

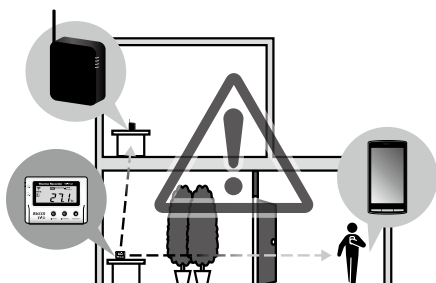
# Regarding the Use of Wireless Devices (TR-7wb Series)

## Precautions when Installing Wireless Communication Devices

Wireless signals are affected by device placement and interference caused by other environmental factors. The following factors can especially cause an unstable wireless connection, please be mindful of them when deploying devices.

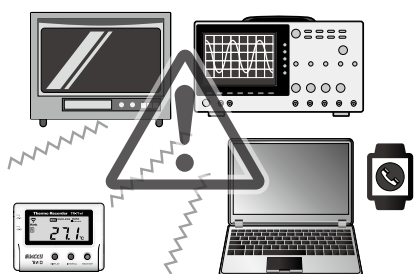
### Physical Objects:

Placing wireless devices far from each other and/or near to obstacles (such as metal objects, concrete, plants, etc.) may lead to a poor wireless connection.



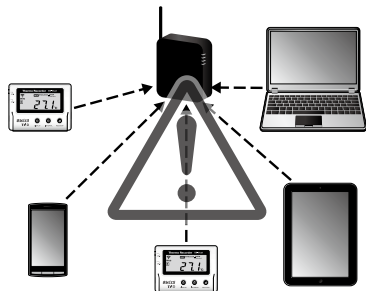
### Electrical Interference:

Placed near cooking equipment such as microwave ovens or communication devices that generate electromagnetic waves.



### Access Point Capacity:

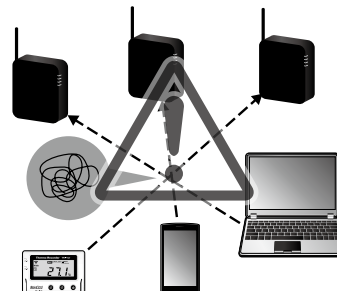
Having many devices connected to one access point simultaneously.



Regarding how many wireless devices can simultaneously connect to an access point and still maintain stable connections, please contact the manufacturer of the wireless access point.

### Channel Congestion:

Using multiple wireless LAN access points with the same communication frequency channel.



Change the wireless LAN access point settings to assign a non-overlapping channel to each access point.

Note: If unstable wireless connection continues, not only will more data transmission errors occur, but battery life will also be shortened.

## 電波に関するご注意

本製品は電波法に基づく特定小電力無線機器として、技術基準適合証明（利用に関してはお客様の免許申請等が不要）を受けています。必ず次の点を守ってお使いください。

- ・ 分解・改造をしないでください。分解・改造は法律で禁止されています。
- ・ 技術基準適合ラベルをはがさないでください。ラベルのないものの使用は禁止されています。
- ・ この製品は日本国外での電波法には準じておりません。日本国内でご使用ください。

### Bluetooth low energy・無線 LAN の電波に関して

本製品の使用周波数帯（2.4GHz）では、電子レンジ等の産業・科学・医療用機器のほか工場の製造ライン等で使用されている移動体識別用の構内無線局（免許を要する無線局）及び特定小電力無線局（免許を要しない無線局）並びにアマチュア無線局（免許を要する無線局）が運用されています。

1. 本製品を使用する前に、近くで移動体識別用の構内無線局及び特定小電力無線局並びにアマチュア無線局が運用されていないことを確認してください。
2. 万一、本製品から移動体識別用の構内無線局に対して有害な電波干渉の事例が発生した場合には、速やかに使用周波数を変更するか又は電波の発射を停止した上、下記連絡先にご連絡頂き、混信回避のための処置等（例えば、パーティションの設置など）についてご相談してください。
3. その他、本製品から移動体識別用の特定小電力無線局あるいはアマチュア無線局に対して有害な電波干渉の事例が発生した場合など何かお困りのことが起きたときは、弊社までお問い合わせください。

連絡先：ティアンドデイオンラインサポート <https://www.tandd.co.jp/support/>

### 電波の種類と干渉距離

#### Bluetooth low energy

2.4 FH 3

- 2.4 2.4GHz 帯を使用する無線設備を表します。
- FH 変調方式が「FH-SS 方式」であることを表します。
- 3 想定される干渉距離が 30m 以下であることを表します。
- 全帯域を使用し、かつ移動体識別装置の帯域を回避不可で有ることを表します。

#### 無線 LAN (IEEE 802.11b/g/n)

2.4 DS/OF 4

- 2.4 2.4GHz 帯を使用する無線設備を表します。
- DS/OF 変調方式が「DS-SS/OFDM 方式」であることを表します。
- 4 想定される干渉距離が 40m 以下であることを表します。
- 全帯域を使用し、かつ移動体識別装置の帯域を回避可能で有ることを表します。

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## For TR-71wb / TR-72wb / TR-72wb-S / TR-75wb

### <For FCC Model>

#### FCC Statement

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.

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.

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

#### ISED Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: 1. This device may not cause interference. 2. This device must accept any interference, including interference that may cause undesired operation of the device.

This digital apparatus complies with CAN ICES-3(B)/NMB-3(B).

*L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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; 2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

*Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.*

#### FCC/ISED Radiation Exposure Statement

This equipment complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the ISED radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

*Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles des radioélectriques (RF) de la FCC lignes directrices d'exposition et d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'ISDE. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le radiateur et le corps humain.*

#### Location of FCC ID and IC Certification Number

The FCC ID and IC ID can be found inside the battery compartment of your device.

### <For CE Model>

#### CE Statement

The TR-7wb Series products are in compliance with the Radio Equipment Directive 2014/53/EU.

The following standards have been applied:

- |                     |                                                                   |
|---------------------|-------------------------------------------------------------------|
| <Safety and Health> | EN 60950-1<br>EN 62311                                            |
| <EMC>               | EN 301 489-1<br>EN 301 489-17                                     |
| <Radio Spectrum>    | EN 300 328 (WLAN: receiver category 1 / BLE: receiver category 2) |

The full text of the EU declaration of conformity is available at the following internet address:

[http://cdn.tandd.co.jp/glb/manual/DoC\\_TR-7wb\\_Series.pdf](http://cdn.tandd.co.jp/glb/manual/DoC_TR-7wb_Series.pdf)

### <Important Notice>

Wireless products cannot be used in countries other than where those products have been approved for use, according to that country's wireless regulations.

T&D Corporation shall in no manner whatsoever take responsibility for the usage of these products, nor be liable in any manner for legal consequences stemming from the usage of these wireless products in unapproved areas.

## For TR-71nw / TR-72nw / TR-72nw-S / TR-75nw

### <For FCC Model>

#### FCC Statement

This device complies with Part 15 of the Federal Communications Commission (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.

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.

To comply with the limits for the Class B digital device, pursuant to Part 15 of the FCC Rules, this device must be installed in computer equipment certified to comply with the Class B limits.

All cables used to connect the computer and peripherals must be shielded and grounded. Operation with non-certified computers or non-shielded cables may result in interference to radio or television reception.

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

#### ISED Statement

This digital apparatus complies with CAN ICES-3(B)/NMB-3(B).

*Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.*

### <For CE Model>

#### CE Statement

The TR-7nw Series products are in compliance with the EMC Directive 2014/30/EU.

The following standards have been applied:

- |       |                                       |
|-------|---------------------------------------|
| <EMC> | EN 55032: 2012/2015<br>EN 55024: 2010 |
|-------|---------------------------------------|

The full text of the EU declaration of conformity is available at the following internet address:

[http://cdn.tandd.co.jp/glb/manual/DoC\\_TR-7nw\\_Series.pdf](http://cdn.tandd.co.jp/glb/manual/DoC_TR-7nw_Series.pdf)