



セイコー株式会社

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このたびはアルバデジタル W521をお買いあげいただきありがとうございます。ご使用前にこの取扱説明書をよくお読みのうえ正しくご愛用ください。なお、この取扱説明書はお手元に保存し必要に応じてご覧ください。

FEATURES

This watch is equipped with the following functions.
Time/Calendar display function
The time and calendar hour/minutes, seconds, month, date and day of the week of your area are displayed.
Automatic calendar function.
The calendar adjusts automatically for odd and even months except February of leap years.
Alarm function
The alarm can be set by ringing daily on a 24-hour basis. The hourly time signal is also provided. The alarm sound can be tested by keeping the button pressed.
Memo function
A 3-channel memo function is provided. Up to 40 characters can be entered in each channel.
World time function
The time of 24 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.

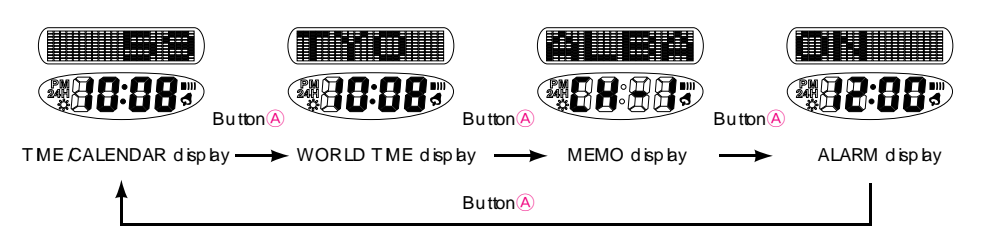
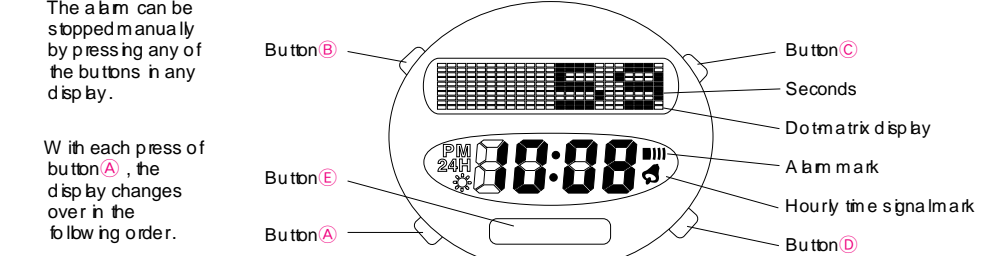
この時計は、24時間制の時刻表示、自動カレンダー機能、アラーム機能、メモ機能、世界時間機能などを備えています。
時刻表示機能
時刻、曜日、月、日、曜日、年、時、分、秒、およびあなたの地域の月曜日から土曜日までのカレンダーを自動的に表示します。
アラーム機能
アラームは毎日24時間制で設定でき、毎時の音信号も提供されます。アラーム音はボタンを押して確認できます。
メモ機能
3チャンネルのメモ機能があり、各チャンネルに最大40文字の入力が可能です。
世界時間機能
世界中の24都市の時刻を、夏時間(サマータイム)も表示できます。
* 夏時間機能を使用する際は、その都市に夏時間適用があるかどうかを確認してください。

SPECIFICATIONS

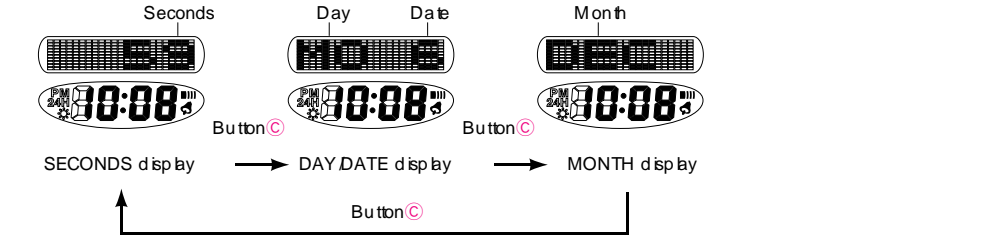
- 1. Frequency of crystal oscillator..... 32,768Hz
2. Loss/gain (monthly rate)..... Less than 30 seconds when the watch is worn on the wrist at temperature between 5 and 35 °C (-5 to +50 °F for the display)
3. Operating temperature range..... -5 to +50 °C (-40 to +120 °F for the display)
4. Display medium..... Monochrome Liquid Crystal (FEM Transflective Mode)
5. Battery..... Lithium battery: SB-T14, 1 piece
6. Battery life..... Approx. 3 years
7. Illuminating light..... Electro luminescent panel
8. C (Integrated Circuit)..... Oscillator, frequency divider, driving and electro luminescent panel converter driving circuits (CMOS-LSI), 1 piece

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

DISPLAY AND BUTTON OPERATION



The illustration for the MEMO display above shows the example display when "ALBA" has been entered. By pressing button A pressed for 2 to 3 seconds in each display, the function to set the digits in the respective display is activated. Pressing button A again while in this setting function will return the display to normal. By pressing button E in the TME CALENDAR, WORLD TIME or ALARM display, the light illuminates the display. With each press of button C in the TME CALENDAR display, the dot matrix display changes over in the following order.



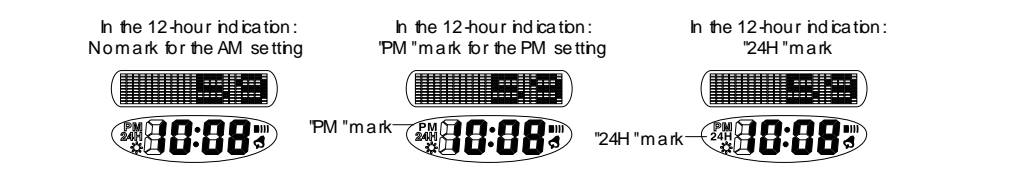
Demonstration function
By pressing button D in the TME CALENDAR display, the demonstration function is activated, and "VIVID G" scrolls in the dot matrix display. Pressing button D again will return the display to TME CALENDAR.
* Pressing button C to change over the dot matrix display to another or pressing button A to show the WORLD TIME display will deactivate the demonstration function.

HOW TO SET THE TIME/CALENDAR

When setting the time/calendar of your area, select the city representing your area. Then, the times of the cities throughout the world, which you can see in the WORLD TIME display, will be set accordingly.
Press button A to show the TME CALENDAR display.
Press button B for 2 seconds to show the TME CALENDAR SETTING display. The second digits start flashing.
If the watch is left untouched with the digits flashing, it will automatically return to the TME CALENDAR display in 1 to 2 minutes.
Press button E repeatedly to select the digits to be adjusted (flashing). With each press of button E, selection of the digits to be adjusted (flashing) is made in the following order.
The month is displayed in numerical in the twodigit display.
12-24-hour indication (both the hour and minute digits flash).

Press button C or D to set the flashing digits. One digit is increased or decreased with each press of button C or D, respectively. The digits move quickly if the respective buttons are kept pressed. (To set the seconds, refer to "Seconds setting")
Press button A or B to return to the TME CALENDAR display.
Select the city representing your area. For example, if you use the watch in Japan, select "TYO (Tokyo)". For details of the cities covered in the WORLD TIME display and their abbreviations, refer to "TIME DIFFERENCES".

Press button C or D to select the character you wish to enter. Press button E to enter the character you wish to be selected. After the character is entered, the cursor moves to the position next to the character you have entered. After you have entered all the characters for the memo, press button A or B to return to the MEMO display.
* If a wrong character has been entered, press button A or B to return to the MEMO display, and repeat the procedure from step above. After step press button E repeatedly to move the cursor on the wrong character, and proceed with the entry procedure.



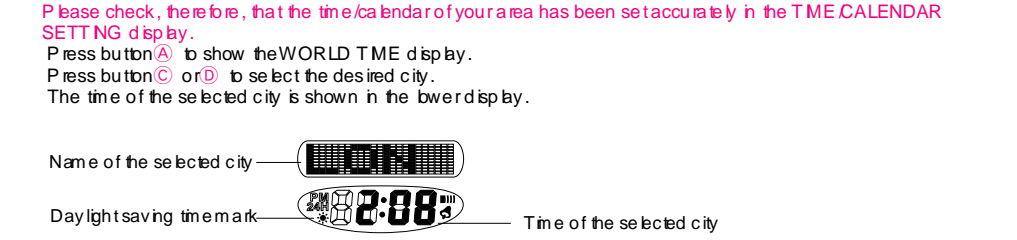
Seconds setting
While the second digits are flashing, press button D in accordance with a time signal. The seconds are reset to "00". When the seconds count any number between "30" and "59" and button D is pressed, one minute is added, and the seconds are immediately reset to "00".

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



HOW TO USE THE WORLD TIME FUNCTION

The time of 24 cities in different time zones throughout the world can be displayed. The daylight saving time (summer time) can be set for each city. The name of the selected city is shown in the dot matrix display, while the current time of the city is shown in the twodigit display.
* The times of the 24 cities is set on the basis of the time of your area you have set in the TME CALENDAR display. Please check, therefore, that the time/calendar of your area has been set accurately in the TME CALENDAR SETTING display.
Press button A to show the WORLD TIME display.
Press button C or D to select the desired city.
The time of the selected city is shown in the twodigit display.



To set the daylight saving time (summer time)
The daylight saving time can be set for each city. Press button A to show the WORLD TIME display. Press button C or D to select the desired city. Press button B for 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 B again for 2 to 3 seconds.
* 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.
* If the daylight saving time is set for the city representing your area in the WORLD TIME display, the time in the TME CALENDAR display will also be advanced by one hour to show the daylight saving time.

TIME DIFFERENCES

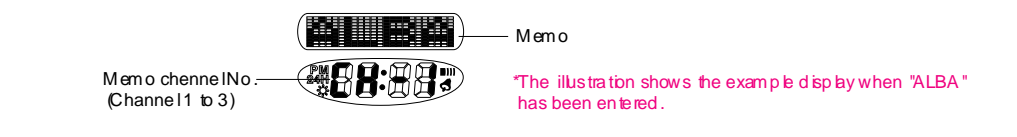
The abbreviated names of the 24 cities and their time differences from the Greenwich Mean Time are listed in the table below.

Table with 4 columns: Abbreviated city name, Name of city or area, Time difference from GMT, Use of daylight saving time. Rows include LON, PAR, ROM, BER, IST, etc.

*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.

HOW TO USE THE MEMO FUNCTION

A 3-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 in each channel.



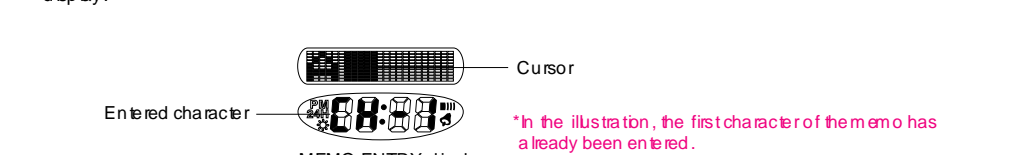
Press button A to show the MEMO display. Press button C to select the desired memo channel. With each press of button C, selection of the memo channel is made one by one in the following order.



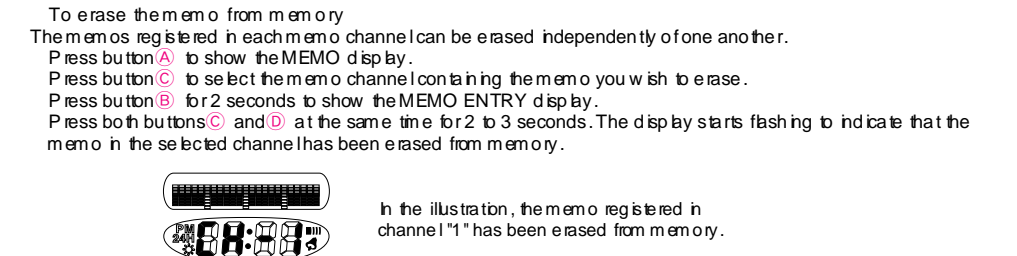
1 second after the memo channel is selected, the scrolling memo registered in the selected channel is displayed.

To stop and restart the scrolling of the memo
With each press of button D in each memo channel, the memo registered in the channel stops and restarts scrolling repeatedly.

To enter the memo
Press button A to show the MEMO display. Press button C to select one of the three memo channels. With each press of button C, the memo channel changes over one by one. Press button B for 2 seconds to show the MEMO ENTRY display. The flashing cursor appears in the dot matrix display.



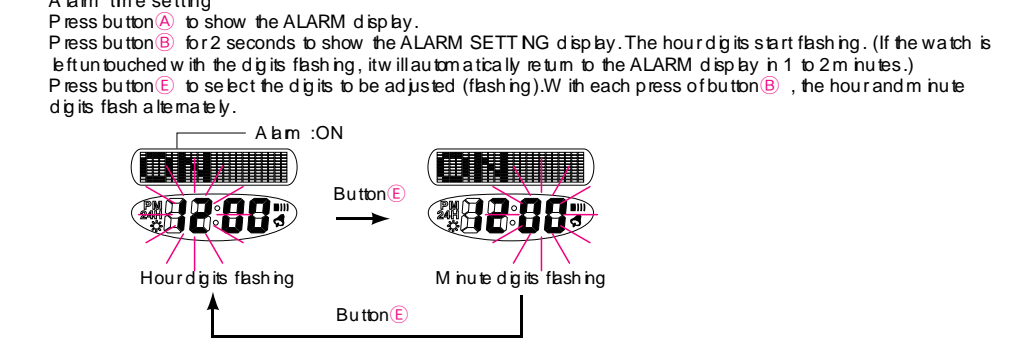
To erase the memo from memory
The memos registered in each memo channel can be erased independently of one another. Press button A to show the MEMO display. Press button C to select the memo channel containing the memo you wish to erase. Press button B for 2 seconds to show the MEMO ENTRY display. Press both buttons C and D at the same time for 2 to 3 seconds. The display starts flashing to indicate that the memo in the selected channel has been erased from memory.



The following characters can be used to enter a 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 ALARM FUNCTION

The alarm can be set by ringing daily on a 24-hour basis. The hourly time signal can also be set to ring every hour on the hour.

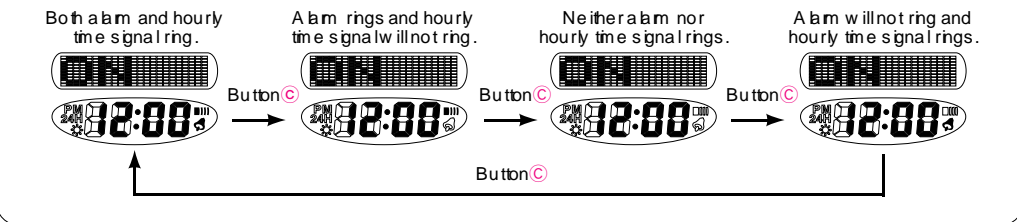


Press button C or D to set the flashing digits. One digit is increased or decreased with each press of button C or D, respectively. The digits move quickly if the respective buttons are kept pressed.
* Even if the alarm mark is not displayed, it will automatically appear as the alarm time is set.
When setting the hour/digit in the 12-hour indication, check that AM/PM is properly set.
After all the adjustments are completed, press button A or B to return to the ALARM display.

To stop the alarm
At the designated time, the alarm rings for 20 seconds and stops as the display flashes. To stop it manually, press button A, B, C, D, or E.
* The alarm can be stopped manually in any display by pressing a button.

Alarm set
The alarm can be tested by keeping button C pressed in the ALARM display. The alarm sounds while the button is kept pressed.
* The above procedure will also engage or disengage the alarm and hourly time signal, as the respective marks appear or disappear accordingly. Refer to "Engagement/Disengagement of the alarm and hourly time signal" to engage/disengage them as required.

Engagement/Disengagement of the alarm and hourly time signal
With each press of button C in the ALARM display, the engagement and disengagement of the alarm and hourly time signal are made as follows, as the alarm and hourly time signal marks appear and disappear accordingly.



TO PRESERVE QUALITY OF YOUR WATCH

CAUTION CARE OF YOUR WATCH METAL BRACELET LEATHER BAND. Includes instructions on avoiding skin contact, cleaning, and moisture protection.

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 semi-transparent urethane band which is easily discolored, special care should be taken to keep it clean. Depending on the condition of use, the semi-transparent 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.

CAUTION RASH AND ALLERGY
Adjust the bracelet band so that there will be a little clearance between the bracelet 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 leather.
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.

PLACES TO KEEP YOUR WATCH. Includes instructions on avoiding heat, moisture, chemicals, and magnetic fields.

CAUTION WATER RESISTANCE. Includes a table showing water resistance levels for different activities like showering, swimming, etc.

ABOUT BATHING
Your watch can be worn 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 waterproofing.
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.

PRECAUTIONS ON WEARING YOUR WATCH
Take utmost care in the following cases:
When clasp and unclasp 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.

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 metal.
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.

NOTE ON THE ELECTROLUMINESCENT PANEL (FOR ILLUMINATING LIGHT). Includes instructions on battery replacement and handling the watch.

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. If the alarm is used for more than 1 second a day and/or the illuminating light for more than once a day, the battery life may be less than the specified period.
(2) Monitor battery
The battery in your watch may run down in less than 2 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
When replacing the battery, please specify the ALBA BATTERY at the retailer from whom your watch was purchased.
If the old battery is left in the watch 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.
Battery replacement is charged even if it runs down within the guarantee period.
Once the case back is opened for battery replacement for 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 watch. 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.

NECESSARY PROCEDURE AFTER THE BATTERY CHANGE (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.

CAUTION WATER RESISTANCE. Includes a table showing water resistance levels for different activities like showering, swimming, etc.

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 to have the liquid crystal panel replaced with a new one.

NOTES 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.

NOTE ON VIVIDGI

"VIVIDGI" is a newly developed liquid crystal panel that uses various color combinations of segments and background and lights up in various manners, providing wide varieties of displays.

Features
"VIVIDGI" is excellent in transmitting and reflecting light, giving a vivid and clear display.
The segments for digits and the entire background of the display can be illuminated in various colors.
Either the whole display or only the segments are illuminated depending on mode.
* Above features of "VIVIDGI" are embodied differently from model to model.