.steute

User’s Manual RFRXSW915

Content

The purpose of this manual is to explain how to integrate module RFRXSW915 to the end product. It includes procedures that shall assist you to avoid unforeseen problems. This manual presents information that shows how module complies with regulations in certain regions. Any modifications, not expressly approved by the manufacturer could void the authority to operate in these regions.

1. General

This module has to be installed and used in accordance with the technical description / installation instructions provided by the manufacturer.

For detail information concerning type approval of this module (e.g. where this module is already pre-approved) please contact the authorized local distributor or the manufacturer.

The system may only be implemented in the configuration that was authorized.

Note that any changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

2. Application Information

The module RFRXSW915 is designed for use with the **steute** wireless product portfolio.

3. FCC/IC Regulatory Information

This device complies with part 15 of the FCC rules and RSS-210 of IC 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.
Modifications not expressly approved by this company could void the user's authority to operate the equipment.

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.

Exposure to Radio Frequency (RF) Signals:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

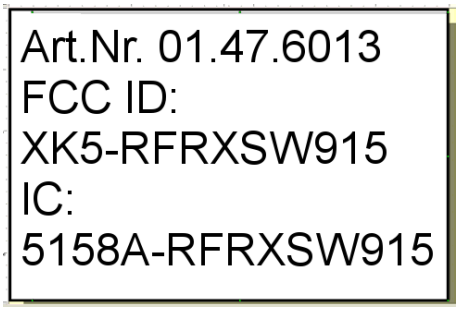
This equipment must provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Not Authorized modification could void authority to use this equipment.

3.1 Labelling

steute module RFRXSW915 is labelled as below.

Module U.FL connector



This device contains FCC-ID XK5-RFRXSW915.
This device contains IC 5158A-RFRXSW915.

This label will be placed on the final product, clearly visible to all persons exposed to the transceiver. The specific location on the final product will be consistent with each same final product. The physical size of the label and font size of the lettering is fixed.

3.2 Antenna implementation notes

This device has been designed to operate with the antennas listed below, connected via U.FL – SMA adapter cable, and having a maximum gain of 5 dBi. Use of an antenna of a different type than the tested antenna or one that exceeds the gain of a tested antenna would require retesting and new approval by either a Telecommunication Certification Body or the Commission. The required antenna impedance is 50 ohms.

Specification of external antennas for RFRXSW915 is described as following.

Model Name:	MC0114037
Manufacturer:	MC Technologies
Description:	Magnet foot antenna, 320 mm
steute Type:	01.08.0438
steute Ordering Number:	1188957
Max Gain:	5 dBi

Model Name:	MC0114036-SMA-ST
Manufacturer:	MC Technologies
Description:	Magnet foot antenna, 105 mm
steute Type:	01.08.0413
steute Ordering Number:	1187077
Max Gain:	0 dBi

Radio module RFRXSW915 can be incorporated into many different devices. The modules generally consist of a completely self-contained radiofrequency transceiver missing only an input and a power source to make it functional. Once the modules are authorized by the Commission under our certification procedure, they may be incorporated into a number of host devices such as, PCs or PDAs, which have been separately authorized. The completed product generally is not subject to requirements for further certification by the FCC.

4. Separate Approval

A separate approval of the device into which the module is incorporated is only required when it cannot be insured that the conditions on the module grant will be met. The purchaser must satisfy all relevant FCC, IC and EMC directives which apply to their finished product.

steute Schaltgeräte GmbH & Co. KG
Brückenstraße 91
32584 Löhne, Germany

Telefon +49 (0) 57 31 / 7 45 - 0
Telefax +49 (0) 57 31 / 7 45 - 200
eMail: info@steute.de
www.steute.com

Technical changes without prior notice!

Version: 2012-01-17
MADE IN GERMANY