

**i.safe MOBILE**



**OPERATING MANUAL**

**IS-SW1.1**

MODEL MSW1A01

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This Operating Manual complies with these standards:

IEC 60079, IEC 82079, ANSI Z535.6

Diese Bedienungsanleitung erfüllt die Anforderungen der folgenden Normen:

IEC 60079, IEC 82079, ANSI Z535.6



## ENGLISH

### › READ AND UNDERSTAND THE INSTRUCTIONS

#### ⚠ PROTECT YOUR LIFE AND READ THE OPERATING MANUAL

This Operating Manual is part of the device **IS-SW1.1 (model MSW1A01)**. This Operating Manual provides important information for safe use of the device.

- › Before using the device, read this Operating Manual carefully and pay particular attention to the "Safety" section and the warnings highlighted with the warning symbol. ⚠
- › Also read the **Safety Instructions** before using the device.  
You can find these at **[www.isafe-mobile.com/en/support/downloads](http://www.isafe-mobile.com/en/support/downloads)**
- › Make sure you have access to this Operating Manual when you need it. You can find the current Operating Manual at **[www.isafe-mobile.com/en/support/downloads](http://www.isafe-mobile.com/en/support/downloads)**
- › Follow all instructions given on the device and on the packaging.
- › Follow local safety regulations.

### › INTENDED USE

The **IS-SW1.1** is a Smartwatch for use in explosion hazardous areas of Zone 1/21 and 2/22, in accordance with Directives 2014/34/EU, SI 2016 No. 1107, 1999/92/EC and the IECEx system, among others.

Only use the device as described in this Operating Manual. Any other use is considered improper and can lead to death, severe injuries and damage to the device.

The manufacturer **i.safe MOBILE GmbH** does not assume any liability for damage caused by improper use. The warranty expires in the event of improper use.

## WARRANTY

You can find the warranty conditions at [www.isafe-mobile.com/en/support/service](http://www.isafe-mobile.com/en/support/service)  
For any damage caused by computer viruses that you download while using the Internet functions responsibility is at your hand.  
There is no right of recourse against **i.safe MOBILE GmbH**.

## EX MARKINGS

### › ATEX:

- ⊕ II 2G Ex ib IIC T4 Gb
  - ⊕ II 2D Ex ib IIIC T135°C Db
- EU Type Examination Certificate:  
EPS 22 ATEX 1 196 X  
CE-designation: CE

### › IECEx:

- Ex ib IIC T4 Gb
  - Ex ib IIIC T135°C Db
- IECEx Certificate: IECEx EPS 22.0028X

### › UKEX:

- ⊕ II 2G Ex ib IIC T4 Gb
  - ⊕ II 2D Ex ib IIIC T135°C Db
- EPS 22 UKEX 1 196 X  
UKCA-designation: UK

### › Temperature range:

- 20 °C ... +55 °C (EN/IEC 60079-0)
- 10 °C ... +55 °C (EN/IEC 62368-1)

### › Manufactured by:

- i.safe MOBILE GmbH**  
i\_Park Tauberfranken 10  
97922 Lauda-Koenigshofen  
Germany

## › DEVICE OVERVIEW/FUNCTIONS



- 1) TOUCHSCREEN**
- 2) POWER KEY:** A long press switches the device on/off. A short press switches the standby mode on/off.
- 3) SIDE KEY RIGHT/MENU KEY:** Press to scroll through widgets, features and menus./ Optional function - function can be assigned via Companion App (system integrated in connection with a smartphone).
- 4) SIDE KEY LEFT/SOS KEY:** A long press of the SOS key sends an emergency call to a pre-saved emergency number (only in connection with a smartphone and an installed Lone Worker Protection app). /Optional function - function can be assigned via Companion App (system integrated in connection with a smartphone).
- 5) SENSORS**
- 6) CHARGING CONTACTS**
- 7) WRISTBAND**
- 8) IS-DCSW1.1 DESKTOP CHARGER**
- 9) USB INTERFACE:** Connection for the **i.safe PROTECTOR 2.0** USB-C Cable or for connection to other devices. Also see sections "Charging" and "Data transfer".
- 10) CHARGING CONTACTS**

## » SAFETY

Read the "Safety" section of this Operating Manual carefully before using the device. If you do not follow these instructions or do not understand them, this could lead to death, severe injuries and damage to the device.

### USER

Only trained users who are qualified in the use of Ex devices in explosion hazardous areas and who have read and understood this Operating Manual may use this device.

### USE IN EXPLOSION HAZARDOUS AREAS

#### DANGER

Improper use can result in death or severe injuries!

- » Only use the device in explosion hazardous areas of zones 1/21 and 2/22 or outside of explosion hazardous areas.
- » Before entering an explosion hazardous area with the device,
  - make sure that no gap can be seen between the two halves of the device,
  - make sure the device is not damaged,
  - make sure that all the labels on the device are readable.
- » If you use the device in an explosion hazardous area, read and follow the instructions in the "Possible User Errors" section.
- » Switch off the device immediately and leave the explosion hazardous area without delay if
  - malfunctions occur on the device,
  - you have damaged the housing of the device,
  - you have exposed the device to excessive loads,
  - the labels on the device are no longer readable.

### USE OUTSIDE OF EXPLOSION HAZARDOUS AREAS

#### DANGER

Improper use can result in death or severe injuries!

- » Do not use the device in places where its use is prohibited.
- » Make sure you prevent the user errors described in the section entitled "Possible User Errors".
- » Only charge the device as described in the "Charging" section.

#### DANGER

Swallowing of small cells and batteries may lead to burns, perforation of soft tissue and death. Severe burns can occur within 2 hr of ingestion.

- » Keep small cells and batteries which are considered swallowable out of the reach of children.
- » In case of ingestion of a cell or battery, seek medical assistance promptly.



## NOTICE

Incorrect use can damage the device.

- » Protect the device, the **IS-DCSW1.1 Desktop Charger** and the Power Adapter from strong electrical magnetic fields as for example those emitted by induction cookers or microwave ovens, for example.
- » Do not touch the touchscreen with sharp objects.

## » POSSIBLE USER ERRORS

### DANGER

Improper use can result in death or severe injuries! Follow the instructions below:

- » Do not open the device.
- » Do not damage the device.
- » Do not loosen the screws on the back of the device.
- » Do not modify the device structurally.
- » Do not expose the device to high temperatures.
- » Do not expose the device to strong UV radiation.
- » Do not expose the device to processes with high electrical charges.
- » Do not expose the device to aggressive acids or bases.

### **When working in explosion hazardous areas, please note:**

- » Do not change the wristband.
- » Do not charge the device.

## » SCOPE OF DELIVERY

Your device packaging contains the following:

- › 1 x **IS-SW1.1**
- › 1 x Quick Start Manual
- › 1 x Safety Instructions
- › 1 x **IS-DCSW1.1 Desktop Charger**
- › 1 x **i.safe PROTECTOR 2.0** USB-C Cable
- › 1 x Power Adapter universal (power supply unit and various country-specific adapters)
- › 1 x Screwdriver

## » CHARGING

### DANGER

An incorrect procedure in explosion hazardous areas poses risk of death or severe injuries!

Only charge the device outside of explosion hazardous areas. Do not charge the device in the vicinity of flammable substances.

## NOTICE

Incorrect charging can cause damage to the device. Please note the following when charging:

- » Only charge the device using the **IS-DCSW1.1 Desktop Charger** and the **i.safe PROTECTOR 2.0** USB-C Cable supplied. Only charge the device at ambient temperatures between 0 °C to +45 °C (+32 °F to +113 °F).
- » Charge the device under dry indoor conditions only.
- » Do not charge the device in environments dusty or humid.

Your device package contains the **IS-DCSW1.1 Desktop Charger**, a power supply unit, various country-specific adapters and an **i.safe PROTECTOR 2.0** USB-C Cable.

- » Connect the adapter suitable for your country to the power supply unit.
- » Connect the **i.safe PROTECTOR 2.0** USB-C Cable to the power supply unit.
- » Connect the **i.safe PROTECTOR 2.0** USB-C Cable to the USB interface of the **IS-DCSW1.1 Desktop Charger**.
- » Insert the **IS-SW1.1 Smartwatch** into the **IS-DCSW1.1 Desktop Charger**.
- » Plug the Power Adapter into a power socket and charge the device completely.



## » WEARING THE DEVICE

- » Wear the device above your wrist bone.
- » Fit the device snugly but comfortably on your wrist. The device is properly seated if it does not move while walking.

## » SWITCHING ON/OFF

- » Press and hold the power key for about 3 seconds.

## » USING THE DEVICE

- » When turning on the device for the first time, follow the instructions on the touchscreen.

### TOUCHSCREEN

- » Swipe up or down to scroll through widgets, features and menus.
- » Tap to select.
- » Swipe right to go to the previous screen.
- » Hold to view a menu of settings and options for the current screen.

Further information on operating the device can be found at

**[www.isafe-mobile.com/en/support/service](http://www.isafe-mobile.com/en/support/service)** under the menu item "FAQ".

## › DATA TRANSFER

The USB interface on the **IS-DCSW1.1 Desktop Charger** is used for charging and data transfer.

### ⚠ DANGER

Improper use can result in death or severe injuries! Only use USB interface outside of explosion hazardous areas.

- › Insert the **IS-SW1.1 Smartwatch** into the **IS-DCSW1.1 Desktop Charger**.
- › Connect other devices to the USB interface of the **IS-DCSW1.1 Desktop Charger** only by using the **i.safe PROTECTOR 2.0** USB-C Cable.

## › CHANGING THE WRISTBAND

### ⚠ DANGER

Improper use can result in death or severe injuries! Only change the wristband outside of explosion hazardous areas.



- › Loosen only the screws (1) on the right side of the IS-SW1.1 Smartwatch with the screwdriver provided.
- › Slide out the threaded sleeves connecting the wristband to the IS-SW1.1 Smartwatch from right to left with the screwdriver.
- › Remove the wristband and insert the new wristband.
- › Insert the threaded sleeves from the left.
- › Insert the screws on the right and tighten them hand-tight with the screwdriver provided.

## › POSSIBLE DEVICE PROBLEMS

You can find information on possible device problems and how to rectify them at [www.isafe-mobile.com/en/support/service](http://www.isafe-mobile.com/en/support/service) under the menu item "FAQ".

If you have any further questions, please contact the **i.safe MOBILE** repair service at [www.isafe-mobile.com/en/support/service](http://www.isafe-mobile.com/en/support/service)

## › MAINTENANCE/REPAIR

The device itself has no serviceable parts.

### ⚠ WARNING

Incorrect repairs present a risk of explosion or fire, which can result in death or severe injuries! Do not open the device or carry out any repairs yourself.

- › Contact the **i.safe MOBILE** repair service at [www.isafe-mobile.com/en/support/service](http://www.isafe-mobile.com/en/support/service) if the device is not working normally, if the device needs to be repaired or if a replacement part is required.

### RETURN SHIPMENT

Contact the **i.safe MOBILE** repair service at [www.isafe-mobile.com/en/support/service](http://www.isafe-mobile.com/en/support/service)

## › DISTRIBUTION PARTNER

You can find the specialist distribution partner responsible for your country at [www.isafe-mobile.com/en/contact](http://www.isafe-mobile.com/en/contact)

## › CLEANING

### NOTICE

Incorrect cleaning can cause damage to the device. Please note the following when cleaning:

- › Turn off the device before cleaning.
- › Do not charge the device while cleaning.
- › Do not use chemical agents for cleaning.
- › Clean the **IS-SW1.1 Smartwatch**, the **IS-DCSW1.1 Desktop Charger** and the Power Adapter with a soft, moistened antistatic cloth.
- › Clean the touchscreen regularly with a soft, antistatic cloth.

## › STORAGE

### NOTICE

Incorrect storage can cause damage to the device.

Store the device at a humidity of 10 % to 60 % at the following ambient temperatures:

- › Up to one month: -20 °C to +45 °C (-4 °F to +113 °F)
- › Up to 3 months: -10 °C to +35 °C (+14 °F to +95 °F)
- › Over 3 months: -10 °C to +25 °C (+14 °F to +77 °F)

## › RECYCLING

### NOTICE

Incorrect disposal of electronic products, batteries and packaging material puts the environment at risk. Please note the following when disposing of items:

- ›› DO NOT throw away batteries with household waste.
- ›› Always dispose electronic products, batteries and packaging material at the appropriate collection points. This way, you prevent uncontrolled waste disposal and promote the recycling of material resources.



You can obtain further information from regional waste disposal companies, state authorities or the **i.safe MOBILE** service centre responsible for your country or region at [www.isafe-mobile.com/en/support/service](http://www.isafe-mobile.com/en/support/service)

## › TRADEMARKS

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All other trademarks and copyrights are the properties of their respective owners.

## FCC STATEMENTS FOR I.SAFE MOBILE IS-SW1.1 (MODEL MSW1A01)

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.

### **NOTE:**

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes 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.

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the United States. During SAR testing, this device was set to transmit at its highest certified power level in all tested frequency bands, and placed in positions that simulate RF exposure in usage against the Next to mouth for 10mm and Wrist-worn for 0mm. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. The exposure standard for wireless devices employing a unit of measurement is known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.

(FCC ID: 2AACZ-MSW1A01)

## IC STATEMENTS FOR I.SAFE MOBILE IS-SW1.1 (MODEL MSW1A01)

### **RSS-GEN & RSS-247 STATEMENT:**

Le présent appareil est conforme aux CNR d'Industrie 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, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

### **ATTENTION :**

exposition au rayonnement de radiofréquences

Cet équipement est conforme aux limites d'exposition aux radiofréquences IC fixées pour un environnement non contrôlé et aux lignes directrices relatives à l'exposition aux radiofréquences (RF).

Co-location

Ce transmetteur ne peut pas être installé en colocation ou être utilisé avec une autre antenne ou transmetteur, quel qu'en soit le type.

This Class B digital apparatus complies with Canadian ICES-003.

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

Cet appareil a été conçu et fabriqué pour ne pas dépasser les limites de rayonnement d'énergie IC (RF). Au cours des tests SAR, l'appareil a été réglé pour transmettre aux niveaux de puissance certifiés les plus élevés dans toutes les bandes de test, et a été placé dans une position pour simuler l'exposition RF lorsqu'il était utilisé à 10 mm contre la bouche et à 0 mm sur le poignet. Bien que le SAR soit déterminé au niveau de puissance certifié le plus élevé, le niveau SAR réel de l'appareil pendant le fonctionnement peut être bien inférieur à la valeur maximale. En effet, l'appareil est conçu pour fonctionner à plusieurs niveaux de puissance afin de n'utiliser que la puissance nécessaire pour atteindre le réseau. En général, plus vous êtes proche de l'antenne de la station de base sans fil, plus la puissance de sortie est faible. La norme d'exposition pour les appareils sans fil utilisant une unité de mesure est appelée le taux d'absorption spécifique, ou SAR. La limite SAR fixée par l'IC est de 1,6 W/kg.

(IC : 11122A-MSW1A01)

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This device complies with Industry Canada licence-exempt RSS standard(s). 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 the device.


Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This device has been designed and manufactured not to exceed IC (RF) energy radiation limits. During SAR testing, the device was set to transmit at the highest certified power levels in all test bands and placed in a position to simulate RF exposure, when it was used 10mm against the mouth and 0mm on the wrist. Although the SAR is determined at the highest certified power level, the actual SAR level of the device during operation may be well below the maximum value. This is because the device is designed to operate at multiple power levels in order to use only the power needed to reach the network. In general, the closer you are to the wireless base station antenna, the lower the power output. The exposure standard for wireless devices using a unit of measure is called the specific absorption rate, or SAR. The SAR limit set by the IC is 1.6 W/kg.



## **CONTACT/SERVICE CENTRE**

**FOR FURTHER QUESTIONS PLEASE CONTACT OUR SERVICE CENTRE:**

- » **i.safe MOBILE GmbH**, i\_Park Tauberfranken 10, 97922 Lauda-Koenigshofen, Germany
  - » **support@isafe-mobile.com**
  - » **<https://support.isafe-mobile.com>**
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[WWW.ISAFE-MOBILE.COM](http://WWW.ISAFE-MOBILE.COM)