



Software for STEVAL-LLL012V1 smart LED driver with high power factor using BLE mesh network for indoor lighting









Features

- Specifically designed to support smart home LED lighting applications and run on BLUENRG-M2SP wireless module
- BLE wireless mesh networking functionality for remote control of multiple nodes
- ON/OFF LED and dimming control capability with the support of ST BLE Mesh Android/iOS mobile app
- · 1% dimming resolution plus on/off control
- · Developer-friendly license terms

Description

The STSW-LLL012FW is dedicated to LED lighting control in a smart home scenario based on BLE mesh wireless networking technology using the STEVAL-LLL012V1 evaluation kit and enabling remote dimming plus on/off control from a single Android or iOS phone device, together with the ST BLE Mesh mobile app.

The firmware runs on the BLUENRG-M2SP integrated wireless module on the STEVAL- LLL012V1, featuring the HVLED001B high brightness LED driver.

STSW-LLL012V1FW is available for free download with developer-friendly license terms.

You can use it to test the BLUENRG-M2SP connectivity and HVLED001B LED power control functionality or to develop your own custom solutions.

Product summary		
Firmware for the STEVAL-LLL012V1 smart LED driver	STSW-LLL012FW	
Smart LED driver with high power factor using BLE Mesh network for indoor lighting	STEVAL-LLL012V1	
High power factor flyback controller	HVLED001B	
STSW-BNRG-Mesh is a software solution for connecting multiple BLE devices in Mesh networks	STSW-BNRG-Mesh	
Very low power application processor module for Bluetooth® low energy v5.2	BlueNRG-M2SP	
Applications	LED Lighting Smart Home	



Revision history

Table 1. Document revision history

Date	Version	Changes
24-Feb-2021	1	Initial release.

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