Flash>Launch fastpf with current LOD file and Flash Programmer to download software.**





After the software is download completely, the Ruby Script tab displays information prompting complete.

