CITIZEN QUARTZ
TWINCHRON
# Model No. JM9XXX
Cal. No. C24

• INSTRUCTION MANUAL

CTZ-D6761

1. MAIN FEATURES
This watch is a combination quartz watch with analog and digital displays. The watch has the CALENDAR, ALARM, STOPWATCH, TIMER and DUAL-TIME functions.

2. SETTING THE TIME (ANALOG)
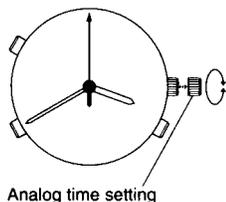
Analog time setting

1) Pull the crown out one step. The second hand will stop.
2) Set for the correct time by turning the crown.
3) Push the crown back to the original position. The watch will start running again.
* The analog indication and digital display of the time settings can be adjusted separately.

3. USING THE DIGITAL FUNCTIONS
### A. SWITCHING OVER THE MODE (FUNCTION)
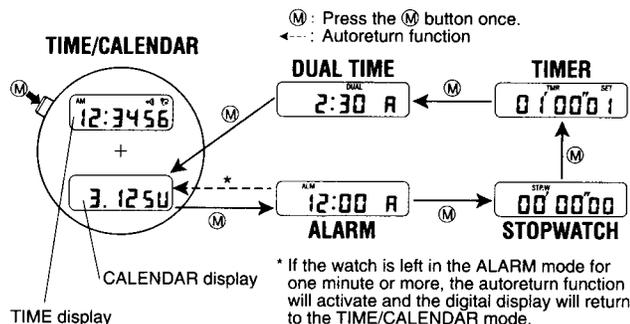
The mode of the watch changes each time the Ⓜ button is pressed. The upper window always shows TIME.

B. SETTING THE TIME/CALENDAR
To set the SECONDS:
1) Press the Ⓑ button in the TIME/CALENDAR mode for two seconds or more, until the SECONDS start flashing.
2) Press and release the Ⓐ button while the SECONDS return to "00" and restart.

To set the TIME/CALENDAR:
1) When the SECONDS are flashing, press and release the Ⓑ button repeatedly to select desired digits for adjustment.
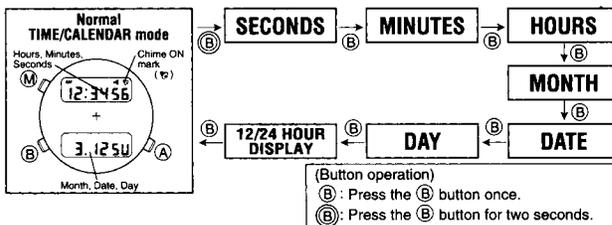

2) Make all necessary adjustments using the Ⓐ button. If you hold the Ⓐ button down, the digits will advance rapidly.
• Press and release the Ⓐ button to select the 12-hour or 24-hour display.
• Make sure that the AM/PM is set correctly when setting the 12-hour display.
• If the watch is left in the adjustment mode (digits flashing) for one minute or more, the autoreturn function will activate and the display will return to the TIME/CALENDAR mode.
• Press the Ⓜ button to return to the TIME/CALENDAR mode from the adjustment mode.
• If a nonexistent date (e.g. February 30) is set during adjustment, the display will automatically show the first of the next month when set to the TIME/CALENDAR mode.
• Monthend dates are adjusted automatically except for leap years. In a leap year, adjust the CALENDAR for February 29.

To set the CHIME (Time Signal)
Press the Ⓐ and Ⓑ buttons simultaneously in the TIME/CALENDAR mode. The "🔔" symbol appears and the CHIME sounds every hour on the hour. To cancel the CHIME setting, press the Ⓐ and Ⓑ buttons in the TIME/CALENDAR mode and the "🔔" symbol will disappear.

C. SETTING THE ALARM
To set the ALARM time:
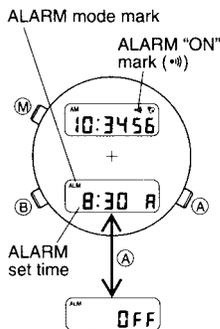
The ALARM can be set by following the same procedure as that for TIME/CALENDAR adjustment. The ALARM can be set to Hours and Minutes only.
1) Press and release the Ⓑ button in the ALARM mode until desired digits flash and then make adjustment.
2) Press the Ⓐ button to set the ALARM time.
* The ALARM display will automatically synchronize with the 24-hour display of the TIME/CALENDAR.

To switch the ALARM ON/OFF:
The ALARM can be switched ON/OFF by pressing the Ⓐ button in the ALARM mode. When the ALARM is set ON, the set time and the "🔔" symbol appear and when it is switched OFF, "🔔" appears in the display.

To stop the ALARM sound:
The ALARM sounds for about 20 seconds. Press any button to stop the sound.
* Press the Ⓐ button while in the ALARM mode to check the alarm sound.

Normal STOPWATCH mode

STOPWATCH mode mark

STOPWATCH counting time
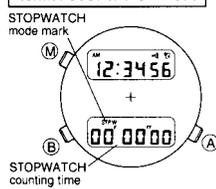
D. USING THE STOPWATCH
The STOPWATCH measures in increments of 1/100 of a second, up to 59' 59" 99 hundredths. It will then return to 00' 00" 00 and restart counting.

To use the stopwatch:
1) Press the Ⓐ button to start/stop the STOPWATCH.
2) Press the Ⓑ button to check Split Time while the STOPWATCH is in measurement."SPL" flashes while the Split Time is shown.
3) To return to the STOPWATCH measurement display, press the Ⓑ button while Split Time is shown.
4) When the Ⓑ button is pressed in the stop state, the STOPWATCH mode is switched to the reset state.

Split time
Split time
Start   Interval A   Interval B   Goal

*Split Time shows the elapsed time at a given interval point between the start and the goal.
You can switch the watch to another mode by pressing the M button while the STOPWATCH is counting. The STOPWATCH continues its counting. To check the counting, switch the watch to the STOPWATCH mode again.

E. USING THE TIMER
The TIMER can be set up to 60 minute in one minute increments. When the TIMER reaches to 00' 00", the alarm will beep for about five seconds.

Normal TIMER mode

TIMER mode mark

Remaining time

TIMER set time
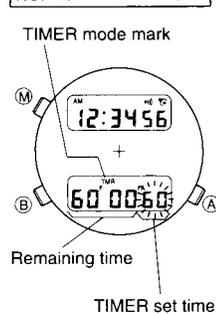
To set the TIMER:
When in the TIMER mode, press the Ⓑ button while the digits are flashing. The digits is decreased in one-minute decrement from 60 minutes downward. Set to desired time. Hold the Ⓑ button down to quicken the change of the TIMER digits.

To use the TIMER:
1) Press the Ⓐ button. The TIMER Starts countdown from the set time.
2) Press the Ⓐ to stop the countdown. To resume the countdown, press the Ⓐ button again.
3) Press the Ⓑ to reset the TIMER in TIMER stop state. When the TIMER reaches to 00'00", the display returns to the original setting.

To restart the countdown:
Press the Ⓑ button while the countdown is continuing. The TIMER will return to the original setting and restart the countdown.

F. USING THE DUAL TIME
You can set another time (Local Time) in the DUAL TIME mode in addition to the normal TIME/CALENDAR display (Home Time). This function is especially convenient when your are travelling abroad.

Normal DUAL TIME mode

DUAL TIME mode mark

DUAL TIME display (Hours, Minutes)
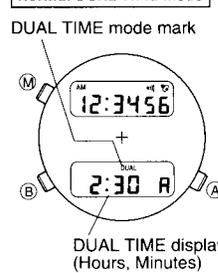
To set the DUAL TIME:
The DUAL TIME can be set by following the same procedure as that for the TIME/CALENDAR adjustment.
1) Press the Ⓑ button to select desired digits for adjustment. The digits flash. Press the Ⓐ button to set the DUAL TIME.
* Since the DUAL TIME display will automatically synchronize with the 12-hour display of the TIME/CALENDAR, make sure that the "A" (a.m.) or "P" (p.m.) symbols indicate correctly.

4. USING THE REGISTER RING BEZEL
Adopted for the models with the register ring bezel
The register ring gives you a convenient way to calculate the elapsed time or remaining time.

Fig. 1   Fig. 2
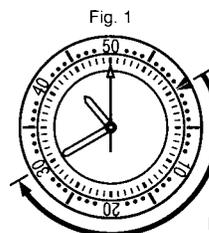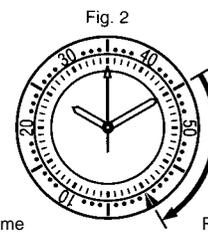
Elapsed Time   Remaining time

* Note that the Register Ring bezel is not equipped on some modes.

Calculating the elapsed time
Align the minute hand with the register ring zero mark (▼). The elapsed minutes since the ring was set can now be easily calculated by comparing the positions of the zero mark and the minute hand.
Example:
(1) Current time is 10:10.
Align the zero mark (▼) with the minute hand.
(2) The watch is next checked at 10:40. To determine the elapsed time, read the number off the register ring at the minute hand position. The elapsed time is 30 minutes (fig. 1).

Calculating the remaining time
Align the register ring zero mark (▼) with the target time and use the ring's calibrations to calculate the remaining minutes.
Example:
(1) The target time is 10:25.
Set the register ring zero mark (▼) to the 25 minute mark on dial.
(2) If the current time is 10:10 the remaining time is 15 minutes as calculated from the register ring (fig. 2).

5. USING THE ALL REST FUNCTION

The watch may show an abnormal display or action after the power cell has been replaced or when it has a strong shock. In such case, use the ALL RESET FUNCTION to set the watch back to normal.
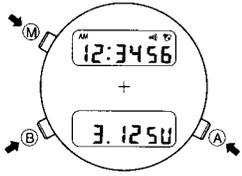
1) Press the Ⓐ, Ⓑ and Ⓜ buttons simultaneously for over three seconds.
2) Release the buttons when all digits disappear. The alarm will beep at this time as confirmation.

3) Adjust the watch to the correct time.

6. PRECAUTIONS

a. Avoid temperature extremes

Avoid leaving your watch in direct sunlight or in extremely warm or cold locations for long periods of time.
• This will cause malfunctioning and shorten the life of the battery.
• This may cause your watch to gain or lose time and affect its other functions.
• Place your watch on your wrist to restore its original accuracy should it begin to gain or lose time.

b. Avoid strong shocks

This watch will withstand the bumps and jars normality incurred while playing and during sport activities.
Avoid dropping your watch on the ground or subjecting the watch to strong shock which may cause malfunction or damage.

c. Resistance to water

Check the chart to determine the water resistance properties of this watch.

Indication		Light spray, perspiration, light rain, etc.	swimming, etc	Water related use		Pulling the crown out when the watch is wet.
Watch face	Caseback			Skin diving (without air tank)	Skin diving (with air tank)	
–	WATER RESIST,	OK	NO	NO	NO	NO
WATER RESiSTANT (5 bar)	WATER RESIST	OK	OK	NO	NO	NO
WATER RESiSTANT (10-20 bar)	WATER RESIST	OK	OK	OK	NO	NO
"WATER RESISTANT" may sometimes be abbreviated as "WATER RESIST"				* Always set the crown in the normal position *Tighten screwlock crown completely		

d. Avoid strong magnetic fields

Keep your watch out of the immediate vicinity of strong magnets.
Generally, your watch is not affected by magnetic fields from such household appliances as television sets and stereo equipment.

e. Static electricity
The integrated circuits used in the watch are sensitive to static electricity. If exposed to intense static electricity, the watch's display may lose its accuracy.

f. Avoid harmful chemicals, solvents and gases
Avoid wearing your watch in the presence of strong chemicals, solvents and gases. If your watch comes in contact with materials such as gasoline, benzine, paint thinner, alcohol, spray cosmetics nail polish, nail polish remover, adhesives or paints, discoloration or damage to the case, band and other components may occur.

g. Keep your watch clean
It may become difficult to pull the crown out due to dirt and dust getting caught between the crown and the watch case when the watch is worn for long periods of time. To help prevent this from happening, turn the crown back and forth occasionally while it is in the normal position.
Wipe off any water and moisture that adheres to the case, glass and band with a soft, clean cloth. Any dirt left on the case or band may cause skin rash.
A watchband will easily become soiled with dust and perspiration because it is in direct contact with the skin. Even a stainless or gold-plated band may begin to corrode if it has not been cleaned for a long period of time.
Mesh bands, because the mesh is very fine, will lose the their particular "flexibility" if they are left soiled for a long time.
Metal watchbands are usually washed with a brush in mild, soapy water then rinsed and wiped well with a soft, absorbent cloth to make sure all water is removed. Pay attention to prevent any water from getting inside your watch when the band is washed.

h. Periodic inspection
Getting your watch checked once every year or two is recommended to ensure long use and trouble-free operation.

i. Be sure to keep the batteries out of reach of infants and small children. Should accidental ingestion occur, consult a doctor at once.

7. SPECIFICATIONS
- Cal. No.:   C240
- Type: (Analog + digital) combination quartz watch
- Accuracy when worn under normal temperatures: Within $\pm$ 20 seconds per month
- Operative temperatures: 0°C to 55°C (32°F to 131°F)
- Display functions:
  - \<Analog section\>   Hours/Minutes/Seconds
  - \<Digital section\>   Time/calendar
  -                             Alarm
  -                             Stopwatch
  -                             Timer
  -                             Dual time
- Power cell: Power cell No. 280-44; Power cell code SR927W
- Power cell life: Approx. 2 years based on the assumed daily use of the ALARM sound for 20 secs and TIMER time-up sound for 5 secs

(The watch will keep the specified accuracy for about 2 years when used under normal conditions after a new power cell has been installed. However, the power cell life will vary depending on the frequency of use of the ALARM, STOPWATCH and other functions.)

*These specifications are subject to change for product improvement without prior notice.