

Wireless Security Remote Control Development Kit Information Sheet

Overview

The Wireless Security Remote Control Development Kit is a demonstration and development platform for wireless security remote control applications. The kit demos two security protocols, KeeLoq® Classic and KeeLoq® AES.

The kit contains a four button key fob transmitter based on the PIC12LF1840T39A, receiver PICTail™ daughterboard, and Embedded Security Development Board. The kits can be purchased in one of three transmit frequencies: 433.92, 868, and 915 MHz.

Contents

The Wireless Security Remote Control Development Kits have three frequency choices:

- Wireless Security Remote Control Development Kit – 433.92 MHz (DM182017-1)
- Wireless Security Remote Control Development Kit – 868 MHz (DM182017-2)
- Wireless Security Remote Control Development Kit – 915 MHz (DM182017-3)

Each Kit contains:

- PIC12LF1840T39A Wireless Remote Key Fob
- SX1239 Receiver PICTail
- Embedded Security Development Board
- USB Cable

User's Guide

The Wireless Security Remote Control Development Kit User's Guide is available for download from the Microchip web site: <http://www.microchip.com/security>.

Getting Started

For more information on using the Wireless Security Remote Control Development Kit, refer to the section "Getting Started" in the "Wireless Security Remote Control Development Kit User's Guide".

Software

The Wireless Security Remote Control Development Kit is preprogrammed with two security protocols, KeeLoq Classic and KeeLoq AES. Wireless Security Remote Control Development Kit software and firmware updates can be downloaded from the Microchip web site: <http://www.microchip.com/security>.

Regulatory Information

United States

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Canada

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.