UM3506 Programmer User Manual

Version 1.0

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Revisions

Version	Date	Description
Rev1.0	2022-03-09	The initial release

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1 Overview

The document is intended for guiding the customer how to install and use the UM3506 Programmer. UM3506 Programmer supports the firmware burning of UM3506 series chips.

The UM3506 firmware is burned through a serial port.

2 Preparations

Hardware：

- A reference bord or related product for the UM3506
- Serial port line
- Windows PC

Software：

- **UM3506 Programmer**。

图 2-1 Firmware burning



Install the UM3506 Programmer on the PC and connect the target board through the serial port. The serial port connection sequence is as below：

Chip pins		Serial port line
UART0_TXD	<->	Green line (RXD)
GND	<->	Black line (GND)
UART0_RXD	<->	Blue line (TXD)

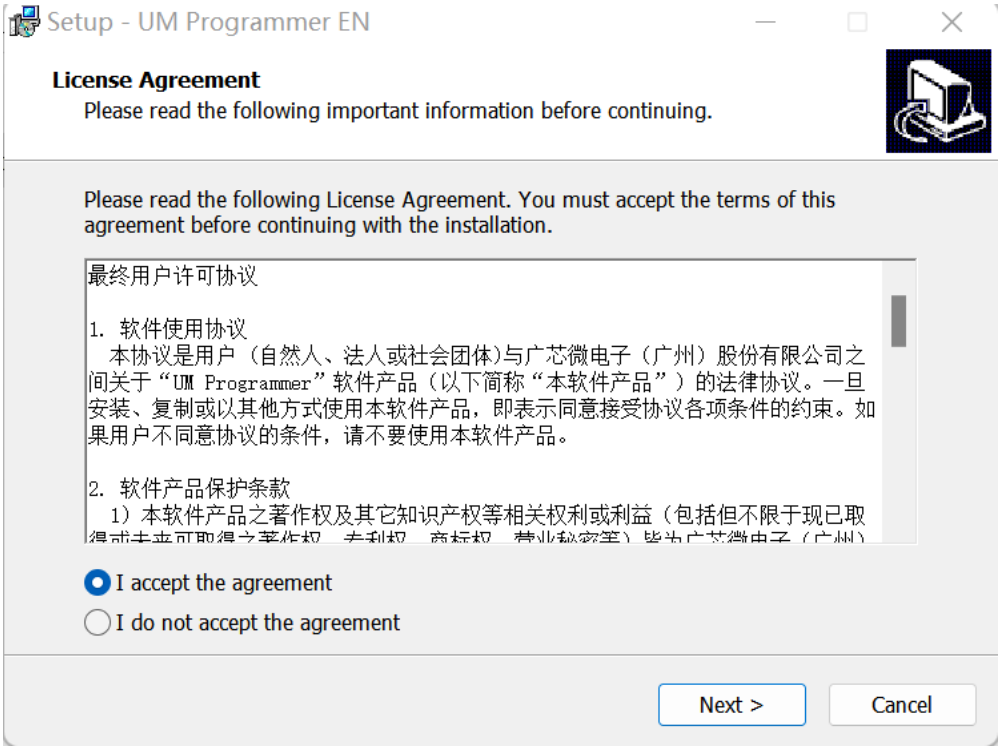
NOTICE:

- **If you are using USB to TTL, please make sure the level is 3.3V.**

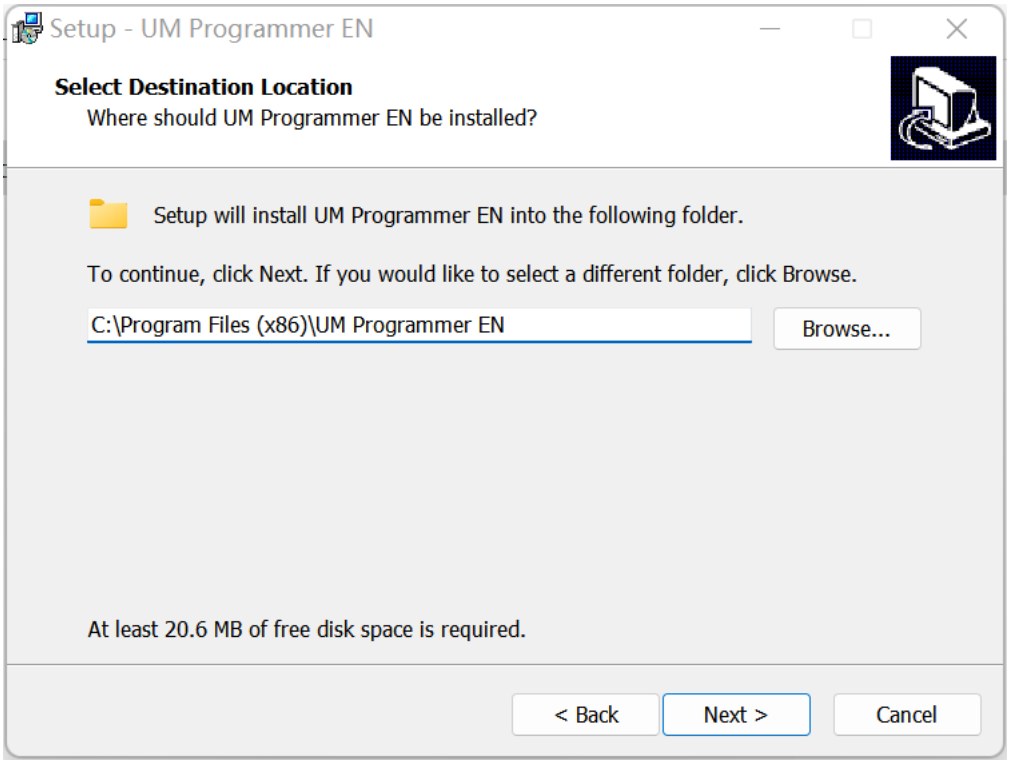
2.1 Installation

Double-click the UMProgrammer_EN_V1.3_YYYYMMDD.exe, the setup will show the first setup wizards, click “I accept the agreement” in the license agreement, then click “Next”, show as

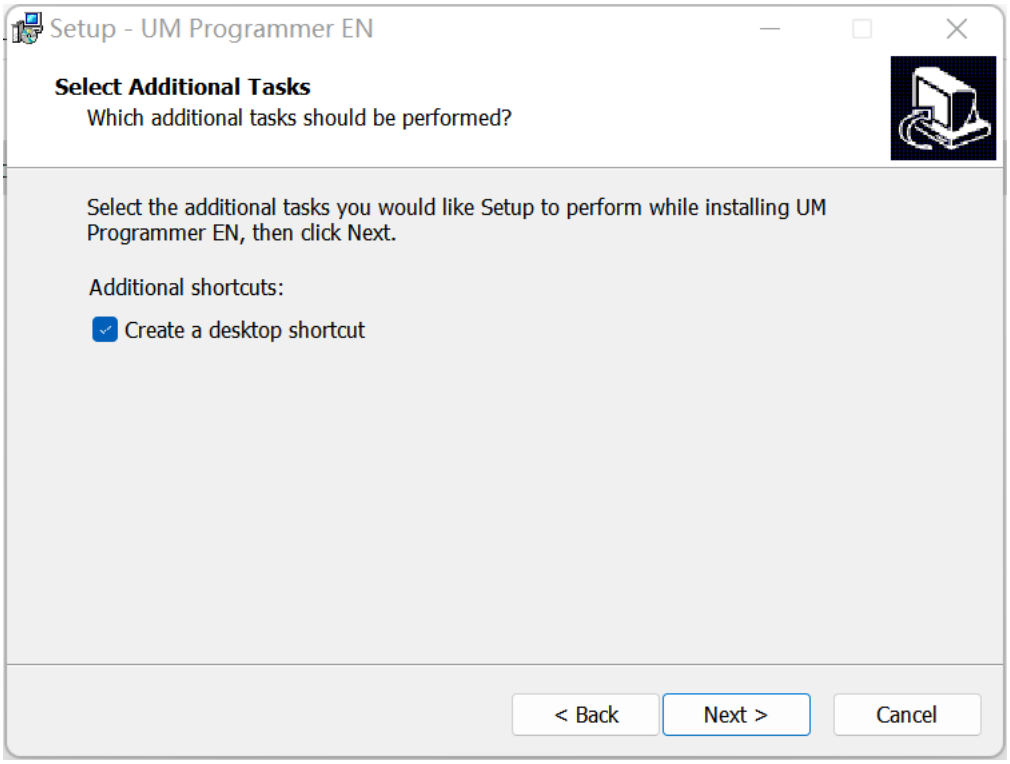
below:



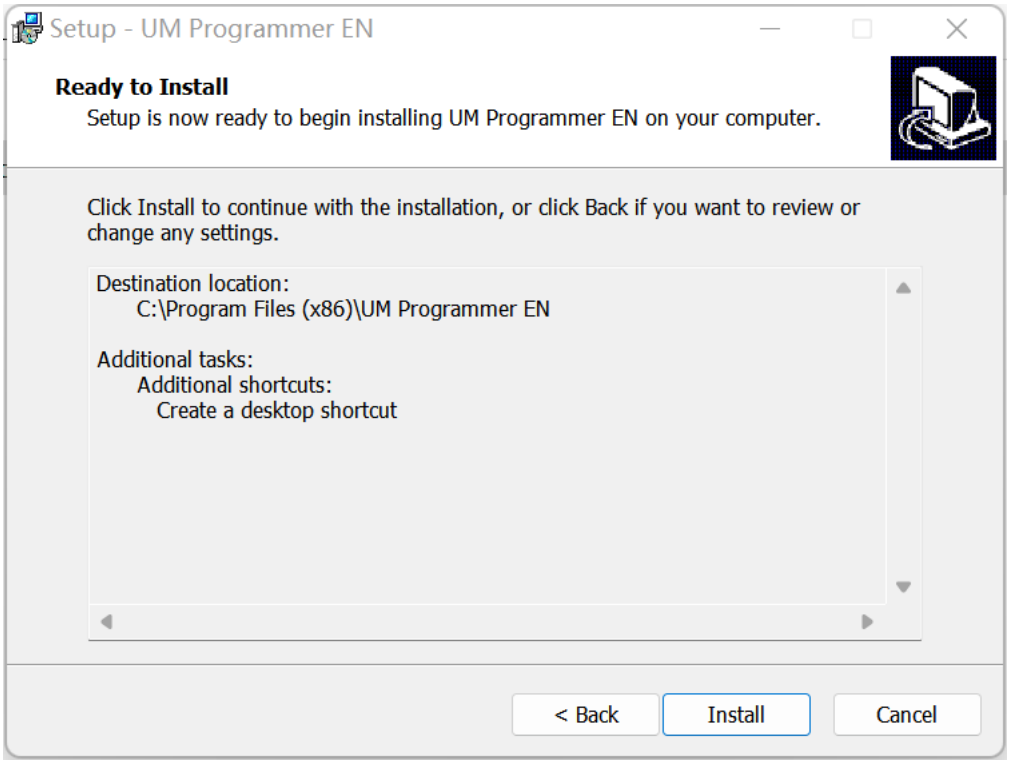
The installation wizard goes to the select destination location page. Select the directory you want to install and click Next, show as below:



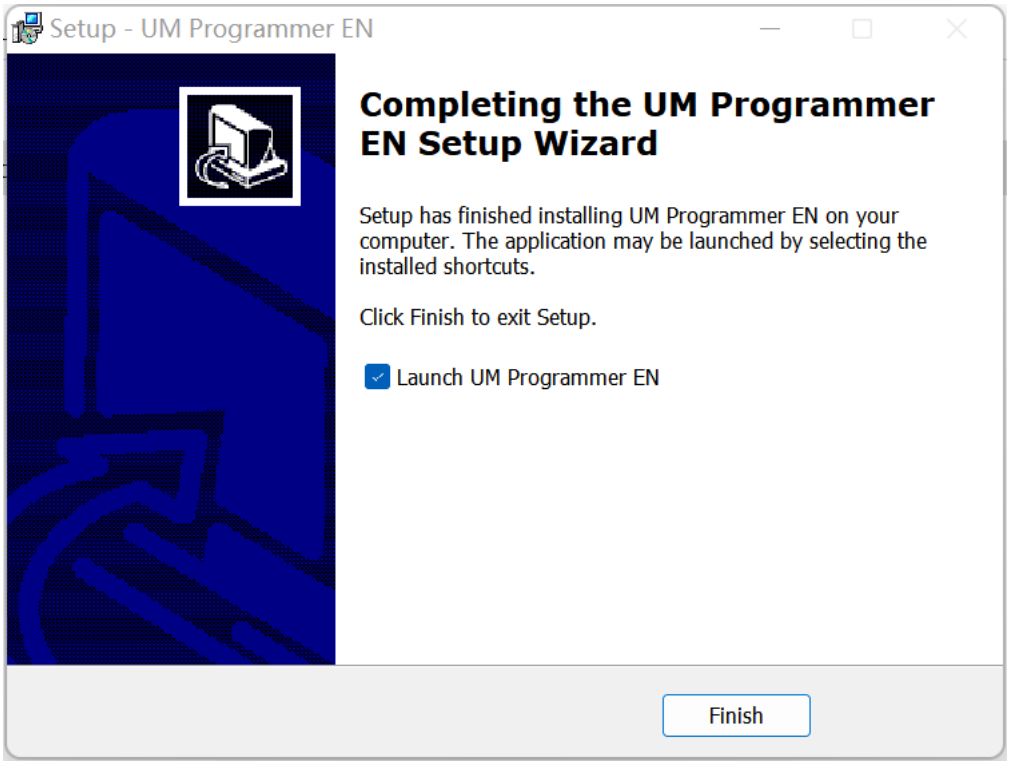
On the create desktop shortcut page, click Next, show as below:



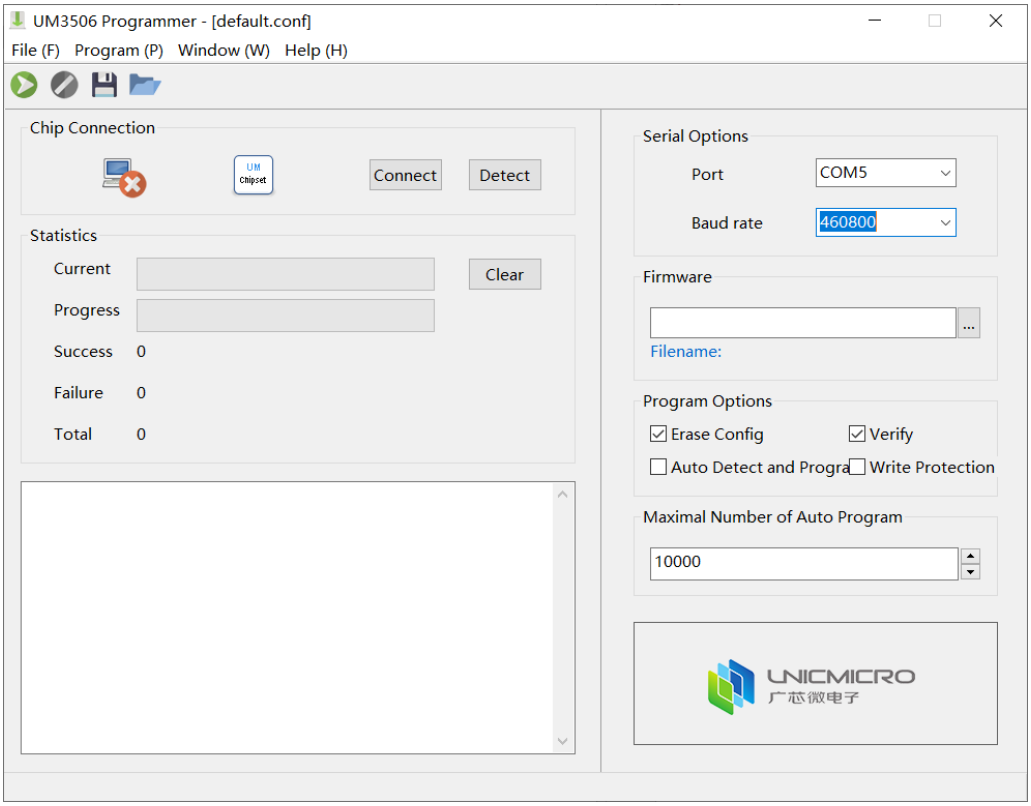
The installation wizard enters the ready installation page. Click “Install” to start installing UM3506 Programmer, show as below:



When user has completed the UM Programmer EN setup wizard, firstly, click “Launch UM Programmer EN”, then, click “Finish”to complete the installation of UM3506 Programmer. show as below:



When the installation is complete, the burn software interface will be displayed, show as below:

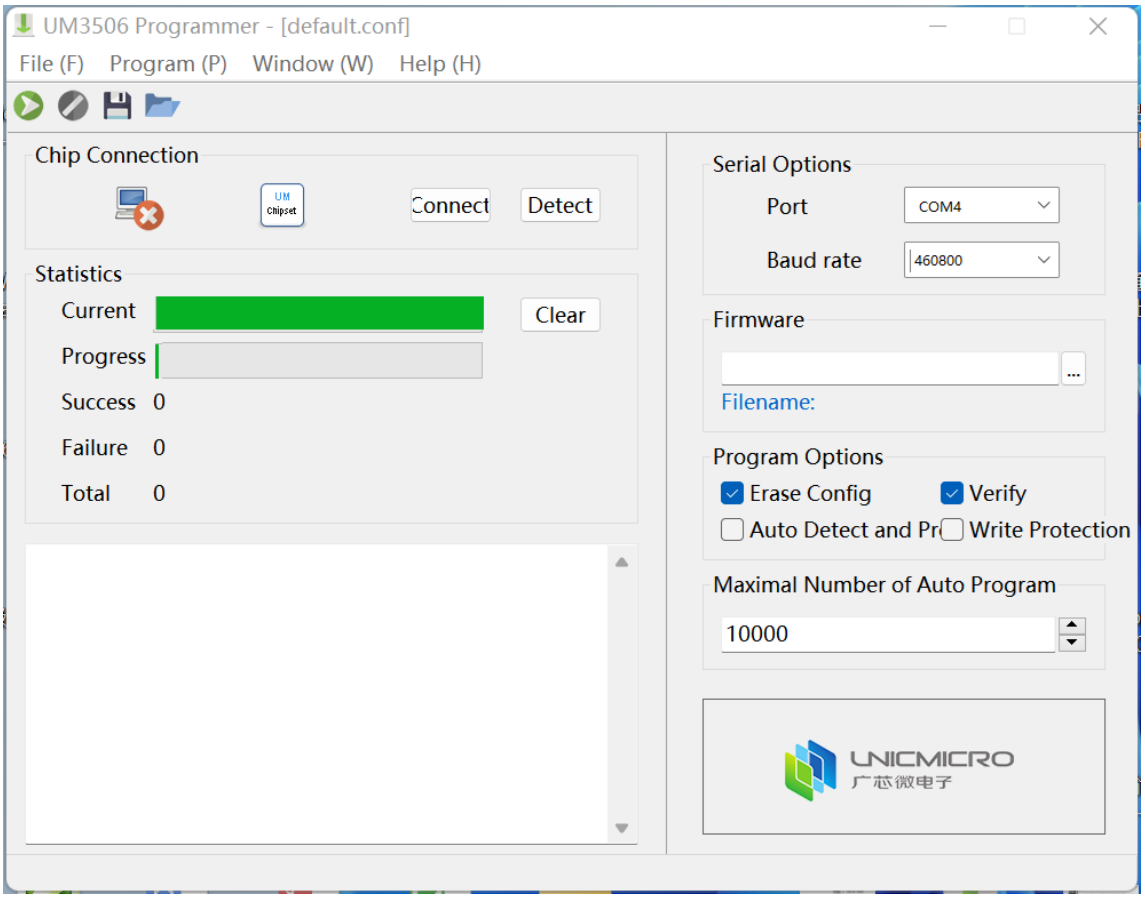


2.2 Usage

The Operation steps are as below:

1） Select serial port, for example, the current serial port is COM4.

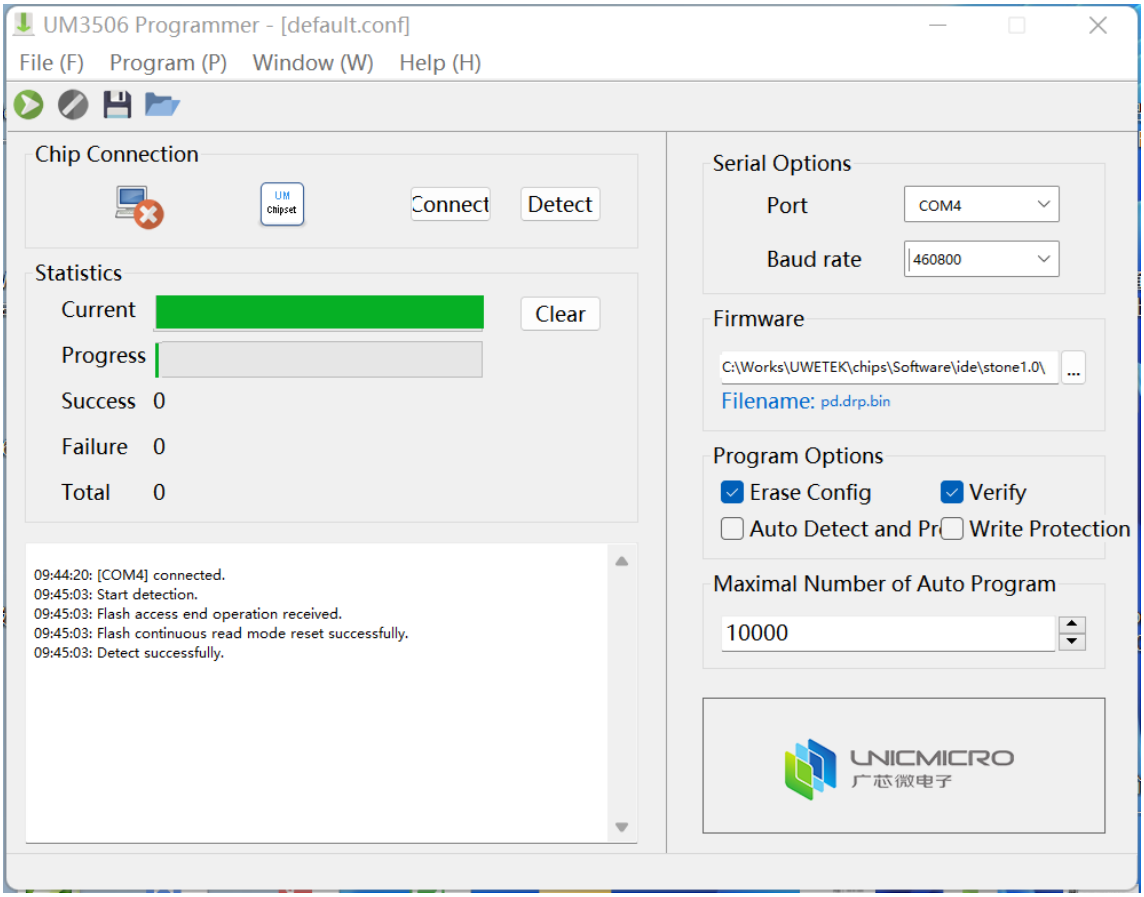
2） Select serial baud rate, the baud rate of UM3506 is 460800, show as below：



3） Select the firmware.

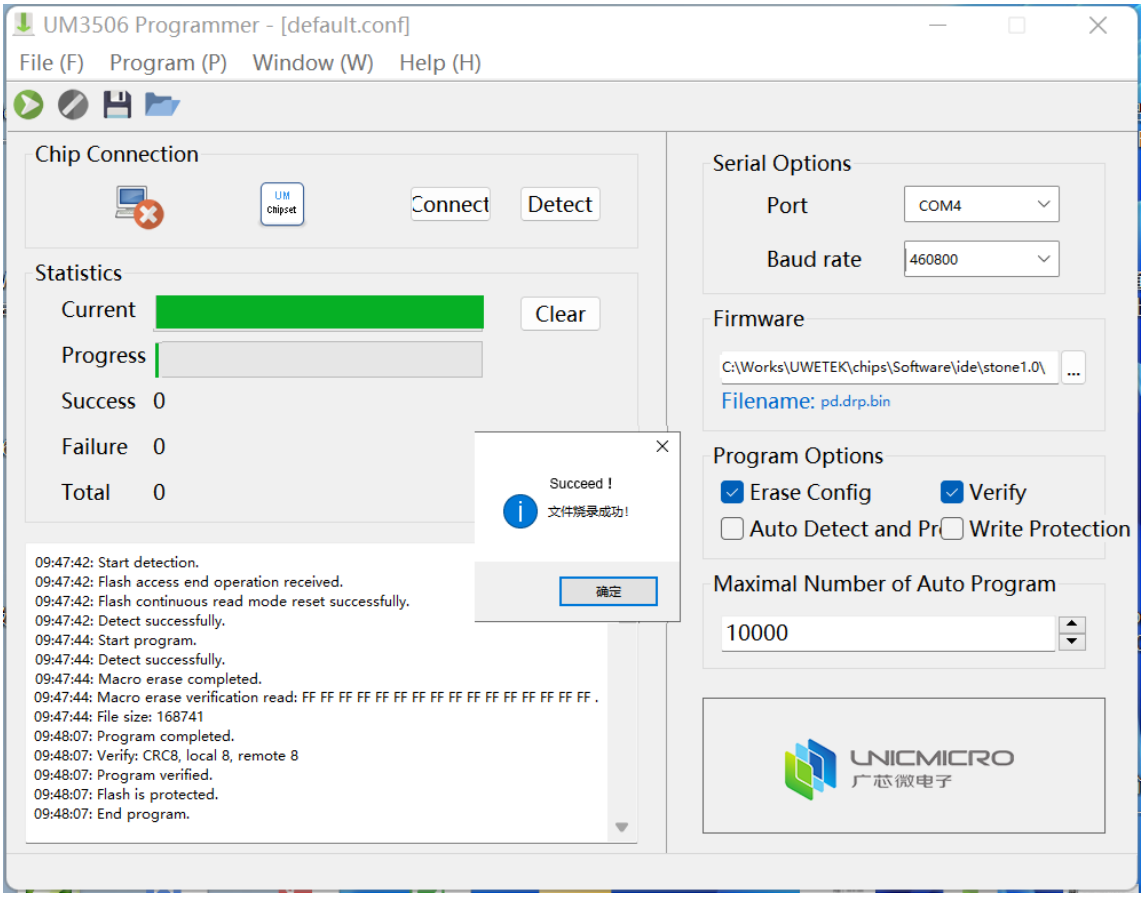
4） Save the parameters, click the toolbar “  ”

5） Detect the target board, click the “Detect” button，show as below:



6） Then, connect the target board, click the “Connect” button

7） Click the toolbar “ ”, start programming, show as below:



8） After completed the program, click “Disconnect”, the target board will exit the programming mode.