WERET

Weret Watch W1

User Manual v1.0

2019-06-14

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Changes

Version	Released by	Change summary
1.0 2019-06-05	Aliya Dabai	Document created
1.1 2019-06-07	Jessica Ekdahl	Updated text relating to: Certification texts, warranty text, regulatory notices, important information, general handling, radio frequency exposure and battery warning Added: Technical specifications, overview of watch variants (to be updated)

Overview

The Weret watch is an analog smartwatch that adapts to your lifestyle by streaming relevant live data directly to your wrist. Choose a data theme on the smartphone app that includes, for example, the weather conditions at a specific location or the swell height at your favorite surf beach. With a press on the middle button (the crown), the watch toggles between time mode - where the time is shown as on a standard analog watch - and data mode, where it moves the hands to show you the current data on the dials.

The Weret Watch is connected to a smartphone via Bluetooth Low Energy (BLE). It contains five bi-directional step motors that can be driven independently (one at a time, or all at once). In the middle of the movement there are three main motors for the second, minute and hour hands. At 5H and 7H, there are two additional motors, sub-dials. These motors can be used to show details for a particular function.

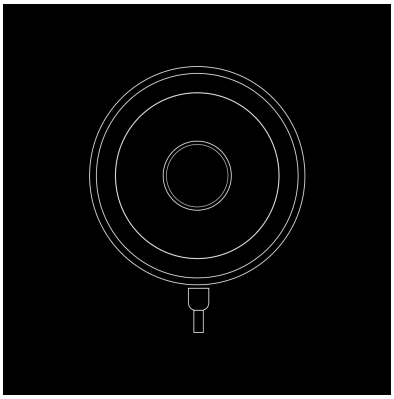
The watch battery lasts 45 days during normal use and is charged using the accompanying Weret induction charger. The charger is connected to a standard USB power brick.

The complete watch setup is done using the smartphone application (app). The setup contains initialization and calibration of the watch hands, identification of the watch edition and variant, and selection of a data theme.

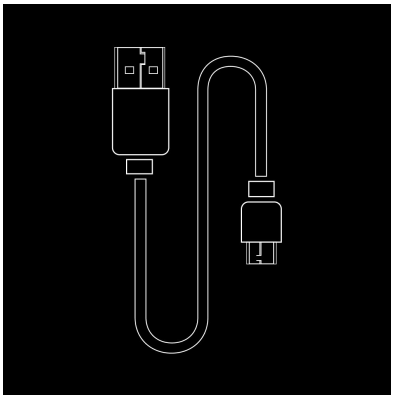
The Smartphone application can be used to update the watch firmware over the air. The so-called Device Firmware Update (DFU) is executed by sending the new watch software to the watch over Bluetooth Low Energy that then installs it on the device.

Box Contents

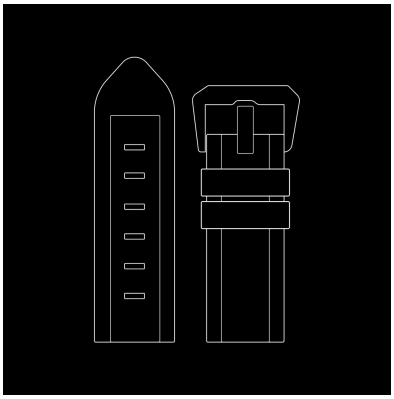
Weret Watch



Charging Pad



USB Cable



Watch Strap

Quick Start Guide

WERET

Setting Up Your Weret Watch

Activate your watch

The watch arrives in “shipping mode” and is inactive. It is activated by placing it on top of the accompanying Weret induction charger, letting it sit a few seconds and then taking it off the charger. When the watch is removed from the charger it exits shipping mode, and the second hand will start moving. If the battery level is below 25%, it will charge up to 25% before exiting shipping mode.

When placing the watch on the charger, the LED will light up green, followed by a solid blue light that indicates the watch is being charged. When the LED starts blinking with a blue light, the battery is fully charged.

Download and install the Weret app

To configure the watch and enable it to show other data than the current time, it has to be “paired” with a smartphone running the Weret smartphone app.
1. Make sure the Weret app is compatible with your mobile device by checking www.devices.weret.com
2. Find the Weret app in one of these locations, depending on your device:
• The Apple® App Store® for iOS devices such as an iPhone® or iPad®.
• The Google PlayTM Store for Android devices such as the Samsung® Galaxy® S5 and Motorola Droid Turbo.
3. Install the app.

Turn Bluetooth on and follow the app instructions

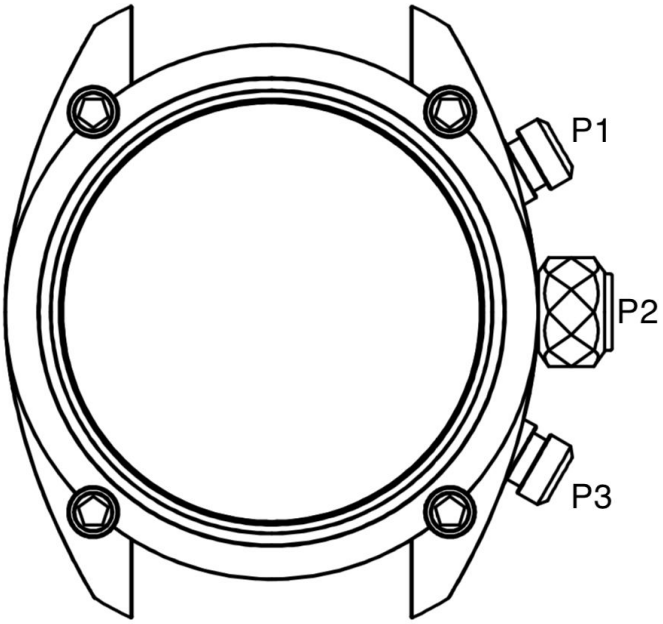
When the app is installed, open it and get started. You’ll be guided through the process of connecting (pairing) your Weret Watch to your mobile device.

Putting on your Weret Watch

The watch straps have built-in quick release pins for a speedy attachment to your watch. If the knobs on the tiny steel bars are pulled back, the spring in the bars will be loosened, allowing you to attach the strap to the watch face. Repeat the same procedure if you want to change straps.

Getting to know your Weret Watch

Watch Controls



The watch is controlled using three pushers: top pusher P1, crown pusher P2 and bottom pusher P3.

Do not rotate either of the pushers, it provides no functionality and rotating P2 (the crown) could lead to damage of the watch.

Pressing P1 or P3 sends a command to the smartphone app. This command activates a user selected function. The function could for example be play/pause of currently playing media, answer or hang up incoming call, or trigger the camera shutter. The pushers can have different functionality depending on if the user presses, doublepresses or holds the button for a longer period.

Pressing P2 toggles the watch between Time and Date modes.

Watch Dial

Outer scale	Left side: air pressure, 930 mBar to 1050 mBar Right side: temperature, -20°C to 40°C
Left sub-dial	0-12, linear
Right sub-dial	North/West/South/East compass
Accent	Waveform

Note: All watch models are available in an Imperial version with Fahrenheit and inches of Mercury (inHg) or a Celsius version with mbar.

Time and Weather Modes

After exiting shipping mode the watch can either be in Time mode or Weathermode.

Pressing P2 toggles the watch between these two modes.

Time Mode

Hour, minute and second hand shows the current time. Current time is defined by the time of the paired smartphone. If the time setting change on the smartphone, the watch will mirror this.

Left and right sub dial shows the latest fetched data of the currently selected weather theme.

Weather Mode

Hour minute and second hand shows the latest fetched data of the currently selected weather theme. The hands will use the outer scales and accent form to show numeric values. What scale and hand combination that the user should look at is communicated through information in the app and depends on the data theme selected.

Left and right sub dial shows the latest fetched data of the currently selected weather theme.

Weather Themes

The smartphone app retrieves data from various online sources (API) on the Internet. This data is organized in different Weather Themes. A Weather Theme is defines an online data source, some user configuration, and how the hands on the watch visualize the data.

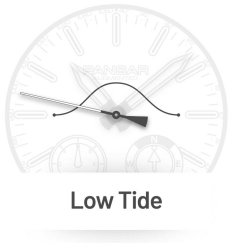
The app is built as a platform where themes will be added and changed over time. Below follows a description of theme to give a general idea of the concept.

Themes to choose between:

- Sailing the Seas
- Surf's up
- Weather
- Windsurfer

Example of how data is visualised for Windsurfer theme:

Configuration		A map location
Left sub-dial		The left subdial shows your selected location's current wind speed up to 12 metres per second.
Right sub-dial		The right subdial shows your selected location's current wind direction on the compass.

Hour hand		The hour hand points at the outer scale, showing your selected location's current air temperature.
Minute hand		The minute hand points at the outer scale, showing your selected location's current water temperature.
Second hand		The second hand shows the current tide type. Left of center indicated flood current, the 12 position indicates high tide, and right of center indicates ebb current.

Using Weret App

App interface

A	The “My Watch” tab is what is currently shown in the app screenshot. It is the main screen of the app and it shows the latest data of the currently selected data theme.
B	The “Themes” tab shows a listing of currently available Data Themes that the user can pick from.
C	The “Store” tab takes the user to the Weret online e-commerce store where watches and accessories can be purchased.

D	The Time/Data toggle indicates if the watch is in Time mode or Data mode. Can also be pressed to switch the watch between Time and Data mode.
E	Shows the configuration for the currently selected data theme. E.g. the location on a weather theme.
F	The watch matches the watch edition paired with the smartphone app. It mirrors the hand position on the actual watch and whos the data points in detail.
G / I	Allows the user to configure the actions of the P1 and P3 pusher buttons.
H	The P2 button (the crown) can be pushed in the app, and the action mimics pressing the actual button.
J	Pressing any of the data points opens up a detail view with further explanation.

Customize Pusher for a Function

1. Tap on one of the pushers on the first screen
2. Click on the edit pencil
3. Click on the function you want to attach to that pusher
4. Click “Save”

Select a Data Theme

1. Click “Themes” tab
2. Select a theme
3. Click “Choose theme”
4. Click “Done”

When Battery Runs Low

When	Behavior
<20% capacity	The watch indicates that the battery is almost empty by ticking the second hand all 4 seconds.
<12% capacity	The BLE and Activity/Sleep tracker part is deactivated in order to reduce the power consumption. Hour and Minute is working

	normal, the hand for the seconds is placed at noon and stopped ticking.
<5% capacity	The watch moves all hands to noon and disables everything except the internal calendar function. The user must charge the watch.
<20% AND in shipping mode	Normally, all hands point up (12) when in shipping mode. When power is below 20% and in shipping mode, the hands point down (6).

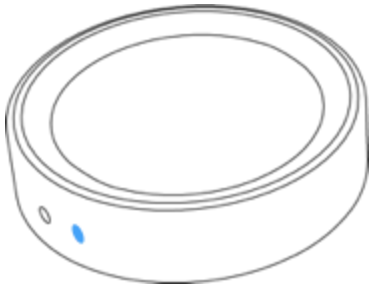
As soon as the watch is removed from the charger and the battery capacity is above 20%, the watch exits the End of Life state and restarts all functions.

Charge your Weret watch

1. Connect the charging plate to a USB outlet using the charger provided in the sales box.
2. Make sure the charging plate is facing up, and that there's nothing on the plate.
3. Place your watch in the center of the charging plate. When the indicator light turns to green, the battery is fully charged.

It's normal for the charging plate and device to get warm.

Indicator lights



Blue and continuous	Charging
Green and continuous	Standby/the battery of your watch is fully charged
Green and flashing	Overheating, let the watch and charger cool down. The charger stops charging if it reaches 44'C

Blue and flashing	Charging error, the connected power source is not able to provide enough power

Specification

Weret Watch W1 (42 mm)

- 316L stainless steel case
- Sapphire crystal glass
- Swiss Soprod chronograph movement
- Watch diameter: 48 mm diameter (1.9 in).
- Watch thickness: 14.5 mm (0.6 in).
- Weight: ~ 89 g case without straps (3.1 oz)
- Water resistant up to 100 m (330 ft)

Strap & Buckle

- Stainless steel 316L buckle
- Quick release strap
- Lug width: 22mm

Battery

- Lithium-ion Rechargeable Battery
- Up to 45 days in normal use
- Induction charging
- Charging time of 2-3 hours

Connectivity

- Bluetooth Low Energy (Bluetooth Smart Ready)

Charger

- Qi V1.2 communication protocol
- Operating temperature: < 40 degrees Celsius (shut down at around 50)
- Battery charge voltage: 4.2 V
- LED light behaviour:
    - Power up: Green, solid
    - Standby: Green, solid
    - Charging: Blue, breathing (4 second for full fade up fade down cycle)
    - Fully charged: Blue, solid
    - Fault: Blue, blinking (2 blinks per second)

Compatible Devices

- iPhone 4s and higher
- iPod Touch 5th Gen and higher
- iPad 3rd Gen and higher
- BLE (Bluetooth Low Energy) compatible Android device

Compatible OS

- iOS 8.0 and higher
- Android 6.0 and higher

Certification

Watch

HVIN	W1
Model	W1
FCC ID	2ATHG-W1
IC	25115-W1

Charger

HVIN	IC1
Model	IC1
FCC ID	2ATHG-IC1
IC	25115-IC1

General handling information

Many components in our movement are made of metal, so magnetic fields may temporarily disrupt their functioning, or even cause a total stop. We strongly recommend you not to

place the watch on devices with a magnetic field such as microwaves, refrigerators, speakers, etc.

If the battery in your watch is completely discharged, there is a risk of leakage and that may damage the movement.

Your watch is only compatible with the provided charger.

You should avoid exposing your watch to extreme temperatures of above 50°C/131°F or below -5°C/23°F. Also, avoid sudden changes in temperature, for example in a sauna or when diving into cold water after direct exposure to the sun. Sudden and extreme temperature changes can cause condensation on the inside of the glass.

Even if your watch is water resistant, in order to avoid water penetration, which could damage the movement, it is imperative not to use the pushers when the watch is in contact with water.

Please go to weret.com for more information.

Warranty information

Weret AB ("Weret") warrants that for a limited period of two (2) years, as from delivery of the product, that the product(s) included in the package are free from defects in material under normal use. This is a voluntary manufacturer's warranty. It provides rights separate to the rights provided by consumer law, including, but not limited to those relating to non-conforming goods. Weret's limited warranty benefits are in addition to, and not instead of, rights provided by consumer law. Should your watch require warranty service, please contact the authorized Weret dealer who sold you the watch and provide them with your proof of purchase. If work is done under the warranty, the Weret dealer or service centre may to the extent permitted by law charge for postage and handling. Non-warranty service is done at an appropriate charge by the authorized Weret retailer of your choice. This warranty is void if non-certified Weret dealers carries out service of the watch. In the event of repair, the watch, watch parts or bracelet/strap may be replaced with equivalent parts.

Subject to the limitations set forth in the General Terms and Conditions and below, if your Weret specified in this Quick Guide does not conform to the warranties provided for in the General Terms and Conditions applicable to the contract between us, please contact us via the contact information set forth in the General Terms and Conditions.

The Weret warranty does not cover:
• Sapphire crystal life.
• Failure caused by fire, earthquake, and other natural disasters.
• Failure resulting from an improper service modification.
• Damage resulting from improper handling, lack of care, accidents, or normal wear and tear.
• Alteration of the colour and/or material of non-metallic straps and chains, such as leather, textile, rubber.

• Weret will not repair damaged leather products. We will only replace them if the conditions of the warranty are met within 6 months from date of purchase. This warranty is void if the leather product has been damaged by accident, negligence, unauthorized service or other factors not due to defects in materials or if a valid receipt is not included.
• Any work done by an unauthorized third party.
• Even for products submitted within the valid warranty period, repair costs that would normally be covered by the terms of the warranty may be charged in cases where information about the distributor or place of purchase is missing or incomplete.
• Claims covered by any extra warranty that may be provided by the seller.
• A watch that was not originally purchased from an authorized Weret retailer.

Please go to weret.com for more information.

Important information

Do not disassemble the watch, there are no serviceable parts inside the watch.
Do not allow small children to play with the device as small parts may come loose and pose a choking hazard.
Do not use this transmitting device near sensitive medical equipment without requesting permission.
If you have electronic medical implants, do not use this device without consulting medical expertise first.

Batteries, WARNING

Do not charge your watch with other induction chargers since your watch may overheat. Further, the charger should not be used to charge other items than your Weret watch.

Risk of fire and burns. Do not disassemble, heat above 50°C/131°F or incinerate. Never put batteries in mouth. Swallowing may lead to serious injury or death. If ingested, immediately seek medical attention.

Questions? Please visit our FAQ page for more information Weret.com/faq weret.com.

Radio frequency exposure

Your WeretTM device is equipped with a radio transmitter and receiver of BluetoothTM Low Energy type, operating in the frequency range 2402 to 2480 MHz. Its radiated output power is far below exposure limits set by national authorities such as the FCC, IC, European Council and international health agencies.

Waste Electrical and Electronic Equipment, WEEE

The symbol on the product or its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste

electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste for recycling, please contact your local authority, or where you purchased your product.

Regulatory & Safety Notices

USA: Federal Communications Commission (FCC) statement

Watch FCC ID 2ATHG-W1 | Wireless Charger FCC ID 2ATHG-IC1
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 assure continued compliance, any changes or modifications not expressly approved by the party.
Responsible for compliance could void the user's authority to operate this equipment.
(Example- use only shielded interface cables when connecting to computer or peripheral devices).
This equipment 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.
RF warning statement:
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Canada: Industry Canada (IC) statement

Watch IC: 25115-W1 | Wireless Charger IC: 25115-IC1

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.

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.

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 isotopically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Waste Electrical and Electronic Equipment, WEEE

The symbol on the product or its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste for recycling, please contact your local authority, or where you purchased your product.

CE European Union (EU) - EC Declaration of Conformity

We, Weret AB, of Geijersgatan 1 B, 411 34 Gothenburg, Sweden declare under our sole responsibility that our product WERET watch of model W1 is in conformity to the essential requirements and other relevant requirements of the RE Directive. The product is in conformity with the appropriate standards Draft ETSI EN 301 489-1 V2.2.0: 2017; Final draft ETSI EN 301 489-3 V2.1.1: 2017; Draft ETSI EN 301 489-17 V3.2.0: 2017; ETSI EN 300 328 V2.1.1: 2016; ETSI EN 303 417 V1.1.1: 2017; EN 62479: 2010; EN 62311: 2008; EN 60950-1: 2006+A11: 2009+A1: 2010+A12: 2011+A2:2013.

Gothenburg, June 2019

Joel Rozada, CEO