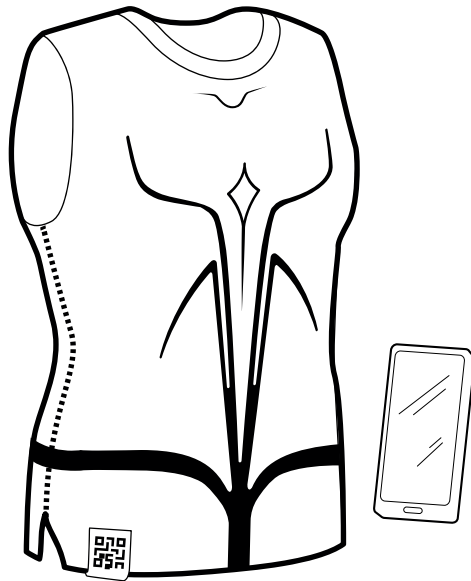




Chronolife

REAL TIME INTELLIGENCE
FOR HEALTHCARE



USER GUIDE

Smart Textile

INTRODUCTION

We would like to thank you for choosing this Smart Textile product. These instructions are intended to help you use the t-shirt and application safely and effectively.

This manual describes the features, set-up and operation of the Chronolife wearable solution and is intended to provide instructions for its safe and effective use. This solution consists of:

- A wearable measuring garment referred to as “t-shirt”
- A data transmission application referred to as “smartphone application” or “app”
- A web interface referred to as “web interface”

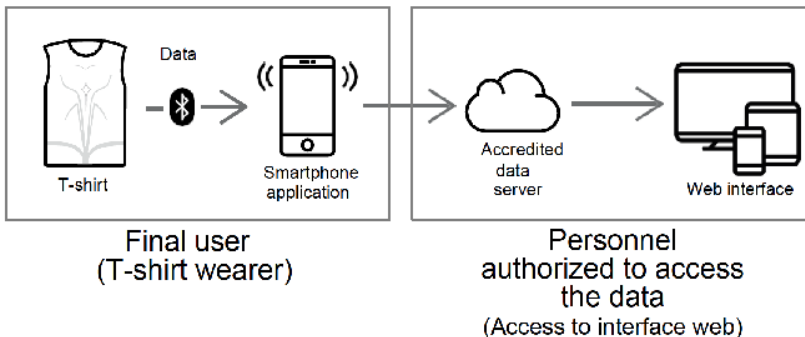


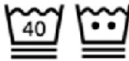






















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1. DEFINITIONS OF SYMBOLS

SYMBOL	DEFINITIONS
	Carefully read the instructions for use
	Manufacturer
	Wash at 40°C maximum, Delicate cycle
	Bleaching is prohibited
	Tumble drying is prohibited
	Ironing is prohibited
	Dry cleaning is prohibited
	Reference number of the element
	Model number of the element
	Batch number of the element meaning its manufacturing date (year - month)
	Serial number of the element
	Store away from light and sunlight
	Do not expose to moisture

SYMBOL	DEFINITIONS
	<p>Minimum and maximum temperature limits (-5°C and 45°) to be respected during transit and storage</p>
	<p>Minimum and maximum humidity limits (30% and 95%) to be respected during transit and storage</p>
	<p>Minimum and maximum atmospheric pressure limits (600 hPa and 1013 hPa) to be respected during transit and storage</p>
	<p>A device which includes an RF transmitter or which intentionally uses electromagnetic RF energy</p>
<p>IP33</p>	<p>Protects against solid objects larger than 2.5mm - Protects against rainwater up to 60° from the vertical</p>
	<p>Compliant with the following european directives:</p> <ul style="list-style-type: none"> • 2014/30/UE Electromagnetic Compatibility Directive • 2014/35/UE Electrical equipment designed for use within certain voltage limits Directive • 2014/53/UE Radio Equipment Directive
	<p>Compliant with Federal Communications Commission regulations:</p> <ul style="list-style-type: none"> • Part 15 of the FCC rules
	<p>Compliant with induction charger (Qi) standard</p>
<p>RoHS</p>	<p>Compliant with european directives 2002/95/CE Restriction of hazardous substances in electrical and electronic equipment (RoHS)</p>
	<p>This device must be recycled and must not be disposed of with other waste, according to directives 2006/66/CE and 2012/19/EU</p>
	<p>This device can be recycled. Common marking for recyclable products French Decree 2014-1577</p>
	<p>Recyclable plastic bag (polypropylene)</p>

2. INTENDED USE

The Smart Textile solution is dedicated to the evaluation and improvement of individuals health and well-being. The solution is based on a wearable, in the form of a t-shirt, embedded with multiple sensors, that allows to collect and store continuously five (5) physiological parameters: electrocardiogram (ECG, 1 lead), abdominal and thoracic breathing, skin temperature, and physical activity (user's movements). Based on those physiological parameters, several health indicators are generated.

The data is remotely transmitted from the t-shirt to the smartphone application and to a secure database where the raw data are stored, and accessible through a web interface. The web interface allows data to be downloaded and visualized by authorized personnel.

Smart Textile is fully interoperable solution and can interface with third-party devices (e.g smartwatches) or other web portal for data visualization and analysis.

No claims are made about any third party display and analysis of the raw data in terms of reliability and accuracy.

This device is intended for adults 18 years or older. The t-shirt is not suitable for pregnant women due to the sizes available. The Smart Textile Solution is not suitable for blind persons due to smartphone application not adapted. It is not intended to be used during sports activities.

The Smart Textile solution is not intended as device for diagnosing, monitoring, or any treatment purposes.

The services are in no way intended to serve as a diagnostic service or platform, to provide certainty with respect to a diagnosis, to recommend a particular therapy or to otherwise substitute for the clinical or professional judgment of a qualified healthcare professional.

If you have any questions about your health, please see your doctor as soon as possible.

3. ENVIRONMENT FOR USE

The Smart Textile solution is intended for daily use at home or in the outdoors.

4. WARNINGS AND PRECAUTIONS WHEN USING

Before using the Smart Textile solution, please read this section carefully and keep this manual for future use. Non-compliance with these instructions may result in serious injury or damage to the product.

Please use this device only for its intended purpose as described in this manual.

4.1 Contra-indications



Never use this device in the following cases:

- If you have an open wound in direct contact with the t-shirt
- If you are bathing or washing (do not soak the device)
- If you are allergic to the following components:
elastane, polyester, silicone

4.2 Reactions

If skin or allergic reactions occur, remove the shirt immediately and consult your doctor.

4.3 Precautions when using

- The Smart Textile solution is a device intended for adults (aged 18 and over). Keep out of the reach of children.
- Only use the charger and cables authorized by the manufacturer. The use of non-authorized parts and accessories can damage the t-shirt or injure the user.
- Do not wear any clothing (bra, etc) under the t-shirt, that may alter the quality of recorded data.
- For correct and regular transmission of data from the t-shirt, ensure that your smartphone and the t-shirt are always connected.
- When you are wearing the t-shirt continuously, if your t-shirt and your smartphone are disconnected for more than 5 hours, your data will not be recorded.
- Do not use several smartphones to connect the t-shirt. This could alterate or destroy the data measured by the t-shirt. If you change your smartphone, check that all the data have been entirely synchronized on the previous smartphone: Refer to the tab «Data Transfer Status» on the app and check.
 1. If the status is «Data synchronized», the application can be uninstalled.
 2. If not, check your connexion and wait until the sending data status is «Data synchronized» to uninstall the app.
- Do not share your t-shirts with third parties. The t-shirt has been designed for personal use only. Sharing your t-shirt with other people can lead to the transfer of incorrect information.
- In the event of an anomaly or dysfunction, stop using the t-shirt and contact the organism who provided you the t-shirt.
- Do not use the t-shirt and cables, if the devices are damaged. Do not attempt to repair the equipment yourself. Return all damaged equipment to the organism who provide you the Smart Textile solution.
- Keep the t-shirt away from flames and heat sources. The battery could overheat and explode, causing a fire or damage to property or the body.
- Do not use the t-shirt in the immediate area of strong sources of electromagnetic interference, especially near electro-medical equipment or a microwave oven. Please comply with the information signs and instructions prohibiting or limiting the use of electronic devices.
- Do not put the t-shirt in the microwave. It is not intended to be there and it could be damaged.
- Do not modify the t-shirt. Do not personalize the t-shirt (coloring, bleaching). That may lead to a dysfunction.
- The card at the bottom of the shirt must not be twisted, cut or torn.

5. DEVICE'S GENERAL PRESENTATION

5.1 Overview of device use

The t-shirt integrates electrodes and sensors to collect the various physiological parameters and physical activity of its wearer. The t-shirt can be activated once the electronic card is awakened. The user must then connect the t-shirt to the smartphone application. Once the t-shirt is connected to the smartphone application, the user can wear it.

The parameters are then sent via Bluetooth® to the smartphone which will transmit the collected data to an accredited health data server (via WiFi or smartphone network). This data will then be accessible only to authorized personnel.



The t-shirt is powered by a built-in battery and the smartphone app tracks battery level, connectivity and alerts the user when the battery level is low or the connection has been lost, the main thing being to avoid loss of data from the device.

This product is a garment that can be worn 24/7 and must be in direct contact with the skin. The garment must fit perfectly to ensure accurate measurement of parameters.

Warning

No user maintenance is planned for the Smart Textile solution.
No maintenance should be performed while using the t-shirt.

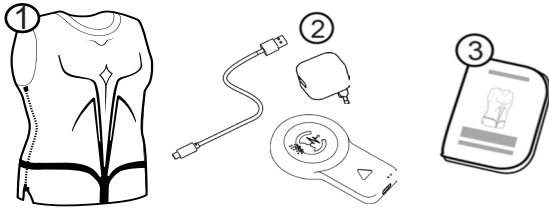
5.2 Conditions of use

In order to guarantee the quality of the data collected and the correct transfer of the data to the servers, please respect the conditions of use described below:

- Have a continuous Bluetooth connection: bluetooth activated in the settings of the smartphone + the t-shirt close to the smartphone continuously (less than 2 meters away)
- Have a continuous connection to the internet : connection to Wifi or 4G
- Have a low activity when wearing the t-shirt: no sports activities
- Do not pull on the t-shirt and/or touch the sensors continuously (electrodes, breathing wire, temperature sensors) in order to reposition the t-shirt or to place the electrodes on the torso

5.3 Presentation of the kit

The Smart Textile kit is composed of :

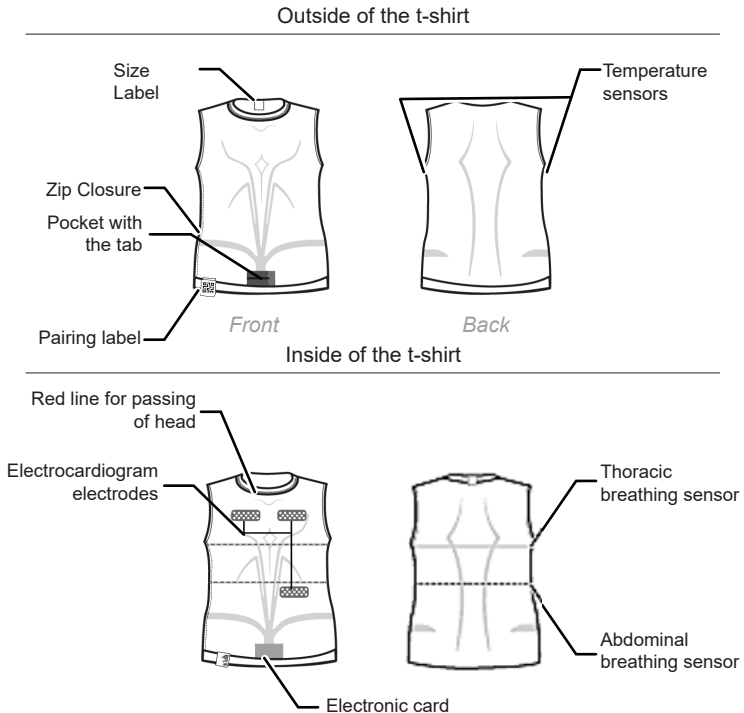


The length of the charging cable complies with the regulations (25cm for the whole charger).

- ① One or several t-shirt
- ② One induction charger and its power pack to charge the t-shirt
- ③ One instruction for use and one quick start guide

The Smart Textile application, an essential part of the solution, is to be downloaded on your smartphone (see section **6.2 Connection to the smartphone application**).

5.4 Presentation of the t-shirt



This symbol is a QRCode and is present on the exterior of the t-shirt located near the zipper. This code contains information about the t-shirt and is essential for pairing the t-shirt to its smartphone application.

6. STEPS FOR USAGE

Warning

Before using the device for the first time, please charge the t-shirt.
Make sure the smartphone is sufficiently charged before each use of the t-shirt.

6.1 Charging the t-shirt's battery

Before recharging the t-shirt, remove it

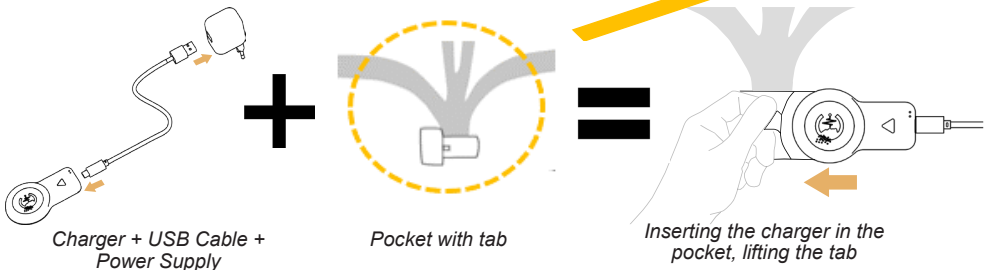
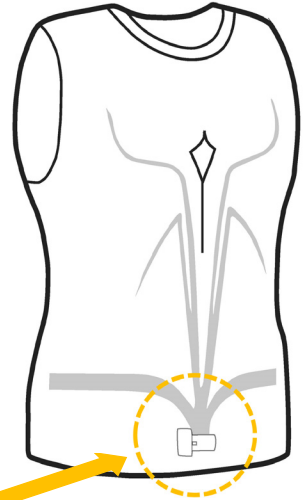
Connect the USB cable to the induction charger and the power supply

Connect the power supply to an electrical outlet

Locate the front pocket on the outside of the shirt, and lift the tab

Gently insert the charger into the pocket :
the charger's LED (light) must be on the top when you insert it

Leave your device to charge for 2 (80%) to 3 hours (100%)
for a full recharge.



Warning

The battery is integrated in the t-shirt, the charger is to be inserted in the pocket of the t-shirt in order to recharge this battery. Once the battery is recharged (about 3 hours for a full charge), please remove the charger from the t-shirt pocket before wearing it.

Do not use the t-shirt while charging the t-shirt battery.

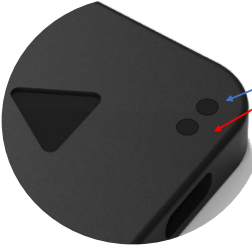


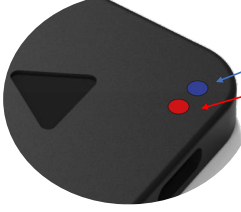


If your t-shirt has not charged properly, remove it and contact the organization that supplied it. Do not attempt to replace the battery.

Please :

- use the battery according to the specifications described in this instruction manual
- use only the charger supplied with the t-shirt
- do not use an external or portable battery to charge the t-shirt
- make sure to use your t-shirt at least once every 2 months, in order to not alter the battery.

Description of the LEDs of the induction charger, allowing to visualize the state of charge of the t-shirt:



<p>The induction charger is not connected to an electrical outlet</p>  <p>Both LED are off</p>	<p>The induction charger is only connected to an electrical outlet</p>  <p>Right blue LED is flashing</p>
<p>The t-shirt is charging</p>  <p>Right blue LED is continuously lighting</p>	<p>The t-shirt is fully charged</p>  <p>Both LED are continuously lighting</p>
<p>The induction charger is in fault: <i>make sure there is no object capable of receiving energy around the charger</i></p>  <p>Left red LED is continuously lighting</p>	<p>The induction charger is in fault: <i>make sure there is no foreign object on the charger</i></p>  <p>Left red LED is flashing</p>

In case the charger fails (left LED on red), please:

- unplug the USB-C cable from the charger,
- replace the charger in the pocket, and then
- reconnect the USB-C cable to the charger.

Make sure the right blue LED lights up, indicating the proper charging of the t-shirt.

6.2 Connection the the smartphone app

Several ways to download the smartphone application are available:

1. The CST app is available for download via the link :
<https://chronolife.net/smarttextile/app.html>
2. The CST app is available by scanning this QR Code :
3. The CST app is available for download on the following stores:



Open the application on your smartphone.

Please enter the ID number provided to you in the « ID » field and press the «Login» button.

If you have subscribed to a Chronolife x Garmin offer, please enter your Garmin login details. Otherwise, skip this step.

You can now use the Smart Textile app for smartphone.

Warning

Be sure to keep the ID number that was provided to you, in case you need to reconnect to the smartphone app.

Warning

When you first connect, please allow the application to access:

- To the camera
- To the smartphone storage
- To the geolocation

Make sure that these authorizations are always active.

Also make sure that WiFi and Bluetooth are enabled.

The smartphone must not be in power saving mode when using Smart Textile.

6.3 Connection of the t-shirt to the smartphone application

Check that the Bluetooth® connection of your smartphone is activated (settings of your smartphone).

Open the app on the smartphone

Turn on the t-shirt: shake energetically the low front part of the t-shirt at the electronic board level

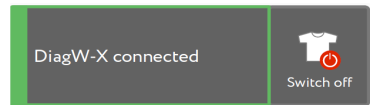
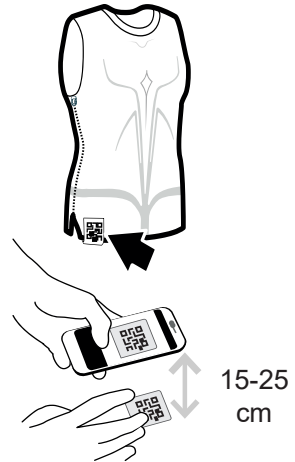
Locate the outer label (next to the zipper) with the QR Code

Keep the QR Code label flat

Press the button « Switch on »

Position the smartphone's camera facing the QR code label at about 20cm away

Once the QR Code has been detected, the following message appears



If you are unable to connect your t-shirt to your smartphone, please refer to section **8 - ERROR MESSAGES AND TROUBLESHOOTING**

Your t-shirt is now connected to your smartphone and your data will automatically be sent to your smartphone. Be sure to stay connected to the WiFi or smartphone network so that it can be transferred to an accredited server for health data storage.

Warning

In order to use the t-shirt, the label with the QR Code must not be cut or detached.

6.4 Adjusting the t-shirt

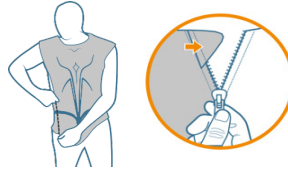
Check that the t-shirt is right side out (electrode pins not visible and therefore in direct contact with the skin)

Check that the t-shirt's zipper is open

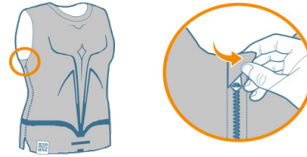
Locate the opening for the head (the red seam indicates the collar)

Put the t-shirt on with your left arm and head through the holes provided, making sure to keep the inner label on your neck and the zipper on your right

Close the zipper of the t-shirt by gently pulling it up from the bottom (on your right side). You can turn the t-shirt slightly so that the zipper is on the front, to make it easier to close



Be sure to cover the top of the zipper with the zipper cover to avoid getting hurt or injured



Make sure that the electrodes are correctly positioned, well placed on your chest and that the t-shirt fits perfectly

You can, if necessary, get help to put the t-shirt on, place it correctly and close the zipper.

Warning

Be sure to pull up the zipper gently to avoid pinching your skin.

Please make sure that the zipper is closed properly to avoid damaging it.

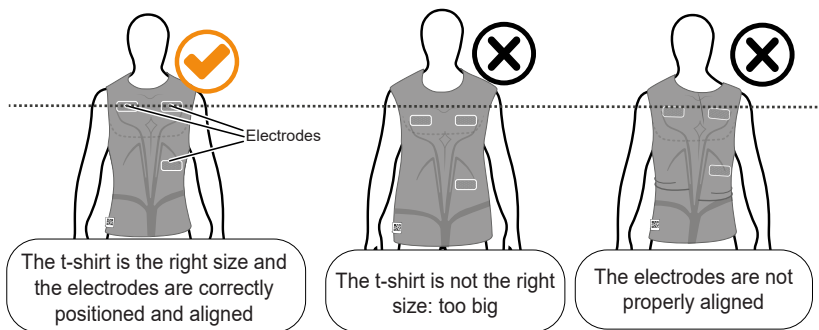
Please make sure that the zipper cover is correctly positioned after closing the zipper gently, so as not to irritate your skin.

The t-shirt should be worn flush with the body and the electrodes should be correctly positioned: the electrodes should be located just above the chest and pressed against your skin when you stand upright.

See the illustration on the next page.

If this is not the case, please contact the organization that provided you with the Smart Textile solution to change your shirt.

When you first use the shirt, it may feel uncomfortable and even too small. This is normal, as the fabric will relax slightly after a few hours. Do not pull on the shirt to make it more comfortable. The shirt should fit snugly on the body to ensure good data quality.



6.5 Remove and turn off the t-shirt

When you want to remove the t-shirt:

Open the zipper on your right side

Put the t-shirt over your head

Turn off the t-shirt after removing it

To do this, press the button « Switch off » from the app

In order to download the data stored in the t-shirt, press the « Download » button. The t-shirt will then disconnect automatically.

Warning

Do not force the application to shut down while downloading data.

Please make sure that the download and disconnection are finished before removing the t-shirt and the smartphone.

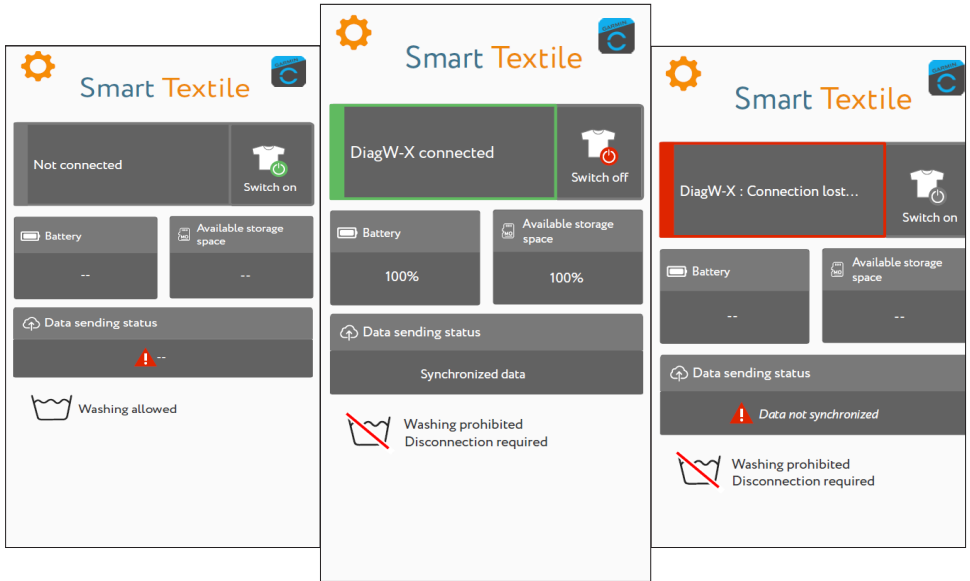
Data that has been stored in the t-shirt memory for several days can be sent to the accredited server with the time stamp corresponding to the day and time it was collected.














For future use, remember to disconnect the t-shirt from the application before loading it, by clicking on the « Switch off » button of your smartphone application.

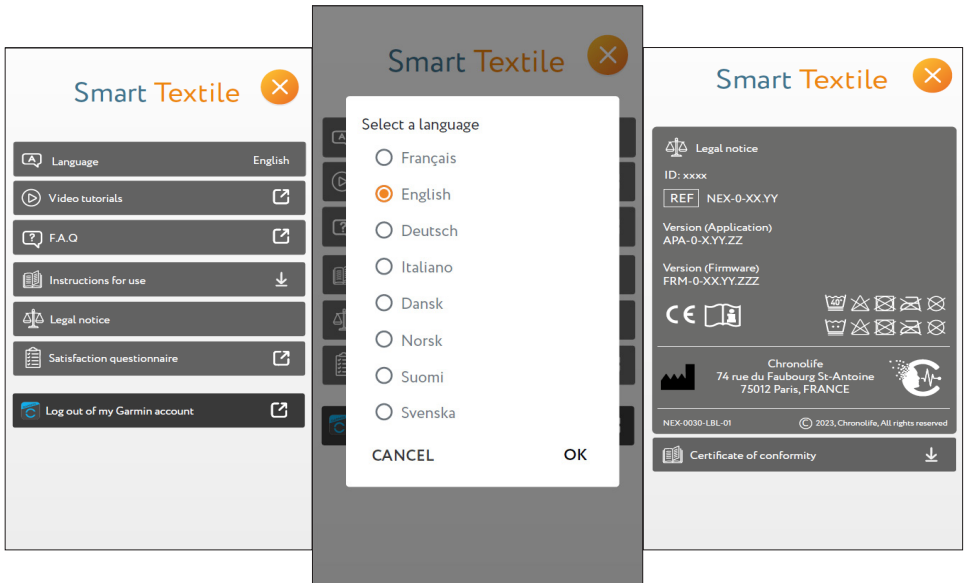
Warning

If you have multiple t-shirts, make sure you disconnect one t-shirt from the application before using another one. If not, this could alter the use of the smartphone application.

6.6 Using the smartphone app



-  Grey indicator: T-shirt not connected
-  Green indicator: T-shirt connected to the application
-  Red indicator: Connection failure
-  Switch on the t-shirt
-  Switch off the t-shirt
-  Access to the application settings
-  Garmin account linked to the smartphone app
-  Percentage of battery remaining
-  Available memory in the device
-  Status of sending data to servers
-  Data is not properly transmitted to the servers
-  Washing of the device possible
-  The device cannot be washed because it is turned on



	Allows you to select the language of the application	ID	Indicates the user's ID
	Access to the frequently asked questions	REF	Indicates the reference of the solution
	Allows you to access the online manual	<u>Version</u>	Indicates the version of the smartphone application
	Allows you to access the legal notices	<u>Version</u>	Indicates the firmware version of the device
	Exits the « Settings » page and returns to the home page		Indicates the manufacturer's information: name, logo and address
	Provides access to the solution's declaration of conformity		

7. MAINTENANCE, CHANGE AND RECYCLING OF THE T-SHIRT

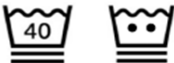




7.1 Maintenance of the t-shirt

You can wash your shirt with other clothes.

Before washing the t-shirt, you must **disconnect the t-shirt** from the application (see section **6.5 Remove and turn off the t-shirt**).

Make sure **the charger is removed** from the shirt.

You can then wash it according to the following recommendations:

SYMBOLS	DEFINITION
	Wash at 40°C maximum, Delicates cycle
	Bleaching is prohibited
	Tumble drying is prohibited
	Ironing is prohibited
	Dry cleaning is prohibited
Spin cycle at 400 rpm	
Drying on the radiator is prohibited	
Drying in the sun during very hot weather (heat wave) is prohibited	
Use of laundry/washing ball is prohibited	

If you wash by hand, be sure to wash the t-shirt gently and let it air dry without wringing.

Warning

For proper use of the Smart Textile solution, the label holding the washing instructions must not be cut off, nor detached.

Please wait until your **t-shirt is completely dry** before charging it and/or connecting it to the application. Failure to do so may result in damage to the t-shirt.

We recommend washing the shirt every 72 hours of wear, with a maximum of 40 washes.

7.2 Changing of the t-shirt

If you have several t-shirts, be sure to charge the one you're not wearing before you change t-shirt.

If you change your t-shirt, ensure that you re-connect with your smartphone app (see section **6.3. Connection of the t-shirt to the smartphone**).

7.3 Use and storage conditions

Use the t-shirt, USB charger cable and the power pack away from direct sunlight or other heat sources. Avoid contact with sand.

The operating conditions are:

- Temperature: between 0°C to 42°C
- Humidity: between 10% to 95%
- Atmospheric pressure: between 500 hPa to 1060 hPa

The operating conditions for the charger and power supply are as follows:

- Temperature: between 0°C and 40°C
- Humidity: between 10% and 95%.
- Atmospheric pressure: between 500 hPa and 1060 hPa

Clear away and store the t-shirt, the USB charger cable and the power pack in a dry area, away from direct sunlight or other heat sources. Avoid areas subject to variations in temperature.

The storage conditions are:

- Temperature: between -5°C to 45°C
- Humidity: between 30% to 95%
- Atmospheric pressure: between 600 hPa to 1013 hPa

7.4 Recycling of the t-shirt

As the t-shirt is made of electronic components, it cannot be disposed of with household waste. Please deposit the t-shirt, the induction charger and the power supply in authorized collection points for electrical and electronic waste.

8. ALERT MESSAGES AND TROUBLE-SHOOTING

You will find a list of some possible troubleshooting in the frequently asked questions, available :

- via the smartphone application: in the « Settings » page, click on the « Frequently Asked Questions » button
- via the following link : <https://www.chronolife.net/smart-textile-faq/>
- via the following QR Code:



If you are unable to resolve a problem, contact the organization that provided the t-shirt.

9. SAFETY INFORMATION

Biocompatibility

The components of the textile part of the t-shirt are widely used in the textile industry. Some of these components are Oeko Tex® certified.

10. REGULATORY INFORMATION

Requirements	Description
Electrical safety	Regarding risk of electrocution, fire, mechanics and all other specified dangers, conformity with standard EN 62368-1 only.
Compatibilité électromagnétique (CEM)	Meets the requirements set by standards: ETSI EN 301 489-1; DRAFT ETSI EN 301 489-3; ETSI EN 301 489-17; EN 55035 et EN 62311
Radio	Meets the requirements set by standard ETSI EN 300 328 and the regulation FCC 47 CFR PART 15
Protection contre l'entrée de liquides	IP33
Mise au rebut de l'équipement et des accessoires	This product must be recycled and must not be disposed of with other waste (WEEE, annexe IV, resp. EN 50419). According to the WEEE European directive 2002/96/CE.

Declaration of Conformity

Chronolife declares that Smart Textile complies with the following regulations:

- European Directive 2014/30/EU on Electromagnetic Compatibility
- European Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits
- European Directive 2014/54/EU on Radio Equipment

You can access the full EU Declaration of Conformity from the smartphone application. To do so, go to the legal notice page, from the settings page, then click on the « EU Declaration of Conformity » button.

Smart Textile complies with applicable standards and regulations of the FCC rules.

11. ELECTROMAGNETIC COMPATIBILITY

Essential performance

Smart Textile collects and transmits signals without interrupting collection in the presence of electromagnetic disturbances or motion artifacts. When these disturbances occur, the quality of the signals can be altered to a level evaluated during electromagnetic compatibility tests. The essential performance of the device is therefore as follows:

- ECG sampled at 200 Hz \pm 10% on the data available on the server
- Thoracic respiration sampled at 20 Hz \pm 10% on the data available on the server
- Abdominal respiration sampled at 20 Hz \pm 10% on the data available on the server
- Axillary temperature sampled at 1 Hz \pm 10% on the data available on the server
- Acceleration sampled at 50 Hz \pm 10% on the data available on the server
- Continuous physiological parameter data collection \pm 5% loss over 1 hour

Warning

It is necessary to avoid using the t-shirt next to other devices or stacked with the latter, because that may cause malfunctions. If such use is necessary, the t-shirt and the other devices must be kept under observation in order to verify normal functioning.

Warning

It is necessary not to use portable RF communication devices (including peripherals, such as antenna cables and external antennae) closer than 30cm to any part of t-shirt, including the cables specified by the manufacturer. Otherwise, the devices' performance could be affected.

Recommended separation distances

In use, the t-shirt receives Bluetooth-type radio-waves at about 2.4GHz. It can therefore suffer interference from other devices using that radio frequency in these bandwidths. It is therefore recommended to use it away from any devices likely to generate radio frequencies in these bandwidths.

In use, the t-shirt emits Bluetooth waves at about 2.4GHz for a radiated power lower than 0.2mW.

Frequency range of receiver: 2400MHz to 2483,5MHz

Frequency range of transmitter: 2400MHz to 2483,5MHz.

Type: Modulation Bluetooth Low Energy (BLE)

Equivalent radiated power: <0,02 mW

Accessories and Cables

The following table indicates the characteristics of accessories and cables compatible with Smart Textile and conforms with **60601-1-2 §5.2.2.1 and 62368-1**

Identification	Type, Characteristics	Comments
Power supply	Input voltage: 100-240V Frequency: 50 / 60 Hz Current: 1400 mA Output voltage: 5V IEC 60601-1 approved ≤ 10µA leakage current Protection class 2xMOPP	Power pack under the manufacturer's name : FRIWO
	Input voltage Input current: 0.5 A Frequency: 50 / 60 Hz Output voltage: 5V Output current: 2.1 A UL 62368-1 & CAN/CSA C22.2 IEC 62368-1 :2014 Deuxième édition Classe II	Power pack under the manufacturer's name : FULLPOWER
Induction charger and its USB cable	Input Voltage: 5V Length of cable: 25 cm IEC 62368-1:2014, Qi WPC CE, FCC, REACH, RoHS	Cable manufacturer specially for CHRONOLIFE

Warning

The use of accessories or cables other than those specified or provided by this device's manufacturer can cause an increase in electromagnetic emissions or a reduction in immunity of the t-shirt and bring about inappropriate functioning.

The device and its accessory comply 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 CHRONOLIFE 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.

The device contains a FCC certified BLE component:
FCC ID : 2AAQS-ISP1507

Chronolife's contact in the USA : Jim PYERS, jpyers@chronolife.net

Directives and manufacturer's declaration – electromagnetic emissions

The t-shirt is intended for use in the magnetic and electromagnetic environment described in the table below. The user and the installer shall ensure that the electromagnetic environment complies.

Emission tests	Conformity	Electromagnetic environment - Directives
RF emissions CISPR 11	Group 1, Class B	The t-shirt uses RF energy only for its internal functions. Therefore, its RF emissions are very low and are not likely to cause interference in any nearby electronic device.
Emission of harmonic currents CEI 61000-3-2	Compliant, Class A	The t-shirt is suitable for use in all premises, including domestic premises and those directly connected to the public low voltage power supply network supplying buildings for domestic use.
Voltage fluctuations CEI 61000-3-3	Compliant	

12. T-SHIRT TECHNICAL SPECIFICATIONS

RECOMMENDED SMARTPHONES CONFIGURATION

RAM	2GB minimum
BLE	5.0
iOS version	13 minimum*
Android version	10 minimum*
Processor	Qualcom Snapdragon 430, 435, or 625 minimum except 801 and 805 Samsung Exynos 7870 minimum

Dimensions	From 37cm x 66cm to 57cm x 71cm depending on the size, in zipped configuration
Surface	From 2442cm ² to 4407cm ² depending on the size, in zipped configuration
Weight	From 294g to 302g depending on the size
Battery	470mAh ZeniPower PL482536-001
Battery autonomy	48 hours
Qi Charger Voltage (electrical supply)	5V charger input
Qi charger Power (electrical supply)	Input 10W max – Output 5W max
Power supply Voltage (electrical supply)	100-240V/ 10V charger 5V DC output - 1.4A or 2A depending on the model supplied
Power supply Frequency (electrical supply)	50-60Hz
Bluetooth	BLE 5
Memory	1 Gb
Wifi	N/A
Firmware version	1.0 and later versions
Operating temperature of the Qi charger and its power supply	Between 0°C and 40°C
Operating temperature (Assigned output range)	Between 0°C and 42°C (34°C to 43°C)
Recommended temperature during use	Between 5°C and 37°C
Operating humidity	Between 10% and 95%
Operating atmospheric pressure	500hPa ~ 1 060hPa
Temperature in transit and storage	Between -5°C and 45°C
Humidity in transit and storage	Between 30% and 95%
Atmospheric pressure in transit and storage	600hPa ~ 1 013hPa
Cleaning instructions	See section 7
T-shirt Lifetime	40 washes
Battery Lifetime	1 year



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