



STM32W-RFCKIT

STM32W low-cost RF control kit

Data brief

Features

- STM32W System-on-Chip 32-bit ARM® Cortex™-M3 processor
- 2.4 GHz IEEE 802.15.4 transceiver and Lower MAC
- Flash memory upgrade capability via USB
- ARM Serial Wire Debug (SWD) interface (Remote board)
- Designed to be powered by USB or with 2 AAA batteries (Remote board)
- Two user-defined LEDs (green and yellow)
- Five push buttons to create easy-to-use remote functions (Remote board)
- Interoperable with other STM32W tool boards to enlarge wireless network capabilities
- 802.15.4, ZigBee RF4CE wireless protocols

Description

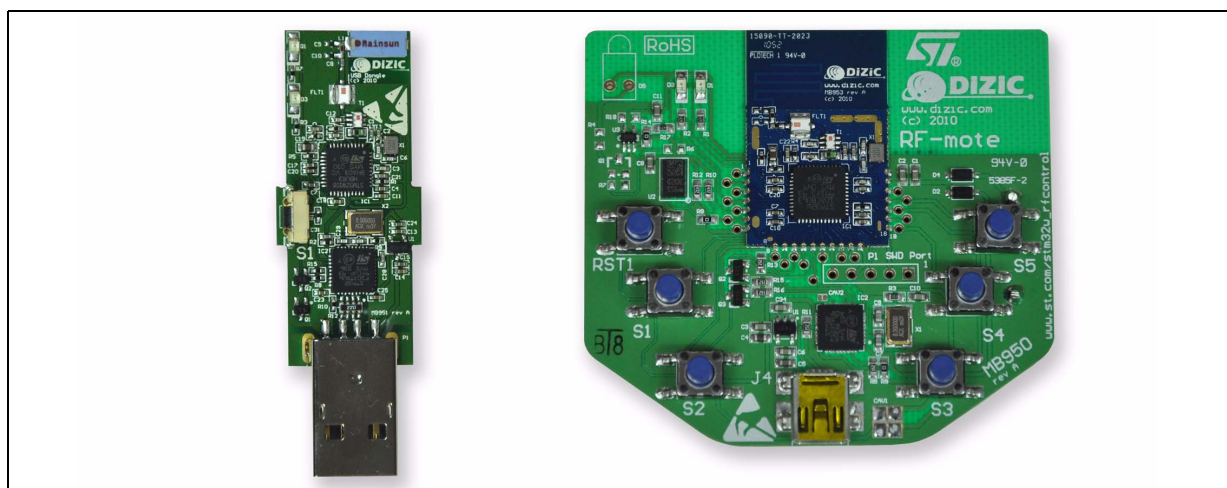
The STM32W RF Control Kit is a low-cost and quick way to get started using STM32W-based point-to-point wireless control applications.

It includes everything required by beginners and experienced users to start developing RF control systems. The STM32W RF control kit includes one remote board and one receiver board (USB dongle), both using the STM32W microcontroller.

Both boards are also fitted with an STM32F103 microcontroller providing an easy-to-connect solution to a PC via USB.

Debug capabilities are provided by a mini-JTAG connector interface on the remote board (not fitted).

Free, ready-to-run application firmware are provided at www.st.com/stm32w_rfcontrol.



1. The board picture is not contractual.

Table 1. Device summary

| Order code | Reference |
|----------------|---|
| STM32WC-RFCKIT | STM32W low-cost RF control kit (STM32W 256-Kbyte Flash) |
| STM32W-RFCKIT | STM32W low-cost RF control kit (STM32W 128-Kbyte Flash). Replaced by STM32WC-RFCKIT |

1 System requirements

- Windows® PC (XP)
- USB type A to mini-B cable

2 Demonstration software

The demonstration software is pre-loaded in the board's Flash memory for an easy evaluation of RF communication in Standalone mode. For more information and to download the latest version available, please refer to www.st.com/stm32w_rfcontrol.

3 Revision history

Table 2. Document revision history

| Date | Revision | Changes |
|-------------|----------|---|
| 19-Jan-2011 | 1 | Initial release. |
| 13-Dec-2012 | 2 | Edited <i>Features</i> and <i>Description</i> . Added <i>Table 1: Device summary</i> . Removed <i>Section 2: Development toolchain</i> . |

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