

# C900 WORLDTIMER

OWNER'S HANDBOOK

CHR. WARD  
L O N D O N

## TIME ON YOUR SIDE...

Your Christopher Ward watch has been designed and engineered by highly talented craftspeople to ensure not only accurate and precise timekeeping but also to bring a real pride of ownership that only luxury items of the highest quality can ever hope to deliver.

You have made an investment, a good one, and the aim of this handbook is to help you make the most of that investment during what I hope will be a lifetime of ownership.



Christopher Ward

### CONTENTS

HISTORY OF THE WORLDTIMER	2-3
YOUR C900 WORLDTIMER	4-7
THE WATCHMAKER	8-11
TECHNICAL INFORMATION	12-13
HOW TO OPERATE YOUR C900 WORLDTIMER	14-25
OUR CW360 WATCH CARE PROGRAMME	26-27
GENERAL INFORMATION	28

## HISTORY OF THE WORLDTIMER

The emergence of the Worldtimer is attributed to the growing importance of air travel and telecommunications.

One of the most useful functions available on a watch is the ability to know the hour in more than one time zone. Traditionally worldtimer dials are complex and difficult to read, and do not legislate for individual summer and winter time changes in certain countries. Therefore at certain periods of the year not all time zones indicated will be correct.

Worldtimers were originally developed in the 1930s by Louis Cottier, a famous independent watchmaker from Geneva. He devised a clever mechanism that gave the time in all time zones on a single dial at a glance.

Following the success of this ingenious system, Cottier specialised in complicated world time watches and produced designs for the most



Above: Louis Cottier

Right: Cottier Vacheron Constantin worldtimer, the first Cottier Universal Time watch signed Vacheron Constantin dating from 1932.



prestigious Geneva brands, notably Patek Philippe, Rolex, Vacheron Constantin and Agassiz.

His production totalled only 455 movements for world time pocket watches, wristwatches, and clocks. His work is easily recognisable by the distinctive shape of the hour hand.

The first Cottier Worldtimer, created for Vacheron Constantin in 1932, was a pocket watch with the times of 31 cities on the dial.

Cottier invented the very first two-crowned world time watch for Patek in 1950. He was also heavily involved in the creation of the archetypal GMT watch, the Rolex GMT-Master II, which was developed for Pan-Am pilots in the 1950s.

Christopher Ward was inspired by this classic for its own highly successful C60 Trident GMT models, which we first introduced in 2010.

*Right:* Christopher Ward C60 Trident GMT Automatic.

*Below:* A rare and distinctive Asassiz world time vintage yellow gold wrist watch circa 1945 made by Louis Cottier. It includes an original three-piece dial with moveable world time ring.



## YOUR C900 WORLDTIMER

Unlike other 24 time zone watches, your C900 Worldtimer is designed to be easy to set and simple to read. Prepare to be amazed.

The C900 Worldtimer has been ingeniously modified to make it easy to read across two different time zones. Instead of only the GMT hand rotating once every 24 hours to indicate the second time zone, celebrated Watchmaker, Johannes Jahnke, has changed the gearing system of the ETA 2893 automatic movement so that the hour hand also take 24 hours to complete a full cycle.

Additionally, Johannes has added a rotating disc which has the time zones indicated by individual airport codes in a window at 24 o'clock. The airport abbreviation makes the location much easier to read than if



it were spelled out in full amongst many other place names at the edge of the dial, as is usually the case.

In another unique modification, the same disc simultaneously indicates the geographic location on the C900's magnificent 3-dimensional world map dial.



The backplate lists in time zone sequence, the codes of the main airport in each of the designated cities. The modified ETA 2893 can be observed through the crystal exhibition window.



The longitude and latitude meridians are raised against the map and the oceans are expressed in blue with small dimples giving them a three dimensional quality.

The defining difference between the C900 Worldtimer and other GMT watches, is that by modifying local time from a 12 hour to a 24 hour system, together with the inclusion of a day and night indicator, it allows the user to have a clear understanding of the time difference between the two time zones indicated.

This unique and magnificent timepiece is beautiful and moves the art of horology a little further forward. We are proud it bears our name.

“IT IS ANOTHER HUGE STEP IN OUR STRATEGY OF BRINGING TECHNICALLY INNOVATIVE AND STRIKING ATTRACTIVE WATCHES TO THE MARKET AT ACCESSIBLE PRICES.”

CHRIS WARD





## AN INTERVIEW WITH JOHANNES JAHNKE, CREATOR OF THE C900 WORLDTIMER COMPLICATION

The C900 Worldtimer is the third complication that master watchmaker Johannes Jahnke has undertaken for Christopher Ward. Like the Jumping Hour and the Single Pusher Chronograph before it, the Worldtimer will set a new standard for the entire watchmaking industry in terms of ingenious design and incredible value. Here, Johannes describes his pride at making a watch which is both beautifully crafted and horologically innovative.

**Q. Without giving any trade secrets away, can you explain the modifications you have made to the ETA 2893 movement for the C900 Worldtimer?**

**J.** Firstly, we have changed the speed of the standard hour hand so that the hand turns once per day. This makes it easier to read the home-time and it's better to compare the two time zones. Normally it is easy to change the speed of a hand, but the movement wasn't prepared for changes like this. The standard GMT hand is driven by the standard hour hand. So if we only slow down the hour hand, the GMT will turn only once per two days.

And then we have added the location map with the airport code on top. The problem was the integration of the crown function to the setting of the location disc.

**Q. Why do you think nobody has ever approached a Worldtimer watch in this unique way before now?**

**J.** Often constructions are made in a very complicated way. The standard GMTs (like ETA 2893) are really cleverly made. Easy and good to use. But there is a big gap between these industrial calibres and the haute horlogerie.

I think it is the special mind of CW of adding something clever without adding 200 parts that is different. We have thought about a connected (more complicated) system where you can simulate the times in the time zones. But it makes no sense because due to time zone changes (summer and winter) and other influences, a programmed watch cannot be right at any time. So we think our system is less complicated, but it was still difficult to realise with the existing movement. Maybe this was the thin line between industrial and Geneva watchmaking which is so unique. In other words, we have made the complicated simple.



“WE THINK OUR SYSTEM IS LESS COMPLICATED, BUT IT WAS STILL DIFFICULT TO REALISE WITH THE EXISTING MOVEMENT. MAYBE THIS WAS THE THIN LINE BETWEEN INDUSTRIAL AND GENEVA WATCHMAKING WHICH IS SO UNIQUE.”

JOHANNES JAHNKE

**Q. Which is your favourite aspect of the new C900?**

**J.** You can read two time zones with the same scale reading without calculation. So if you're far away or at home, you can see on both times if it is night or day.

**Q. Where does Calibre JJ03 rank against your first two calibres for Christopher Ward, the Jumping Hour and the Single Pusher Chronograph?**

**J.** In terms of complication, it is technically in-between the Chronograph and the Jumping Hour. The Jumping Hour was more about moving levers driven by the minute wheel. The Chronograph is really very complicated with moving levers driven by the pusher and turning wheels driven by the movement. And the Worldtimer is with special gearings and tricks due to the existing movement configuration.

**Q. You and your team are personally assembling the C900 Worldtimer's at CW's atelier in Bienne. Who are the other team members and could you give us a brief overview of their backgrounds?**

**J.** Frank Stelzer is working with me in the construction department. We're using the same computer system and we are working together on 3D and 2D constructions. He is the man behind the Chronograph industrialisation. At the moment he works on the documentation and preparation of scaling the production of the Chrono-movement. He is a watchmaker and has studied watch-construction in Grenchen, Switzerland.

Stefan Morgenegg is working on the production side. All modules which are documented and finished are then passed onto his department. The first one or two hundred of each new construction we are producing together. Later he is running the series himself.

Stefan is a highly educated watchmaker and we will produce the first 200 Worldtimer modules together. Frank will take part after he has completed the Single Pusher Chronograph production.

**Q. Are you working on any new calibres for Christopher Ward that you want to share with us?**

**J.** There are a lot of new ideas in the pipeline. But currently we are working on two bigger projects which should be finished in the middle of 2014. So it is too early to communicate. But I can say that one is a modification of an existing movement and the other is different.

“WE’RE USING THE SAME COMPUTER SYSTEM AND WE ARE WORKING TOGETHER ON 3D AND 2D CONSTRUCTIONS.”

JOHANNES JAHNKE



# TECHNICAL INFORMATION

## FEATURES

- Swiss made
- Bespoke (patent pending) modification to an ETA 2893 automatic by Johannes Jahnke – Calibre JJ03
- 40 hour power reserve
- Dual 24 hour time indication operated through central crown function
- Unique airport code time zone indicator at 24 o'clock directly integrated with location indicators on the dial
- Personally assembled by master watchmaker, Johannes Jahnke and his team in Biel/Bienne, Switzerland
- Anti-reflective sapphire crystal
- 3D textured world map dial with 24 time zone location indicators
- Screw-down transparent case back with 24 time zone and location index
- Premium Louisiana alligator strap with Bader deployment

- 24 hour night and day indication
- Unique engraved individual serial number
- Personalised certificate of authenticity signed by Johannes Jahnke

## TECHNICAL INFORMATION

Diameter:	43mm
Height:	12.05mm
Calibre:	JJ03 (patent pending), automatic, modified from ETA 2893
Case:	316L Stainless steel
Water Resistance:	5 ATM (50 metres)
Vibrations:	28,800 per hour
Strap:	CITES certified, premium Louisiana alligator deployment strap
Dial	Blue-Silver





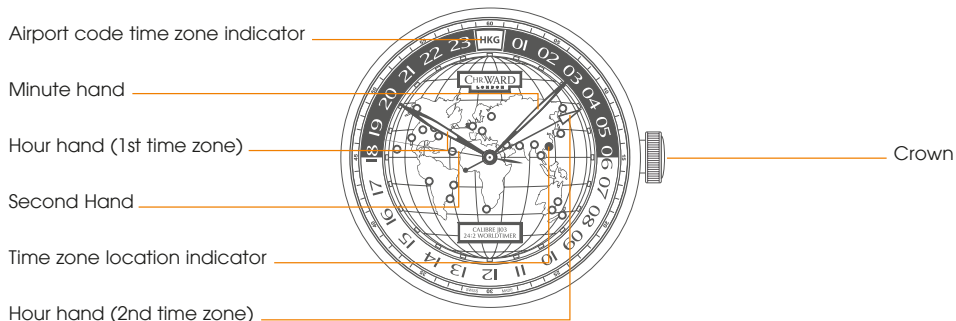
CHR. WARD  
LONDON

# HOW TO OPERATE YOUR C900 WORLDTIMER

CALIBRE JJ03  
24:2 WORLDTIMER

## DISPLAY AND CONTROL BUTTONS

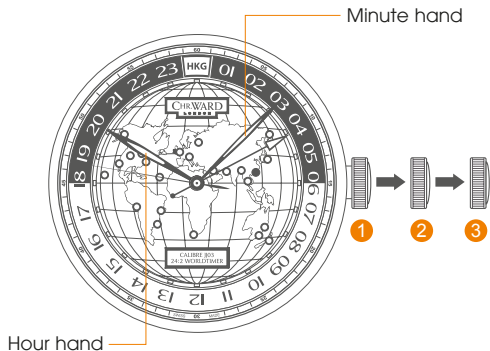
Your C900 Worldtimer has a maximum power reserve of circa 40 hours when fully wound. To re-power the watch after a period of non-use, simply wind the crown for approximately 20 revolutions. Normal wearing will very quickly allow the rotor to start re-powering the watch after putting it on your wrist.





## SETTING THE LOCAL TIME

- Keep the crown in position ① for winding in power. Wind in a clockwise direction to re-power the watch.
- Pull gently into position ③. This position is used for handsetting, and stopping of the second hand. For precise time setting it is recommended to pass beyond the desired minute and to set the hand backwards.







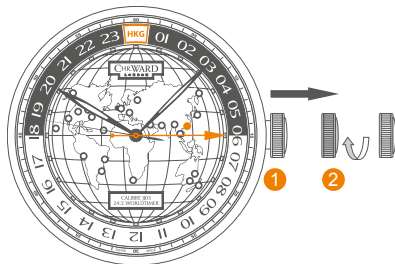


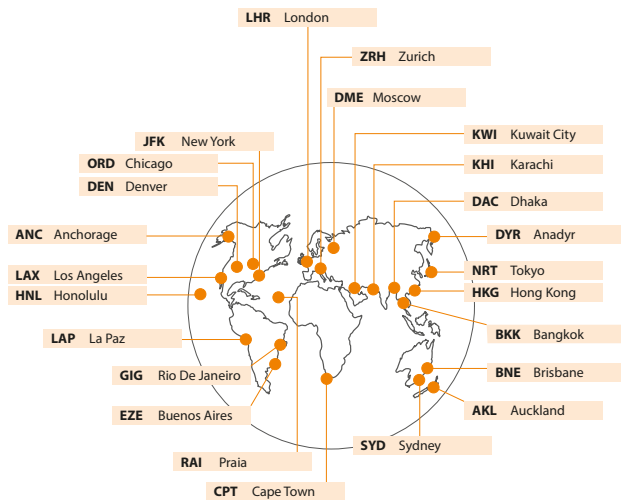
FIGURE.2



FIGURE.3

## TIME ZONE LOCATION INDICATOR

<b>AKL</b>	Auckland
<b>HNL</b>	Honolulu
<b>ANC</b>	Anchorage
<b>LAX</b>	Los Angeles
<b>DEN</b>	Denver
<b>ORD</b>	Chicago
<b>JFK</b>	New York
<b>LAP</b>	La Paz
<b>EZE</b>	Buenos Aires
<b>GIG</b>	Rio De Janeiro
<b>RAI</b>	Praia
<b>LHR</b>	London
<b>ZRH</b>	Zurich
<b>CPT</b>	Cape Town
<b>KWI</b>	Kuwait City
<b>DME</b>	Moscow
<b>KHI</b>	Karachi
<b>DAC</b>	Dhaka
<b>BKK</b>	Bangkok
<b>HKG</b>	Hong Kong
<b>NRT</b>	Tokyo
<b>BNE</b>	Brisbane
<b>SYD</b>	Sydney
<b>DYR</b>	Anadyr



- The backplate lists, in time zone sequence, the codes of the main airport in each of the designated cities.
- The full list of 24 locations starts with London LHR at the top and moves eastwards and clockwise through Zurich ZRH, Cape Town CPT and Kuwait City KWI and ending with Buenos Aires EZE, Rio De Janeiro GIG and Praia RAI (the main city of the Cape Verde Islands, located in the Atlantic off the west coast of Africa).





## WATER RESISTANCE

Although your watch has been through vigorous static pressure testing, it is worth remembering that there are many variables that can affect the water resistance of your watch.

For instance, arm movements during swimming and the sudden impact of diving and water sports will drastically increase the pressure the watch is under. Wearing your watch in the bath, shower, or sauna can also have an effect as a rapid increase in temperature can cause seals to expand and in extreme cases, malfunction or create condensation.

For these reasons, the water resistance rating of your watch (as shown) **should only ever be considered a guideline** and we strongly recommend they are always adhered to.



### **1 ATM (10 METRES)**

Safe to wear your watch while washing your hands with tap water.



### **3 ATM (30 METRES)**

Washing your car and/or general hose pipe usage.



### **5 ATM (50 METRES)**

Water resistant to most household shower units.



### **10 ATM (100 METRES)**

Safe to use while snorkelling in open water.



### **30 ATM (300 METRES)**

Ideal for experienced divers and those practising scuba-diving.



### **50 ATM (500 METRES)**

Professional divers, experiencing prolonged exposure underwater.



### **100 ATM (1000 METRES)**

Professional deep sea diving.



## WORLDTIMER ALLIGATOR STRAP

As you would expect, we place as much emphasis on the quality of our straps and bracelets as we do our watches. We only use the finest leathers for our straps and our premium alligator straps are all ethically sourced from CITES approved farms in Louisiana.

Similarly, we only use the finest metals in the construction of our bracelets, all of which are precision engineered for durability, efficiency and comfort. The following guidelines explain how easy it is to use and adjust your Christopher Ward strap with Bader deployment.

### ALLIGATOR STRAP WITH BADER DEPLOYMENT



1. Press to release
2. Pull open the clasp
3. Locate the opening and thread the strap through
4. Close the clasp



# OUR CW360 WATCH CARE PROGRAMME

Your watch is constructed from the finest components and materials available including one of Switzerland's finest automatic movements. As with all watches of this quality, with the right care and attention, your new Christopher Ward watch has the potential to become an heirloom piece giving further joy to future generations. It's for this reason we have created our industry leading approach to after-sales care which we term the CW360 Watch Care Programme.

Christopher Ward's CW360 Watch Care Programme is designed to deliver you complete peace of mind and the best support possible throughout the lifetime of your ownership. The programme has three key elements:

Visit our website for more details about the CW360 Watch Care Programme

#### **1 60 DAY FREE RETURNS**

---

Our success depends on you being completely happy with your new Christopher Ward watch. If for any reason you aren't, you have up to 60 Days to return your watch, absolutely free of charge, and receive a replacement or full refund by return – and without any quibbles from us!

#### **2 FREE 5 YEAR MOVEMENT GUARANTEE**

---

Your watch, at its heart, has a top quality precision engineered Swiss movement – so it's very unlikely to give you problems with the minimum amount of care and attention, including a regular service. We recommend you return your watch to us every 3/4 years for a service, so our expert technicians can keep your fine timepiece in the peak of condition.

#### **3 SERVICING & REPAIRS... THE CHRISTOPHER WARD WAY...**

---

Our innovative approach to servicing and repairing your Christopher Ward watch means that having your watch serviced or repaired doesn't mean months of waiting followed by an exorbitant bill – which is pretty much the experience guaranteed by every other luxury watch brand. We have developed an easy, quick and affordable expert service and repairs programme that doesn't cost the earth and has your watch back where it belongs – on your wrist – in double-quick time.

## KEEPING IN TOUCH WITH CHRISTOPHER WARD

From small beginnings just a few short years ago (our first workshop was actually a refurbished chicken shed!), Christopher Ward has won a worldwide following for his eponymous watch brand and can justifiably claim to manufacture the most affordable luxury watches in the world.

For many, the philosophy behind the brand, of trying to put luxury watches within the reach of everyone, is as attractive as the watches themselves, as is the very open approach of the business which means that Chris and the team spend a lot of time communicating personally with our customers – many of whom have become friends.

As the owner of a Christopher Ward watch, if ever you need to get hold of us we are at your service. We have listed some useful contact details on the back cover.

There is also always something new going on at our website at **[www.christopherward.co.uk](http://www.christopherward.co.uk)** and, if you haven't already discovered the independent forum dedicated to our brand at **[www.christopherwardforum.com](http://www.christopherwardforum.com)** we would recommend a visit. Informative and fun, it's a great place to hear the unexpurgated view of Christopher Ward of London!

# CHR. WARD

L O N D O N

## HEAD OFFICE

Christopher Ward (London) Limited,  
1 Park Street, Maidenhead,  
Berkshire SL6 1SL United Kingdom  
+44 (0)1628 763040

## CUSTOMER SERVICES

UNITED KINGDOM: +44 (0)844 875 1515  
UNITED STATES OF AMERICA: 1.877.226.8224  
[customerservices@christopherward.co.uk](mailto:customerservices@christopherward.co.uk)  
[technical@christopherward.co.uk](mailto:technical@christopherward.co.uk)

## WEBSITE

[www.christopherward.co.uk](http://www.christopherward.co.uk)  
[www.christopherward-usa.com](http://www.christopherward-usa.com)