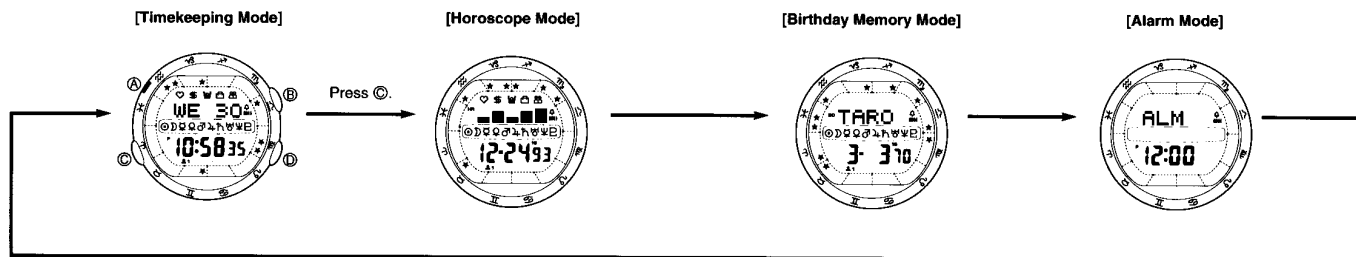


OPERATION CHART: MODULE QW-1014

GENERAL GUIDE

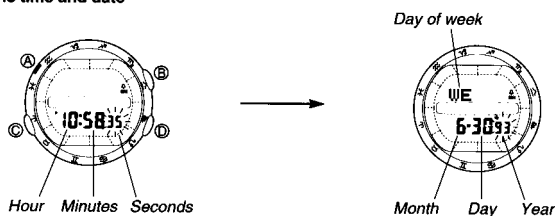
- Press **C** to change from mode to mode.



TIMEKEEPING FUNCTIONS

This part of the manual tells you how to set the time and date.

To set the time and date



- Press **A** while in the Timekeeping Mode. The seconds digits flash on the display because they are selected.
- Press **C** to change the selection in the following sequence.

Seconds

Hour

Minutes

Year

Day of week

Day

Month
- The year and month are not displayed in the normal Timekeeping Mode display. They appear for setting purposes only.
- While the seconds digits are selected (flashing), press **D** to reset the seconds to "00". If you press **D** while the seconds count is in the range of 30 to 59, the seconds are reset to "00" and 1 is added to the minutes. If the seconds count is in the range of 00 to 29, the minutes count is unchanged.
- While any other digits (besides seconds) are selected (flashing), press **D** to increase the number. While the day of the week is selected, pressing **D** advances to the next day. Holding down **D** changes the current selection at high speed.
- The date can be set within the range of January 1, 1900 to December 31, 2099.
- While the seconds, hour or minutes is selected, press **B** to switch between the 12-hour and 24-hour formats.
- If you do not operate any button for a few minutes while a selection is flashing, the flashing stops and the watch goes back to the Timekeeping Mode automatically.
- After you set the time, format, and date, press **A** twice to return to the Timekeeping Mode.

Important

- Whenever you change the year or date setting, the watch needs about 80 seconds to calculate certain information. During this calculation, the patterns in the graphic display move at high speed. Do not try to perform any button operation while this calculation (indicated in the graphic display) is in progress.
- Whenever you adjust the current time between standard time and daylight saving (summer) time, be sure to also change the setting for the Greenwich Mean Time differential (see "To set current location data").

HOROSCOPE FUNCTIONS

The horoscope function of this watch automatically calculates horoscope data based on the positional interrelationships of celestial bodies on the date that the horoscope is being checked for, and on the birth date of the performer whose horoscope is being checked. Your horoscope for the current day, lucky number, color, and signs for the current day, horary fortune¹⁾, and horoscope for any day you specify can be calculated and shown on the display of the watch. In addition, you can display the aspect for each horoscope item, celestial body positions and the ascendant²⁾ for a person's birth date, and celestial body positions for any specific day. This data can be used to prepare horoscopes or for other astrological activities.

¹⁾ "Horary fortune" refers to the fortune for a specific point in time.

²⁾ "Ascendant" means the section of the zodiac that rises in the east at the time of a particular event, such as a person's birth.

Important

- Before the watch can determine the positions of celestial bodies, you must first input data about your current location and personal data for the person whose horoscope data is being checked.

- The horoscope information produced by this watch is intended for informational purposes only. The manufacturer makes no claims that this watch possesses any ability to predict the outcome of any future event.

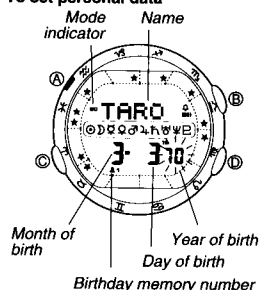
Setting data

Before the watch can determine the positions of celestial bodies, you must first input current location data (latitude, longitude, GMT differential) and personal data (date and time of birth, latitude and longitude of birth location, GMT differential of birth location) for the person whose horoscope data is being checked. See the Time Zone Chart of this manual for help with determining personal data.

The watch's birthday memory can store up to four sets of personal data for use with the Horoscope Function. You can use one memory for your data, and the other three for friends or family members.

- Whenever you change the current location data or personal data, the watch needs about 80 seconds to calculate certain information. During this calculation, the patterns in the graphic display move at high speed. Do not try to perform any button operation while this calculation (indicated in the graphic display) is in progress.

To set personal data



- Use **C** to enter the Birthday Memory Mode.
- Press **B** to select the birthday memory (from 1 to 4) you want to input data into. The currently selected memory is indicated on the display.
- Press **A** and the year digits flash on the display because they are selected.

- Press **C** to change the selection in the following sequence.

Year

Month

Day

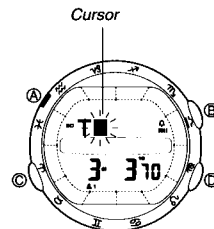
Name

Minutes

Hour

- While "Name" is selected, the cursor appears as ■ on the display.

- While any of the digits (besides Name) are selected (flashing), press **D** to increase the number. Holding down **D** changes the selection at high speed.
- If you do not know the time of birth, input "--" for the hour. To input "--", press **D** to advance the hour to the setting just after P11 (23:00). When you set "--" for the hour, the time appears as "--:--" on the display.



- After you finish setting the date and time, press **C** to advance to the name setting.
- Press **D** to change the letter at the cursor position in the following sequence.

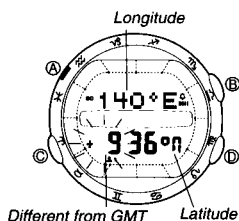
(Space)

A to Z

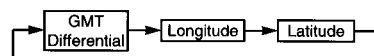
0 to 9

.(Point)

- Holding down **D** changes the character at high speed.
- When the character you want is at the cursor position, press **B** to move the cursor to the right.
- Repeat steps 7 and 8 to input the name.
- The name input can be up to five characters long.



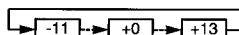
- To complete the input procedure, press **(A)** to advance to setting of the birth location. When you do, the GMT differential data appears on the display flashing because it is *selected*.
- Press **(C)** to change the selection in the following sequence.



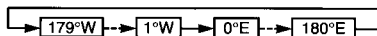
Different from GMT Latitude

- While any of the above data items is selected, press **(D)** to increase the value. Holding down **(D)** changes the current selection at high speed.
- The following are the ranges for each data item.

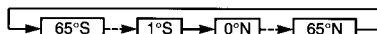
GMT Differential:



Longitude:



Latitude:



- After you set the birth location data, press **(A)** to return to the Birthday Memory Mode.
- If you do not operate any button for a few minutes while a selection is flashing, the flashing stops and the watch goes back to the Birthday Memory Mode automatically.

To set current location data

- Use **(C)** to enter the Timekeeping Mode.
- Press **(A)** twice to show the display for input of current location data. When you do, the GMT differential data appears on the display flashing because it is *selected*.
- Use the same procedures as described in steps 11 and 12 under "To set personal data" to input the latitude, longitude, and GMT differential.
- If you do not operate any button for a few minutes while a selection is flashing, the flashing stops and the watch goes back to the Timekeeping Mode automatically.
- After you set the current location data, press **(A)** to return to the Timekeeping Mode.

USING THE HOROSCOPE FUNCTION

1. To select a birthday memory

- Use **(C)** to enter the Birthday Memory Mode.
 - Use **(B)** to select the birthday memory for the person whose horoscope you want to check.
- The following procedure will be performed using the data in the birthday memory you select here.

2. About the horoscope function displays

While in the Timekeeping Mode, each press of **(D)** changes the display as shown below.

[Normal Display]



[Current Date's Horoscope Display]

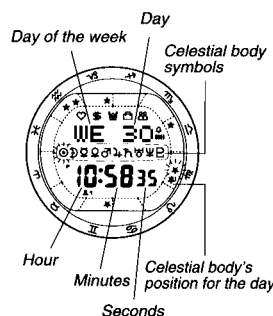


[Lucky Number, Color, Signs Display]



Normal Display

The Normal Display shows the positions of 10 celestial bodies for the current date, based on the Timekeeping Mode time and current location data set by you. The symbols that identify each celestial body (see following table for the meanings of the symbols) are located across the center of the display. These symbols flash, one at a time, to indicate which symbol is currently selected. While a symbol is selected, a ★ indicator also flashes to show the day's position for the corresponding celestial body. After a few seconds, the flashing moves to the next symbol to the right. In the example display shown here, the sun is located at Virgo.



Symbols and their meanings

Celestial Bodies

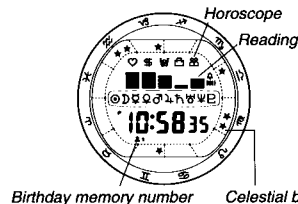
	Sun		Moon		Mercury		Venus		Mars
	Jupiter		Saturn		Uranus		Neptune		Pluto

Signs

	Aries		Taurus		Gemini		Cancer		Leo		Virgo
	Libra		Scorpio		Sagittarius		Capricorn		Aquarius		Pisces

Current Date's Horoscope Display

Press **(D)** to display horoscope information for the current date. The watch uses the angular differential between the current date's lunar position and the positions of celestial bodies at the time of birth (primary aspect), and displays the results on a 5-level graphic display. When the primary aspect is conjunction (0 to 10 degrees) or opposition (170 to 180 degrees), the angular differential between the current date's solar position and the positions of celestial bodies at the time of birth (secondary aspect) is used. Whenever the secondary aspect is used, the symbols ◇ (Excellent) and ◆ (Terrible) appear to indicate luck in applicable categories.

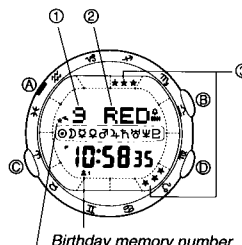


- LOVE
- MONEY
- HEALTH
- WORK
- RELATIONS

	Primary Aspect					Secondary Aspect	
Reading	All black	Four segments black	Three segments black	Two segments black	One segment black		
Meaning	Very Good	Good	Normal	Bad	Very Bad	Excellent	Terrible

Lucky Number, Color, Signs Display

While in the Timekeeping Mode, press **(D)** twice to display the current date's luck number, color, and zodiacal signs.



Birthday memory number
Lucky number, color, sign display indicator

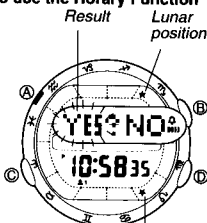
- Lucky number: 0 to 9
- Luck color: RED (red), GRN (green), SKY (sky blue), WHT (white or silver), ORG (orange), GRY (gray), PNK (pink), BLK (black), BLU (blue), BRN (brown), YEL (yellow or gold), VIO (violet)
- Compatible zodiacal signs: ★★ marks appear to indicate the two luck zodiacal signs for the day.

3. About the Horary Function

Whenever you press **(B)** while in the Timekeeping Mode, the Horary Function shows you up-to-the-minute horoscope information. If you are contemplating a trip, for example, press **(B)** and the watch uses the angular differential between the lunar position at that time and the positions of celestial bodies at the time of birth to plot a horoscope, and then shows the message "YES" (you should go), "NO" (you shouldn't go), or "?" (undecided) flashing on the display.

- When "?" flashes wait a few hours and try again.
- You should use the Horary Function to check the horoscope for one event at a time.

To use the Horary Function



Lunar position at date of birth

- After you view the results of the Horary Function operation, press **(D)** to return to the Normal Timekeeping Mode.

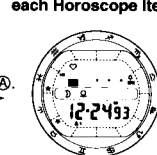
4. To specify a date (to check its horoscope)

You can select any date that in the range from 1900 to 2099. When you do, the display shows horoscope information for each horoscope item (love, money, health, work, relations) for that date. It also shows the aspect for each horoscope item, as well as the positions of celestial bodies. While in the Horoscope Mode, each press of **(A)** changes the display as shown below.

[Normal Display]



[Aspect Display for each Horoscope Item]

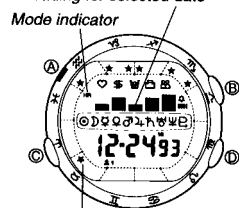


[Celestial Body position Display]



Normal Display

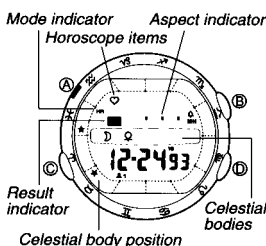
Reading for selected date



Celestial body position for selected date

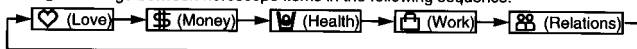
- Whenever you change the date setting, the watch needs about 80 seconds to calculate certain information. During this calculation, the patterns in the graphic display move at high speed.
- Note that you can select only a date that is within the range of 1900 to 2099.
- The ★ marks the celestial body positions for the date that you select.
- See "5. To display detailed celestial body information" for the procedure to use to display the zodiac sign for each celestial body and other information.

To display the aspect for each horoscope item



- While in the Horoscope Mode, used ⓑ or ⓓ to select the date whose horoscope information you want to check.
- Press ⓐ to show the Aspect Display.
- At this time, the display shows your horoscope for the love horoscope item, along with the two heavenly bodies that form your horoscope. The display also shows the angular differences of the heavenly bodies.

- Use ⓓ to change between horoscope items in the following sequence.

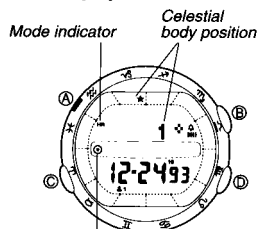


- If the result indicator shows ◇ (Excellent) or ◆ (Terrible), it means that the celestial bodies are in conjunction or opposition. Note that only the primary aspect is shown on the display, even if the secondary aspect is used to prepare the horoscope.

Result Indicator	Meaning	Aspect Indicator	Aspect	Angle Range
All black	Very Good	△	Trine	110° ~ 130°
Four segments black	Good	✱	Sextile	50° ~ 70°
Three segments black	Normal	•	No Aspect	Other
Two segments black	Bad	∧	Enconjunct	140° ~ 160°
One segment black	Very Bad	□	Square	80° ~ 100°
◇ or ◆	Excellent or Terrible	♂	Conjunction	0° ~ 10°
		♂	Opposition	170° ~ 180°

- After you are finished, press ⓐ twice to return to the Horoscope Mode.
- If you do not operate any button for a few minutes while the aspect display is shown, the watch goes back to the Horoscope Mode automatically.

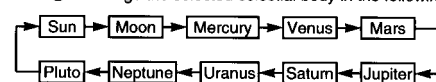
5. To display detailed celestial body information



Celestial body symbol

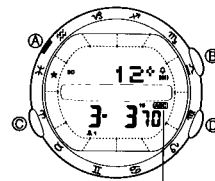
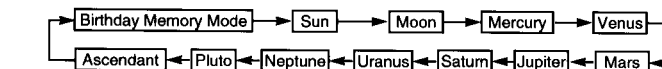
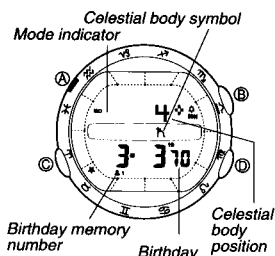
- While in the Horoscope Mode, used ⓑ or ⓓ to select the date whose celestial body positions you want to check.
- Press ⓐ twice to show the Celestial Body Position Display.
- The example display shows the date December 24, 1993, with the sun's celestial body symbol selected, a ★ mark at the Capricorn position, and an indication of 1 degree. This means that on December 24, 1993 the sun is at 1 degree in the house of Capricorn.

- Use ⓓ to change the selected celestial body in the following sequence.



- After you are finished, press ⓐ to return to the Horoscope Mode.

6. How to read the birth date celestial body position and ascendant display



Ascendant indicator

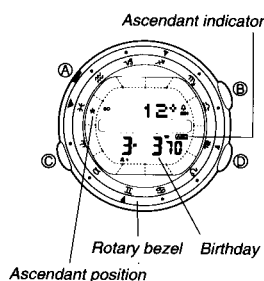
- If you do not operate any button for a few minutes while checking celestial positions and the ascendant in the above procedure, the watch goes back to the Birthday Memory Mode automatically.

Note

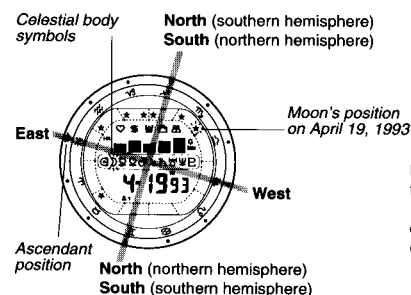
If "---" is the birth time stored in the birthday memory you are using, this operation shows the celestial body positions at noon on the applicable date. The ascendant position used in this case is the same as the solar position for that date.

7. Using the rotary bezel

The rotary bezel makes it easy for you to find the lucky direction for any date, based on its ascendant and the lunar position.



- While in the Birthday Memory Mode, press ⓓ to display the celestial body positions for the birth date in the currently selected birthday memory.
- Use ⓓ to display the ascendant.
- Rotate the bezel until its ▼ mark is aligned with the ★ at the ascendant position.
- Use ⓑ to change to the Horoscope Mode.
- Use ⓑ or ⓓ to display the date whose lucky direction you want to check.
- Use one of the following two procedures to display the moon position for the date you specified.
- The celestial body symbols in the center of the display flash one at a time to indicate which symbol is selected. When the moon symbol is flashing, the flashing ★ mark on the display indicate the moon's position.
- Press ⓐ twice to display the celestial body position display (see "5. To display detailed celestial body information"). Use ⓓ to display the moon's data. At this time, the ★ mark on the display indicate the moon's position.
- Now if you point the bezel's ▼ mark to the east the moon's position (indicated by ★) is the lucky direction.
- Note that the north and south are reversed, depending upon whether your current location is in the northern hemisphere or southern hemisphere.

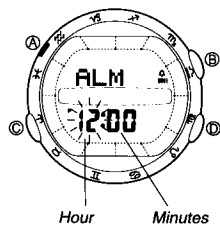


Example: The moon's position viewing from the ascendant position on April 19, 1993 is southwest, and that is the corresponding person's lucky direction (in the northern hemisphere).

ALARM FUNCTIONS

When the Daily Alarm is switched on, the alarm sounds for 20 seconds at the preset time each day. Press any button to stop the alarm after it starts to sound.
When the Hourly Time Signal is switched on, the watch beeps every hour on the hour.

To set the alarm time



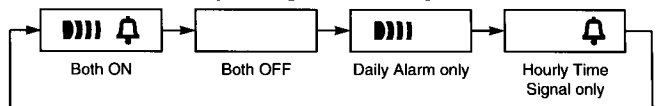
1. Use $\odot$ to enter the Alarm Mode.
2. Press $\odot$ while in the Alarm Mode and the hour digits start to flash on the display. The hour digits flash because they are *selected*.
3. Press $\odot$ to change the selection in the following sequence.
Hour ← Minutes
4. Press $\odot$ to increase the selected digits. Holding down $\odot$ increases the selection at high speed.

- Alarm time setting uses the time format (12-hour or 24-hour) that you select when setting the time in the Timekeeping Mode.
- When setting the alarm time you using the 12-hour format, take care of set the time correctly as morning or afternoon.
- 5. After you set the alarm time, press $\odot$ to return to the Alarm Mode. At this time the Daily Alarm is switched on automatically.
- If you do not operate any button for a few minutes while a selection is flashing, the flashing stops and the watch goes back to the initial Alarm Mode display automatically.

To switch the Daily Alarm and Hourly Time Signal on and off

Press $\odot$ while in the Alarm Mode to change the status of the Daily Alarm and Hourly Time Signal in the following sequence.

[Alarm ON indicator/Hourly Time Signal ON indicator]



To test the alarm

Hold down $\odot$ while in the Alarm Mode to sound the alarm.

TIME ZONE CHART

North America

NO.	CITY	THE DIFFERENCE FROM GMT FOR STANDARD TIME	LONGITUDE	LATITUDE
1.	PAGO PAGO	-11	171°W	14°N
2.	HONOLULU	-10	158°W	21°N
3.	ANCHORAGE	-9	150°W	61°N
4.	NOME	-9	165°W	65°N
5.	LOS ANGELES	-8	118°W	34°N
6.	SAN FRANCISCO	-8	122°W	38°N
7.	LAS VEGAS	-8	115°W	36°N
8.	VANCOUVER	-8	123°W	49°N
9.	SEATTLE	-8	122°W	48°N
10.	DENVER	-7	105°W	40°N
11.	ES PASO	-7	106°W	32°N
12.	EDMONTON	-7	114°W	54°N
13.	CHICAGO	-6	88°W	42°N
14.	HOUSTON	-6	95°W	30°N

NO.	CITY	THE DIFFERENCE FROM GMT FOR STANDARD TIME	LONGITUDE	LATITUDE
15.	DALLAS	-6	97°W	33°N
16.	NEW ORLEANS	-6	90°W	30°N
17.	WINNIPEG	-6	97°W	50°N
18.	MEXICO CITY	-6	99°W	19°N
19.	NEW YORK	-5	74°W	41°N
20.	MONTREAL	-5	74°W	45°N
21.	DETROIT	-5	83°W	42°N
22.	MIAMI	-5	80°W	26°N
23.	BOSTON	-5	71°W	42°N

Add 1 hour to the difference time if DST (Daylight Saving Time) is used. (EX. if difference of standard time is +2, that of DST is +3.)

Central and South America

NO.	CITY	THE DIFFERENCE FROM GMT FOR STANDARD TIME	LONGITUDE	LATITUDE
1.	PANAMA CITY	-5	80°W	9°N
2.	LIMA	-5	77°W	12°S
3.	BOGOTA	-5	74°W	5°N
4.	CARACAS	-4	67°W	10°N
5.	LA PAZ	-4	68°W	17°S
6.	SANTIAGO	-4	71°W	33°S
7.	PORT OF SPAIN	-4	61°W	11°N
8.	RIO DE JANEIRO	-3	43°W	23°S
9.	SAO PAULO	-3	47°W	24°S
10.	BRASILIA	-3	48°W	16°S
11.	BUENOS AIRES	-3	58°W	35°S
12.	MONTEVIDEO	-3	56°W	35°S

NO.	CITY	THE DIFFERENCE FROM GMT FOR STANDARD TIME	LONGITUDE	LATITUDE
-----	------	---	-----------	----------

Add 1 hour to the difference time if DST (Daylight Saving Time) is used. (EX. if difference of standard time is +2, that of DST is +3.)

Europe

NO.	CITY	THE DIFFERENCE FROM GMT FOR STANDARD TIME	LONGITUDE	LATITUDE
1.	AZORES	-1	25°W	38°N
2.	LONDON	+0	0°E	51°N
3.	DUBLIN	+0	6°W	53°N
4.	USBN	+0	9°W	39°N
5.	CASABLANCA	+0	8°W	34°N
6.	PARIS	+1	2°E	49°N
7.	MILAN	+1	9°E	45°W
8.	ROME	+1	12°E	42°N
9.	MADRID	+1	4°W	40°N
10.	AMSTERDAM	+1	5°E	52°N
11.	HAMBURG	+1	10°E	54°N
12.	FRANKFURT	+1	9°E	50°N
13.	VIENNA	+1	16°E	48°N
14.	STOCKHOLM	+1	18°E	59°N

NO.	CITY	THE DIFFERENCE FROM GMT FOR STANDARD TIME	LONGITUDE	LATITUDE
15.	ATHENS	+2	24°E	38°N
16.	HELSINKI	+2	25°E	60°N
17.	ISTANBUL	+2	29°E	41°N

Add 1 hour to the difference time if DST (Daylight Saving Time) is used. (EX. if difference of standard time is +2, that of DST is +3.)

Africa and Middle East

NO.	CITY	THE DIFFERENCE FROM GMT FOR STANDARD TIME	LONGITUDE	LATITUDE
1.	BEIRUT	+2	35°E	34°N
2.	DAMASCUS	+2	36°E	33°N
3.	CAPE TOWN	+2	18°E	34°S
4.	KUWAIT	+3	48°E	29°N
5.	RIYADH	+3	47°E	25°N
6.	JEDDAH	+3	39°E	21°N
7.	ADEN	+3	45°E	13°N
8.	ADDIS ABABA	+3	39°E	9°N
9.	NAIROBI	+3	37°E	1°S
10.	DUBAI	+4	55°E	25°N
11.	ABUDHABI	+4	54°E	24°N
12.	MUSCAT	+4	58°E	23°N
13.	KARACHI	+5	67°E	25°N
14.	PRAIA	-1	23°W	15°N

NO.	CITY	THE DIFFERENCE FROM GMT FOR STANDARD TIME	LONGITUDE	LATITUDE
15.	DAKAR	+0	17°W	15°N
16.	ABIDJAN	+0	4°W	5°N

Add 1 hour to the difference time if DST (Daylight Saving Time) is used. (EX. if difference of standard time is +2, that of DST is +3.)

Asia and South pacific

NO.	CITY	THE DIFFERENCE FROM GMT FOR STANDARD TIME	LONGITUDE	LATITUDE
1.	DHAKA	+6	90°E	24°N
2.	BANGKOK	+7	100°E	14°N
3.	JAKARTA	+7	107°E	6°S
4.	PHNOM-PENH	+7	105°E	12°N
5.	HANOI	+7	106°E	21°N
6.	VIENTIANE	+7	103°E	18°N
7.	HONG KONG	+8	114°E	22°N
8.	SINGAPORE	+8	104°E	1°N
9.	KUALA LUMPUR	+8	102°E	3°N
10.	BEIJING	+8	116°E	40°N
11.	TAIPEI	+8	122°E	25°N
12.	MANILA	+8	121°E	15°N
13.	PERTH	+8	116°E	32°N
14.	ULAN BATOR	+8	107°E	48°N
15.	TOKYO	+9	140°E	36°N

NO.	CITY	THE DIFFERENCE FROM GMT FOR STANDARD TIME	LONGITUDE	LATITUDE
16.	SEOUL	+9	127°E	38°N
17.	PYONGYANG	+9	126°E	39°N
18.	SYDNEY	+10	151°E	34°S
19.	MELBOURNE	+10	145°E	38°S
20.	GUAM	+10	145°E	13°N
21.	NOUMEA	+11	166°E	22°S
22.	PORT VILA	+11	168°E	18°S
23.	WELLINGTON	+12	175°E	41°S
24.	CHRISTCHURCH	+12	173°E	43°S
25.	SUVA	+12	178°E	18°S
26.	NAURU ISLAND	+12	166°E	1°S
27.	PAPEETE	-10	150°W	18°S

Add 1 hour to the difference time if DST (Daylight Saving Time) is used. (EX. if difference of standard time is +2, that of DST is +3.)