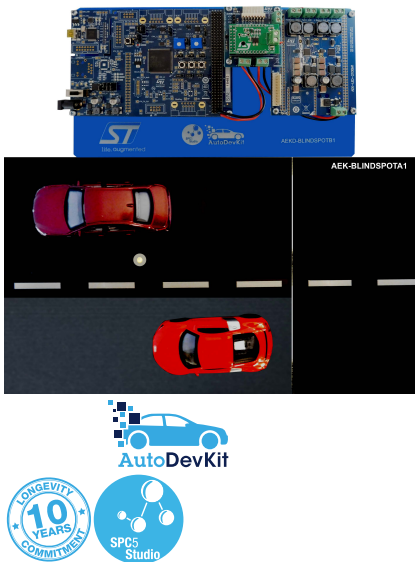


## Firmware for AEK-BLINDSPOTB1



## Features

- LED control through [AEK-LED-21DISM1](#)
- Conveyor belt control through [EV-VN7050AS](#)
- Magnetic field detection through Hall sensor
- Value sampling with [AEK-MCU-C4MLIT1](#) ADC
- LED light control based on magnetic field variation detected by Hall sensor
- Firmware downloadable onto [AEK-MCU-C4MLIT1](#) with [SPC5-UDESTK-SW](#)
- Source code available in [STSW-AUTODEVKIT](#) [AutoDevKit™](#) plugin version 1.1.0 (or higher)

## Description

The [STSW-BLINDSPOT](#) firmware allows a system-level function check of the blind-spot simulation detection kit consisting of the [AEKD-BLINDSPOTA1](#) demonstration hardware and the [AEKD-BLINDSPOTB1](#) board panel with all the required loads for specific applications.

The firmware can be downloaded onto the [AEK-MCU-C4MLIT1](#) board with the [SPC5-UDESTK-SW](#) debugging software to enable LED lighting and conveyor motor control, as well as signal sampling and magnetic field detection in the blind-spot detection kit.

The goal of the training kit is to support firmware development of vehicle blind-spot applications using the [SPC5-Studio](#) integrated development environment with [AutoDevKit](#) plugin extension, which includes the source code.

Product summary	
Firmware for AEK-BLINDSPOTB1	<a href="#">STSW-BLINDSPOT</a>
Blind-spot detection simulation kit	<a href="#">AEK-BLINDSPOTA1</a>
Blind-spot board panel	<a href="#">AEK-BLINDSPOTB1</a>
Development environment	<a href="#">SPC5-Studio</a>
<a href="http://community.st.com/autodevkit">community.st.com/autodevkit</a>	<a href="#">AutoDevKit</a>
AutoDevKit library plugin for SPC5-STUDIO	<a href="#">STSW-AUTODEVKIT</a>
SPC5-UDESTK Debugging Software for Windows	<a href="#">SPC5-UDESTK-SW</a>
MCU discovery board for SPC5 Chorus 4M automotive microcontroller with CAN transceivers	<a href="#">AEK-MCU-C4MLIT1</a>
Digitally controlled LED driver board for automotive lighting applications	<a href="#">AEK-LED-21DISM1</a>
VN7050AS evaluation board based on VIPower M0-7 technology	<a href="#">EV-VN7050AS</a>
Applications	<a href="#">Chassis and Safety</a>

## Revision history

**Table 1. Document revision history**

Date	Version	Changes
13-Feb-2020	1	Initial release.

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