

Contents

Introduction.....	1
Prepare for LCD firmware upgrade.....	1
Prepare tools.....	1
Install HMISudio.....	1
Install the USB driver	3
Installation FAQ	8
Application error occurred during HMISudio installation	8
The system prompts failure at USB driver installation in the Windows 10 operating system	8
Upgrade LCD Configure	1
Upgrade the LCD firmware	1

Introduction

Liquid Crystal Display (LCD) is an intelligent O&M component installed on a server. For hardware information about usage of the LCD, see the user guide for the LCD touchable intelligent management module. The firmware of LCD contains the following parts:

- **LCD Configure**—Project file (.hs file) to control the display material of the LCD module. Users can configure the display material to control the interface display on the LCD module.
- **LCD firmware**—Firmware (.bin file) used to control communication between the LCD controller and the BMC.

This document is used to guide users to upgrade LCD configuration and firmware offline through HMISudio. It mainly includes the following parts: environment preparation, basic upgrade process for LCD Configure, and basic upgrade process for LCD firmware.

Prepare for LCD firmware upgrade

This section uses the Windows 7 (64-bit enterprise edition) operating system as an example to illustrate the procedures for installing HMISStudio and the USB driver.

NOTE:

Figures in this section are for illustration only.

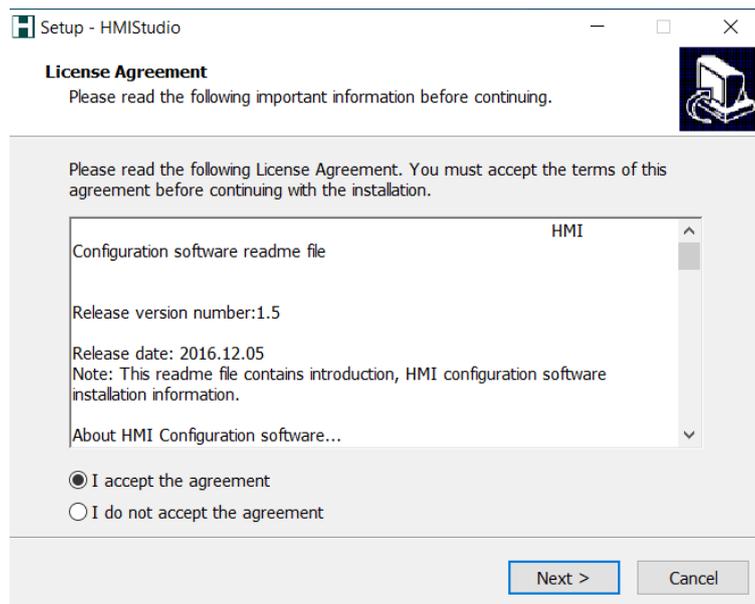
Prepare tools

- PC or laptop (recommended)
- Micro USB cable
- HMISStudio installation package

Install HMISStudio

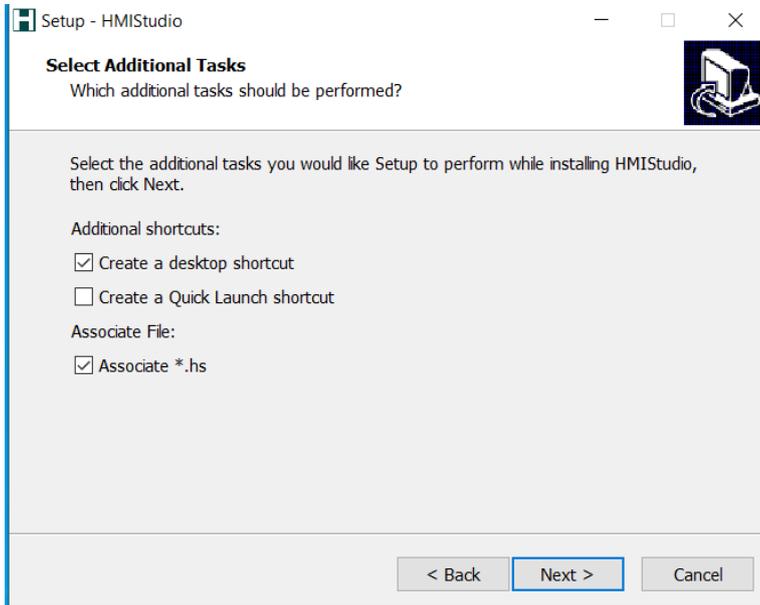
1. Download the HMISStudio installation package. As a best practice, use an official genuine version.
2. Double-click the HMISStudio installer. On the **Setup** screen, select "**I accept the agreement**" and then click **Next**.

Figure 1 Setup screen



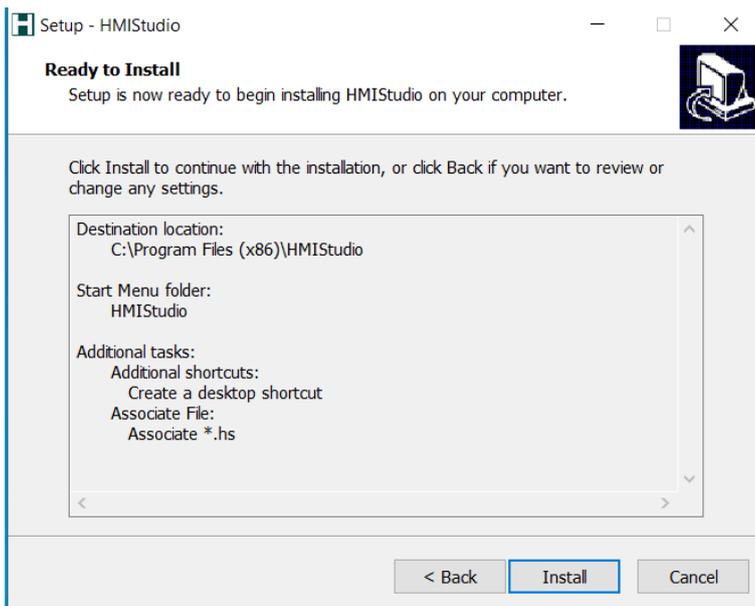
3. Select **Create a desktop shortcut**, select **Associate *.hs**, and then click **Next**.

Figure 2 Selecting additional tasks



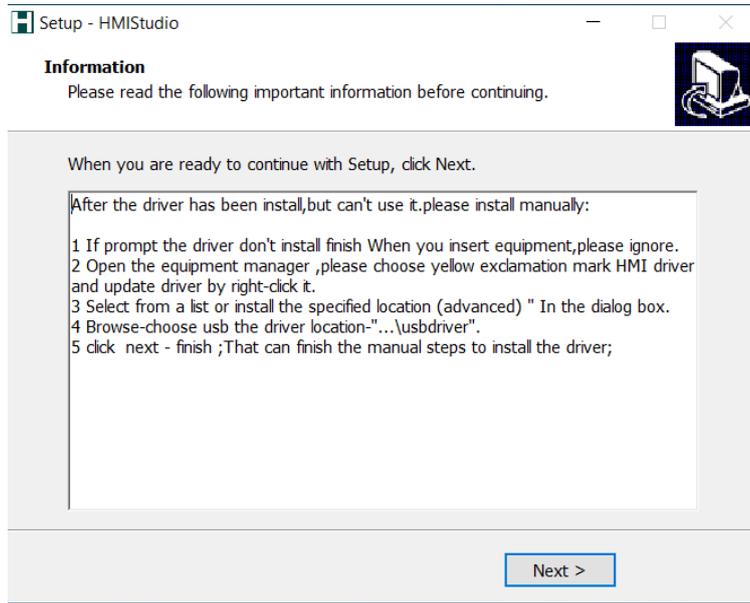
4. On the confirmation screen, click **Install**.

Figure 3 Confirm screen



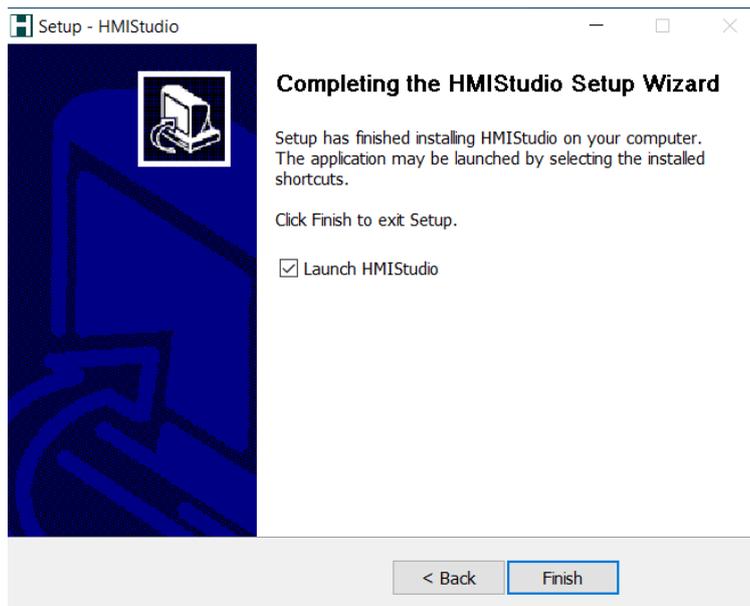
5. Read the information and then click **Next**.
The system starts to install HMISStudio.

Figure 4 Important information



6. Click **Finish**.

Figure 5 Installation completed



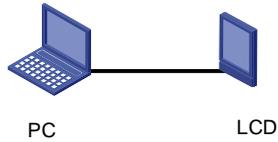
Install the USB driver

△ CAUTION:

To avoid operation failures, make sure the LCD module has correct power input during USB driver installation, LCD Configure upgrade, and LCD firmware upgrade.

1. Use a Micro USB cable to connect the USB port on the PC to the Micro USB port on the LCD module. Make sure the PC and the LCD module can reach each other.

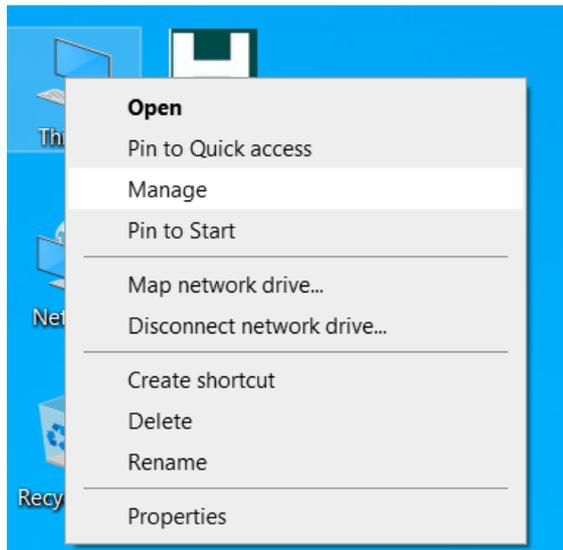
Figure 6 Connecting the PC to the LCD module



If you connect to the LCD module for the first time, the Windows operating system prompts you to install the USB driver.

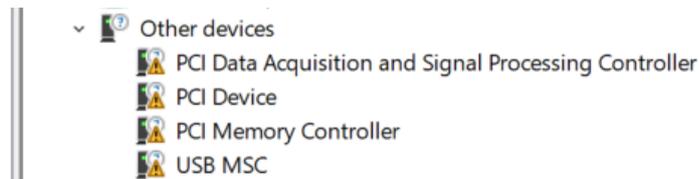
2. If driver installation fails, perform the following tasks to update the USB driver for the PC:
 - a. Right-click the **This PC** icon, and then click **Manage**.

Figure 7 Icon menu



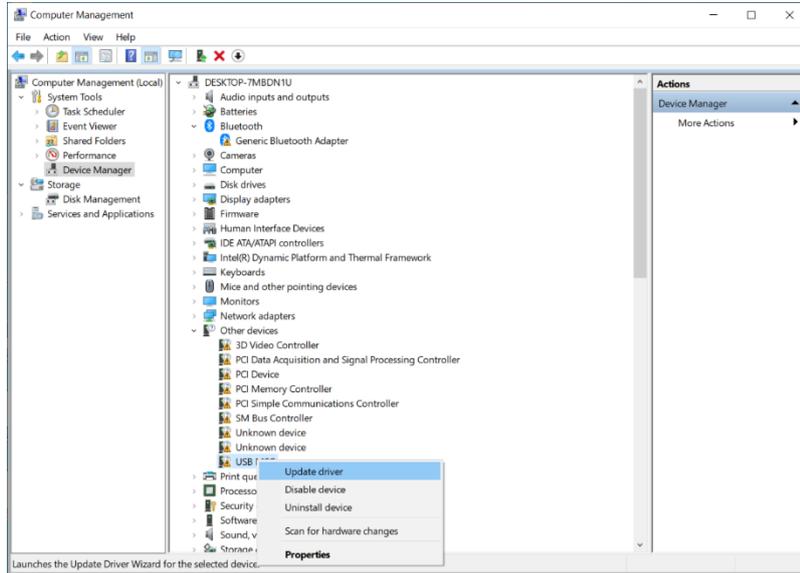
- b. Click **Device Manager** to open the device list.

Figure 8 Device Manager



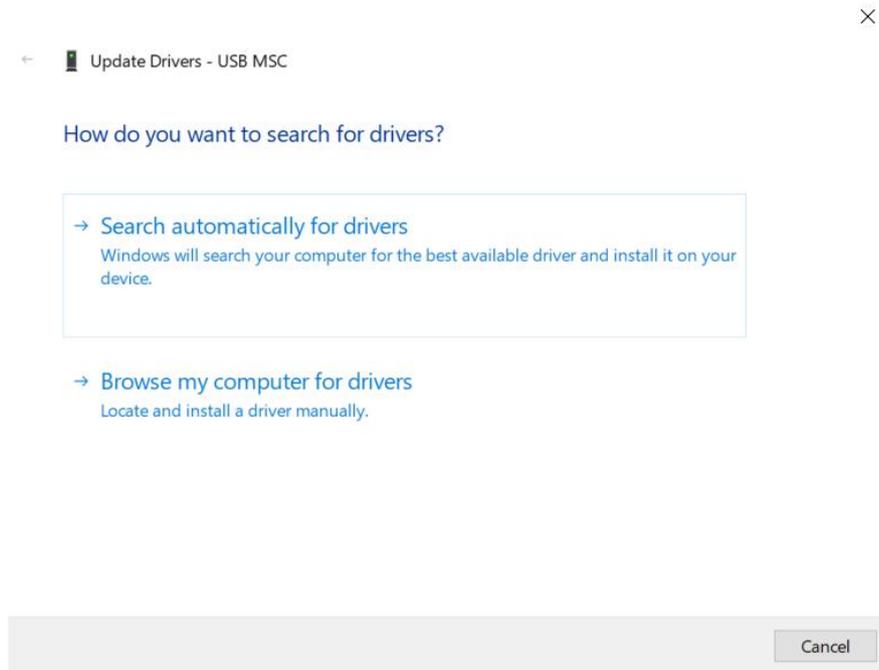
- c. Select **USB MSC** > **Update driver**.

Figure 9 Accessing the driver update screen



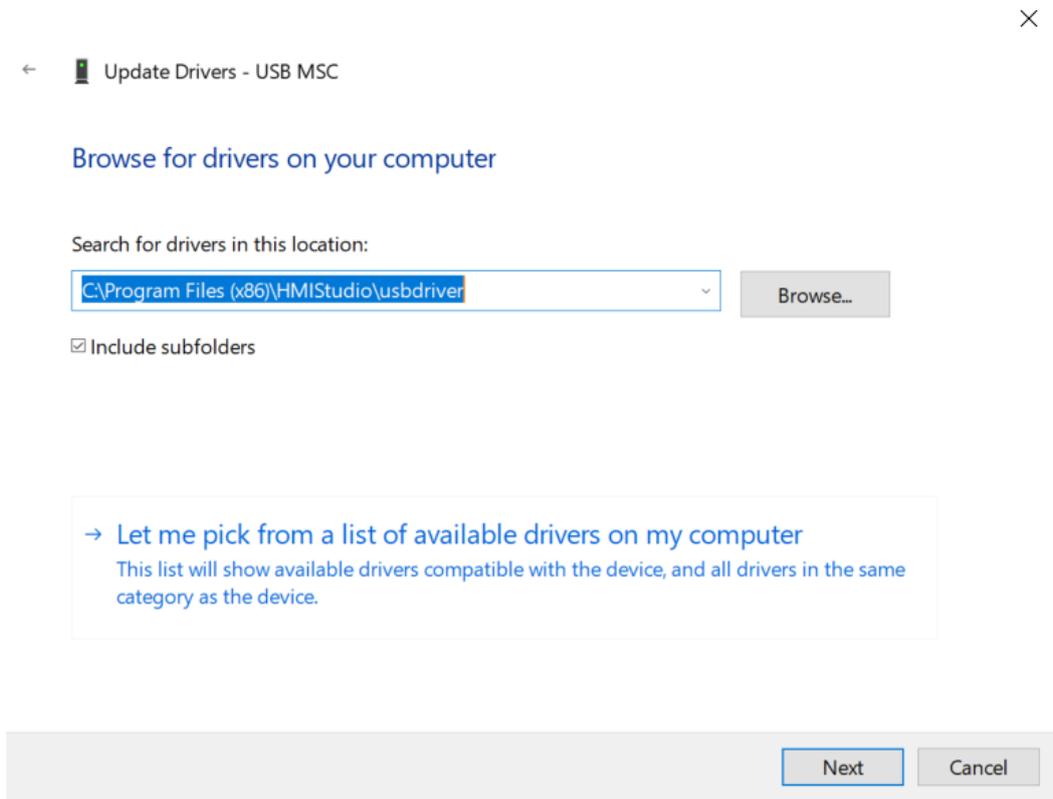
d. Click **Browse my computer for drivers**.

Figure 10 USB driver update screen



e. Browse to the **usbdriver** folder in the HMStudio installation directory, and then click **Next**.

Figure 11 Selecting the driver program



- f. Click **Install this driver software anyway** if the security prompt opens.

Figure 12 Windows security prompt

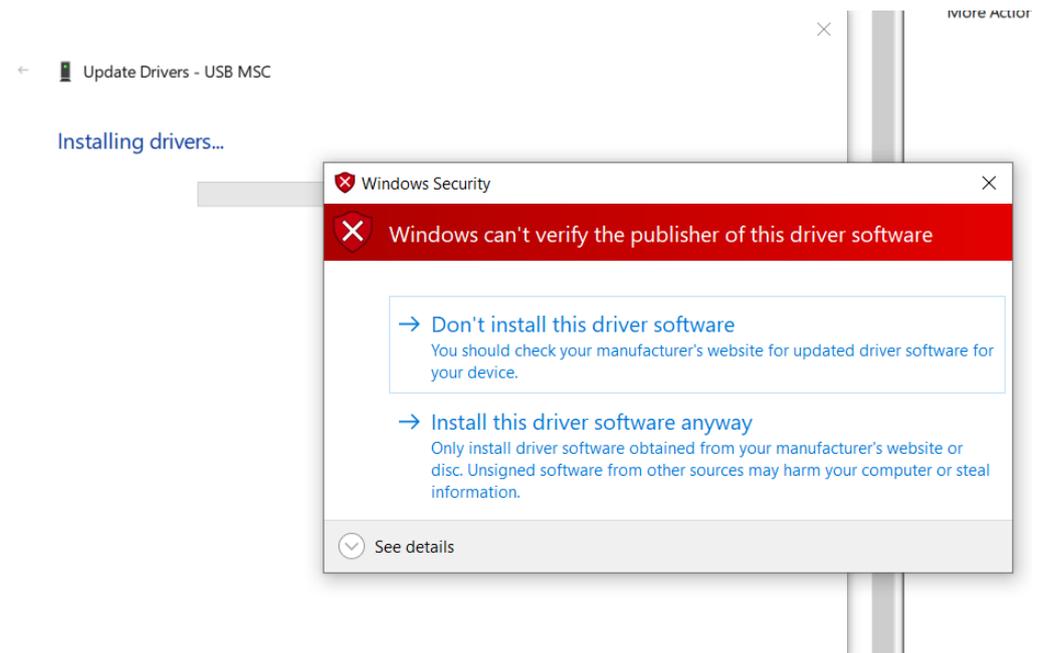
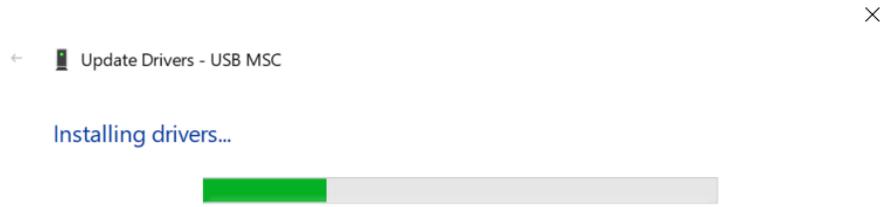
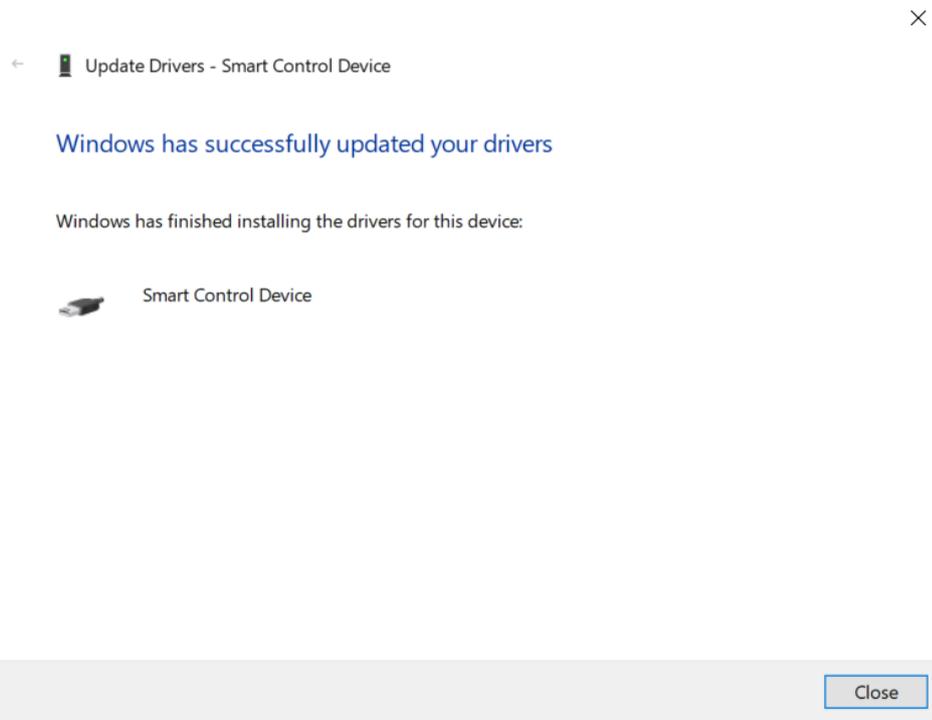


Figure 13 Starting to update the driver



g. Click **Close**.

Figure 14 Update completed



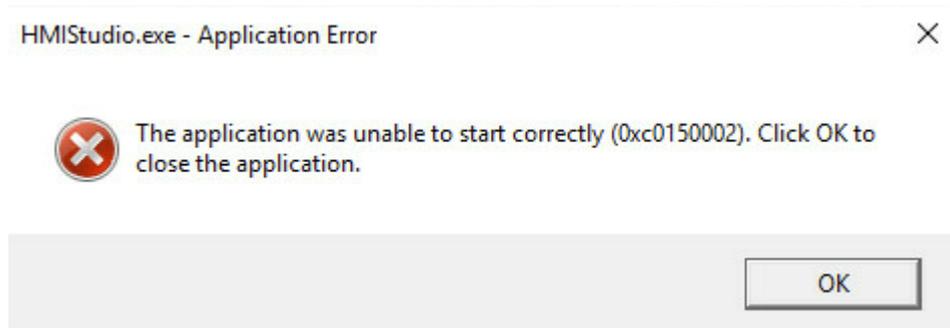
NOTE:

After driver installation, restart the operating system of the PC for the driver to take effect.

Installation FAQ

Application error occurred during HMISstudio installation

Figure 15 Application Error



To resolve the issue:

1. Re-install the vcredist_x86 2008 driver program. The program is saved in the installation directory of HMISStudio. For more information, see "[Install the USB driver.](#)"
2. After the driver installation succeeds, install HMISStudio again.

The system prompts failure at USB driver installation in the Windows 10 operating system

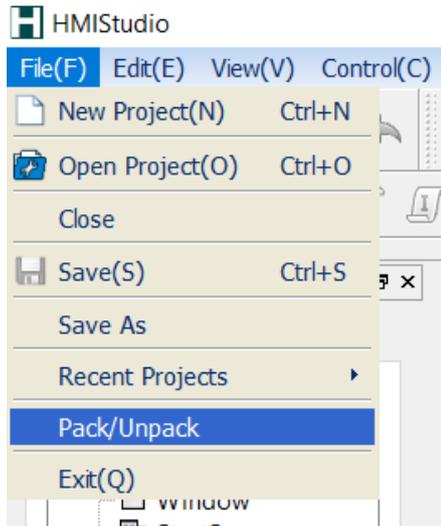
To resolve the issue:

1. Click **Settings > Notifications**, and select **All Settings > Update & Security > Recovery**. In the **Advanced startup** section, click **Restart Now**.
2. Select **Troubleshooting > Advanced options > Startup settings > Restart**.
3. Enter **7** as prompted to disable driver signature enforcement. Wait for the system to restart, and then install the USB driver again.

Upgrade LCD Configure

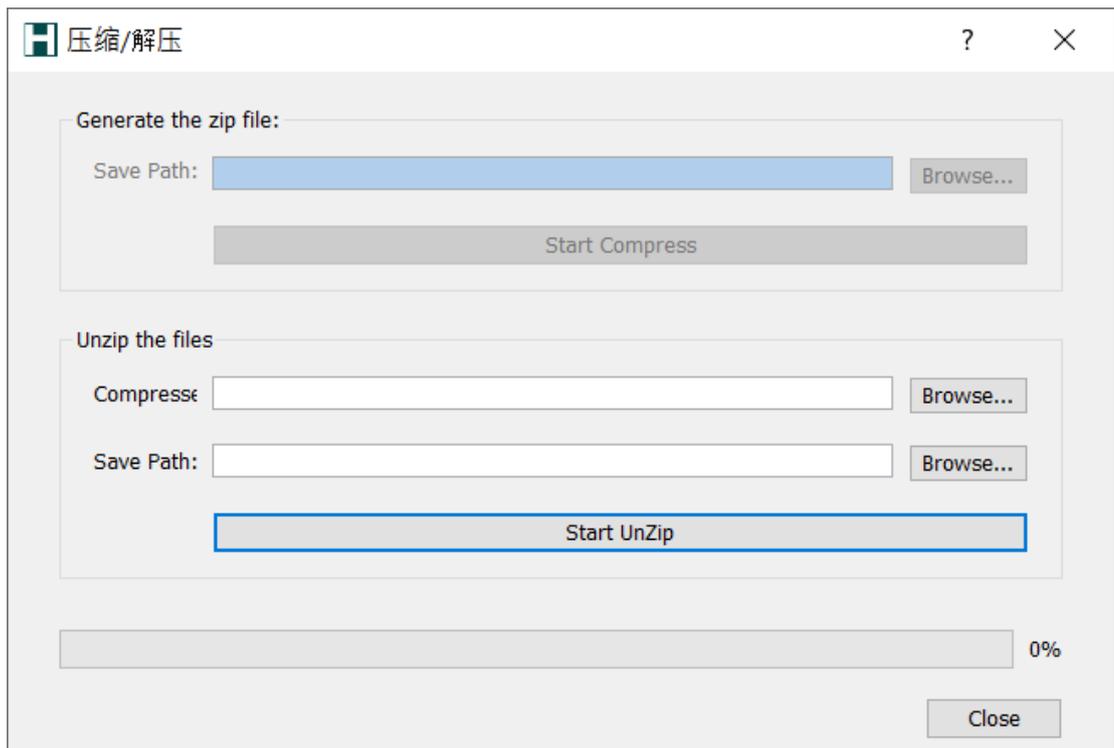
1. Contact Technical Support to obtain the upgrade file for LCD Configure. The upgrade file is a compressed file in the .knr format.
2. Run HMISStudio, and click **File(F) > Pack/Unpack**.

Figure 16 HMISStudio homepage



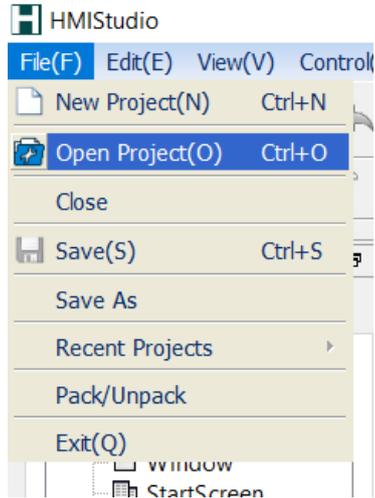
3. Browse to the LCD Configure upgrade file, specify the save path, specify the name of the unpacked file (the file extension must be .hs), and then click **Start UnZip**.

Figure 17 Pack/Unpack dialog box



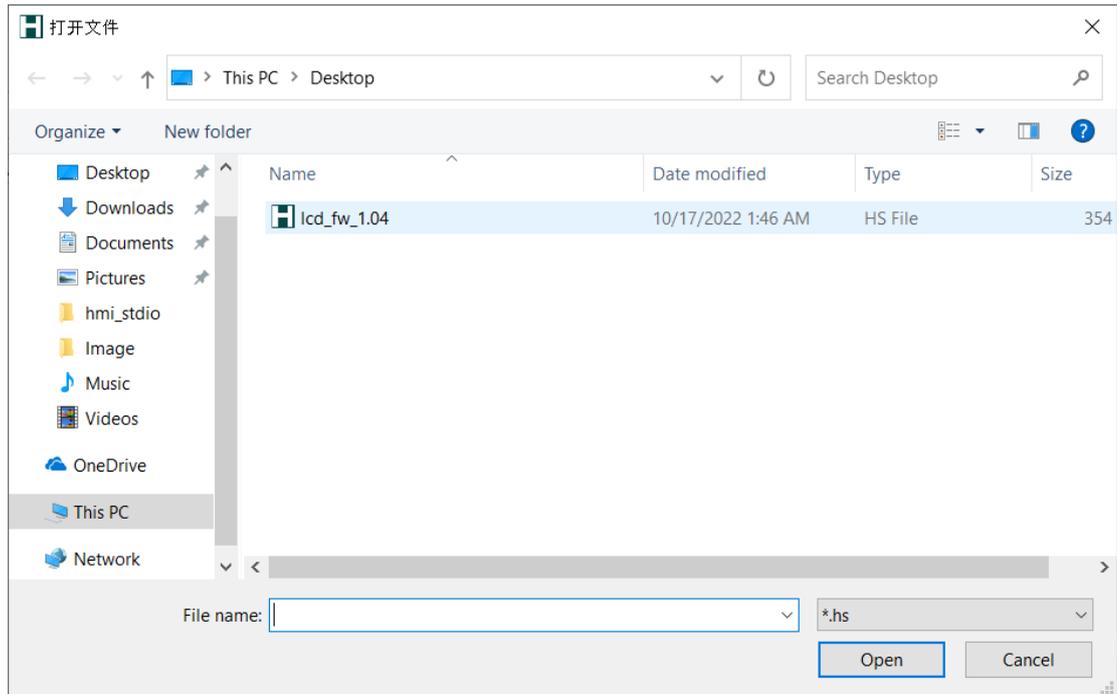
4. After unpacking, click **File(F) > Open Project(O)**.

Figure 18 Opening the project file



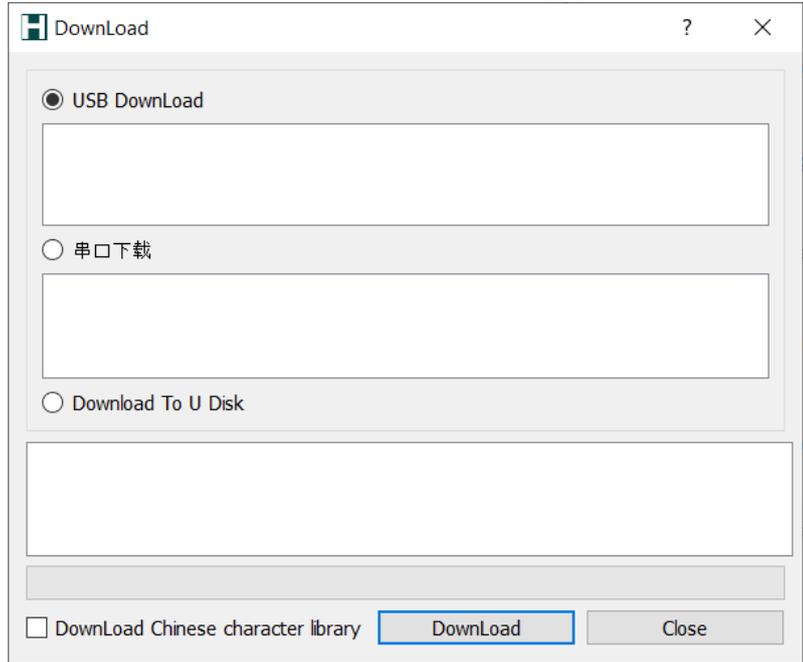
5. Select the .hs LCD Configure upgrade file.

Figure 19 Selecting the LCD Configure upgrade file



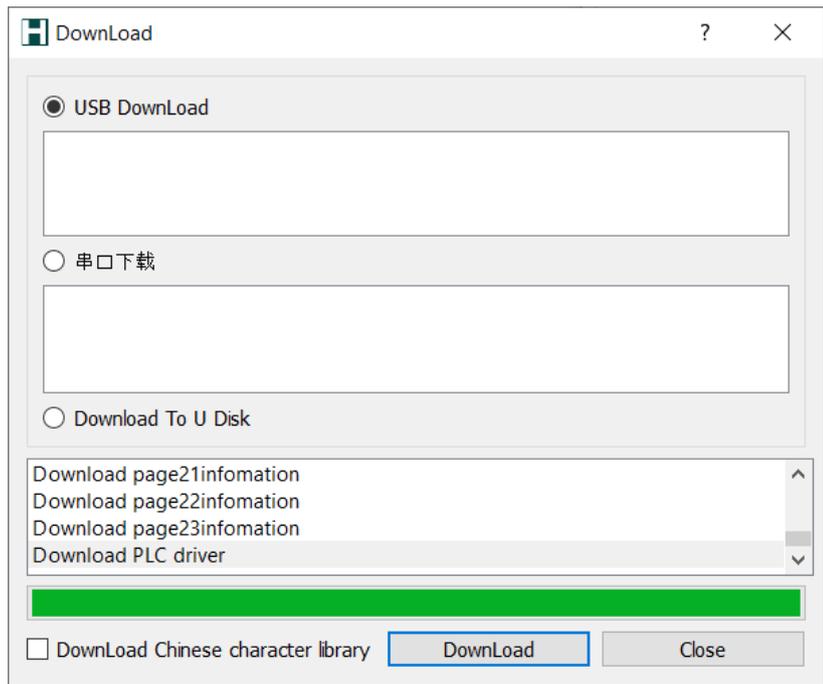
6. Click the download icon  in the tool bar to start compiling the project file. After compilation, the **Download** dialog box opens.
7. Click **Download**. If the system prompts script compiling failure, restart the PC.

Figure 20 Download dialog box



After downloading, the dialog box displays **Download PLC driver**, which indicates that LCD Configure upgrade succeeded.

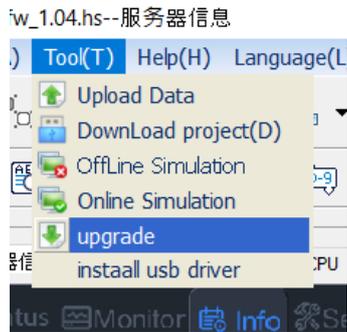
Figure 21 Downloading succeeded



Upgrade the LCD firmware

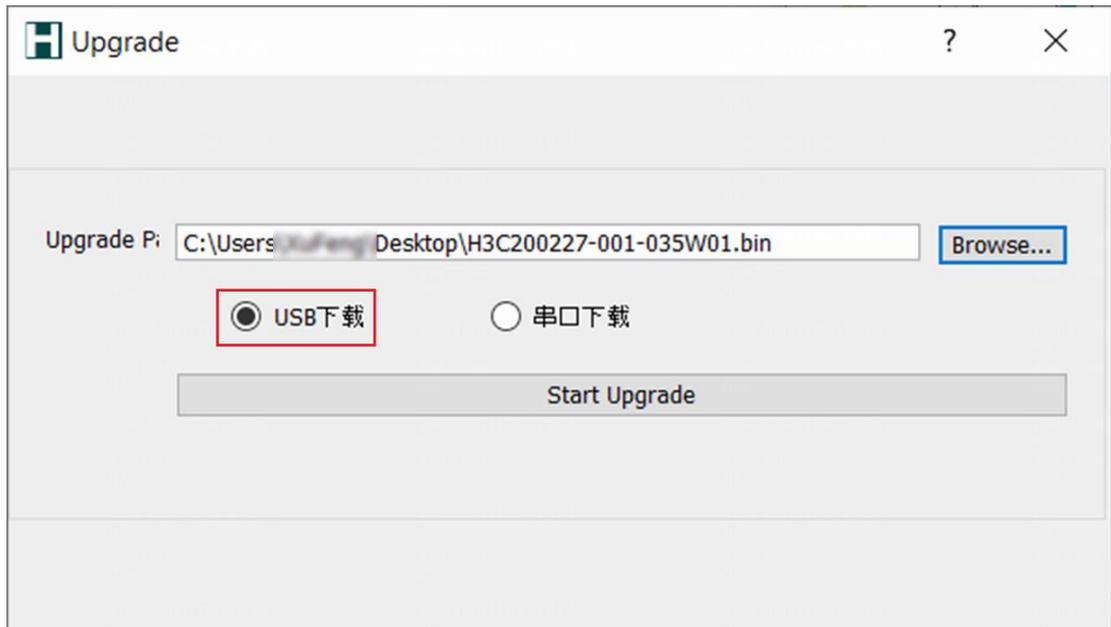
1. Contact Technical Support to obtain the LCD firmware upgrade file (.bin file).
2. Run HMISStudio, and click **Tool(T) > upgrade**.

Figure 22 Tool menu



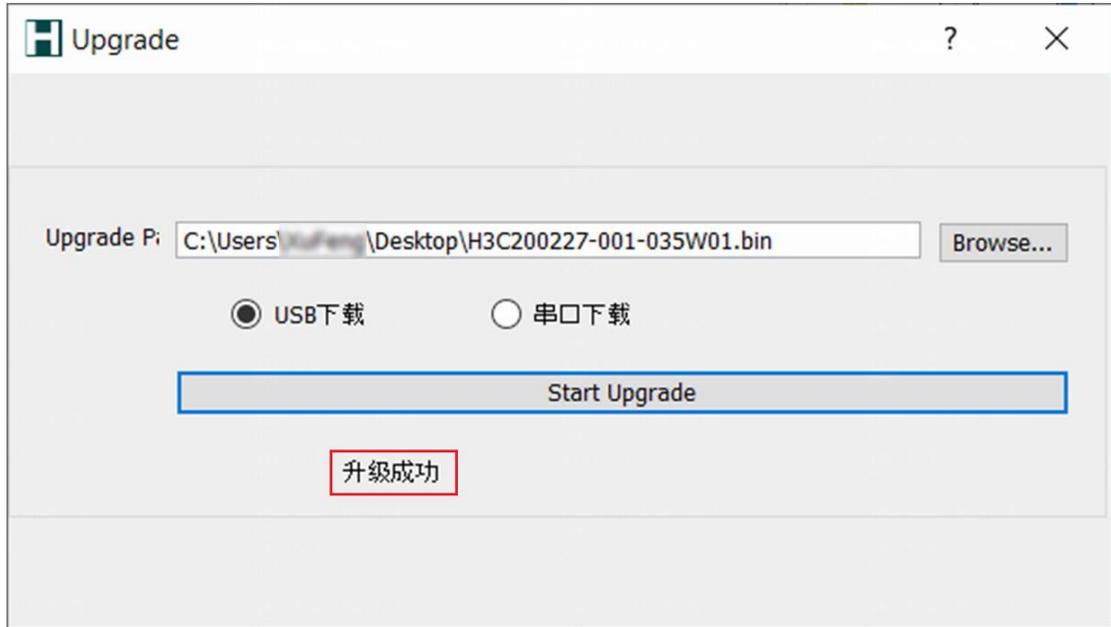
3. Browse to the LCD firmware upgrade file, select the USB download option, and then click **Start Upgrade**.

Figure 23 Upgrade dialog box



The system prompts upgrade success if the operation succeeds.

Figure 24 Firmware upgraded successfully



NOTE:

After the firmware upgrade, the LCD module restarts automatically for the new firmware to take effect.
