SOL-X SW-EX-01 SmartWatch User Manual

**SOL-X SmartWatch SW-EX-01
User Mamual**

Contents

Introduction

The SOL-X SmartWatch, SW-EX-01 is an intrinsically safe device and is suitable for use in potentially explosive atmospheres classified Zone 1 and Zone 2 (Subgroups IIA, IIB and IIC; Temperature Classes T1-T4), such as maritime industry, industrial plants, oil and gas facilities and etc. SOL-X SmartWatch has the capability for wireless communication with Wi-Fi 802.11 b/g/n 2.4GHz, Bluetooth 4.2 and 5.1, ambient environment sensors and motion sensors, etc.

General Information

1. Model Definition

   SW-EX-01:

   • SW: Product Category, Smart Watch

   • EX: Explosion Proof

   • 01: Product Series Code, 01, 02 …etc.

2. **Battery Information**

   • Battery Type: Lithium-ion Battery

   • Nominal Voltage: 3.7V

   • Typical Capacity: 850mAh

   • Charge Voltage: 4.2V

3. **Radio Frequency Information**

   • Wi-Fi 802.11b/g/n: Transmitting Power < 18 dBm

• Bluetooth 4.2 and 5.1 LE: Transmitting Power < 8dBm

Key Features

1. **Watch**

1.1 OLED Display	1.5 Buzzer
1.2 Power Button	1.6 Temperature and Humidity Sensor
1.3 ALERT Button	1.7 Ambient Light Sensor
1.4 Microphone	1.8 Heart Rate Sensor
	1.9 Charging Pogo-Pin Contact

2. **Replaceable Strap**
   1. Holes for Buttons
   2. Holes for sensors
3. Charging Dock and Cable

1. USB C Port
2. Green Power Indicator LED
3. Charging Pogo-Pin
4. USB Charging Cable

4. **Charger**
   1. Power Adapter
   2. UK Plug
   3. EU Plug
   4. CN Plug
   5. US Plug

Quick Start Guide

Turn On/Off and Restart

1. Press the Power Button for 3 seconds to turn on the device.
2. Press the Power Button for 3 seconds to select to **Turn Off** or **Restart** the device.

Home Page

1. Short click the Power Button to back the Application
   Home Page when it is running.
2. Short click the Power Button to switch off the screen when it is on the Home Page.

OLED Screen

1. Swipe Right/Left.
2. Click/Press.

Alert

Hold the Alert Button for 3 seconds to request assistance.

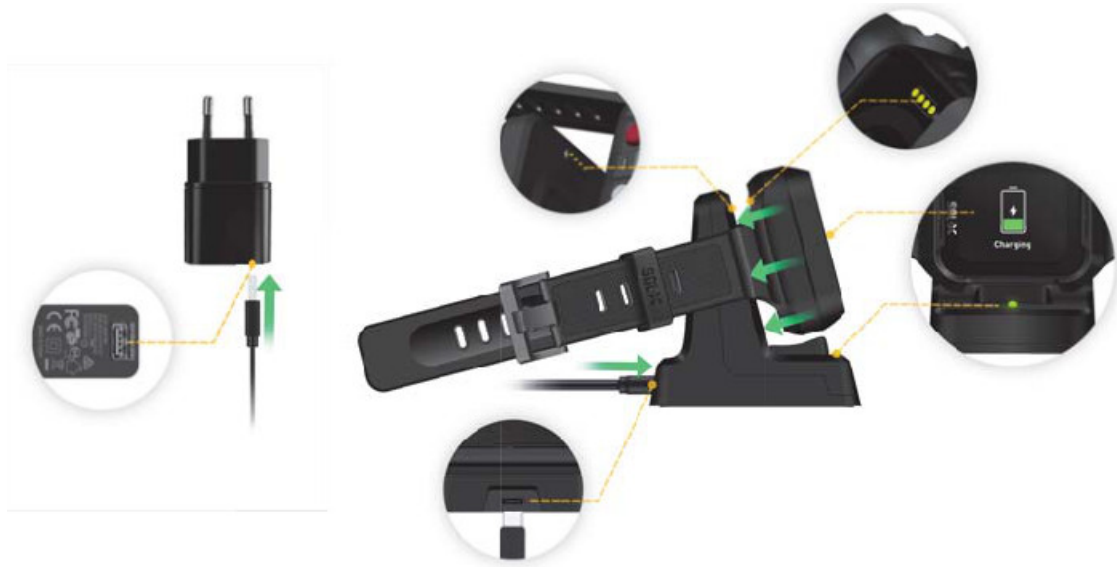### Charger

- USB Charger includes a Power Adapter and 4 types of plugs.
- Attach a proper plug to the Power Adapter as required.

Charge Watch

1. Plug the USB-C cable to the Charging Dock.
2. Plug the other side of the cable (USB-A) to the Power Adapter, ensure the green indicator LED is On.
3. Place the Watch on the Dock and make sure the Charging Icon is showing on the Watch Display.

Replace Strap

1. Push the Watch on the right side to take out it from the Strap.
2. Push back the Watch to a new Strap.

Replace Strap ① Replace Strap ②

Wearing Device

Wear the device on your wrist appropriately, it should be snug but comfortable to keep the reading of the heart rate sensor on its back more accurate.

Certifications and Notice

1. **EU Declaration of Conformity**

   Hereby, SOL-X PTE. LTD. declares that the radio equipment type SOL-X SmartWatch SW-EX-01 is in compliance with Directive 2014/53/EU and ATEX Directive 2014/34/EU. The full text of the EU declaration of conformity is available at: **https://www.sol-x.co/watch-documentation**

2. **Explosion Proof Specification**
   • EU Type Examination Certificate: **TUV CV 21 ATEX 0206489X**
   • Notified Body Number: 2261
   • Applied Standards, **ATEX directive 2014/34/EU**
   • EN60079-0:2018
   • EN 60079-11:2012
   • Ex Marking
   ⟨Ex⟩ II 2G Ex ib IIC T4 Gb
   • Operating Environment
   • Ambient temperature: -20°C ~60°C
   • Humidity: 5% – 95%

3. **FCC Compliance Statement**

   You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

   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: 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.

4. **FCC Radiation Exposure Statement**

   This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. The unit of measurement for RF exposure is Specific Absorption Rate (SAR). The FCC SAR limits for mobile device is 1.6W/Kg per 1g of tissue.

Safety Warnings and Regulations

- **ONLY** charge devices in non-hazardous area.
- **ONLY** charge devices indoor within 5°C~40°C.
- **ONLY** use the original and SOL-X authorised accessories.
- **DO NOT** remove or attempt to remove the built-in rechargeable Lithium-ion battery.
- **DO NOT** expose the device or battery to fire, flame, or other hazards.
- Damaged devices and accessories shall be removed from the end user and organized properly, e.g.:
  - Critical error occurs.
  - The device with component missing.
  - The device housing is damaged.
  - The device has been stored improperly.
- The device may not be exposed to any aggressive acids, alkalis, or other corrasive gases and liquids.
- The device may only be used in Zone 1 and Zone 2.

Maintenance

- It is recommended to use a suitable soft cloth to clean the devices regularly.
- **DO NOT** use any abrasive cleaning agents when cleaning.
- **DO NOT** insert sharp objects into the microphone, buzzer, or temperature & humidity sensor opening holes on the Watch. Any damages caused may impact the performance of the dustproof and waterproof functionality.

Transportation and Storage

- Avoid severe shock and vibration and take waterproof measures during transportation.
- The storage environment shail be well-ventilated with no liquid leak.
- The temperature shall be within -40°C to +85°C and the
  Humidity shall not exceed 95% in the storage environment.
- No corrosive gases around where the Watch is stored.

Other documents available at. **https://Awww.sol-x.co/watch-documentation**
* Chiness User Manual, FCC Statement, EU DoC

Documents / Resources

SOL-X SW-EX-01 SmartWatch [pdf] User Manual
SWEX01, 2AY2VSWEX01, SW-EX-01 SmartWatch, SW-EX-01, SmartWatch

Manuals+,