ams

Quick Start Guide

QG001010

TSL2585

TSL2585 EVM

Miniature Ambient Light Sensor with UV and Light Flicker Detection

v2-00 • 2021-Sep-13

Content Guide

1 Out of the Box

For a detailed description of the TSL2585 EVM, please refer to User Guide:

● UG001017

Each TSL2585 Evaluation Kit comes with the following components:

Figure 1 :
Evaluation Kit Contents

No.	Item	Description
1	TSL2585 Daughter Card	PCB with TSL2585 sensor installed
2	EVM Controller Board	Used to communicate USB to I^{2}C
3	USB Cable (A to Micro-B)	Connects EVM controller to PC
4	Flash Drive	Includes application installer and documents

2   Software Installation

1.   Plug the flash drive into an unused USB port

2.   Double-click the **Setup.exe** file on the flash drive, or click Start > Run and type E:setup.exe and press Enter. **IMPORTANT:** Use the appropriate drive letter in the above command to install the software. Flash Drive will commonly be assigned the next available drive letter for example C: hard drive, D: CD-ROM, E: flash drive

3.   The Setup Wizard will open and guide you through the installation of the TSL2585 host software, (Figure 2 through Figure 8)

4.   The EVM Controller board requires the installation of FTDI CDM drivers. If these drivers are not installed on your machine, this setup will automatically launch the installer for the FTDI drivers.

5.   At the end of the installation, click Finish to exit the setup.
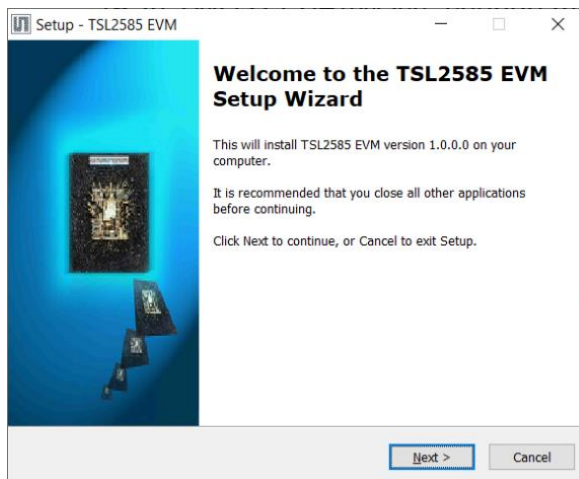
Figure 2:
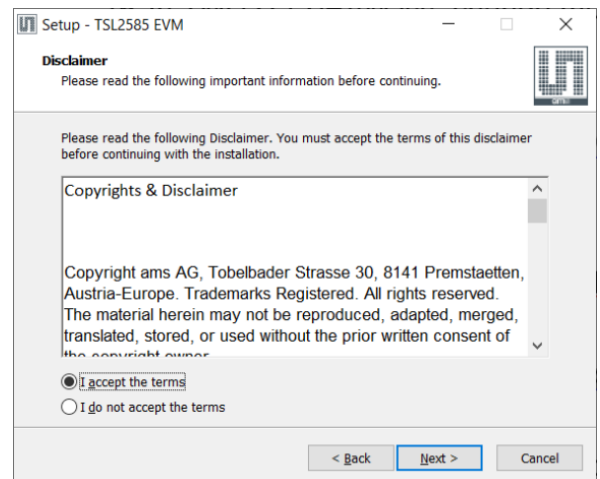**Welcome Screen**

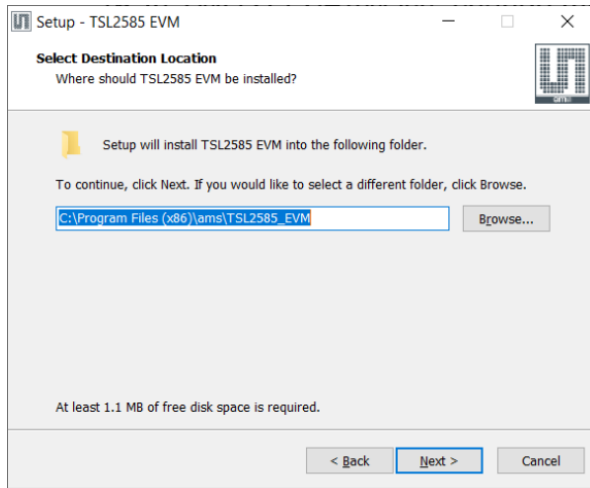**Figure 3:**
Liability Disclaimer

Figure 4:
Select Installation Folder
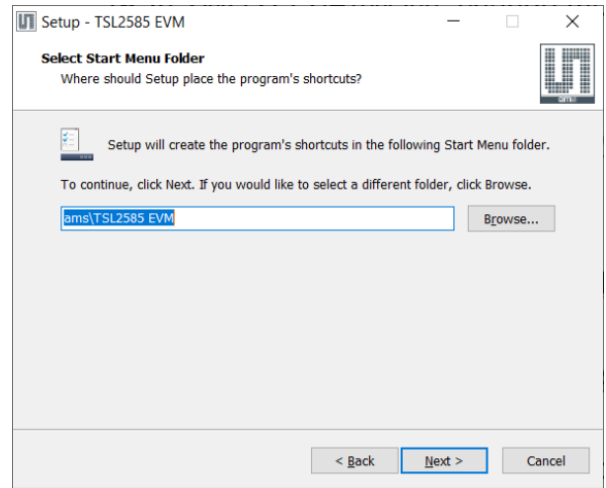

Figure 5:
Select Start Menu Folder

Figure 6:
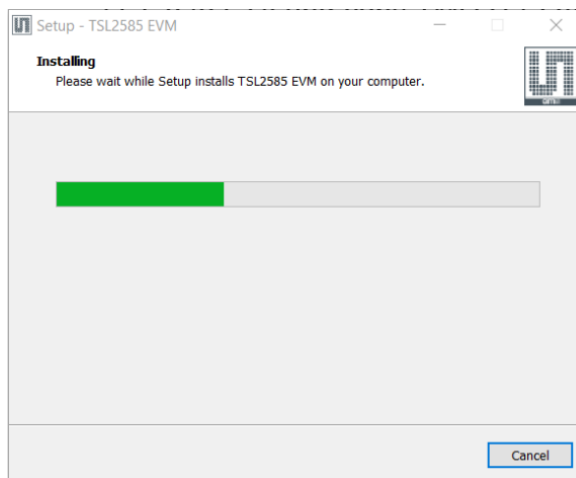**Installation in Progress**
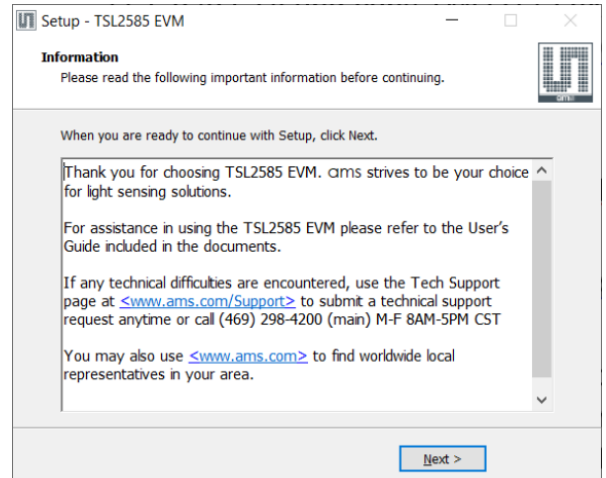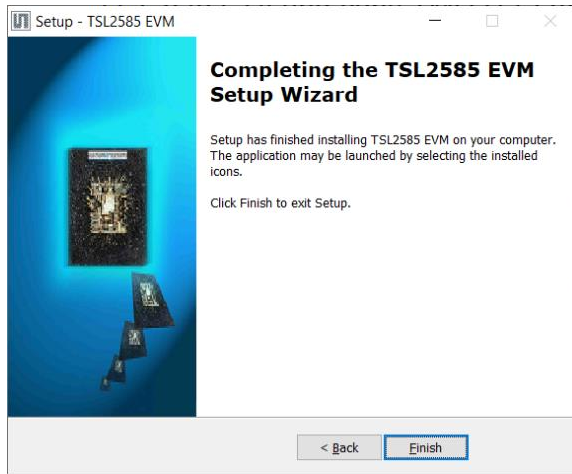

Figure 7:
Information Screen

Figure 8:
Installation Completed Successfully

3 Connect Hardware

Plug the TSL2585 Daughterboard into the Controller board (Figure 1). Always use ESD procedures when handling the EVM.

Using the enclosed USB cable, plug the micro-B connector into the EVM module. Using the other end of the cable, plug the USB A-connector into a USB port on the computer.

When the USB cable is connected, the green LED should light on power up to indicate that power is being received via the USB interface, and the controller board processor is running. If the green LED does not light, check the USB cable connections; unplug the USB cable and try again. If the green LED still does not light, check the PC for USB error messages.

4   Start the Application

To start the application select ams-OSRAM > TSL2585 EVM > TSL2585 EVM on the All Programs menu. The default installation directory depending on the device and the operating system you are using is:

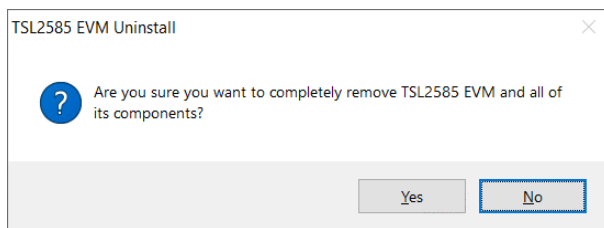C:\Program Files\ams-OSRAM\TSL2585_EVM (Windows 32-bit operating systems)

C:\Program Files (x86)\ams-OSRAM\TSL2585_EVM (Windows 64-bit operating systems)

A different install path may be selected by the user during the install (Figure 4). When started, the TSL2585 window will open on the PC and automatically connect to the hardware.

5   Uninstall Application

To remove the software from your computer (Figure 9), select ams-OSRAM > TSL2585 EVM > Uninstall TSL2585 EVM or use the Windows Control Panel.

Figure 9:
Remove Installation