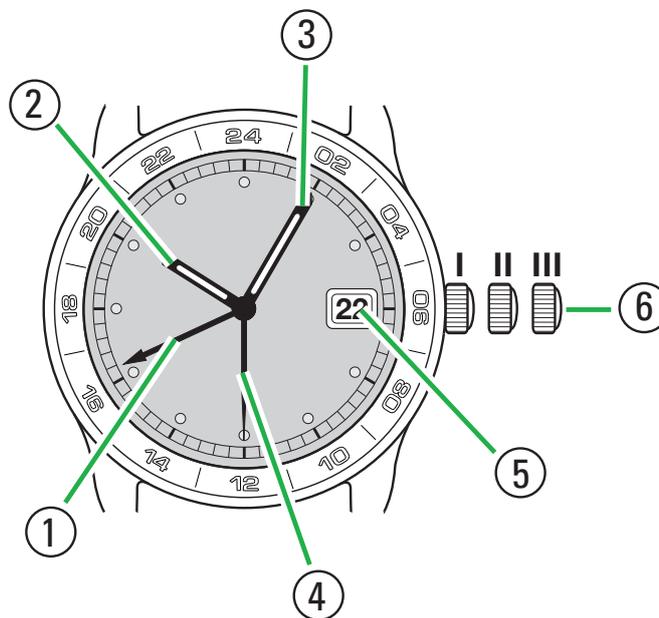


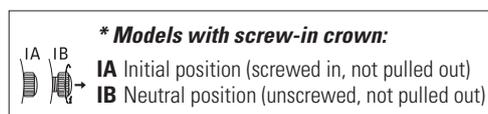
# GMT Powermatic 80

## User manual



### Display and functions

- ❶ GMT display (2<sup>nd</sup> time zone – 24 h)
- ❷ Hour hand (local time)
- ❸ Minute hand
- ❹ Seconds hand
- ❺ Date indicator
- ❻ 3-position crown:
  - I Operating and manual winding position (screwed in\*, not pulled out)
  - II Date correction position and GMT display correction position (unscrewed\*, pulled out halfway)
  - III Time-setting position (unscrewed\*, pulled out completely)



## Congratulations!

We congratulate you on choosing a watch from CERTINA®, a Swiss brand among the most highly renowned in the world. Meticulously designed, using only the highest quality materials and components, it is protected against impacts, temperature variations, water, dust, and also features the **DS** concept.

This user manual applies to CERTINA® automatic watches equipped with the Powermatic 80.661 GMT movement. For the settings and operation of your watch, please refer to the instructions below.

To ensure that your watch operates with perfect precision for many years to come, we advise you to pay careful attention to the advice given in this user manual.

The **DS** (Double Security) concept is characterised by:

- extreme impact resistance,
- an ultra-resistant sapphire crystal,
- a gasket inside the crown and a gasket around the winding stem guaranteeing the water resistance of the watch even when the crown is pulled out,
- a reinforced case back.

## Settings

### Models with screw-in crown

To ensure even better water resistance, some models are fitted with a screw-in crown **(6)**. Before setting the time or date, you must first unscrew the crown **(6)** to position **IB**, before pulling it out to position **II** or **III**.

**Important: After each operation, you must always screw the crown back in to ensure that your watch remains water-resistant. You are advised not to operate the crown (6) underwater.**

### Setting the GMT display (2<sup>nd</sup> time zone)

- Pull the crown **(6)** out to position **III**. The seconds hand **(4)** will stop.
- Turn the crown **(6)** forwards or backwards to simultaneously set the GMT display (2<sup>nd</sup> time zone) **(1)** and the minute hand **(3)**. Don't worry about setting the hour hand (local time) **(2)** or date hand **(5)** at this stage.
- Push the crown **(6)** back into position **I**.
- The GMT display **(1)** and minute hand **(3)** are now set.
- Push the crown **(6)** back into position **I**. The seconds hand **(4)** will start running again.

### Rapid date correction and local time-setting

- Pull the crown **(6)** out to position **II**.
- Turn the crown **(6)** forwards or backwards until you obtain the desired date. The hour hand **(2)** will advance in one-hour jumps and the date will change whenever the hour hand passes midnight.
- When the date is set, continue turning the crown **(6)** to position the hour hand **(2)** to the desired local time.

### Advice for synchronising your watch

To synchronise the seconds hand **(4)** with an official time signal (radio/TV/Internet), pull the crown **(6)** out to position **III**. The seconds hand **(4)** will stop. At the tone, push the crown **(6)** back into the rest position **I**.

## GMT functions

Traditionally, the term GMT is used to designate Greenwich Mean Time.

This reference time was used for much of the 20<sup>th</sup> Century, before being replaced by the more precise Coordinated Universal Time (UTC), in 1972.

Though regularly used as a synonym of UTC+0 due to its similarity, GMT is different since it is measured as a function of the Earth's rotation, whereas UTC uses atomic clock technology.

In the world of watchmaking, the acronym GMT is used when a watch has a second time zone display on its dial; you can choose the one you want.

## Winding

### Automatic mechanical watches

Your watch must be wound manually if it has stopped or not been worn for several days, in order to ensure that your watch remains in continuous operation during periods of low activity (e.g. during sleep).

In these cases, turn the crown through 30 revolutions forward in position **I**. The automatic winding system will then ensure that the movement is fully wound if the watch is on your wrist. It is also possible to fully wind an automatic watch manually by means of the winding crown. However, please note that automatic movements have a slipping spring, which disengages the winding system (the crown can be turned infinitely) once the movement has been fully wound. Generally speaking, 80 revolutions of the crown are enough to fully wind most automatic mechanical watches.

**The efficiency of the automatic winding system of a mechanical movement depends on the wrist movements of the person wearing the watch. Do not deliberately shake your automatic watch to wind it; this has no effect and could damage the watch.**

## Technical information

### Power reserve

CERTINA® automatic watches draw their energy from an oscillating weight which is activated in response to the natural movements of your wrist. This weight keeps the watch wound. Automatic watches do not need a battery. The GMT Powermatic 80 model has a power reserve of 80 hours.

### Accuracy

The accuracy of a mechanical watch depends on the movements and habits of the person wearing it, and so it can vary. A CERTINA® qualified watchmaker can adjust the accuracy of a watch within the CERTINA® tolerance thresholds. Most watches which are not certified chronometers have an average accuracy tolerance of around -10/+30 seconds per day. A chronometer is a precision mechanical watch which has obtained an official certificate issued by COSC (Contrôle Officiel Suisse des Chronomètres), after its movement has passed several accuracy tests in various positions and at various temperatures, as well as water-resistance tests performed in the laboratory for 15 days and 15 nights. To be awarded the title of chronometer, the average accuracy of a mechanical movement must be between -4/+6 seconds per day.

## Water resistance

CERTINA® watches are designed to withstand a pressure of up to 10 bar (100 m/330 ft), 20 bar (200 m/660 ft) or 30 bar (300 m/1000 ft), depending on the information shown on the case back.

A watch cannot be permanently guaranteed to be absolutely water-resistant. It may be affected by ageing of the gaskets or by an accidental impact on the watch. We recommend that you have your watch's water resistance checked once a year by an approved CERTINA® service centre.

## Care and maintenance

### Temperature

Do not expose your watch to sudden temperature changes (exposure to sunlight followed by immersion in cold water) or extreme temperatures (over 60 °C (140 °F) or below 0 °C (32 °F)).

### Magnetic fields

Do not expose your watch to intense magnetic fields such as those generated by loudspeakers, mobile phones, computers, refrigerators or other electromagnetic appliances.

### Shocks and impacts

Avoid thermal shocks or impacts, since they may harm your watch. In the event of a violent impact, please have your watch checked by an approved CERTINA® service centre.

### Harmful products

Prevent your watch from coming into any direct contact with solvents, detergents, perfumes, cosmetic products etc., since they may damage the bracelet/strap, the case or the gaskets.

### Cleaning

We would advise you to clean your watch regularly (except for the leather strap) using a soft cloth and lukewarm soapy water. After immersion in salty water, rinse your watch in fresh water and leave it to dry completely.

## Services

Like any precision instrument, a watch must be serviced regularly for optimum operation. As a general rule, we recommend that you have your watch checked every 3 to 4 years by your approved CERTINA® retailer or service centre. However, please note that depending on the climate and the conditions of use of the watch, a shorter interval may be required. To benefit from the highest standards of service and to ensure your guarantee remains in force, please always contact an approved CERTINA® retailer or service centre.

## Availability of spare parts

From the stoppage date of the watch production, CERTINA® guarantees the availability of its spare parts for a minimum period of 10 years for standard watches, and for a period of up to 20 years for gold watches. If, for any reason, production of a particular spare part is stopped or postponed, CERTINA® reserves the right, at its sole discretion, to offer the customer an alternative solution.