



BOILER

Model FS81239
Model FS81240



S1 – Start Button
S2 – Reset Button
S3 – Mode Button
S4 – Light Button

DISPLAY MODES

The watch has five display modes: NORMAL TIME, ALARM (AL), CHRONOGRAPH (ST), DUAL TIME (T2) and TIMER (TR).

To change from one display mode to another, press S3 button once.

NOTE: In any setting mode, if there is no manipulation for around 1 minute, the watch will automatically save the entered data and exit the setting procedure.

TO SET THE TIME AND CALENDAR

- Press S3 button to select NORMAL TIME mode.
- Press S1 button to toggle between 12-hour and 24-hour format.
- Press and hold S2 button for around 3 seconds, the second digits will blink.
- Press S1 button to reset second digits to 00. This will increase the time by 1 minute if the original setting is at 30 to 59 seconds.
- Press S3 button, the minute digits will blink.
- Press S1 button to set the minute digits. Holding down the button will speed up the process.
- Press S3 button, the hour digits will blink.
- Press S1 button to set the hour digits.
- Follow the same pattern to set the month, date and year.
- After finished making all the settings, press S2 button to confirm.

NOTE: The day (of the week) is

automatically set in accordance with the date. The date can be set within the range of 1 January 2000 to 31 December 2099.

TO SET THE ALARM TIME

- Press S3 button to select ALARM mode.
- Press and hold S2 button for around 3 seconds, the minute digits will blink.
- Press S1 button to set the minute digits. Holding down the button will speed up the process.
- Press S3 button, the hour digits will blink.
- Press S1 button to set the hour digits.
- After finished making all the settings, press S2 button to confirm.

NOTE: The alarm will automatically be activated after being set.

TO USE THE ALARM AND HOURLY CHIME

In ALARM mode,

- Press S1 button once to activate the daily alarm. Alarm indicator will appear.
- Press again to activate the hourly chime. Chime indicator will appear.
- Press a third time to activate both functions. Both of the indicators will appear.
- Press a fourth time to deactivate both functions. Both of the indicators will disappear.

WHEN AN ALARM OR HOURLY CHIME GOES OFF

A tune will go off by the hour if the hourly chime function is activated.

A 10-second alarm tune will be emitted at the designated time when the alarm is activated. To stop the tune, press any button.

TO USE THE CHRONOGRAPH

- Press S3 button to select CHRONOGRAPH mode.
- The chronograph will then be displayed in its current state – reset, running, or stopped.
- To resume a counting, press S1 button to resume from where it left off.
- To start a new counting, reset the stop watch to zero first. Press S1 button to stop counting, then press S2 button to reset the counter to zero.

For the measurement of elapsed time: In CHRONOGRAPH mode,

- Press S1 button to start counting.
- To stop counting, press S1 button. Press S1 button again to resume from where it left off.
- To reset to zero, press S1 button to stop counting and then press S2 button.

For the measurement of split time:

In CHRONOGRAPH mode,

- Press S1 button to start counting.
- While the chronograph is running, press S2 button to register a lap. The chronograph is still running in the background. To display the currently accumulated time, press S2 button again.
- Repeat the last step until all the laps have been registered.
- To stop counting, press S1 button. Press S1 button again to resume from where it left off.
- To reset to zero, press S1 button to stop counting, then press S2 button to reset the counter to zero.

For the measurement of two finishes: In CHRONOGRAPH mode,

- Press S1 button once to start counting.
- While the chronograph is running, press S2 button once to register and display the time of the first runner. The chronograph is still running in the background.
- Press S1 button to stop and register the time of the second runner.
- Press S2 button to display the time of the second runner.
- To reset to zero, press S2 button again.

NOTE: You can leave the chronograph running while switching over to other operating modes.

TO SET THE DUAL TIME

- Press S3 button to select DUAL TIME mode.
- Press and hold S2 button for around 3 seconds, the hour digits will blink.
- Press S1 button to set the hour digits. Holding down the button will speed up the process.
- After finishing making the setting, press S2 button to confirm.

NOTE: In DUAL TIME settings, only the hour digits are open to setting. The value of the minute digits and second digits will be the same as that of NORMAL TIME.

TO SET THE TIMER

- Press S3 button to select TIMER mode.
- Press and hold S2 button for around 3 seconds, the second digits will blink.
- Press S1 button to set the second digits. Holding down the button will speed up the process.
- Press S3 button, the minute digits will blink.
- Press S1 button to set the minute digits.
- Press S3 button, the hour digits will blink.
- Press S1 button to set the hour digits.
- After finished making all the settings, press S2 button to confirm.

TO USE THE TIMER

In TIMER mode,

- Press S1 button to start counting.
- To stop counting, press S1 button. Press S1 button again to resume from where it left off.
- After reaching zero in a countdown, a 10-second tune will be emitted. To stop the tune, press any button.
- The timer will reload automatically when the tune stops.

TO USE THE BACKLIGHT

Press S4 button to turn on the backlight for around 3 seconds.

SOLAR CELL

This watch uses a solar cell (Maxell ML1220) that is recharged from solar energy by simply exposing the watch face to external light sources. As with other rechargeable batteries, when the solar cell loses its ability to achieve full charge, replace the battery with a Maxell ML1220 rechargeable battery.

NOTE: After replacing the battery, all data stored in watch memory will be erased. Thus, there is a need to reset the desired time of the watch.

The table below shows the rechargeable battery power indicator status:

Level	Battery power indicator	Function Status
1.		All functions are enabled. (power saving function)
2.		Alarm, hourly time signal, button signal and backlight are disabled. (power saving function)
3.		Time keeping functions are still enabled, the screen display will turn into sleep power saving mode after flashing for 30 seconds. Press any button, the screen display will flash again for 30 seconds to alert you to charge the battery.
4.	NO DISPLAY	All functions are disabled. Need to recharge or replace the battery immediately if it cannot be recharged.

NOTES:

- From a fully charged battery (Level 1), if the watch is stored in a dark place or is without any light exposure for a period of around 5 months, the battery will drain completely. The battery then needs to be recharged immediately up to

Level 3 to be able to reset the watch functions manually. This will usually take about 5 hours.

- Leaving the watch in direct sunlight or another strong light source can cause the battery power indicator to temporarily show a reading that may be higher than the actual battery level. By pressing the S4 button (Light Button) momentarily, actual battery power level will be displayed.
- From a Full Charge battery condition, normal watch functions are expected to last for a period of 12 months.

Exposing the watch to a light source for the periods shown below each day restores the power used during normal operating conditions:

CHARGING CONDITIONS

Exposure Level (Brightness)	Approximate Exposure Time
Outdoor Sunlight (50,000 Lux)	10 minutes
Sunlight through a window (10,000 Lux)	48 minutes
Daylight through a window on a Cloudy Day (5,000 Lux)	1.5 hours
Indoor fluorescent lighting (500 Lux)	16 hours

NOTES:

- Stable watch operation is achieved through frequent battery recharging.
- Under certain conditions of charging, the watch can become very hot. Avoid leaving the watch under the following conditions during battery recharging and be extra cautious when handling the watch:
 - On the dashboard of a car under direct sunlight
 - Too close to an incandescent lamp
- If the watch is overly hot, the display will be blank. It will return to normal when the ambient operating temperature is achieved.

The table below shows the amount of light exposures and the corresponding charging duration to enhance the battery power from lower to higher levels:

Exposure Level (Brightness)	Approximate Exposure Time			
	Level 4	Level 3	Level 2	Level 1
Outdoor Sunlight (50,000 Lux)	10 minutes	30 minutes	3 hours	36 hours
Sunlight through a window (10,000 Lux)	30 minutes	2 hours	10 hours	90 hours
Daylight through a window on a Cloudy Day (5,000 Lux)	1 hours	4 hours
Indoor fluorescent lighting (500 Lux)	5 hours	32 hours

NOTE: All of the above exposure time values are for reference only. Actual exposure time depends on lighting conditions.

POWER SAVING FUNCTION

The watch will turn into Sleep Mode (blank display) when it is placed in the dark or exposed to light below 5 Lux intensity within 15 seconds. Depending on the Battery Level status when the watch is at Sleep Mode, the watch still keeps time up to Battery Level 3. When the watch is exposed to ambient light of above 5 Lux, the display of the watch will automatically return to normal mode within a period of 5 seconds. The display can also return to normal immediately as soon as any button is activated or pressed.



To reduce carbon foot print, these Freestyle instructions are printed with soy inks on recycled paper.

FS-812-1050-01