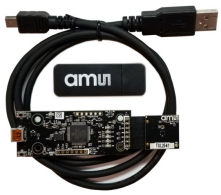
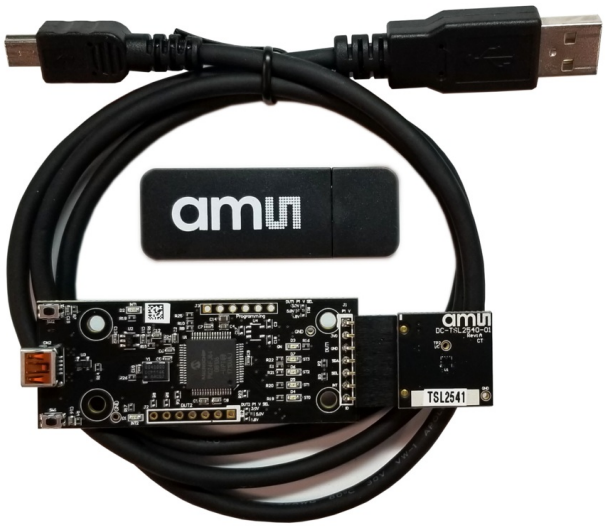


Ams TSL2521 EVM Highly Sensitive Ambient Light Sensor User Guide

Contents

1 Ams TSL2521 EVM Highly Sensitive Ambient Light Sensor
2 Out of the Box
3 Software Installation
4 Connect Hardware
5 Start the Application
6 Uninstall Application
7 Documents / Resources
8 Related Posts

Ams TSL2521 EVM Highly Sensitive Ambient Light Sensor



Highly Sensitive Ambient Light Sensor with Selective Flicker Detection and Fast Sampling for Use Behind OLED or Auxiliary to Camera

Out of the Box

For a detailed description of the TSL2521 TSL2521 EVMTSL2521 EVM, please refer to **User Guide:** Each TSL2521 Evaluation Kit comes with the following components:
Figure 1 : Evaluation Kit Contents

No.	Item	Description
1	TSL2521 Daughter Card	PCB with TSL2521 sensor installed
2	EVM Controller Board	Used to communicate USB to I2C
3	USB Cable (A to Micro-B)	Connects EVM controller to PC
4	Flash Drive	Includes application installer and documents

Software Installation

1. Plug the ams 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 TSL2521 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

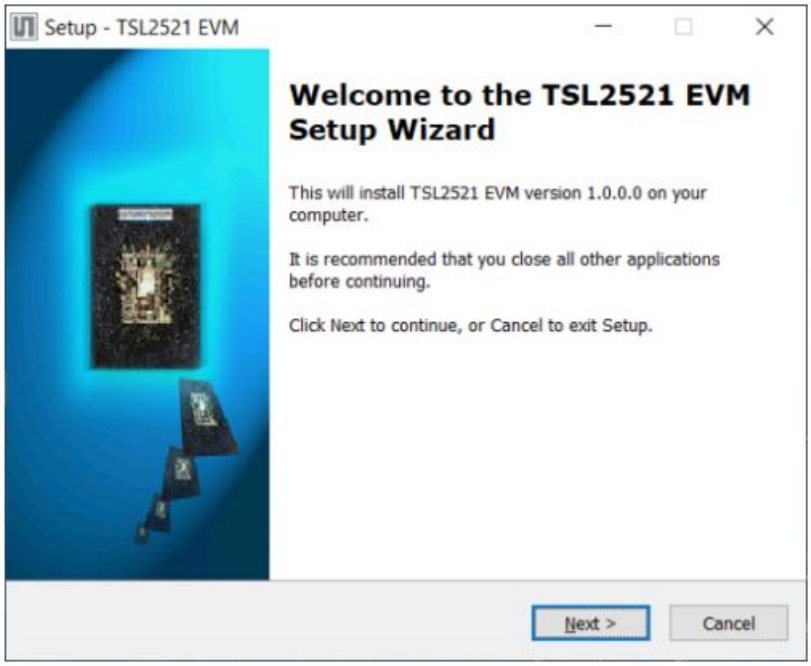


Figure 3: Liability Disclaimer

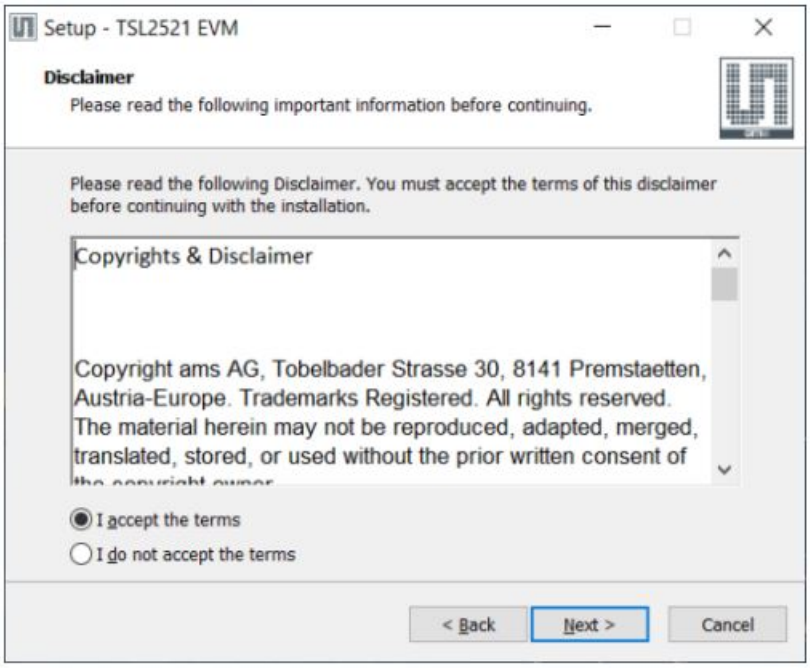


Figure 4: Select Installation Folder

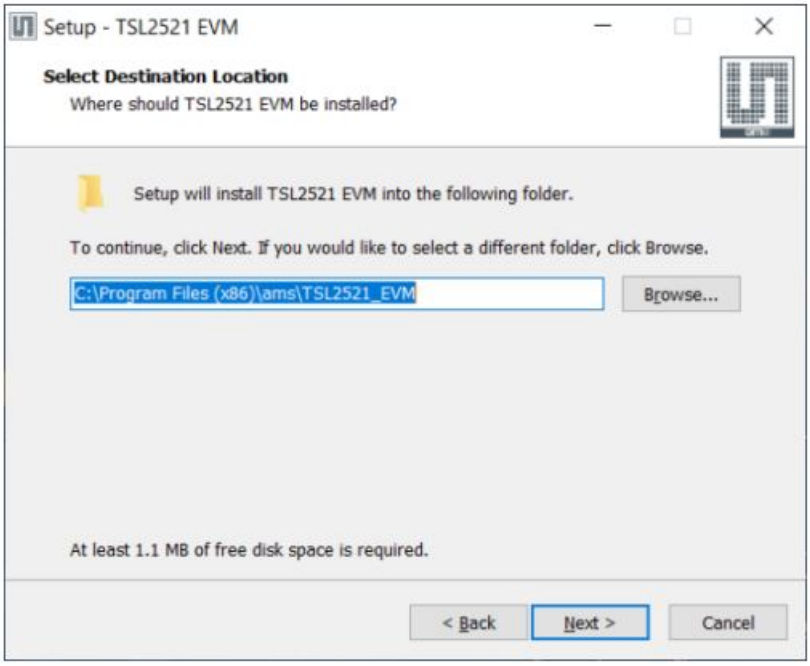


Figure 5: Select Start Menu Folder

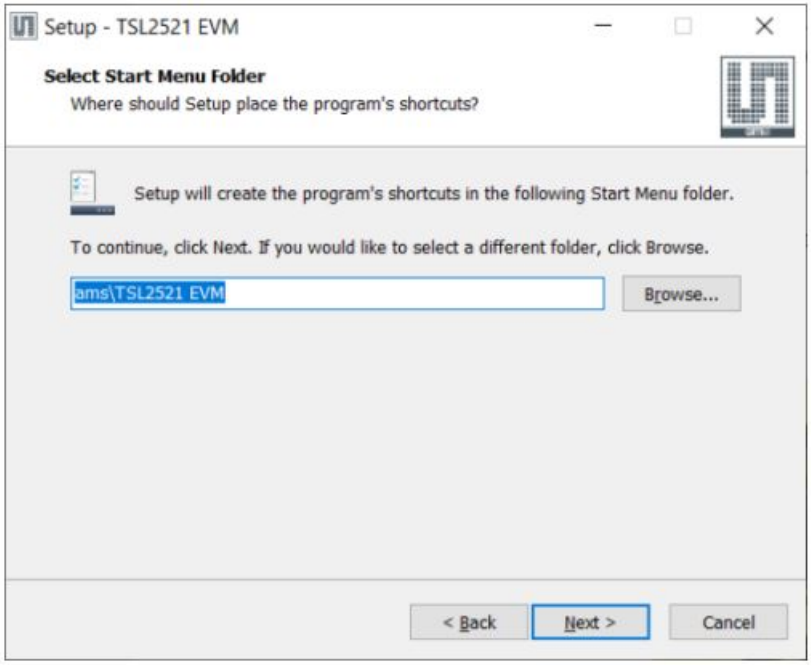


Figure 6: Installation in Progress

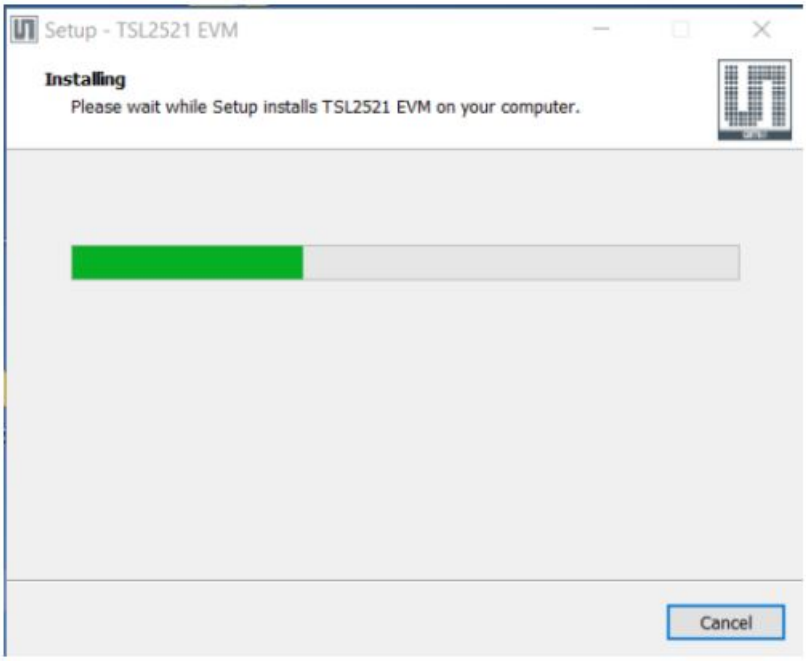


Figure 7: Information Screen

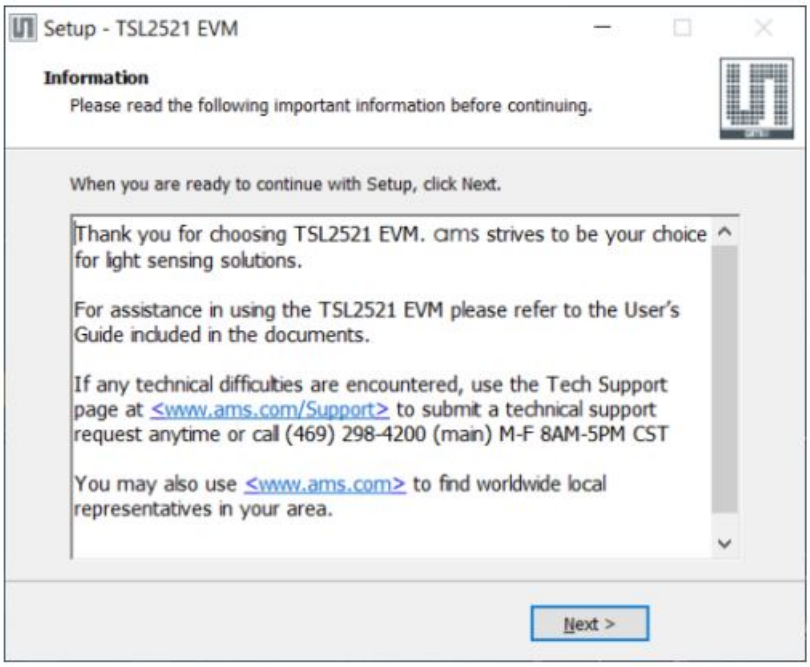
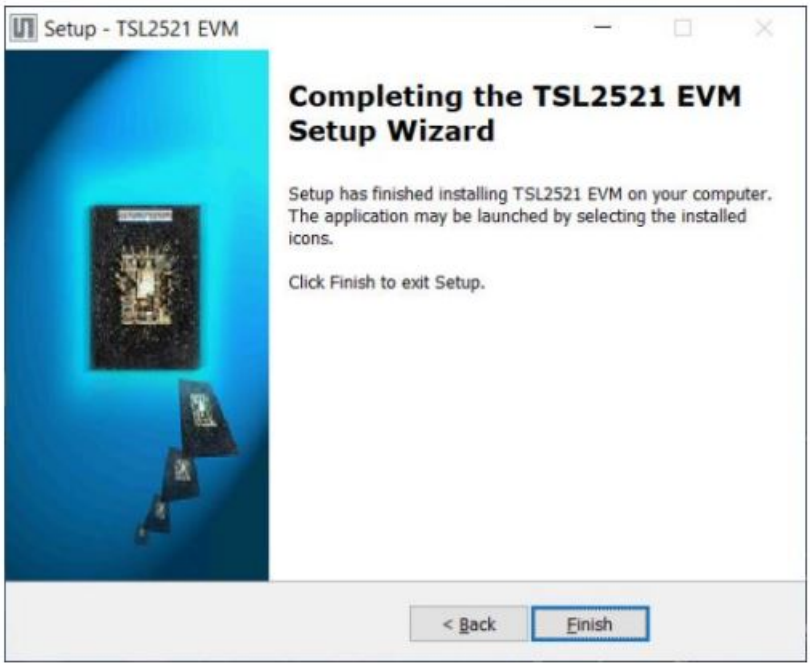


Figure 8: Installation Completed Successfully



Connect Hardware

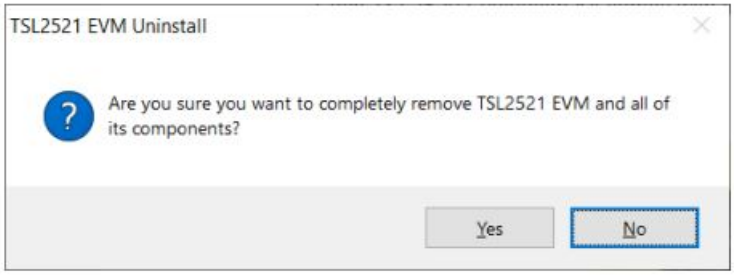
Plug the TSL2521 Daughterboard into the Controller board (Figure 1). Always use ESD procedures when handling the EVM.
Using the enclosed USB cable, plug the micro-B connector into the EVM module. Using the other end of the cable, plug the USB A-connector into a USB port on the computer.
When the USB 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.

Start the Application

To start the application select ams > TSL2521 EVM > TSL2521 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\TSL2521_EVM (Windows 32-bit operating systems)
C:\Program Files (x86)\ams\TSL2521_EVM (Windows 64-bit operating systems)
A different install path may be selected by the user during the install (Figure 4). When started, the TSL2521 window will open on the PC and automatically connect to the hardware.

Uninstall Application

To remove the software from your computer (Figure 9), select ams > TSL2521 EVM > Uninstall TSL2521 EVM or use the Windows Control Panel.
Figure 9: Remove Installation



Headquarters

ams AG

Tobelbader Strasse 30

8141 Premstaetten Austria, E urope

Tel: +43 (0) 3136 500 0

Please visit our website at **www.ams.com**

Buy our products or get free samples online at **www.ams.com/Products** Tech nical Support is available at **www.ams.com/Technical-Support**

Provide feedback about this document at **www.ams.com/Document-Feedback** For sales offices, distributors and representatives go to **www.ams.com/Contact** For further information and requests, e-mail us at **ams_sales@ams.com**

Copyright ams AG. Trademarks Registered. All rights reserved. The material herein may not be reproduced, ad apted, merged, translated, stored, or used without the prior written consent of the copyright owner.

ams AG shall not be liable to recipient or any third party for any damages, including but not limited to personal i njury, property damage, loss of profits, loss of use, interruption of business or indirect, special, incidental or con sequential damages, of any kind, in connection with or arising out of the furnishing, performance or use of the t echnical data herein. No obligation or

liability to recipient or any third party shall arise or flow out of ams AG rendering of technical or other services.

Documents / Resources

ams TSL2521 EVM Highly Sensitive Ambient Light Sensor [pdf] User Guide
ams, TSL2521, EVM, Highly, Sensitive, Ambient, Light, Sensor, QG001002

Manuals+.