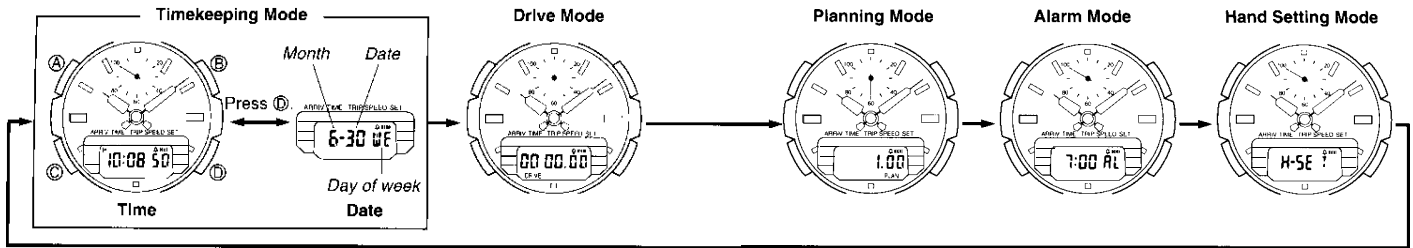


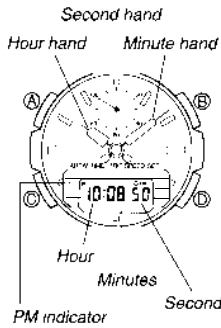
OPERATION CHART: MODULE QW-750

GENERAL GUIDE

- Press **C** to change from mode to mode.
- After you perform any button operation in the Planning Mode or Alarm Mode, pressing **C** returns directly to the Timekeeping Mode.



TIMEKEEPING MODE

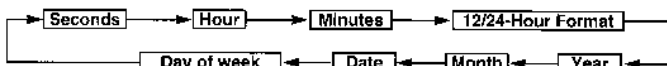


- Note that you cannot set the digital time and date while a Drive Mode operation (measurement) is in progress. To stop a Drive Mode operation, enter the Drive Mode and hold down **D** until the display clears to 00 00 00.
- In the Timekeeping Mode, press **D** to switch between the time and date displays.

To set the digital time and date

1. Hold down **A** while in the Timekeeping Mode until the seconds digits start to flash on the display. The seconds flash because they are selected.

2. Press **C** to change the selection in the following sequences.



3. 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.
4. While any other digits (besides seconds) are selected (flashing), press **D** to increase the number. While the 12/24-hour setting is selected, press **D** to switch between the two formats. 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.
5. After you set the time, format, and date, press **A** to return to the Timekeeping Mode.

- When you use the above procedure to set the time on the digital display, the hands of the analog timepiece normally adjust according to your setting. If, for any reason, the digital time does not match the analog time, use the procedure described under Hand Setting Mode to match the analog setting with the digital display. If the digital time and analog time settings do not match, other functions of the watch will not operate correctly.
- The date can be set within the range of January 1, 1990 to December 31, 2029.
- 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.

DRIVE MODE

The Drive Mode makes it possible to calculate the estimated time of arrival (ETA) at a specific location.



- The ETA calculation is performed using the current time kept in the Timekeeping Mode. Make sure that the current time setting is correct before using Drive Mode functions.
- In the Drive Mode, the second hand of the watch indicates speed, while the hour and minute hands indicate current time.

About the Drive Mode . . .

The Drive Mode makes it possible to perform drive simulations based on distance and speed data that you input. Note that you input distance and speed data in the Planning Mode. The elapsed time of your drive is automatically kept internally by the watch, and it is not shown on the display.

• ETA and distance

Input data on the distance to your destination and your average speed (in kilometers per hour) and the Drive Mode calculates your ETA based on the input data. Also, the Drive Mode calculates the distance you covered based on the input speed and the elapsed time (measured internally). You can even set up to five "checkpoints" at which ETA and distance are automatically calculated during your drive.

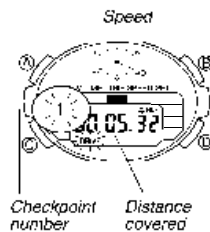
• Distance

Input data on your speed, and the Drive Mode calculates the distance you covered based on the input speed and the elapsed time (measured internally).

CAUTION!

- Always be sure that you obey applicable speed limits and other traffic regulations while driving.
- Never try to perform Drive Mode or other functions while operating a motor vehicle. Be sure to devote your entire attention to operating the vehicle.
- The trip data shown on the Drive Mode displays is calculated in accordance with the following relationship: Speed - Distance - Time. This means that actual times and speeds will be affected by stops for traffic signals, rest periods, etc.

Using the Drive Mode

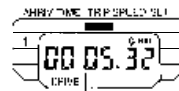


There are three types of calculations you can perform in the Drive Mode:

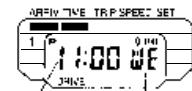
- Calculation of the ETA and distance covered without checkpoints
- Calculation of the ETA and distance covered with checkpoints
- Calculation of distance covered

Important!

- In the Drive Mode, the second hand shows the speed data that you input in the Planning Mode. For details on inputting and clearing distance and speed data.
- While a Drive Mode calculation is in progress, the checkpoint number that identifies the distance and speed data being applied flashes on the display. For details on checkpoints.
- If the actual speed you are driving ends up being faster or slower than the speed data you input in the Planning Mode, you can make adjustments to reflect the new speed.
- While a Drive Mode calculation is in progress, the display shows either the distance covered or the ETA. Use **D** to switch between the two displays. The watch automatically returns to the Distance Covered Display if you do not perform any button operation for a few minutes.



Distance covered
[Distance Covered Display]



ETA
Day of week
[ETA Display]

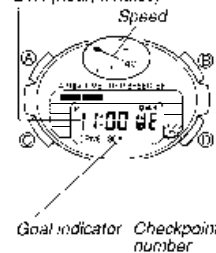
- The watch internally calculates the amount of time it will take to reach your destination based on the distance and speed data you input. Whenever this required time is greater than 47 hours, 59 minutes 59 seconds, the ETA display shows "-: -".

To calculate ETA and the distance covered without checkpoints

1. In the Planning Mode, input distance and speed data for checkpoint number 1 only.
2. Enter the Drive Mode, and press **D** to start Drive Mode operation. When you do, the distance covered display shows the distance covered, which is updated at 1-second intervals.
- While a Drive Mode operation is in progress, you can press **D** to switch between the distance covered and the ETA displays.
- For information on how to change the speed data.
3. Press **D** to stop the Drive Mode operation. At this time the display clears to 00 00 00.

To calculate ETA and the distance covered with checkpoints

ETA (hour, minutes)

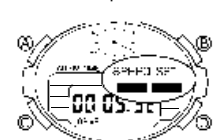


1. In the Planning Mode, input distance and speed data for more than one checkpoint.
2. Enter the Drive Mode, and press **▶** to start Drive Mode operation. When you do, the distance covered display shows the distance covered, which is updated at 1-second intervals.
 - Note that the updating of the distance covered display is always updated at 1-second intervals beginning from the point that you press **▶** to start Drive Mode operation. This update interval remains the same (1-second intervals from the start of operation) even when you change to another checkpoint.

- While a Drive Mode operation is in progress, each time you press **▶** the ETA display sequentially shows the ETA for the speed and distance data you input for each checkpoint.
 - When the data on the display is that for your final destination, the indicator "GOAL" also appears.
 - For information on how to change the speed data
3. When you reach your first checkpoint, press **▶** to change to the next checkpoint and continue Drive Mode operation.
 - If the actual time (as indicated in the Timekeeping Mode) that you reach the checkpoint is earlier or later than the ETA, all of the ETAs for the following checkpoints are updated automatically. You can use **▶** to look up the new ETAs.
 - If you take a break (stop driving) at a checkpoint, be sure to use the procedure described to change the speed data (that you originally set in the Planning Mode) to 0 km/h. This will avoid problems with wrong ETAs for the other checkpoints. When set out again for the next checkpoint, do not forget to press **▶** to start the Drive Mode operation for the next segment (up to the next checkpoint).
 4. Repeat step 3 for each of the checkpoints.
 - When you set out from your final checkpoint towards your final destination, the indicator "GOAL" appears on the display. When you press **▶** after reaching your destination, the display clears to 00:00:00.
 - To cancel an ongoing Drive Mode operation, keep pressing **▶** until the display clears to 00:00:00.

To change the speed data

Speed

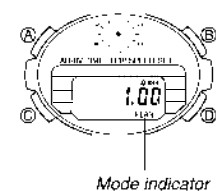


1. While in the Drive Mode, hold down **▶** until underline marks (—) appear under the SPEED and SET indicators.
2. Press **▶** to advance the second hand (which indicates the speed) or **◀** to make it move back.
 - Holding down either button advances the speed setting at high speed.
3. After you finish your setting, press **▶** to return to the Drive Mode.

To measure the distance covered

1. Enter the Planning Mode and clear the speed and distance settings.
2. Enter the Drive Mode, and set the speed you want (see "To change the speed" for details).
3. Press **▶** to start the Drive Mode operation. When you do, the distance covered display shows the distance covered, which is updated at 1-second intervals.
4. To stop the Drive Mode operation, press **▶** again.
 - You can resume the Drive Mode operation by pressing **▶**.
5. To clear the entire operation, hold down **▶** until the display clears to 00:00:00.

PLANNING MODE



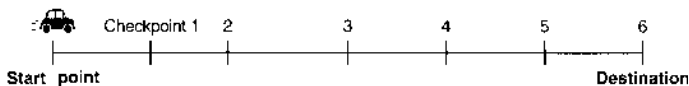
Use this mode to input and clear the distance and speed data that is required to perform the Drive Mode calculations. In this mode, the second hand indicates the speed, while the hour and minute hands indicate the current time.

Important!

Note that you cannot change the distance and speed settings while a Drive Mode operation is in progress. To stop a Drive Mode operation, enter the Drive Mode and hold down **▶** until the display clears to 00:00:00.

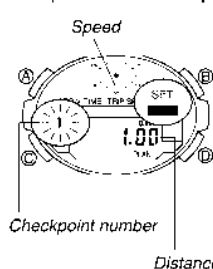
About distance and speed data . . .

You can input up to six sets of distance and speed data. This means that you can input individual data checkpoints plus data for the final leg between the fifth checkpoint and your ultimate destination.



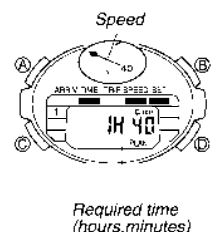
- Each set of distance and speed data that you set in this mode is applied from one point to the next. The first set of data, for example, applies to the segment between the start point up to checkpoint 1, the next set of data is for the segment from checkpoint 1 to checkpoint 2, etc.
- The distance and speed data you input in this mode is stored in checkpoint memories (from 1 through 6). If you want to perform operations in the Drive Mode without using checkpoints, input data for checkpoint memory 1 only.
- You can input distance data in 0.01 kilometer units, within the range of 1 kilometer to 999.99 kilometers. You can input speed data in 2 km/h units, within the range of 2 km/h to 118 km/h. For details on how to input this data, see the next section: "To input distance and speed data."

To input distance and speed data



1. While in the Planning Mode, hold down **▶** until an underline mark (—) appears under the SET indicator.
2. Press **▶** to start input of distance data. At this time, the digits to the left of the decimal point in the display start to flash and an underline mark (—) appears under the TRIP indicator.
3. Press **▶** to increase the flashing digit by 1 or **◀** to decrease it. Holding down either button changes the digit at high speed.
 - You can set this value within the range of 1 to 999 kilometers.

4. Press **▶** and the digits to the right of the decimal point start to flash.
5. Press **▶** to increase the flashing digits by 1/100 or **◀** to decrease them. Holding down either button changes the digits at high speed.
 - You can set these digits within the range of .00 to .99 kilometers.



6. To input speed data, first press **▶**. At this time, the second hand moves to indicate the currently set speed (60 km/h is the initial value) and an underline mark (—) appears under the TIME and SPEED indicators. Also, the digital display shows the required time to travel the distance specified by the distance data you input, at the speed shown by the second hand.

7. Press **▶** to advance the second hand (which indicates the speed) or **◀** to make it move back.
 - Holding down either button advances the speed setting at high speed.
 - As you change the speed, the required time changes accordingly.
 - You can set any speed that does not result in the required time (which is internally calculated using the speed and distance data you input) becoming greater than 47 hours, 59 minutes 59 seconds.
8. After you input the distance and speed, press **▶**. At this time, the checkpoint number for the memory that contains the data you just input is flashing on the display, and an underline mark (—) is under the SET indicator.
9. If you want to exit the distance and speed data input procedure here, jump to step 12. If you want to input data for the next checkpoint, proceed with step 10.
10. Press **▶** to start input of the distance and speed data for the next checkpoint. At this time, the applicable checkpoint number flashes on the display.
 - When you press **▶**, the data for the next checkpoint (the one that appears) is automatically initialized to a distance of 1.0 kilometer and a speed of 60 km/h.
11. Repeat steps 2 through 9 to input distance and speed data for other checkpoints, if you want.
12. After you finish setting distance and speed data for other checkpoints, press **▶** to return to the Planning Mode.
 - The numbers of all the checkpoint memories that contain data are lit on the display.

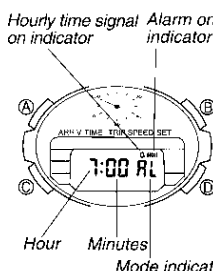
To check distance and speed data

Pressing **▶** in the Planning Mode sequentially displays the speed and distance data for each checkpoint, starting from checkpoint number 1. The speed data is indicated by the second hand.

To clear distance and speed data

You can clear all of the distance and speed data at one time only. You cannot clear the data for only one checkpoint. To clear the data, enter the Planning Mode and hold down **▶** and **▶** at the same time, until the message "CLEAR" appears on the display.

ALARM MODE



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. Note that the Daily Alarm and the Hourly Time Signal operate based on the digital time setting.

To set the alarm time

1. Hold down **▶** while in the Alarm Mode until the hour digits start to flash on the display. The hour digits flash because they are selected.
 - You can set this value within the range of 1 to 999 kilometers.
2. Press **▶** to change the selection in the following sequence.
 - Hour ←→ Minutes
3. Press **▶** to increase the selected digits. Holding down **▶** changes the selection at high speed.
 - The format (12-hour and 24-hour) of the alarm time matches the format you select for normal timekeeping.
 - When setting the alarm time using the 12-hour format, take care to set the time correctly as morning or afternoon.
4. After you set the alarm time, press **▶** to return to the Alarm Mode.
 - At this time the Daily Alarm is switched on automatically.

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