

## WML- 43 User Manual

The purpose of this manual is to explain correct way how to integrate module WML- 43 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.

### Content

1. General
2. European Community Declaration of Conformity with Regard to the R&TTE Directive 1999/5/EC
3. FCC Regulatory Information
4. Canada-Industry Canada (IC)
5. DGT Warning Statement

### 1. General

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

This Bluetooth radio module is intended to be placed on the market in all States, where the Bluetooth™ technology and the used frequency band is released.

For detail information concerning type approval of this module (e.g. where this module is already pre-approved) please contact 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. European Community Declaration of Conformity with Regard to the R&TTE Directive 1999/5/EC

Hereby, MITSUMI declares that The Mitsumi module WML-C43 complies with the following directive and standards:

Directive **1999/5/EG** (R&TTE Directive):

**EN 300 328 V1.6.1(2004-11)**, Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2,4GHz ISM band and using wide band modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

**EN 301 489-01 V1.4.1 (2002-08)**, Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

**EN 301 489-17 V1.2.1 (2002-08)**, Electromagnetic Compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for wideband data HyperLAN equipment

**EN 60950-1**, Safety of Information Technology Equipment.

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 technical documentation as required by the Conformity Assessment procedure is kept at the following address :

2-11-2, TSURUMAKI, TAMA-SHI, TOKYO, 206-8567 JAPAN.

MITSUMI ELECTRIC CO., LTD.

ACCESS DEVICE ENGINEERING DEPT.

INTERFACE EQUIPMENT BUSINESS DIVISION

COMPONENT DEVICES BUSINESS HQ

TEL: +81-42-310-5829

FAX: +81-42-310-5582

### Labelling

CE conformity marking for product.



### 3. FCC Regulatory Information

The Federal Communication Commission Radio Frequency Interference Statement includes the following paragraph:

This equipment has been tested and found to comply with the limits pursuant to 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.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and radiates radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication.

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.

FCC RF Radiation Exposure Statement:

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter 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.

#### **Labelling.**

MITSUMI module WML-43 labelled as below.

**FCC ID:POOWML-C43**

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:POOWML-C43" shall be placed on the outside of final host system. "POOWML-C43" is the ID of the module.

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## 4. Canada-Industry Canada (IC)

This device complies with RSS 210 of Industry Canada.

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 this device.

L'` utilisation de ce dispositif est autorisée seulement aux conditions suivantes :

- (1) il ne doit pas produire de brouillage et
- (2) l'` utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

The term "IC" before the equipment certification number only signifies that the Industry Canada technical specifications were met.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

Pour empêcher que cet appareil cause du brouillage au service faisant l'` objet d'` une licence, il doit être utilisé à l'` intérieur et devrait être placé loin des fenêtres afin de fournir un écran de blindage maximal. Si le matériel (ou son antenne d'` émission) est installé à l'` extérieur, il doit faire l'` objet d'` une licence.

### Caution: Exposure to Radio Frequency Radiation.

The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website at [www.hc-sc.gc.ca/rpb](http://www.hc-sc.gc.ca/rpb).

## 5. DGT Warning Statement

低功率電波輻射性電機管理辦法

第十二條經型式認證合格之低功率射頻電機，非經許可，公司、商號或使

用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發

現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信規定作業之無線電信。低功率射頻電機須忍受合法通信

或工業、科學及醫療用電波輻射性電機設備之干擾。

### Translation:

#### Article 12

Without permission, any company, firm or user shall not alter the frequency, increase the power, or change the characteristics and functions of the original design of the certified lower power frequency electric machinery.

#### Article 14

The application of low power frequency electric machineries shall not affect the navigation safety nor interfere a legal communication, if an interference is found, the service will be suspended until improvement is made and the interference no longer exists.

The foregoing legal communication refers to the wireless telecommunication operated according to the telecommunications laws and regulations.

The low power frequency electric machinery should be able to tolerate the interference of the electric wave radiation electric machineries and equipments for legal communications or industrial and scientific applications.

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