

HERCULES Golf Master

Operating Instructions



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Overview of all product elements you have received with the purchase of this watch:

- Reconvilier HERCULES Golf Master watch
- «Caddie» (small GPS-Receiver from Trilogis Sàrl)
- USB-connection cable to the PC
- Tools to adjust rubber band and to adjust the watch
- Reconvilier warranty card with Username and Password (to be able to download golf course data, the Course Manager user software and the «Caddie»-Sync software as well as the necessary user manuals from the Reconvilier website)

Please do not forget to charge your «Caddie» using the enclosed USB-connection cable via your PC (initial charge approx. 6 – 7 hrs)

Dear Reconvilier Customer,

Congratulations to your new Reconvilier HERCULES Golf Master!

The Reconvilier HERCULES Golf Master represents a masterpiece of state-of-the-art Swiss timekeeping combined with most modern GPS-technology. A product, which gets every golf enthusiast excited.

Fascination of this watch is more than just precise time keeping. It is the fascination in realizing creative ideas, a concert of fantasy and precision.

The enthusiasm for handcrafted masterpieces up to the smallest detail, not easy to recognize, but surprising in its function.

Please read this manual very carefully to ensure perfect operation of this watch.

In case of any questions please access www.reconvilier.com

We welcome you in the small circle of people, who ask more from their watch than mere accuracy!

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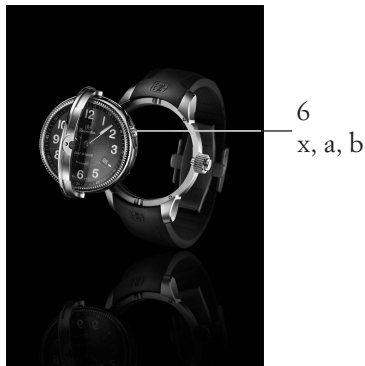
Your HERCULES Golf Master shows you the time in hours, minutes and seconds as well as the date on its analog dial. By using the «Rotar»-Mechanism you will get to the digital dial, a LCD-display on the flip side of the watch. There you can get not only the exact digital time but also the exact distance between the location of the golf player and the front or center of the green in meter or yards (switchable) for each hole of a previously stored golf course.

Watch housing and buckle is made of titanium. The strap is made of high quality leather or rubber. The watch is water-resistant up to 50 meters and protected on both sides by a strong and unscratchable sapphire-glass. The watch is especially shock-resistant (special «shock-absorber»), to better meet the extreme challenges on the golf course.

To ensure long lasting endurance and reliability of performance, you have to read and apply this user manual very carefully!

Analog Application

The HERCULES Golf Master with its details:



- 1 Hour hand
- 2 Minute hand
- 3 Seconds hand
- 4 Date indicator
- 5 Large crown (bayonet crown) to unlock the «Rotar» mechanism (opening and turning of the inner case)
- 6 Covered Crown:
 - x normal (inside)/winding position
 - a Date fast forward
 - b Time adjustment

Winding and adjustment of the watch:

Turn left the large crown (bayonet crown) a quarter of a turn, open the case and press the inner case, allowing the watch to slide out. Now you can see the inner crown.

To adjust the time, pull the arrow to the second «b» Position. This position will stop the watch and the seconds. Now you can adjust the watch precisely by the second. Afterwards push the crown back in its original position.

In case the Golf Master has not been used for some time, it should be wound by hand.

To do so you must right turn the inner crown (still inside, no pull, position «x») about 20 times to reach an initial full winding. The watch fully wound has a power reserve of about 44 hours.

Adjustment of the date:

Pull the inner crown only once to position «a». Now you can adjust the date (fast forward) turning the crown to the right.

Important: Never adjust the date between 10.00 and 02.00 hours because the automatic date mechanism is working during these hour settings. After the adjustment push the crown back in the original position «x».

Reading the watch in the dark:

The dial as well as the hour hand and minute hand of your watch have been manufactured with light elements. These assure even in complete darkness excellent readability of the time.

The «Rotar»-mechanism



The «Rotar-mechanism» developed by Reconvilier enables the usage of a precise Swiss analog watch movement combined with a modern digital technology to measure distances on golf courses.

Day-to-day and for example at evening events, after the golf game, the luxurious, analog dial is on top.

Digital Application

When the Golf Master is applied for **distance measurement on the golf course, the digital dial must be turned to the front**; the following steps have to be taken:

1. Step:

Turn the large crown (bayonet crown) by a quarter of a turn to the left to unlock and open the case

2. Step:

Turn the inner case by 180 degrees and close it again (the case will «click-in»).

3. Step:

Turn the large crown (bayonet crown) now a quarter of a turn to the right and lock it. Important: The red mark/line must be visible on top before you turn the crown.

Now the watch is ready to be used as a distance measuring device on the golf course.

The Reconvilier Golf Master and its «Caddie» on the golf course:



- 1 LCD-display
- 2 Cursor to show the number of the hole
- 3 Distance display/time display
- 4 LCD-control-button in the crown

«Caddie»:

GPS/RF-converter with four controls (GPS, Watch, Course, Battery) and connection for USB/PC.

Important: Before you use the watch for the first time download and read your user manual for the «Caddie» from the Reconvilier website!

Functionality

The functionality of the Golf Master for use on the golf course is based on the collaboration of four combined technical components:

- A. Course Manager to load worldwide golf course information (accessible via the Reconvilier website)
- B. Computer with USB-interface (not part of the watch) to download the specific «golf course information» onto the «Caddie» from the Reconvilier website
- C. «Caddie»: GPS-receiver and software to calculate the golf course data in meter/yards as well as sending modul to the watch
- D. Reconvilier HERCULES Golf Master

Technically, two main processes are key for precise functioning of your Golf Master: The «Caddie» (C) receives actual GPS position data and compares them with the memorized/downloaded GPS coordinates of the database (A). The watch (D) reads these data via a Radio Frequency (RF)- transmission and displays them to the user on the digital display.

The advantage of using RF-Technology for the data transmission to the Golf Master is, that using RF one can transmit over distances up to 30m. Which means, that the «Caddie» can be stored or

located up to that distance sideways from the player (e.g. in the golfbag, trolley or buggy) without impacting the quality of the information.

The use of the HERCULES Golf Master function is extremely easy:

Step 1:

Download the desktop application Course Manager with the «Caddie» synchronisation software (with all its necessary drivers – automatically added) to your computer. You get these easily via www.reconvilier.com applying your Username und Password (see warranty card).

Step 2:

Create and Download the golf course data of your desired golf course in your personal desktop application (see separate manual on Reconvilier website). Up to 20 different golf courses can be downloaded and synchronised with the caddy (e.g. useful for extended golf trips).

Step 3:

After saving these data on your desktop application, you can synchronize these with the «Caddie» («Caddie-Sync») using the USB connection between your computer and your caddy with the USB cable, which is part of the package.

For use on the golf course you must bring the Golf Master watch as well as the «Caddie»!

On the course, turn on your caddy and position it visibly (clip) at your golfbag, trolley, cart or your belt (so that it can well receive GPS data from the satellites at any time!).

Step 4:

Now activate your Golf Master watch. Just turn – as already described on page 9 – the digital dial to the front and lock it. On the digital dial you see the LCD-display, which can now be controlled with the LCD-control-button. The LCD-control-button is embedded in the middle of the large crown (bayonet crown) and secured by a pressure spring. This button is the main user element for the Golf Master distance measurements!



Please check before using the Golf Master on the golf course:

- 1. Are the correct golf course data loaded from the database (Course Manager)?**
- 2. Is the «Caddie» synchronised with these data (display after «Caddie-sync»: «ready to play golf»)?**
- 3. Is the «Caddies» battery fully charged (via USB-computer-connection)?**
- 4. Are «Caddie» and Golf Master watch turned on and activated?**

General comment to the functionality of the HERCULES Golf Master in «golf mode»:

The basic logic of the LCD-control-button:

- › press once and short: activate, select, move on
- › double press short: deactivate, leave menu
- › press once and long (2 seconds): program, confirm

The LCD-display basically consists of three elements:

- › central display of the distance to the green (front/center) in meter/yards and alternatively: display of the digital time
- › round display of 18 holes on the dial
- › blinking display of one of the 18 holes (Cursor) to show the actual golf hole played

If all holes are blinking at the same time, it is an error message.
The blinking of six Cursor elements shows necessary waiting times of electronic processes.



On the following pages the specific functions will be described in detail:

1. Status without Synchronization

In the status without synchronization it is impossible to display the digital time as well as to use the watch in golf-mode to show distances. For example, after renewing the watch battery, you must synchronize watch and «Caddie» again (resetting).

2. Stand-By-Mode

In the stand-by-mode the digital display is turned off and the electronics of the watch are in sleep mode. You can move easily from stand-by-mode into time-mode pressing the LCD-control button in the crown once and short.

3. Time-Mode

In time-mode the LCD-display shows the actual time. You switch from stand-by-mode (display off) into time-mode by pressing the LCD-control button once and short.

The time display is only possible after successful synchronization of the watch (otherwise you see «0:00» on the display)!

Time Display

Time display is in hours and in minutes. Seconds will not be displayed in the digital time-mode. In 24-hours mode the two dots between hours and minutes are blinking; in the 12-hours mode either the top (AM) or the bottom (PM) dot is displayed. The time can be adjusted to the actual local time zone (see paragraph on time zone setting below).



4. Synchronization-Mode (Normal mode on the golf course)

The watch is – as already described -designed in a way, that it uses a GPS/RF-Transmitter («Caddie»). Watch and «Caddie» must be synchronized. With the synchronization-mode this status will be established. You activate the synchronization-mode pressing the LCD-control-button once and long (2 seconds) when in the time mode. You deactivate the synchronization mode double pressing the LCD-control-button short.

The synchronization mode will also be automatically deactivated, when it is impossible to synchronize watch and caddy within 60 seconds – to save battery.

Successful synchronization requires GPS Information, golf course data and that watch and «Caddie» are in reach (max. 30 m) of each other.

With the successful synchronization, digital time actualization/synchronization takes place automatically.

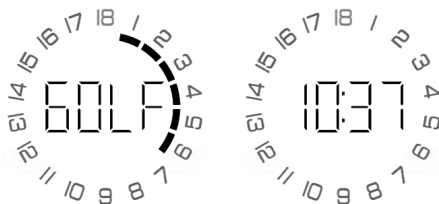
5. Golf-Mode

In golf-mode the watch receives automatically all necessary golf course data from the «Caddie» (number of the hole played, distance to the green – front or center) and shows this information on the digital display. The golf-mode will be activated by pressing the LCD-control button once and short when in time-mode.

Pressing it twice short (double press) will deactivate the golf-mode and return to time-mode again. In case the watch is not used approx. 10 minutes in golf-mode it will automatically deactivate and return to stand-by-mode (display turns off)!

Step 1: Activation of the golf watch:

Press and hold the LCD-control-button for approximately 3 seconds. The display shows «GOLF» and the circle of the cursors is closing clockwise. The watch is activated and shows the actual time (timemode).



Step 2: Activation of the Golf-Mode

Press the LCD-control-button once and short:

With successful synchronization, good GPS-Reception (5-7 satellites), the correct golf course information in the «Caddie» (see «Caddie Sync») and the «Caddie» in reach of the watch the display now shows your location (e.g. hole 1) and the distance to the green in meters or yards.



If this display does not come up, there may be three potential reasons/indications:

1. «Caddie» is not activated or not in reach: Display: «CAdY» and rotating Cursors (2)



To fix: Activate the «Caddie» or locate him closer to the watch (within 30 m)!

2. GPS problems und GPS search

The «Caddie» does not receive sufficient GPS-signals (for example inside buildings or signal disruptions (e.g. thunderstorms, heavy clouds, strong other radio sources or metalgrids close by)).

Important: When first connecting to the various satellites, it can take up to five minutes until the «Caddie» has received and applied all GPS-signals!

Display: «GPS» und rotating cursors (2)



To fix: Make sure that the «Caddie» can receive all GPS-signals optimally!

3. Golf-Course not saved, or no known/recognized colf course close by

If there is no golf course loaded as reference or the golf course loaded/saved is not close enough (ca. 5000 m) and therefore a GPS recognition is impossible for the «Caddie», the display shows «GOLF» with rotating cursors (2).



To fix: Load the right golf course data of your – to be played – golf course or move closer to the course selected.

Important Tips during the Golf Game

Front or center of the green

Only if the database does not hold front of the green information but instead only center of the green data, the watch will display the distance to the center of the green, shown by the blinking upper dot between the single and double meter digits.



Regularly, when the display shows the distance to the front of the green, no dot is displayed.

Automatic switch to the next hole

When on the golf course the display shows the hole currently played as one single piece (cursor) of the circle as well as the distance to the front or center of the green in meter or yards (adjustment m/y see chapter 6) the «Caddie» automatically switches from hole to hole. At any time you can also manually switch to the next or any other hole (see next paragraph).

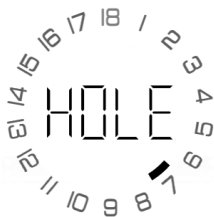
If you step on to the green with about 20 - 25 meters distance to the hole and leave it again after successful putting the «Caddie» will automatically switch to the next hole.

Important: The «Caddie» will always measure the distance to the front or center of the green (depending on the database information). If, for example, the «Caddie» stays in your trolley while you are putting, it can be possible that it does not recognise that you passed that closest point to the hole and are already moving on to the next hole, because its distance information did not change (e.g. «Caddie» in the trolley).

Then you have to switch manually to the next hole.

Switching to other holes («Hole-Mode»)

You just have to press and hold the LCD-control-button for approx. 2 seconds. The display switches from the golf-mode directly into the «Hole-Mode». «Hole» flashes, now you can switch from hole to hole by pressing once and shortly the LCD-control-button. The cursor always displays the hole you are selecting.



Pressing and holding the LCD-control-button for 2 seconds again will return the watch to the golf-mode.

Important: It always takes a few seconds afterwards until the «Caddie» has calculated the new information and the display switches back from «HOLE» to the distance display. Just simply wait until the display shows the distance again.

Time Display in the Golf-Mode

Anytime during the game you can move to the time-mode by pressing the LCD-control-button once and short.



In this case the blinking cursor shows the total number of holes (9 or 18) of the golf course you are currently playing. After approximately 8 seconds the display will automatically return to the golf-mode.

Step 3: Deactivating the Golf-Mode

To leave the golf-mode, you double press the LCD-control-button and the watch will return in time-mode. Another double pressing of the LCD-control-button will turn off the electronic and return to stand-by-mode.

To save battery the watch will also automatically turn off (stand-bymode) if not in use for 2 hours.

6. Settings-Mode

The settings-mode allows to show the settings of the watch and adjusting them. The settings-mode can be activated by pressing and holding the LCD-control-button for 2 second while the watch is activated and in time-mode.

There are 5 different settings:

A: Watch/«Caddie» pairing

B: Meter or yards

C: 12- or 24-hours display

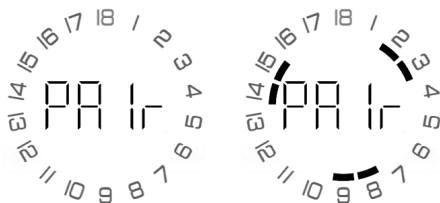
D: Time zone adjustment

E: Information of the watch (not described, only important for the manufacturer)

Pressing the LCD-control-button once and short will then select the various setting elements and you can browse through the settings.

Pairing with the «Caddie»

The first setting is «Pairing», shown in the display as «PAIr»:



At delivery the watch and the «Caddie» are «paired», which means as pair connected – they recognise each other.

If for any reason a new pairing is necessary you will need to do the following:

«Caddie» (see separate user manual/downloaded from www.reconvilier.com) and watch will be connected while both in pairing mode. While pairing the watch display shows both: «PAIr» and the rotating cursors (2). See «Caddie» operating instructions on how to put «Caddie» in pairing mode.

After successful pairing the watch automatically returns to the golfmode.

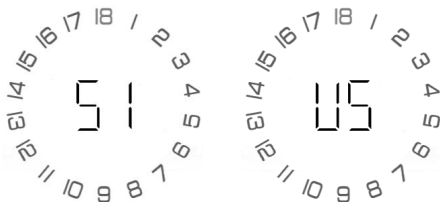
Setting of meter/yards

You can choose between meter = «SI» (international system of units) or Yards = «US» (U.S. customary units).

After the pairing-mode you will get to the «unit-mode» by short pressing the LCD-control-button:



The LCD-control-button must now be pressed and held for 2 seconds to change the setting.



Pressing the LCD-control-button once you can toggle between «SI» und «US». To confirm and return to the setting-mode you again press and hold the LCD-control-button for 2 seconds.

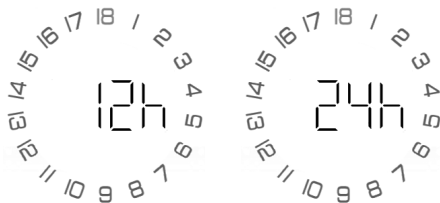
Adjustment of the hours display

You can select between 24-hours- or 12-hours-display-mode.
Display in setting-mode is «HOUR»:



Again, you must press and hold the LCD-control-button for 2 seconds to adjust the formats.

By pressing the LCD-control-button once and short you can toggle between the two formats:

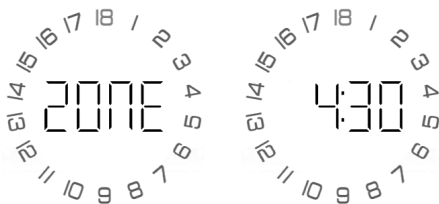


To confirm and return to the previous mode you again have to press and hold the LCD-control button for two seconds.

Setting of the time zone

The HERCULES Golf Master receives its digital time information via the GPS-signal.

To adjust for the local time zone of the specific country, you must adjust the difference between the GPS-time zone and the local time zone. The display in this mode shows «ZONE»:



The maximum difference is -12 hours up to +14 hours. Again you must press and hold the LCD-control-button for 2 seconds to change settings:

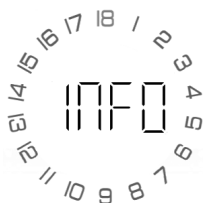
Then the current time zone will be displayed blinking and can be changed by short pressing of the LCD-control button.

To confirm and return to the previous mode you again have to press and hold the LCD-control-button for 2 seconds.

Info

With the setting «INFO» a number of technical informations about the watch can be displayed:

- Firmware Version
- Serial Number, first part
- Serial Number, second Part



This information is only important for the manufacturer and cannot be changed by the user.

Useful Tips

Water-Resistance

After any opening of the watch (e.g. after changing battery) the water resistance of the watch has to be checked by a professional watch dealer or watch maker. In any case we recommend checking the water resistance once per year through an authorized watch dealer!

Battery lifetime

The golf-mode function uses a small high performance battery (CR 2016) with an average lifetime of approx. two golf seasons, depending on how often and how long the watch has been used in activated golf-mode.

Change of the battery should only be done by an authorized dealer or any other professional watch specialist.

Service

All parts of this watch are made from high quality materials and components. But some parts undergo normal usage and wear-out. It is important that these parts are regularly oiled and that any stains of oil will be removed to secure smooth mechanical movements. Therefore Reconvilier recommends a general service of the watch every 3-5 years. Please contact any

authorized dealer or Reconvilier directly (via www.reconvilier.com)

Usage of the rubber watchstrap

The sportive and high-end touch of the HERCULES Golf Master is underlined by a high performance rubber watchstrap. Caoutchuc is a natural product, is very flexible und comfortable when worn and perfectly meets the high and tough requirements during a golf game.

The strap can be flexibly adjusted in its length. Small adjustments can be done using different positions in the latch. For larger adjustments you or your watch dealer can cut the rubber strap at the predetermined cut points using a sharp knife. For this, the strap needs to be opened with the help of the enclosed precision tool (opening the two screws at the side of the housing). After adjustment put the screws back into place and secure them tightly.

For any further questions please contact the Reconvilier-Service-Organization via www.reconvilier.com.

Critical Information

Failure to avoid the following potentially hazardous situations could result in death or serious injury.

GPS-Navigation warnings

This system contains or accepts location and GPS data and you must follow these guidelines as well as ensure safe usage.

- When navigating, carefully compare information displayed on the «caddie» to all available navigation sources, including signs, course conditions, weather conditions and other factors that may affect safety while using the distance device. For safety, always resolve any discrepancies before continuing to play.
- The «caddie» is designed to provide only distance suggestions. It is not a replacement for user attentiveness and good judgment. Do not follow the «caddie`s» suggestions if they suggest unsafe maneuvers or would place anybody in an unsafe situation.

Course Date Information

The Reconvilier HERCULES Golf Master uses a combination of data sources. Virtually all data sources contain some inaccurate or incomplete data. In some countries, complete and accurate

map information is either not available or is prohibitively expensive.

Health warnings

- Always consult your physician before sport activities. If you have a pacemaker or other implanted electronic device, consult your physician before using this RF-Technology system.
- The device, the watch and the «caddie», are consumer devices and could suffer from interference from and cause interference to external electrical sources.

Battery warnings

If these guidelines are not followed, the internal battery may experience a shortened life span or may present a risk of damage to the GPS system, fire, electrolyte leak, chemical burn and/or injury.

- Do not leave the «caddie» exposed to a heat source or in a high-temperature environment, such as in the sun in an unattended golf-cart. To prevent damage, remove the caddie from the golf-cart or store it out of direct sunlight.
- Do not disassemble, incinerate or puncture the caddie.

- When storing the «caddie» for an extended time, store within the following temperature range: From 32°F to 77°F (0°C to 25°C).
- If using an external battery charger only use the Reconvilier accessory approved for the caddie.

Declaration of Conformity

Hereby, Reconvilier declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

FCC Compliance

The 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. 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 may cause harmful interference to radio communications if not installed and used in accordance with the instructions. 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 or 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 the 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 product does not contain any user-serviceable parts. Repairs should only be made by an authorized Reconvilier Dealer. Unauthorized repairs or modifications could result in permanent damage to the equipment and void warranty and your authority to operate this device under part 15 regulations.

