

User Manual

SMK Transceiver Module

MODEL RXX9000-09XXF

The purpose of this manual is to explain correct way how to integrate module RXX9000-09XXF to the end product. It includes procedures that shall assist you to avoid unforeseen problems. This manual presents information that shows how module and OEM product, where module integrated, complies with regulations in certain regions. Any modifications, not expressly approved by the manufacturer could void the authority to operate in these regions.

The SMK Transceiver Module, model RXX9000-09XXF 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.

Concept of SMK Transceiver Module, RXX9000-09XXF

This Module is a 2.4 GHz ISM band small-power transceiver module with a built-in antenna. With UART and PWM output provided as an interface, sending and receiving of wireless data is a matter of simplicity via UART. PWM can output received wireless data in several decoded formats of remote control data.

Regulatory Information

USA-Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of 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. If not installed and used in accordance with the instructions, it 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 tuning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

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

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.

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

Labelling

SMK Transceiver module RXX9000-09XXF labelled as below.

FCC ID:GT3FC003

The proposed FCC ID label format is to be placed on the module. If FCC ID is not visible when the module is installed into the system, "Contains FCC ID:GT3FC003" shall be placed on the outside of final host system.

Caution: Exposure to Radio Frequency Radiation.

To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

Europe-EU Declaration of Conformity and Restrictions

European Community Declaration of Conformity with Regard to the R&TTE Directive 1999/5/EC

The following standards were applied:

- Radio: EN 300-328 v1.6.1 (2.4GHz operation)
- EMC: EN 301.489-1 v1.6.1, EN 301.489-17 v1.2.1
- Safety: EN 60950-1:2001

We hereby declare that the human exposure of the Mitsumi module WML-C43 is below the SAR limits specified in the EU recommendation 1999/519/EC (the applicable limits are specified in table 1 with 2W/kg).

The following CE mark is affixed to the device:











Note: This equipment is intended to be used in all EU and EFTA countries. Outdoor use may be restricted to certain frequencies and/or may require a license for operation. For more details, contact your customer service representative.

To comply with RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

Member States shall ensure that the manufacturer or the person responsible for placing the apparatus on the market provides information for the user on the intended use of the apparatus, together with the declaration of conformity to the essential requirements. Where it concerns radio equipment, such information shall be sufficient to identify on the packaging and the instructions for use of the apparatus the Member States or the geographical area within a Member State where the equipment is intended to be used and shall alert the user by the marking on the apparatus referred to in Annex VII, paragraph 5, to potential restrictions or requirements for authorization of use of the radio equipment in certain Member States.

Declaration of Conformity with Regard to the R&TTE Directive 1999/5/EC

 Český [Czech]	<i>SMK Corporation</i> tímto prohlašuje, že tento <i>RXX9000-09XXF</i> je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/EC.
 Dansk [Danish]	Undertegnede <i>SMK Corporation</i> erklærer herved, at følgende udstyr <i>RXX9000-09XXF</i> overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EC.
 Deutsch [German]	Hiermit erklärt <i>SMK Corporation</i> dass sich das Gerät <i>RXX9000-09XXF</i> in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EC befindet.
 Eesti [Estonian]	Käesolevaga kinnitab <i>SMK Corporation</i> seadme <i>RXX9000-09XXF</i> vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
 English [English]	Hereby, <i>SMK Corporation</i> declares that this <i>RXX9000-09XXF</i> is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
 Español [Spanish]	Por medio de la presente <i>SMK Corporation</i> declara que el <i>RXX9000-09XXF</i> cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/EC.
 Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ <i>SMK Corporation</i> ΔΗΛΩΝΕΙ ΟΤΙ <i>RXX9000-09XXF</i> ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/EC.
 Français [French]	Par la présente <i>SMK Corporation</i> déclare que l'appareil <i>RXX9000-09XXF</i> est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/EC.
 Italiano [Italian]	Con la presente <i>SMK Corporation</i> dichiara che questo <i>RXX9000-09XXF</i> è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/EC.

Latviski [Latvian]	Ar šo <i>SMK Corporation</i> deklarē, ka <i>RXX9000-09XXF</i> atbilst Direktīvas 1999/5/EC būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lietuvių [Lithuanian]	Šiuo <i>SMK Corporation</i> deklaruoja, kad šis <i>RXX9000-09XXF</i> atitinka esminius reikalavimus ir kitas 1999/5/EC Direktyvos nuostatas.
 Nederlands [Dutch]	Hierbij verklaart <i>SMK Corporation</i> dat het toestel <i>RXX9000-09XXF</i> in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EC.
 Malti [Maltese]	Hawnhekk, <i>SMK Corporation</i> , jiddikjara li dan <i>RXX9000-09XXF</i> jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.
 Magyar [Hungarian]	Alulírott, <i>SMK Corporation</i> nyilatkozom, hogy a <i>RXX9000-09XXF</i> megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
 Polski [Polish]	Niniejszym, <i>SMK Corporation</i> , deklaruje, że <i>RXX9000-09XXF</i> spełnia wymagania zasadnicze oraz stosowne postanowienia zawarte Dyrektywie 1999/5/EC.
 Português [Portuguese]	<i>SMK Corporation</i> declara que este <i>RXX9000-09XXF</i> está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/EC.
 Slovensko [Slovenian]	<i>SMK Corporation</i> izjavlja, da je ta <i>RXX9000-09XXF</i> v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/EC.
Slovensky [Slovak]	<i>SMK Corporation</i> týmto vyhlasuje, že <i>RXX9000-09XXF</i> spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/EC.
 Suomi [Finnish]	<i>SMK Corporation</i> vakuuttaa täten että <i>RXX9000-09XXF</i> tyyppinen laite on direktiivin 1999/5/EC oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
 Svenska [Swedish]	Härmed intygar <i>SMK Corporation</i> att denna <i>RXX9000-09XXF</i> står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EC.