

---

**Firmware source for ST25R3911B-DISCO board**

---

**Data brief - production data****Features**

- The ST25R3911B-DISCO board is an HF reader and NFC initiator demonstration board and is composed, among other parts, of an ST25R3911B (high performance HF reader / NFC initiator IC) and an STM32L4 microcontroller.
- The ST25R3911B-DISCO board is controlled by the PC software and connected via USB.
- The firmware supports the following RF protocols:
  - ISO14443-A
  - ISO14443-B (including ST25TB series)
  - FeliCa™
  - ISO15693
  - Active Peer to Peer according to ISO18092
- Wakeup feature of ST25R3911B
- Automatic antenna tuning
- ST25R3911B register access

**Description**

STSW-ST25R002 software contains the ST25R3911B-DISCO firmware source, which is an USB HID controlled application for STM32L476.

It allows the GUI on the PC to control the ST25R3911B on the ST25R3911B-DISCO board and exchange arbitrary RF frames. The provided project is ready to be compiled using the Keil® toolchain.

## 1 Ordering information

STSW-ST25R002 is available for free download from the [www.st.com](http://www.st.com) website.

## 2 Revision history

Table 1. Document revision history

Date	Revision	Changes
10-Apr-2017	1	Initial release.

**IMPORTANT NOTICE – PLEASE READ CAREFULLY**

STMicroelectronics NV and its subsidiaries (“ST”) reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST’s terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers’ products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2017 STMicroelectronics – All rights reserved