



## trakital C9T Bluetooth Social Distancing and Temperature Monitoring User Manual

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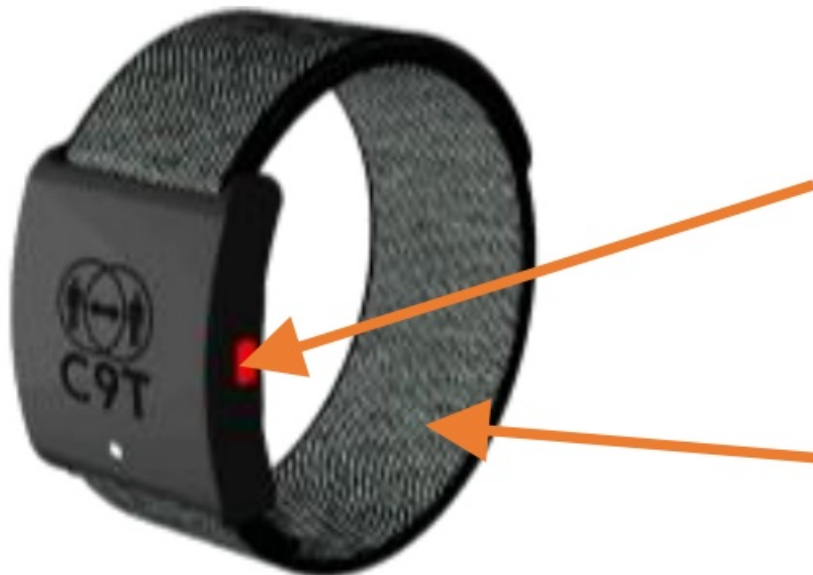


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## The C9T Bracelet

- **Red Push Button**
  - 1. On and Off Switch
  - 2. Pager to Administrator
- **Velcro Material Strap**
  - 1. Comfortable Strap
  - 2. Velcro Adjustable



- **USB Plug in Socket**

1. Micro USB connector
2. Plug in USB to charge

- **Multi Color LED Light**

1. Normal & Alarm status
2. Battery & Pager status
3. Social Distancing violation & High Temperature visual alerts



#### **What's in the box**

1. 1 x Bracelet Body Device
2. 1 x Velcro Material Strap
3. 1 x USB Charger Cable
4. 1 x User Manual

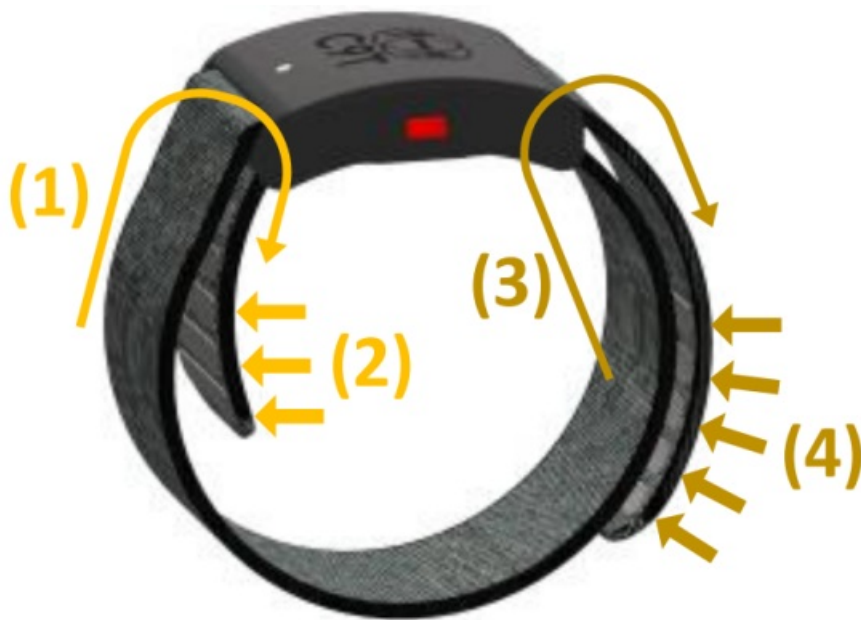


**Note:**

Please read this manual carefully before use the device.

#### **To use the C9T Bracelet**

1. Take out the bracelet body and the Material Velcro Strap from the box and assemble the strap as below:



2. To turn the device on, press the Red button until the LED lights either a fixed Green colour if the bracelet battery is charged or flash Yellow if it needs charging.
3. Its recommended to charge the bracelet for 2 hours before use. Take out the USB Cable and plug into the Bracelet to charge it in a USB port. The LED light will flash Green during charging and be fixed Green when fully charged.
4. Once fully charged the C9T Bracelet is ready to use.

### Bracelets functions

**C9T BT (Bluetooth Version)** has a Black plastic body  
Uses Mobile phone App for Bluetooth Data Transmission

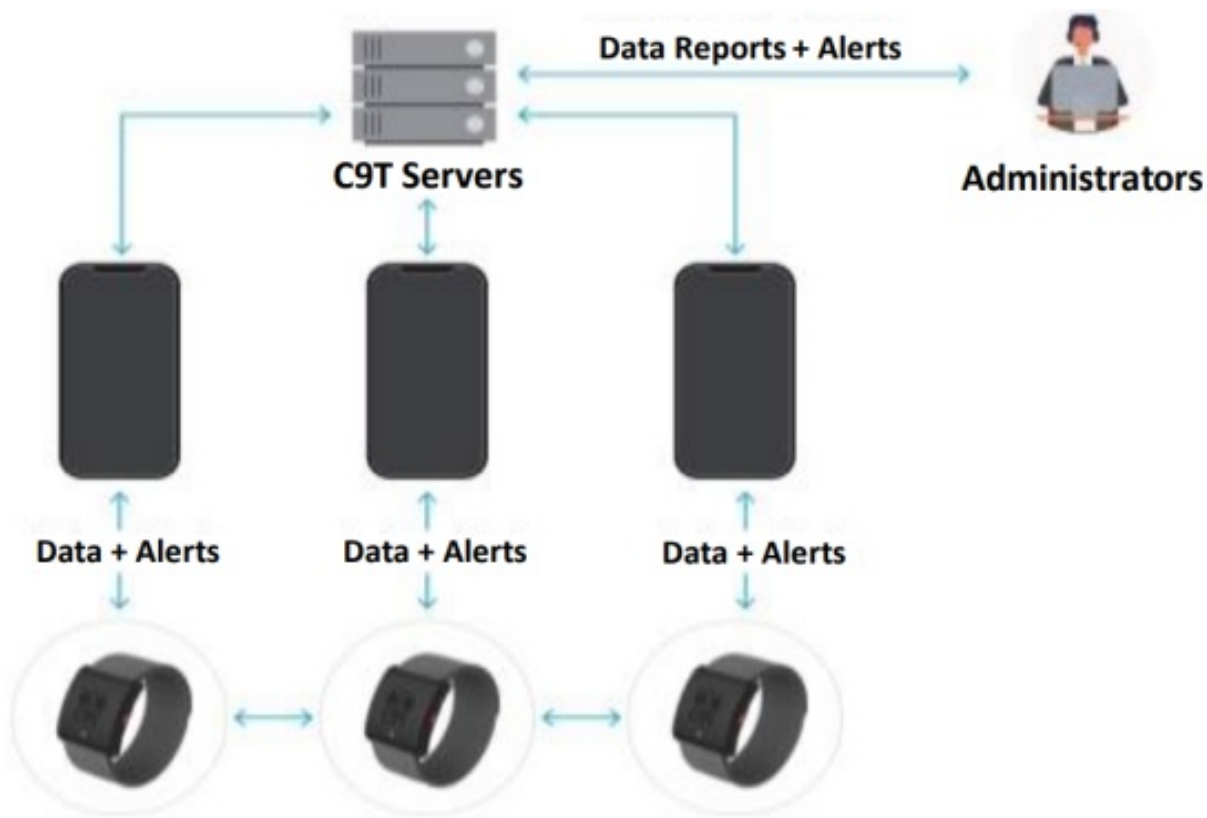


**C9T WF (Wi Fi Version)** has a Dark Grey plastic body  
Uses Registered Wi-Fi networks to transmit and receive data




FUNCTION AND MEANINGS	LED (COLOUR AND STATUS)		VIBRATION
Bracelet Requires Setup	<b>CYAN</b>	Continual Flashing	None
Battery Charged Unit is ON	<b>GREEN</b>	Fixed	None
Battery Charging	<b>GREEN</b>	Continual Flashing	None
Battery is Low, Need Charging	<b>YELLOW</b>	Continual Flashing	4 Short vibration
User High Temperature Alert	<b>RED</b>	Fixed	1 Long Vibration
Other User High Temp Alert	<b>RED</b>	Continual Flashing	Continual Vibration until distanced
Social Distance Violation Alert	<b>MAGENTA</b>	3 Flashes	1 Short vibration
Pager Sent Confirmation	<b>BLUE</b>	1 Flash	1 Short vibration
Pager Receive A Pager Alert	<b>BLUE</b>	Continual Flashing	Continual Vibration until confirmed

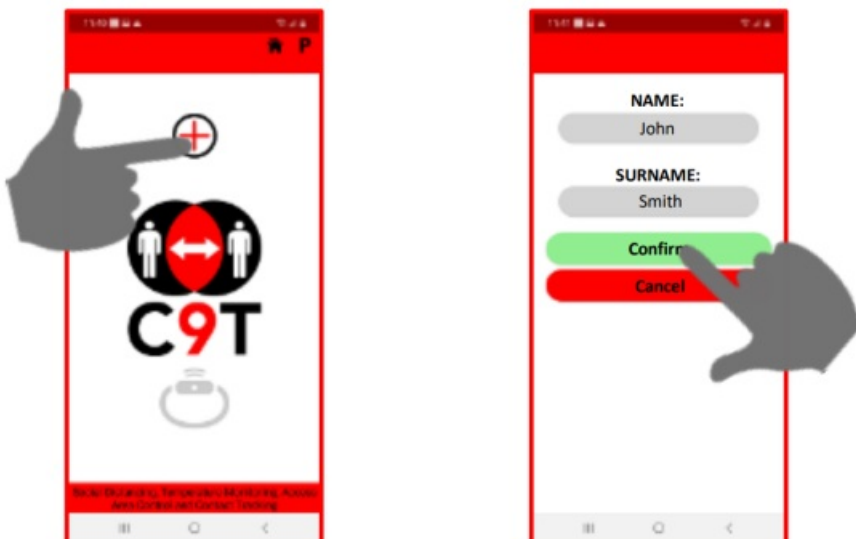
### C9T BT (Bluetooth Version)



The first time the C9T BT Bracelet is used, the LED light will flash a CYAN colour, this means the bracelet needs to be setup and registered by the user onto the C9T Web based Server Network. This is done by the user downloading an App C9Teen. Once setup, the system will anonymously store interaction data such as Social Distance Violations, their durations and other users involved. High body temperatures cases are stored and alerted to the Network Administrators and to other users in the immediate vicinity

### Setting up the Device to be used on the C9T Network

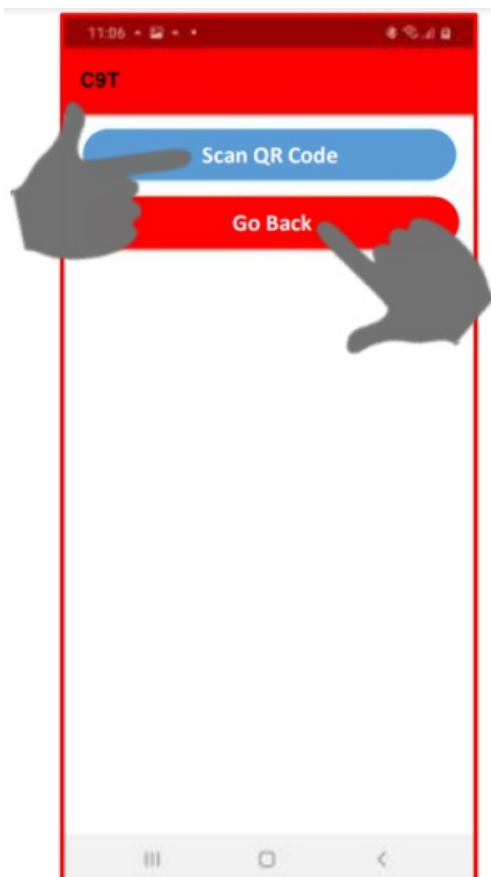
1. Once the bracelet is fully charged and is ready to use. Download and Install the “C9Teen” App from Apple Store or Google Play onto the user’s Mobile Phone.
2. First press the plus icon  to register the user’s full name. Once the name has been registered press the CONFIRM bar. This will then prompt the user to scan their unique QR Code for automatic registering.



3. Scan the unique QR code found on the inside of the back cover of this user manual.

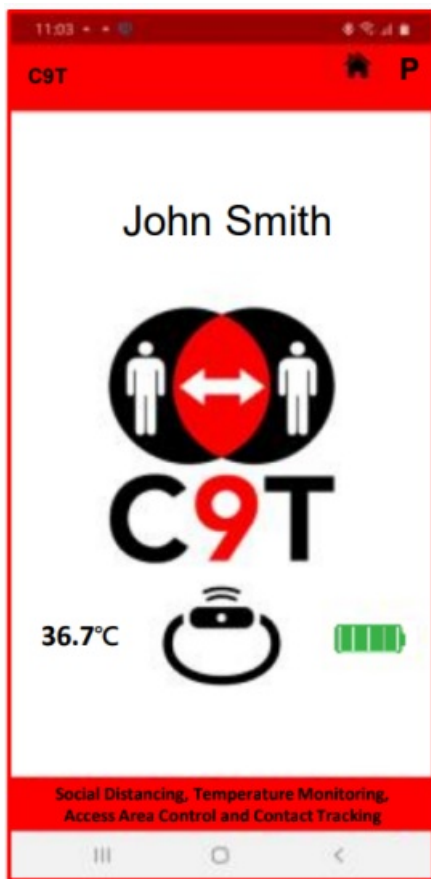


4. Once scanned press the GO BACK Bar.



5. Once the unique QR Code has been scanned the home page will display the users name, their body temperature, a bracelet icon and a battery charge level indicator. The user bracelet is now registered on C9T Network, confirmed by a fixed Green LED light.
6. The user now wears the bracelet and carries on their daily activities. The bracelet will give Vibration and LED light alerts when a social distancing violation occurs, a high temperature of user or other user is monitored or when the user is paged by a Top or Team administrator.





### Social Distancing

The C9T Bracelet will scan and search continuously for other C9T Bracelets. The social distance is set by the C9T Network Administrator from 1m to 3m. When the preset safety distance is violated the user will receive a short single Vibration Alert and the LED light will flash three times in MAGENTA. The bracelet will then record the SDV (Social Distance Violation), along with the duration of the SDV and the other users involved in the SDV.

If the user is in the vicinity of their mobile phone, the SDV data is transmitted to the C9T Network Database. If the user is not in the vicinity of their mobile phone, the data is stored in the bracelets' memory (up to 32,000 records can be stored per bracelet). Then the next time the user is in the vicinity of his mobile phone the bracelet will communicate the data to the C9T Network server via their mobile phone.

### Temperature Monitoring

1. The user's body temperature will be continuously monitored for a high body temperature violation. The High Temperature limit can only be set by the Network Top Administrators. When the users body temperature is high their bracelet will make 1 long vibration and the LED light will be a fixed Red colour. An alert will be registered on the C9T Network database and the Team and Top Administrators will be notified immediately to take the relative action.
2. The user bracelet will also receive an alert if there is another bracelet user in the vicinity (fixed at up to 3m) with a high body temperature that exceeds the set maximum temperature. The user's bracelet will vibrate continuously, and the LED will flash Red continuously until the user has moved away from the vicinity of the other high temperature user.

### Pager Feature

When the user is in range of their mobile phone, an emergency paging alert message can be sent to all the

administrators by pressing the Red button once, for 2 to 3 seconds. The LED will flash BLUE once and one quick vibrate alert is given to confirm the page. When the bracelet receives a page it will vibrate 4 times and the LED light will flash BLUE continuously until the Red button is pressed to confirm page receipt.

**ALTERNATIVELY** the user can use the App to make and receive pages. Press the P icon, choose either Top or Team administrator. Using the App Pager full written messages can be sent and received.



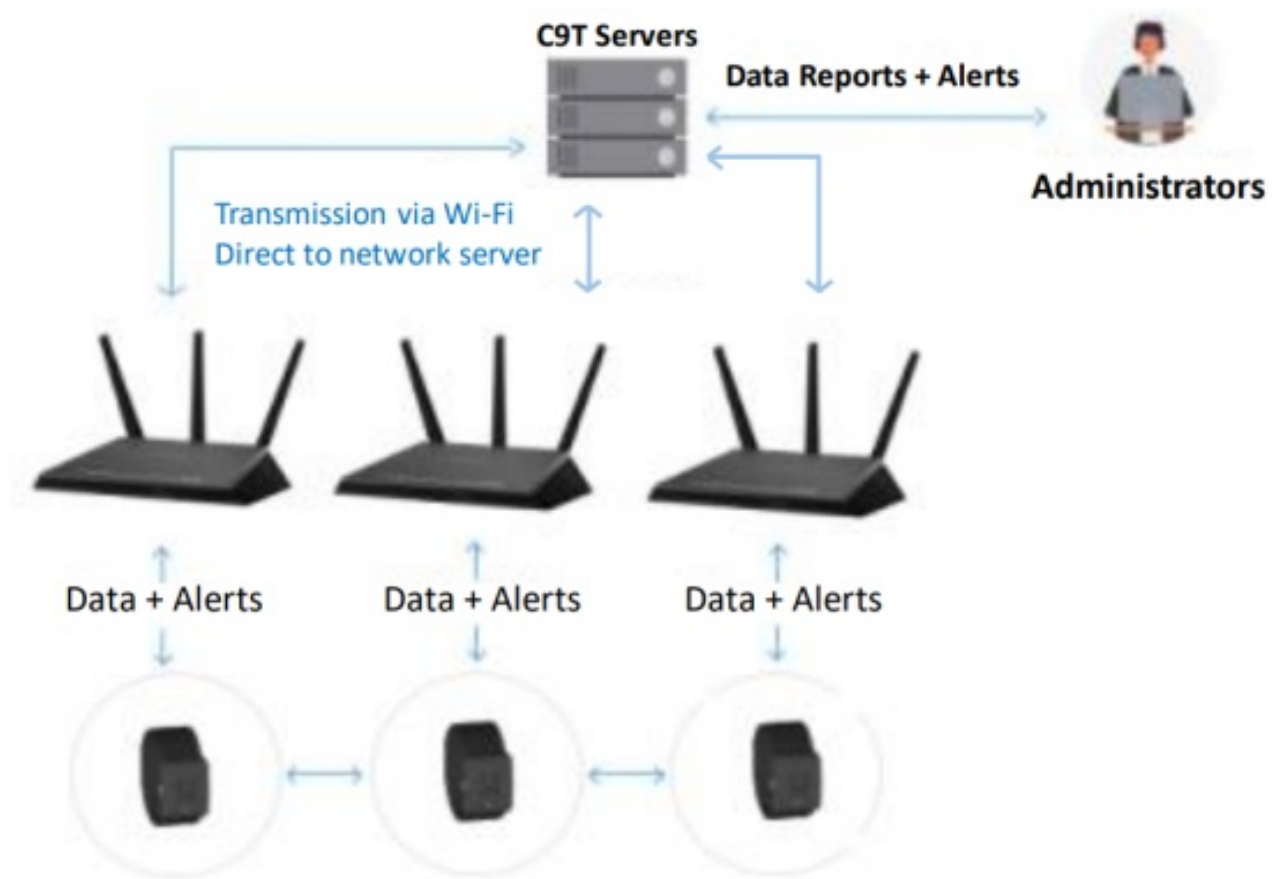
### Contact Tracing

In the event a C9T bracelet user is found to be infected the C9T Administrators can then carry out a Database SDV Enquiry. The infected user's full name or unique QR Code number is used to trace all the other users that have had social distance violations with the infected user. The enquiry can list SDVs up to one month prior to the enquiry. The SDV data of contacts and durations can be analyzed for the System Administrators to decide their course of action.

### Access Control and Accessed Areas

If the C9T Network Area has been created either using the C9T Beacons by the Network Administrators or the optional RFID programmable chips have been installed in the bracelets and used within an already existing access control system, the administrators can also verify and track the locations accessed and time durations spent in those areas by the infected user in the previous month. This data can be analyzed and used for a full Track and Trace report, so an appropriate course of action decided.

### C9T WF (Wi Fi Version)



The C9T BT Bracelet LED will flash a CYAN colour, until it has been setup and registered by a Top Administrator onto the C9T Web based Server Network. This is done by the Administrator using an interface cable and software platform.

Once setup, the system will anonymously store interaction data such as Social Distance Violations, their durations and other users involved. High body temperatures cases are stored and alerted to the Network Administrators and to other users in the immediate vicinity.

### Social Distancing

The C9T Bracelet will scan and search continuously for other C9T Bracelets. The social distance is set by the C9T Network Administrator from 1m to 3m. When the pre set safety distance is violated, the user will receive a single Vibration Alert and the LED light will flash three times in MAGENTA. The bracelet will then record the

SDV (Social Distance Violation), along with the duration of the SDV and the other users involved in the SDV. If the user is in range of their Wi-Fi Router Network, the SDV data is transmitted to the C9T Network Database. If the user is not in range, the data is stored in the bracelets' memory (up to 32,000 records can be stored per bracelet). Then next time the user is in range of the Wi-Fi Network, the bracelet will communicate and transmit the data to the C9T Network Server via the Wi-Fi.

### Temperature Monitoring

1. The user's body temperature will be continuously monitored for a high body temperature violation. The High Temperature limit can only be set by the Network Top Administrators. When the users body temperature is high, the user's bracelet will make 1 long vibration and the LED light will be a fixed Red colour. An alert will be registered on the C9T Network database and the Team and Top Administrators will be notified immediately to take the relative action.
2. The user bracelet will also receive an alert if there is another bracelet user in the vicinity (fixed at up to 3m) with

a high body temperature that's exceeds the set maximum temperature. In this case the user's bracelet will flash Red continuously and vibrate continuously until the user has moved away from the vicinity of the other high temperature user.

### **Pager Feature**

An emergency paging alert message can be sent to all the Administrators by pressing the red button once on the side of the bracelet for 2 to 3 seconds. The LED light will flash BLUE and a quick vibrate alert confirms the page is sent. Receiving a page on the C9T WF bracelet, it will vibrate 4 times and the LED will flash BLUE continuously when the user is paged by their Team Administrator and flash White when paged by the Top Administrator. The LED lights will remain flashing until the red button is pressed to confirm the page has been received.

### **Contact-Tracing**

In the event a C9T bracelet user is found to be infected the Administrators can carry out a Database SDV Enquiry by the user's name or unique bracelet mac address number. All other users that had SDVs with the infected user are traced and listed. The enquiry SDV list up to one month's previous can be retrieved. The SDV data will list the contacts and durations so they can be analyzed by the system Administrator to decide a course of action.

### **Access Control and Accessed Areas**

If the C9T Network Area has been created either using the C9T Beacons by the Network Administrators or the optional RFID programmable chips have been installed in the bracelets and used within an already existing access control system. The Administrators can also verify and track the locations accessed and time durations spent in those areas by the infected user in the previous month. This data can be analyzed and used for a full Track and Trace report, so an appropriate course of action decided.

To Turn the Bracelet device off:

Press the Red button on the bracelet for more than 6 seconds continuously until the LED light is off.

### **NOTE:**

Both C9T Bracelet types Wi-Fi and Bluetooth can be used together on the same network.

### **Declaration of Compliance**

Trakitall Ltd declare that this Bracelet Device complies with and conforms to, all the necessary EU regulations and legislations. The product is CE, FCC certified and ROHS compliant.



### **Manufacturer**

Trakitall Ltd Hong Kong  
MADE IN CHINA

NOTE: A Rechargeable Lithium Polymer battery is used in this device. Please ensure the battery is charged correctly.

Should the need to dispose this product or battery please do so carefully and abide by the rules of your country.

## Customer Support

For assistance or additional information please contact us by sending us an email to this address:  
[commercial@trakital.com](mailto:commercial@trakital.com)

## FCC Warning

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.

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.

## Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

[www.trakital.com](http://www.trakital.com)



## Documents / Resources



[trakital C9T Bluetooth Social Distancing and Temperature Monitoring](#) [pdf] User Manual  
C9TBT01, 2AYHM-C9TBT01, 2AYHMC9TBT01, C9T Bluetooth Social Distancing and Temperature Monitoring, C9T, Bluetooth Social Distancing and Temperature Monitoring

## References

-  [TrakitAll](#)

Manuals+.