

# Neo\_M590E V1 GPRS Module Software Upgrade Guide

Version 1.0



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**Notice**

This document provides guide for users to use the [M590E V1](#).

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

The information in this document is subject to change without notice due to product version update or other reasons.

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## Revision Record

Issue	Changes	Date
V1.0	Initial draft	2016-02-29

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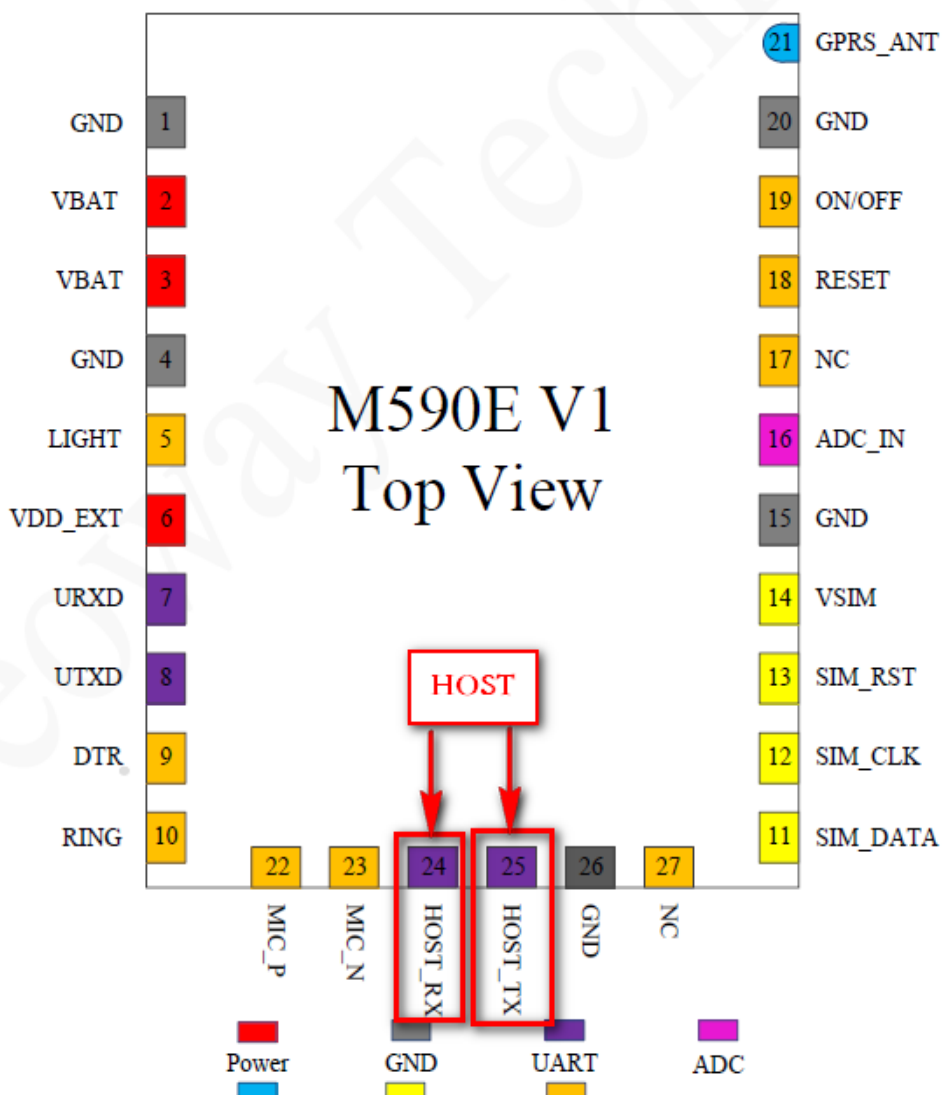
# About This Document

This document describes how to upgrade the M590E V1 module and lists required hardware and software. It provides upgrade instruction for users to commission the module.

## 1 Upgrade Interfaces

M590E V1 support software upgrade through the HOST interfaces.

The following figure shows the HOST pins on M590E V1.



## 2 Upgrade Tools

To upgrade the module software through cable connections, you need to prepare both hardware and software tool.

Hardware tool:

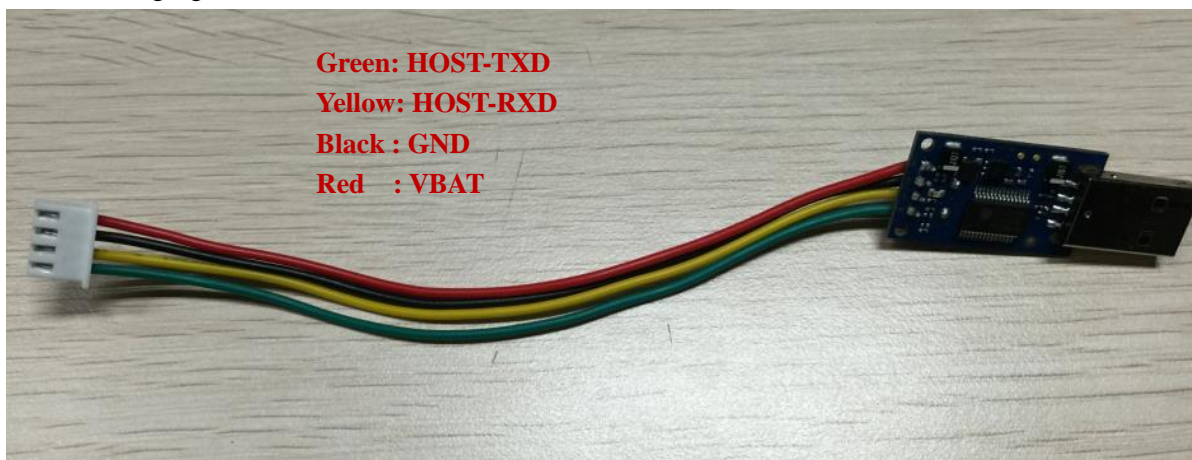
- A set of demo board
- USB-to-UART cable
- Four cable threads of different colors
- Pin connector

Software tool:

- Software upgrade tool
- USB-to-UART driver
- Software package of the module

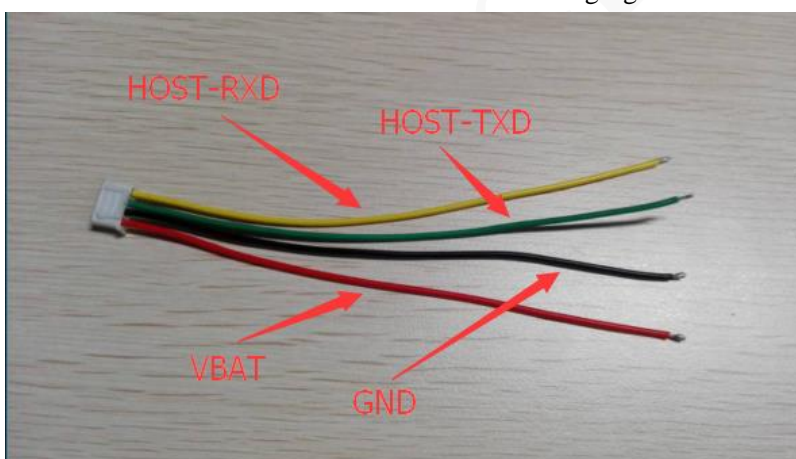
### 3 Cable Connection

The following figure show a USB-to-UART cable.



From the top to the bottom, the threads are respectively: VBAT (red), GND (Black), HOST-RXD (yellow), and HOST-TXD (green).

Fix the four cable threads of different colors as shown in the following figure.



The following figure shows a pin connector.



The following figure shows the cable connection between the demo board and a computer.





## 4 Tool Installation

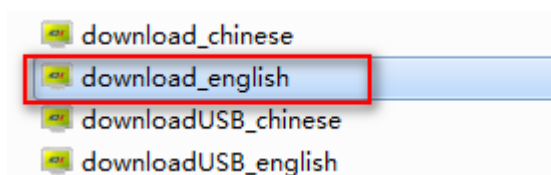
**ProductLineToolV9.00.02\_20150508.rar** is recommended for the upgrade.

**Step 1** Decompress the package to any disk or folder.

 NOTE

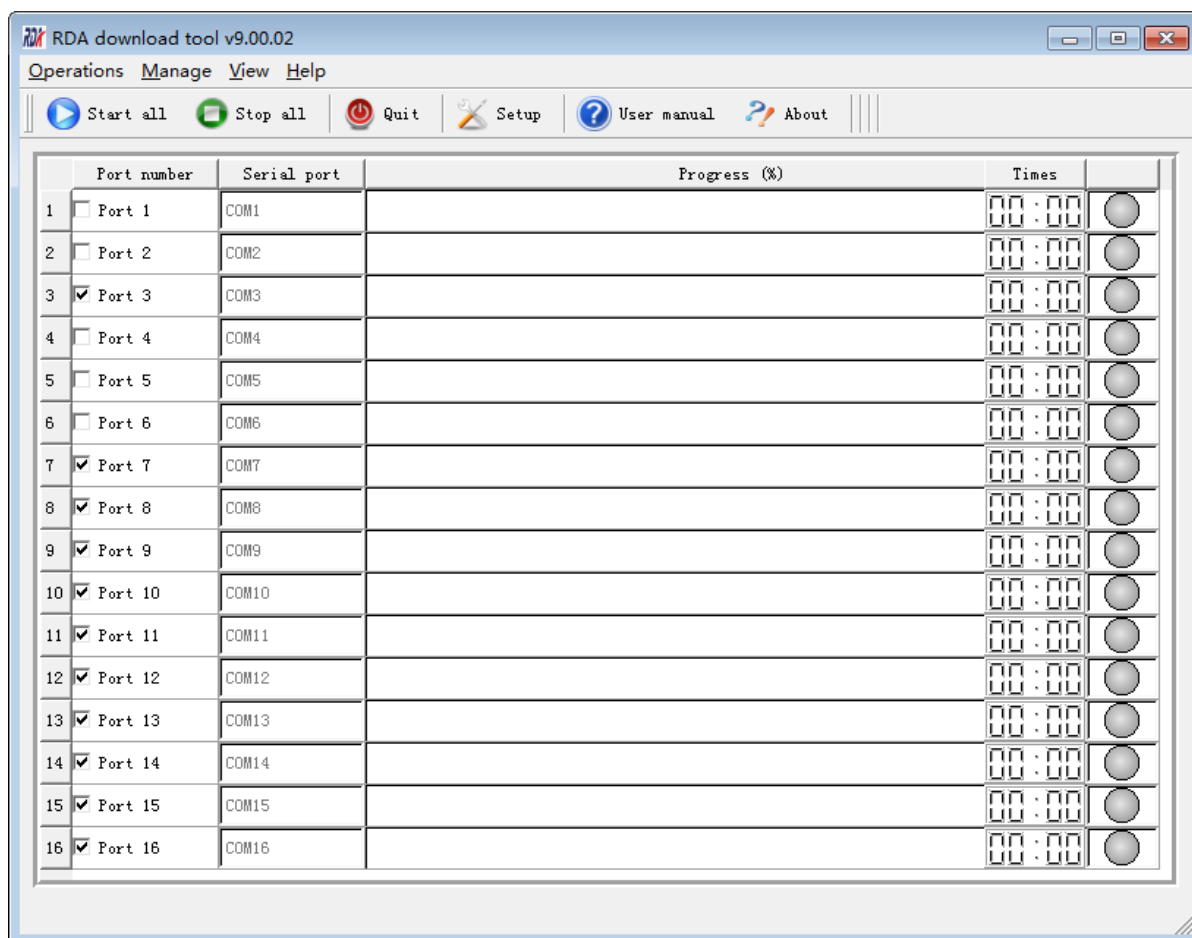
No character of any other languages except English is allowed in the directory to the tool.

**Step 2** Open the folder and send the **download.exe** icon to the desktop.

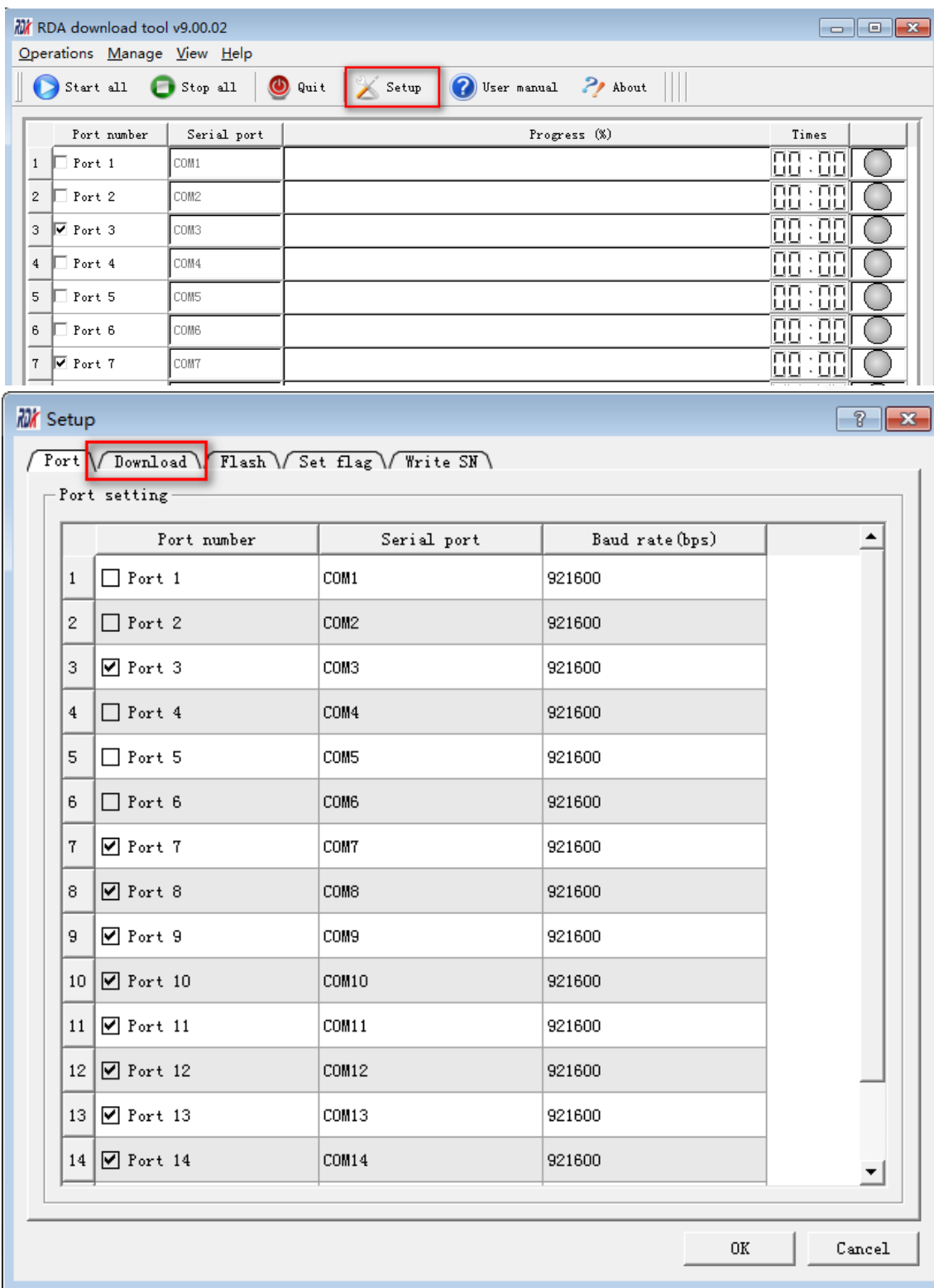


## 5 Upgrading the Module

**Step 1** Double-click **download\_english.exe** to start the upgrade tool.



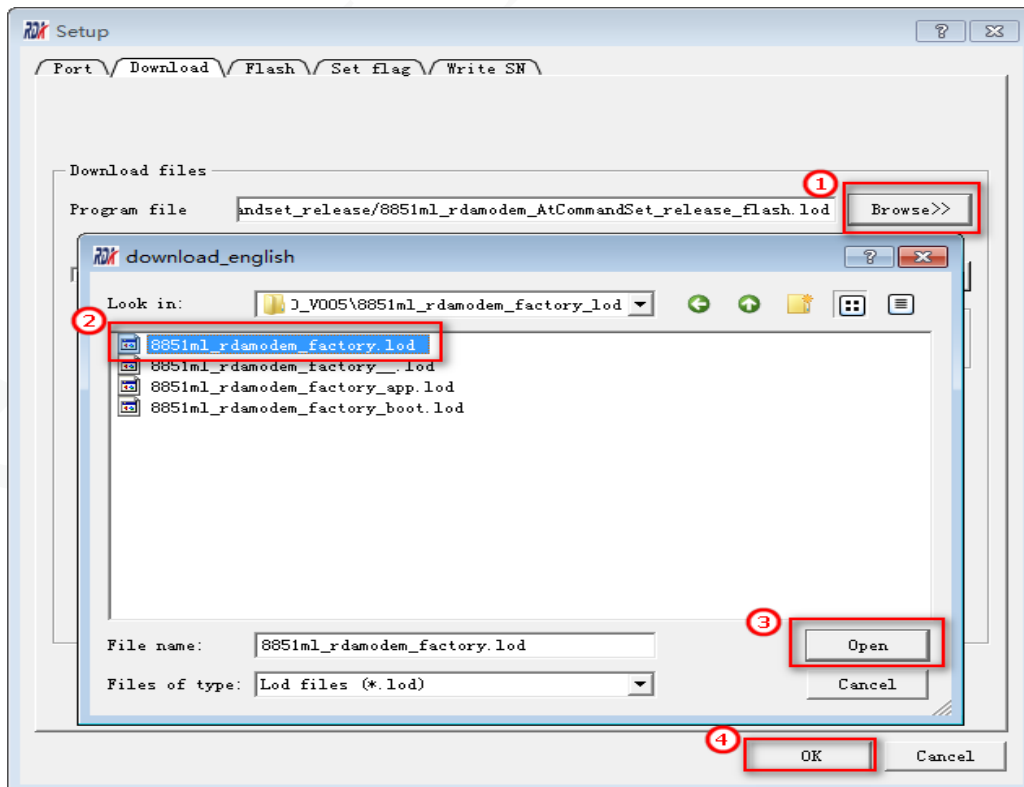
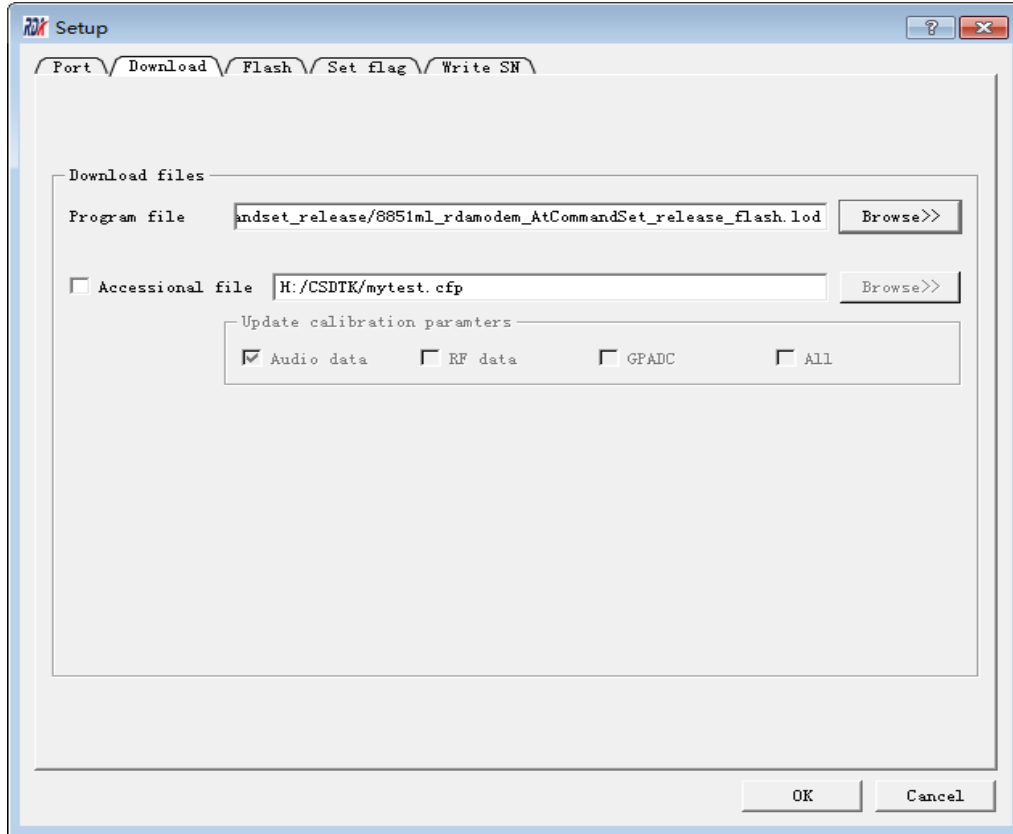
Step 2 Click Setup.



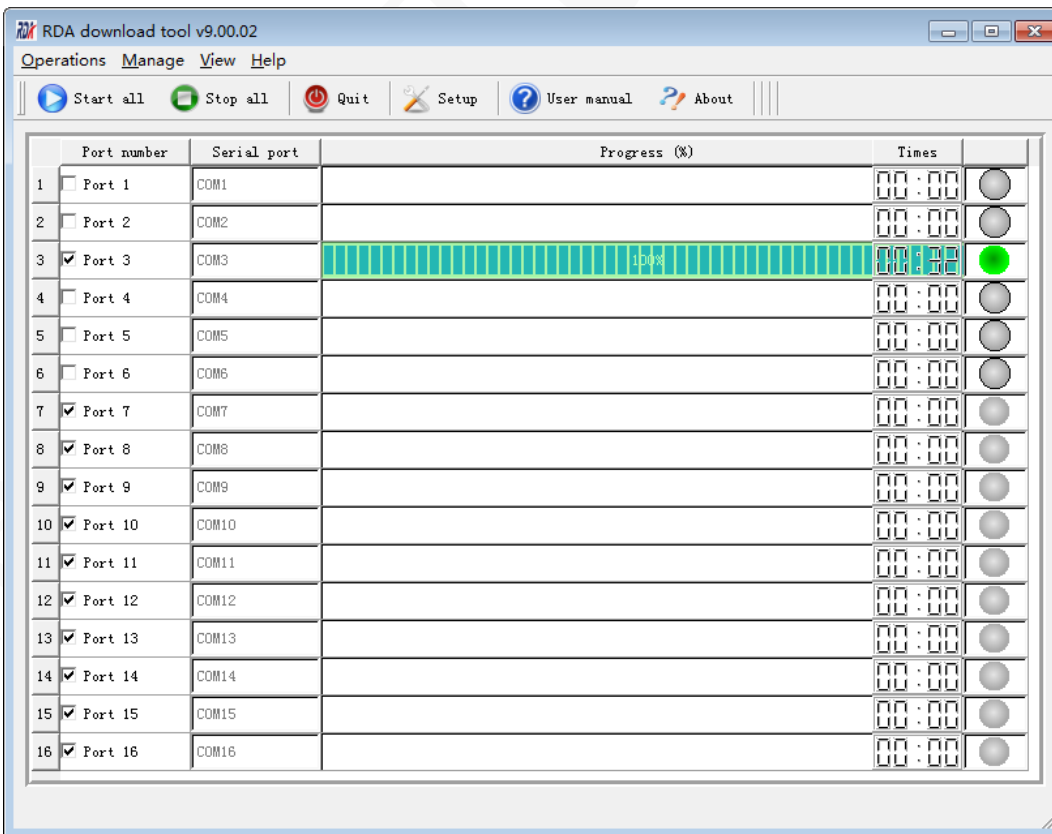
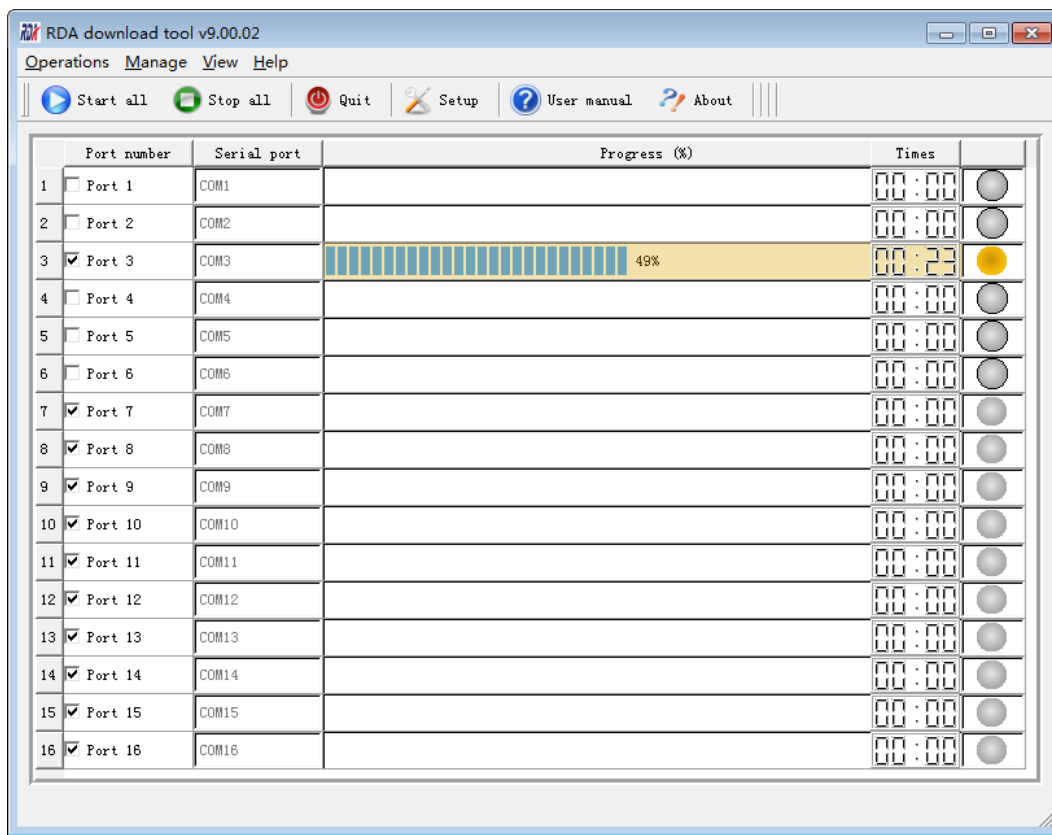
**Step 3** In the dialog box that is displayed, click the **Download** tab, select the LOD file for upgrade, and click **OK**.

 **NOTE**

No character of any other languages except English is allowed in the directory to the LOD file.



**Step 4** Connect the demo board to the computer properly, and then click **Start all**.  
The upgrade starts.



—End