W540

ALBA デジタル

取扱説明書
INSTRUCTION

ALBA W540

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なお、この取扱説明書はお手もとに保存し必要に応じてご覧ください。

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セイコーウオッチ株式会社

本　社　東京都港区芝浦一丁目2番1号　〒105-8467

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なお、ご不明の点は下記へお問い合せください。

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〒810-0801 福岡市博多区中洲 5-1-22
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FEATURSE

This watch is a multi-function watch that features a dot-matrix display liquid crystal panel.

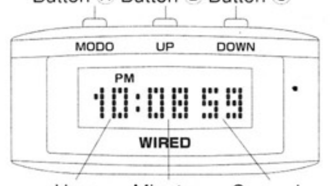
- ● Time/calendar display function. ····The time and calendar (hour, minute, seconds, month, date and day of the week) are displayed.
- ● Automatic calendar function. ······The calendar adjusts for odd and even months. (from 2000 to 2050)
- ● Memo function ····················A 5-channel memo function is provided. Up to 40 characters can be entered in each channel.
- ● World time function ················The time of 33 cities in different time zones throughout the world can be displayed. The daylight saving time (summer time) can also be shown for each city.

※Before using the daylight saving time function, be sure to check if the daylight saving time is in effect in the city you have selected. The use of the daylight saving time may change when it is so decided by the country concerned.

DISPLAY AND BUTTON OPERATION

(Changeover of displays)

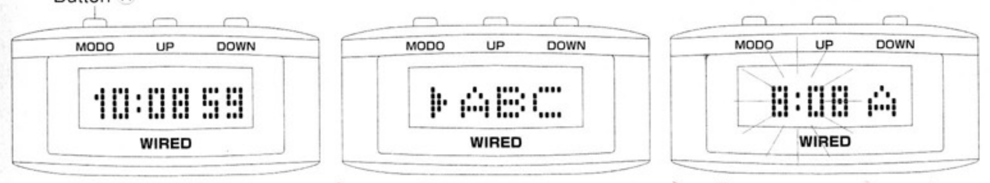
Button Ⓐ Button Ⓑ Button Ⓒ



Hour　Minutes　Seconds

●With each press of button Ⓐ, the display changes over in the following order.

Button Ⓐ



「TIME display」 → A 「MEMO display」 → A 「WORLD TIME display」

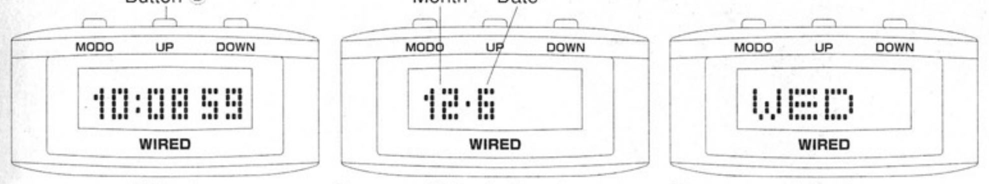
Button Ⓐ

・Note on the data to be shown when the display is changed over.

Display	Display name or mark shown: ※Scrolls from the top to the bottom.	Data shown after the display name or mark: ※Scrolls from right to left.
TIME display	TIME	Current time
MEMO display	MEMO	Memo channel No. and the stored memo
WORLD TIME display	[illegible]	Name and time of the selected city

●How to read the calendar (Month, date and day)
With each press of button Ⓑ in the TIME display, the display changes in the following order.

Button Ⓑ　Month　Date

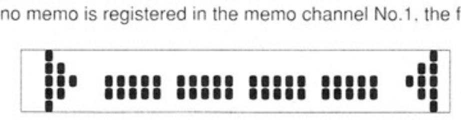


「Time」 → B 「Month, Date」 → B 「Day」

Button Ⓑ

※When the display is changed over, the selected display scrolls from right to left.
※The day of the week is displayed in its first three letters.
※If the watch is left untouched with the month and date or the day of the week displayed, it will automatically return to the TIME display in 1 to 2 minutes.

●Demonstration display (Continuous display of the memo registered in the memo channel No.1)
Press button Ⓒ in the TIME display to start the demonstration. The memo registered in the memo channel No.1 continues scrolling.
To stop the demonstration, press button Ⓒ again. The watch will return to the TIME display.
※For the memo input, refer to "■ HOW TO USE THE MEMO FUNCTION".
※If no memo is registered in the memo channel No.1, the following display scrolls.

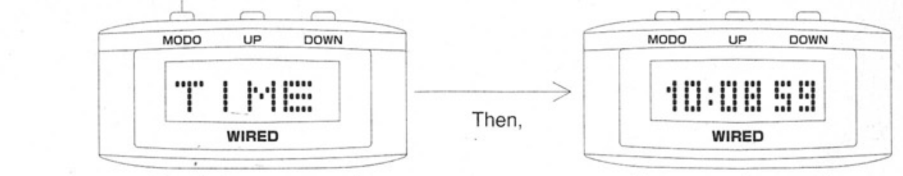


HOW TO SET THE TIME / CALENDAR

The watch is provided with a world time function. By setting the time in the TIME/CALENDAR display, the time of the cities covered in the WORLD TIME display will be adjusted accordingly. When setting the TIME/CALENDAR, therefore, be sure to select the city representing the area for which you wish to set the time/calendar. Otherwise, the world time function will not work properly.

①Press button Ⓐ to show the TIME/CALENDAR display.

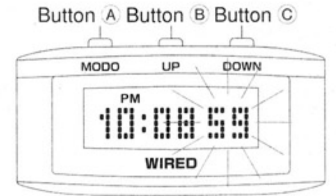
Button Ⓐ



The display name scrolls from the top to the bottom. → Then, The current time scrolls from right to left.

②Press button Ⓐ for 1 to 2 seconds to show the TIME/CALENDAR SETTING display.

Button Ⓐ Button Ⓑ Button Ⓒ



The second digits start flashing.

※If the watch is left untouched with the digits flashing, it will automatically return to the TIME/CALENDAR display in 1 to 2 minutes.

③Press button Ⓐ repeatedly to select the digits to be adjusted (flashing). With each press of button Ⓐ,

Seconds —Button Ⓐ→ Minutes —Button Ⓐ→ Hour —Button Ⓐ→ Year —Button Ⓐ→ Month —Button Ⓐ→ Date —Button Ⓐ→ City —Button Ⓐ→ 12/24-hour indication (Both the hour and minute disits flash.) —Button Ⓐ→ Seconds

selection of the digits to be adjusted (flashing) is made in the following order.

④Press button Ⓑ or Ⓒ to set the flashing digits. One digit is increased or decreased with each press of button Ⓑ or Ⓒ, respectively. The digits move quickly if the respective buttons are kept pressed.
When setting the city, select one representing the time zone that includes the area for which you wish to set the time. If you wish to set the time of Japan, for example, select "TYO (Tokyo)" and then, set the current time of Japan.
When both the hour and minute digits are flashing, changeover between the 12-hour and 24-hour indications can be made.
In the 12-hour indication, only "PM" mark is displayed and there is no indication for the AM setting.
※When the time of your area is displayed in the 24-hour indication in the TIME display, the times of the cities covered in the WORLD TIME display are also displayed in the 24-hour indication.
※For the city names and time differences, refer to "TIME DIFFERENCES".

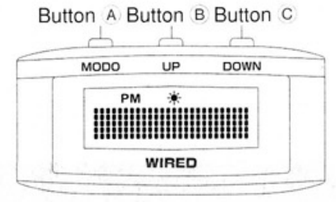
⑤After all the adjustments are completed, press button Ⓐ for 1 to 2 seconds to return to the TIME/CALENDAR display.

●Seconds setting : While the second digits are flashing, press button Ⓑ or Ⓒ in accordance with a time signal. The seconds are reset to "00". When the seconds count any number between "30" and "59" and button Ⓑ or Ⓒ is pressed, one minute is added, and the second are immediately reset to "00".

<All the segments lighting up>

※While in the TIME/CALENDAR SETTING display, the display as shown below will appear if both buttons Ⓑ and Ⓒ are pressed at the same time. This is not a malfunction. Press button Ⓐ, Ⓑ, or Ⓒ to return to the TIME/CALENDAR display, and then set the time/calendar again following the steps above starting from "1".

Button Ⓐ Button Ⓑ Button Ⓒ



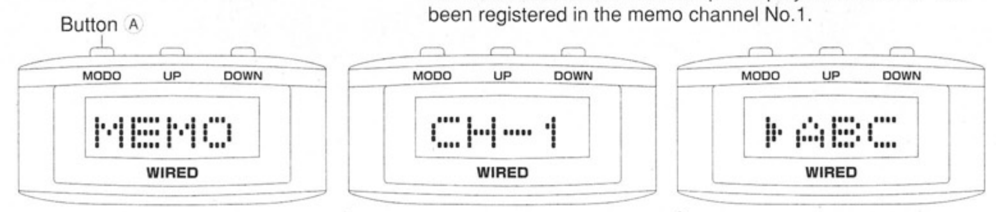
HOW TO USE THE MEMO FUNCTION

A 5-channel memo function is provided to register a memo in each channel for display. Up to 40 characters including alphabets, numerals and symbols can be entered for each channel.

●How to show the memo display.
①Press button Ⓐ to show the MEMO display

Button Ⓐ

The illustration shows the example display when "A B C" has been registered in the memo channel No.1.



The display name scrolls from the top to the bottom. → Then, The memo channel No. scrolls from right to left. → Followed by,

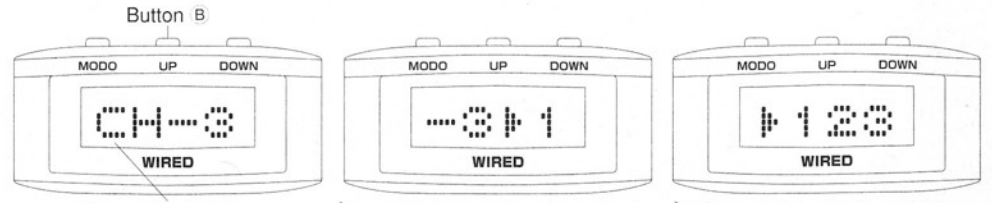
※The memo channel selected previously is displayed.
②Press button Ⓑ to select the desired memo channel (from "CH - 1" to "CH - 5").

CH — 1 —Button Ⓑ→ CH — 2 —Button Ⓑ→ CH — 3 —Button Ⓑ→ CH — 4 —Button Ⓑ→ CH — 5 —Button Ⓑ→ CH — 1

※Selection of the memo channel can be made by pressing button Ⓑ even while the memo channel No. is scrolling.

<When the memo channel No.3 is selected>

Button Ⓑ



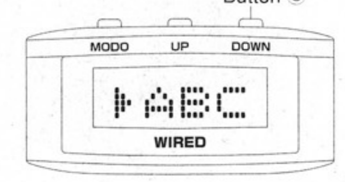
Memo channel No. → While the memo channel No. is scrolling → The memo scrolls, and then, its first three characters remain displayed.

※A memo is displayed with "▶" at its beginning and "◀" at its end.
(Refer to "●Notes on scroll display of the memo".)

●Scroll display of memo
・The memo stored in a memo channel has more than 4 characters, the display scrolls to show the rest of the characters.
・The scrolling display can be stopped or restarted as desired.

①Press button Ⓑ to select the desired memo channel.
②Press button Ⓒ to start the scroll and stop of the memo display.

Button Ⓒ

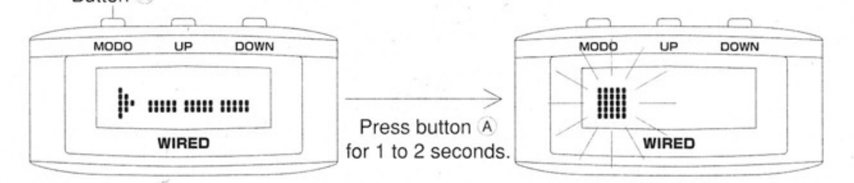


☆While the display is scrolling.....
→By pressing button Ⓒ, the scroll stops.
☆While the scroll is stopped.....
→By pressing button Ⓒ, the scroll restarts.
☆While the scroll is finished with the first three character displayed.
→By pressing button Ⓒ, the scroll starts.

③After the last characters are shown, the first 3 characters will appear.
To restart the scroll, press button Ⓒ.
To show the memo in the other memo channel, follow the procedure starting from step ①.

●How to input the memo
①Press button Ⓐ to show the MEMO display.
②Press button Ⓑ to select the desired memo channel.
③Keep button Ⓐ pressed for 1 to 2 seconds to show the MEMO INPUT display. A flashing cursor appears on the display.

Button Ⓐ

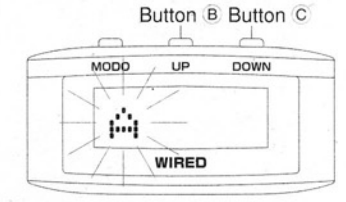


Press button Ⓐ for 1 to 2 seconds. 「MEMO INPUT display」

The above illustration shows the example display when a character is input into an empty memo channel.
※If the watch is left untouched with a cursor flashing, the display automatically returns to the MEMO in 1 to 2 minutes.

④By pressing button Ⓑ, the flashing character changes in order. The character changes quickly if the button is kept pressed.
By pressing button Ⓒ, the flashing character changes in reverse order.
The character changes quickly if the button is kept pressed.

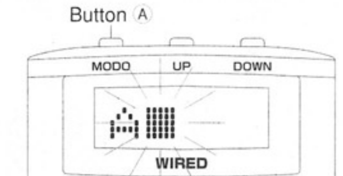
Button Ⓑ Button Ⓒ



※For the types of characters usable for the MEMO display and the order in which they appear by pressing button Ⓑ or Ⓒ, see "● Characters for the memo input and the order of appearance."

⑤When the desired character is shown, press button Ⓐ to register it.

Button Ⓐ



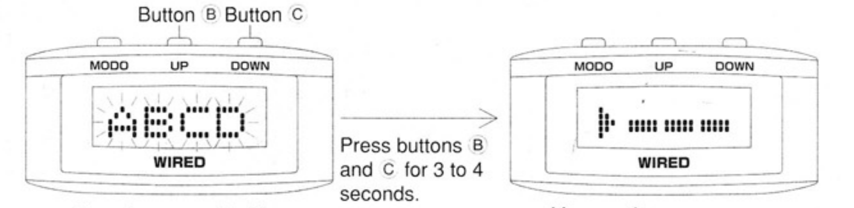
As button Ⓐ is pressed to register the first character, the flashing position moves rightward for the input of the second character.
To input the next character, follow the procedure step ④.
※Please note that if the entered memo has a few characters, up to 4 spaces are included in the memo.

⑥After the entire memo has been input, press button Ⓐ for 1 to 2 seconds to return to the MEMO display.

●How to correct the MEMO
①To correct the characters already registered, press button Ⓐ in the MEMO INPUT display to move the flashing position so that the character you wish to correct flashes. Then, press button Ⓑ or Ⓒ to show the desired character.
②Please note that you cannot insert a character, or delete one close up the space.

●How to erase a MEMO
The entire memo in each memo channel can be erased from memory.
①Press button Ⓑ to select the desired memo channel.
②Keep button Ⓐ pressed for 1 to 2 seconds to show the MEMO INPUT display.
③Keep both buttons Ⓑ and Ⓒ pressed at the same time for 3 to 4 seconds.

Button Ⓑ Button Ⓒ



Four characters flashing → Press buttons Ⓑ and Ⓒ for 3 to 4 seconds. → After erasing, the empty display scrolls once

④To erase the other memochannel, follow the pocedure above starting from the step ①.

●The following characters can be used to enter the memo.
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9 0 ! ? @ # + ＊
/ = % ♥ ～ ' " < > - _ : ; ・ , .（Blank space）

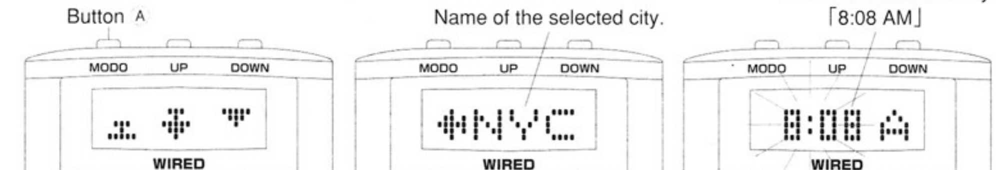
HOW TO USE THE WORLD TIME FUNCTION

・The time of 33 cities in different time zones throughout the world can be displayed. The daylight saving time (summer time) can be set for each city.

The times of the 33 cities is set on the basis of the your area you have set in the TIME/CALENDAR display. Please check, therefore, that the time/calendar of your area has been set accurately in the TIME/CALENDAR SETTING display.

●How to use the WORLD TIME FUNCTION
①Press button Ⓐ to shown the WORLD TIME display.

Button Ⓐ　Name of the selected city.　Time of the selected city 「8:08 AM」

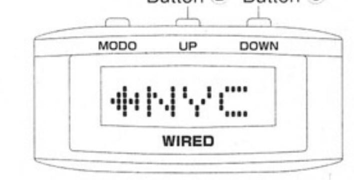


The display mark scrolls from the top to the bottom. → Then, The name and time of the city selected previously scroll from right to left. → The name and time of the city selected previously are displayed.

※In the 12-hour indication, only "P" mark is displayed at the right of the time for the PM setting. There is no indication in the 24-hour indication.
※The city selected previously in the WORLD TIME display is displayed.

②Press button Ⓑ or Ⓒ to select the desired city.

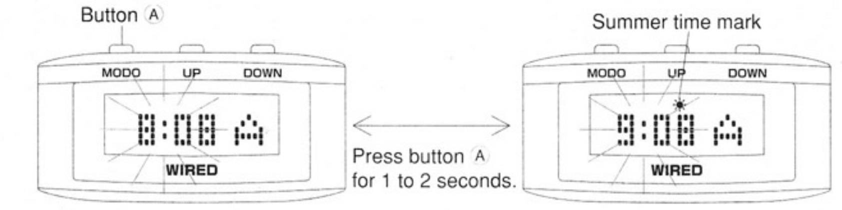
Button Ⓑ Button Ⓒ



Button Ⓑ: Selecting the cities eastward on the world map
The name of the selected city scrolls from right to left to show its time.
Button Ⓒ: Selecting the cities westward on the world map
The name of the selected city scrolls from left to right to show its time.
※If the button is kept pressed, the name of city changes quickly.
※For the city names and time differences, refer to "TIME DIFFERENCES".

●To set the daylight saving time (summer time)
・The daylight saving time can be set for each city.
①In the WORLD TIME display, press button Ⓑ or Ⓒ to select the desired city.
②Press button Ⓐ for 1 to 2 seconds. The daylight saving time mark appears, and the time of the selected city is advanced by one hour from the standard time.
To show the standard time, press button Ⓐ again for 1 to 2 seconds.

Button Ⓐ　Summer time mark



The daylight saving time is not set. ←Press button Ⓐ for 1 to 2 seconds.→ The daylight saving time is set.

③To set the daylight saving time for the other city, follow the procedure above starting from step ①.
※If the daylight saving time is set for the city representing your area in the WORLD TIME display, the time in the TIME/CALENDAR display will also be advanced by one hour to show the daylight saving time.
※Before using the daylight saving time function, be sure to check if the daylight saving time is in effect in the city you have selected. The use of the daylight saving time may change when it is so decided by the country concerned.

TIME DIFFERENCES

The abbreviated names of the 33 cities and their time differences from the Greenwich Mean Time are listed in the table below.

Abbreviated city name	Name of city or area	Time difference from GMT	Use of daylight saving time
L O N	London	±0	○
P A R	Paris	+1	○
M I L	Milan		○
B E R	Berlin		○
I S T	Istanbul	+2	○
A T H	Athene		○
C A I	Cairo		○
M O W	Moscow	+3	○
D X B	Dubai	+4	
M L E	Male	+5	
D A C	Dacca	+6	
B K K	Bangkok	+7	
S G N	Saigon		
H K G	Hong Kong	+8	
P E K	Beijing		
T P E	Taipei		
D P S	Denpasar		
S I N	Singapore		
T Y O	Tokyo	+9	
S E L	Seoul		
G U M	Guam	+10	
S Y D	Sydney		○
N O U	Noumea	+11	
A K L	Auckland	+12	○
H N L	Honolulu	−10	
Y V R	Vancouver	−8	○
L A X	Los Angels		○
P D X	Portland		○
C H I	Chicago	−6	○
N Y C	New York	−5	○
C C S	Caracas	−4	
R I O	Rio de Janeiro	−3	○
P D L	Azores	−1	○

※The time differences and use of daylight saving time may change in some areas or countries when they are so decided by the countries concerned.

SPECIFICCATIONS

1. Frequency of crystal oscillator ··············32,768Hz (Hz=Hertz···Cycles per second)
2. Loss/gain ························ Average monthly rate: ±30 seconds (in temperatures of between 5℃ and 35℃ on your wrist)
3. Operational temperature range ··············−5℃～+50℃ (0℃～+50℃ for the display)
4. Display medium ························Nematic Liquid Crystal, FEM (Field Effect Mode)
5. Battery ························Lithium battery SB-AS, 1 piece
6. Battery life ························Approx. 2 years
7. IC (Integrated Circuit) ····················C-MOS-IC, 1 piece

※ The above specifications are subject to change without prior notice, for product improvement.

NOTE ON THE LIQUID CRYSTAL PANEL

The normal life expectancy for the liquid crystal panel of the watch is approximately 5 years. After that, it may decrease in contrast, becoming difficult to read. Please contact the retailer from whom the watch was purchased or an AUTHORIZED ALBA DEALER to have the liquid crystal panel replaced with a new one.
It will be made at cost.

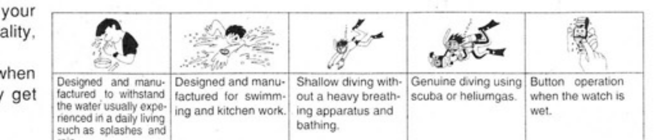
VIVIDIGI

"VIVIDIGI" is a newly developed liquid crystal panel that has various color combinations of segments and background and lights up in various manners, providing wide varieties of displays.
Features
(1) "VIVDIGI" has high light-transmissivity and lightreflectance to give a vivid and clear display.
(2) The segments for digits and the entire background of the display can be illuminated in various colors.
(3) Either the whole display or only the segments are illuminated depending on models.
※Above features of "VIVIDIGI" are embodied differently from model to model.

CARE OF YOUR WATCH

⚠ CAUTION

●**WATER RESISTANCE**
・Check the dial or case back of your watch for the water resistant quality, and then see the table below.
・Do not turn or pull out the crown when the watch is wet, as water may get inside the watch.

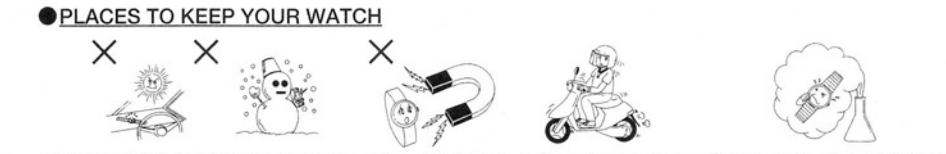


		Designed and manufactured to withstand the water usually experienced in a daily living such as splashes and rain.	Designed and manufactured for swimming and kitchen work.	Shallow diving without a heavy breathing apparatus and bathing.	Genuine diving using scuba or heliumgas.	Button operation when the watch is wet.
"WATER RESISTANT" is not inscribed on the back of your watch case.		×	×	×	×	×
"WATER RESISTANT" is inscribed on the back of your watch case.		○	×	×	×	×
"WATER RESISTANT 5・10・15・20 BAR.", "WATER RESISTANT" and marks inscribed on the back of your watch case.	5 BAR.	○	○	×	×	○
	10・15・20 BAR.	○	○	○	×	○

●**ABOUT BATHING**
Your watch can be worm while bathing if it is equipped with water resistance over 10 bar.
・In that case, please note the following carefully.
・Please do not operate your watch (Crown operation, Button operation etc.) When it is wet with soap or shampoo. it sometimes causes a reduction in the water proofing.
・When the watch gets warm due to warm water, the watch could gain or lose time to some degree. However, the watch will return to its usual accuracy at normal temperatures.

⚠ WARNING
・If your watch is 3 bar water resistant, do not use it in water.
・If your watch is 5 bar water resistant, do not use it in any type of diving including skin diving.
・If your watch is 10 or 20 bar water resistant, do not use it in saturation diving or scuba diving.

●**PLACES TO KEEP YOUR WATCH**



・If the watch is left in a temperature below -5℃ or above +50℃ for a long time it may function improperly or stop operating.
※This watch is so adjusted that it will maintain stable time accuracy in normal temperatures.(5℃～35℃)
It will lose or gain slightly, but it will regain high time accuracy when it returns to normal temperature.
・Do not leave the watch in a place where it is subjected to strong magnetism or static electricity.
・Do not leave the watch where there is strong vibration.
・Do not leave the watch in a dusty place.
・Do not expose the watch to gases or chemicals.
(Ex.: Organic solvents such as benzine and thinner, gasoline, nail polish, cosmetic spray, detergent, adhesives, mercury, and iodine antiseptic solution.)
・Do not leave the watch in a hot spring, or do not keep it in a drawer having insecticides inside.

⚠ CAUTION

●**CARE OF YOUR WATCH**
・The case and bracelet touch the skin directly just as underwear. If they are left dirty, the edge of a sleeve may be stained with rust of those who have a delicate skin may have a rash.
・After removing the watch from your wrist, wipe perspiration or moisture with a soft cloth. This will prevent the watch from being soiled, adding to the life of the gasket.

METAL BRACELET
・Clean the watch bracelet with a soft toothbrush dipped in water or soapy water. If your watch is not water-resistant, be careful not to get the case wet when cleaning.

LEATHER BAND
・When removing moisture from a leather band, do not rub the band with the cloth as this may discolor it or reduce its gloss. Be sure to blot up the moisture using a soft dry cloth.

SOFT PLASTIC BRACELET
・If your watch has a soft plastic band such as urethane band, do not leave the watch under a fluorescent lamp or direct sunlight for a long time, or do not leave the band soiled. Otherwise, the band may be discolored, hardened or broken. Also, do not keep the watch in a place where it is exposed to high humidity, or do not leave the band wet with perspiration or water. Otherwise, the band may be discolored in a very short time.
When the band is soiled, rinse it in soapy water. Do not use solvents for cleaning as some solvents may deteriorate the band.
If your watch has a semitransparent urethane band, which is easily discolored, special care should be taken to keep it clean. Depending on the condition of use, the semitransparent band may be discolored after several months of use.

●If your watch is not water-resistant, be careful not to get wet with water or sweat. When it gets wet with water or sweat, wipe it thoroughly dry with a hygroscopic cloth.
●If your watch is 5, 10 or 20 bar water resistant, rinse it in a bowl of fresh water after used in seawater. Do not use chemicals to wash it.
●If your watch has a rotating bezel, clean the bezel regularly. Otherwise, dust will gather under it, making the rotation harder.

●**RASH AND ALLERGY**
・Adjust the bracelet or band so that there will be a little clearance between the bracelet or band and your wrist to avoid accumulation of perspiration.
・If you are constitutionally predisposed to rash, the band may cause you to develop a rash or an itch depending on your physical condition.
・The possible causes of the rash are as follows:
1. Allergy to metals or leathers
2. Rust, dust or perspiration on the watch or band
・If you develop any skin reactions, take off the watch and consult a doctor immediately.

●**PRECAUTIONS ON WEARING YOUR WATCH**
Take utmost care in the following cases:
・When clasping and unclasping the band, you may damage your nail, depending on the type of clasp used with the band.
・In case you tumble and fall or bump into others with the watch worn on your wrist, you may be injured by the reason of the fact that you wear the watch.
・When you make contact with children, especially with infants, they may get injured or develop a rash caused by allergy.

⚠ CAUTION
・If your watch is of the fob or pendant type, the strap or chain attached to the watch may damage your clothes, or injure the hand, neck, or other parts of your body.

●**PERIODIC CHECK**
・We suggest that you have your watch checked by ALBA DEALER every 2 or 3 years or when the battery is replaced for oil condition, battery electrolyte leakage or damage due to water or sweat. After checking the watch, adjustment and repair may be required.
・When the replacing the parts or battery, please specify " ALBA GENUINE PARTS" . If an old battery is kept in the watch for a long time, electrolyte leakage from the battery may damage the module.
・Be sure to have the gasket and push-pin replaced with new ones by the ALBA DEALER when checking the watch or the battery is replaced.

REMARKS ON THE BATTERY

● Notes on the battery
(1) Battery life
When a new normal battery is installed, this watch operates for approximately 2 years.
(2)Monitor battery
The battery in your watch may run down in less than two years after the date of purchase, as it is a monitor battery which is inserted at the factory to check the function and performance of the watch.
(3)Battery change
①For battery replacement, be sure to have the battery replaced with a new one at the retailer from whom the watch was purchased or an AUTHORIZED ALBA DEALER, and request the battery for exclusive use with the ALBA watches.
②If the old battery is left in the water for a long time, a malfunction may be caused due to battery leakage, etc. Have it replaced with a new one as soon as possible.
③Battery replacement is charged even if it runs down within the guarantee period.
④Once the case back is opened for battery replacement or other purposes, the original water resistant quality designed for the watch may deteriorate when it is closed. When you have the battery replaced with a new one, also request the water resistance test pertaining to the water resistant quality of your wtach. If your watch has 10-bar or higher water resistant quality, be sure to have such test performed on the watch every time the battery is replaced.

⚠ WARNING
1. Do not remove the battery from the watch.
2. If it is necessary to take out the battery, keep it out of the reach of children.
3. If the child swallows it, consult a doctor immediately as it will adversely affect the health of the child.

⚠ CAUTION
1. Never short-circuit, tamper with or heat the battery, or never expose it to fire as it may explode, generate and intense heat or catch fire.
2. The battery in your watch is not rechargeable. Never attempt to recharge it, as this may cause battery leakage or damage to the battery.
3. If the watch is left in a temperature below 5℃ or above 35℃ for a long time, it may cause the battery life to be shortened. Also, the liquid crystal panel may decrease in contrast, and the electroluminescent light may illuminate for a shorter period of time.

NECESSARY PROCEDURE AFTER BATTERY CHAGE (RESETTING THE IC)

After the battery is replaced with a new one, or when an abnormal display (broken digits, etc.) appears, follow the procedure below. The built-in IC will be reset and the watch will resume normal operation.
●How to reset the IC
After the battery is replaced with a new one, be sure to press button Ⓐ, Ⓑ and Ⓒ at the same time for 2 to 3 seconds. The display will become blank, and then, "12:00' oo SAT 1 JAN LON" will be displayed.
●After setting the IC
Before using the watch, adjust the following display in the order below by referring to the corresponding sections of this instruction manual.
1. Time/calendar
※Please note that if the IC is reset, all data of the MEMO function is deleted.

NOTE ON THE REPLACEMENT PARTS

(1) ALBA makes it a policy to usually keep a stock of spare parts for its watches for 7 years. In principle, your watch can be reconditioned within this period if used normally. (Replacement parts are those which are essential to maintaining the functional integrity of the watch.)
(2) The number of years that a watch is considered repairable may vary greatly depending on the condition under which it was used, and normal accuracy may not be achieved in some cases. We recommend, therefore, that you consult the retailer from whom the watch was purchased, when having them repair your watch.
(3) The case, dial, hands, glass, bracelet, or parts thereof may be replaced with substitutes if the originals are not available.