



PRECISION

# OPERATING INSTRUCTIONS ANALOG-DIGITAL

GW-24 SERIES



S1	MODE
S2	RESET
S3	START
S4	LIGHT
S5	CROWN

# 1. FUNCTION DESCRIPTION

The watch shall possess the following features and functions:

## TIME AND DATE

- » Digital time display (hour, minute and second): optional 12-hour or 24-hour time format
- » Analog time display (hour, minute and second): synchronized with digital home time
- » Digital date display (date, day of week)
- » World time function (time for 85 cities worldwide)

## CHRONOGRAPH

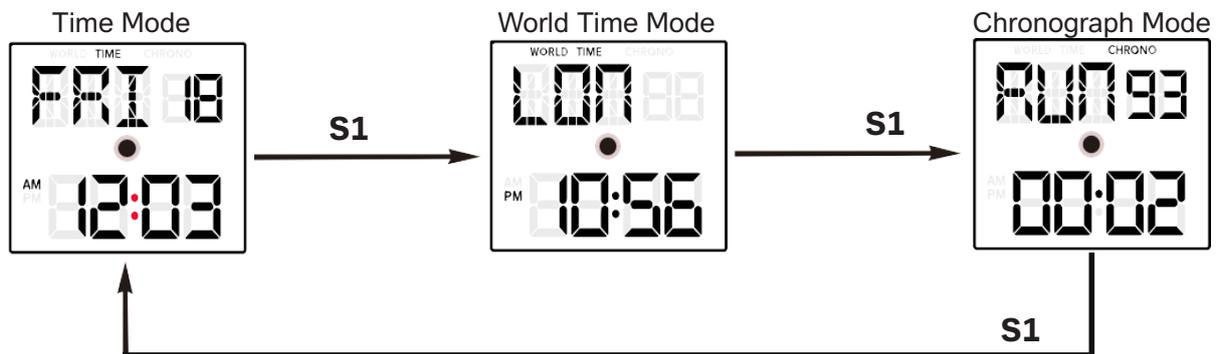
- » 1/100 - second resolution, count up to 24 hours
- » No lap record

## EL BACKLIGHT

- » Build-in EL backlight

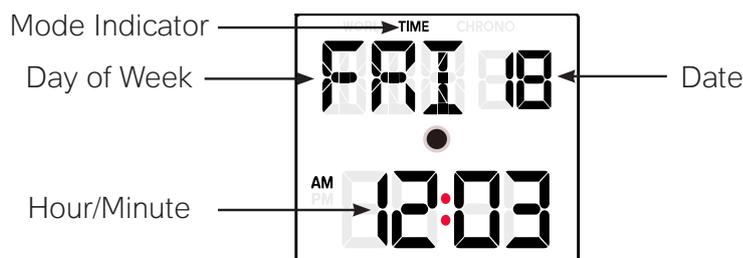
# 2. MODE ARCHITECTURE

The watch employs classic mode architecture for navigation between modes. The default mode is the time mode, and the user can press button **S1** to switch between different function modes. The operation is as below:



# 3. OPERATION IN TIME OF DAY

The display in time mode is shown below:

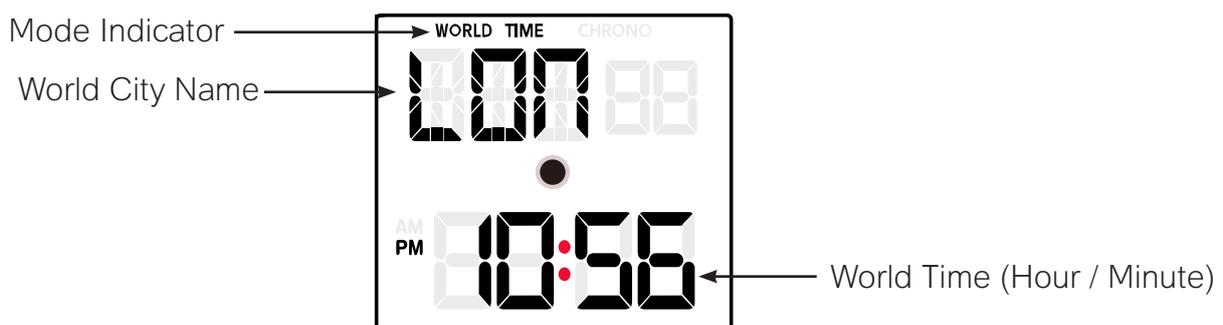




1. In the Time Display Mode, pull out the crown (**S5**) to enter the setting state.
2. When you enter the setting state, digital time updating is paused, and all hands come to a stop. The setting item blinks red.
3. For all setting items except hour format or adjusting hands, pressing button **S3** will increase the setting value, while pressing button **S2** will decrease it. A long press of either button for 1 second will enable fast adjustment of the setting value. Releasing the button will exit the fast adjustment mode.
4. To maintain synchrony between the analog hand and digital time, ensure that the digital second value matches the second hand when setting the second.
5. When adjusting the hour and minute hands, turning the crown clockwise or counterclockwise will adjust the hand positions. Ensure that the hands align with the digital hours and minutes.
6. When setting the hour format, pressing button **S3** or **S2** toggles between the 12-hour and 24-hour formats.
7. While in the set state, pushing in the crown saves all settings and automatically returns to the normal time display. The time for updating resumes immediately.

## 4. OPERATION IN WORLD TIME MODE

*The display in time mode is shown below:*



### BASIC OPERATIONS:

- Pressing button **S1** will change to the next function mode, chronograph.
- Pressing button **S2** will change world time to the last city.
- Pressing button **S3** will change world time to the next city.
- Pressing button **S4** will turn on the EL backlight for 3 seconds.

### WORLD TIME ZONES:

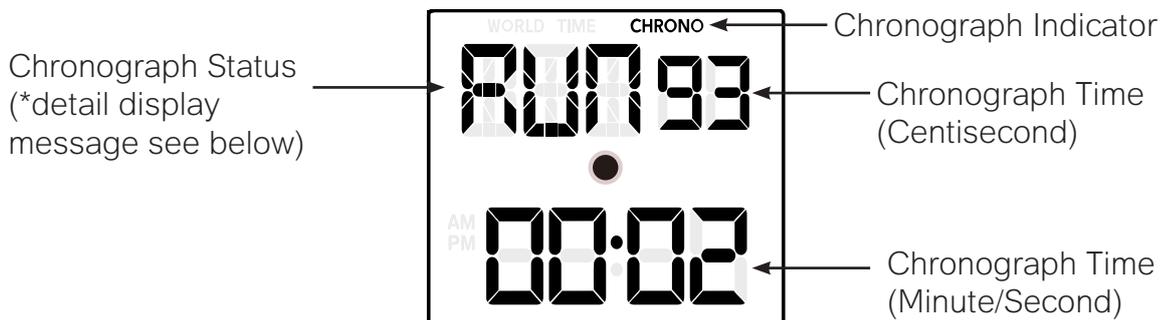
Index	City Code	City Name	UTC Offset
1	PPG	Pago Pago, AS	-11:00
2	HNL	Honolulu, US	-10:00
3	ANC	Anchorage, US	-9:00
4	AKT	Alaska Standard	-9:00
5	LAX	Los Angeles, US	-8:00
6	YVR	Vancouver, CA	-8:00
7	PST	Pacific Standard	-8:00
8	DEN	Denver	-7:00
9	YEA	Edmonton	-7:00
10	MST	Mountain Standard	-7:00
11	CHI	Chicago	-6:00
12	MEX	Mexico City	-6:00
13	YWG	Winnipeg	-6:00

Index	City Code	City Name	UTC Offset
14	CST	Central Standard	-6:00
15	MIA	Miami	-5:00
16	NYC	New York	-5:00
17	YTO	Toronto	-5:00
18	EST	Eastern Standard	-5:00
19	CCS	Caracas	-4:00
20	YHZ	Halifax	-4:00
21	SCL	Santiago	-4:00
22	AST	Atlantic Standard	-4:00
23	YYT	St. Johns	-3:30
24	BUE	Buenos Aires	-3:00
25	RIO	Rio De Janerio	-3:00
26	WGT	West Greenland	-3:00
27	FEN	Fernando de Noronha	-2:00
28	RAI	Praia	-1:00
29	EGT	East Greenland	-1:00
30	UTC	Coordinated Universal Time	0:00
31	WET	Western European Time	0:00
32	LIS	Lisbon	0:00
33	LON	London	0:00
34	WAT	West Africa	1:00
35	AMS	Amsterdam	1:00
36	BER	Berlin	1:00
37	MAD	Madrid	1:00
38	MCM	Monte Carlo	1:00
39	PAR	Paris	1:00
40	PRG	Prague	1:00
41	ROM	Rome	1:00
42	STO	Stockholm	1:00
43	CAT	Central Africa Time	2:00
44	EET	Eastern European Time	2:00
45	SAT	South Africa Standard	2:00
46	ATH	Athens	2:00
47	CAI	Cairo	2:00
48	HEL	Helsinki	2:00
49	JRS	Jerusalem	2:00
50	NIC	Nicosia	2:00
51	ANK	Ankara	3:00
52	EAT	East Africa Time	3:00
53	BGW	Baghdad	3:00
54	DOH	Doha	3:00
55	JED	Jeddah	3:00
56	MOS	Moscow	3:00
57	THR	Tehran	3:30
58	GST	Gulf Standard	4:00
59	DXB	Dubai	4:00
60	KBL	Kabul	4:30
61	KHI	Karachi	5:00
62	DEL	Delhi	5:30
63	KTM	Kathmandu	5:45
64	DAC	Dhaka	6:00
65	RGN	Yangon	6:30

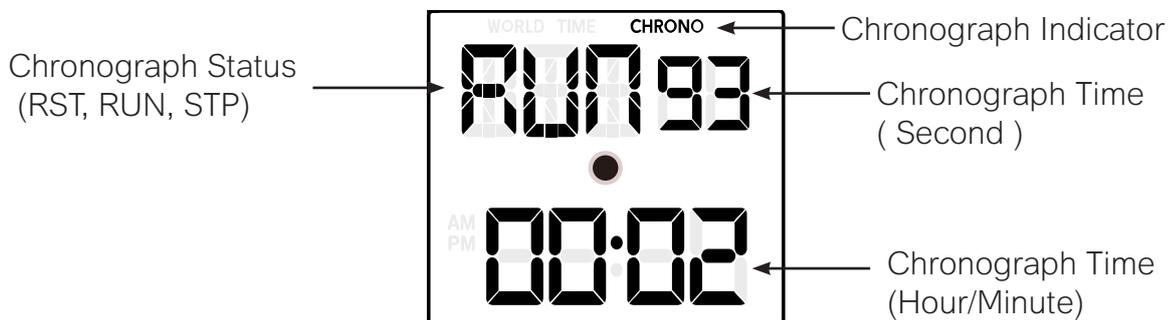
Index	City Code	City Name	UTC Offset
66	CXT	Christmas Island Time	7:00
67	BKK	Bangkok	7:00
68	AWT	Australian Western Standard	8:00
69	BEI	Beijing	8:00
70	SHA	Shanghai	8:00
71	CEB	Cebu	8:00
72	HKG	Hong Kong	8:00
73	KUL	Kuala Lumpur	8:00
74	MNL	Manila	8:00
75	PER	Perth	8:00
76	SIN	Singapore	8:00
77	TPE	Taipei	8:00
78	SEO	Seoul	9:00
79	TKY	Tokyo	9:00
80	ADL	Adelaide	9:30
81	AET	Australian Eastern Standard	10:00
82	GUM	Guam	10:00
83	SYD	Sydney	10:00
84	NOU	Noumea	11:00
85	WLG	Wellington	12:00

## 5. OPERATION IN CHRONOGRAPH

The display in chronograph mode is shown below:



When chronograph time is less than one hour



When chronograph time is over one hour

### CHRONOGRAPH STATUS DISPLAY MESSAGE:

- “RST” : Chronograph is reset, all data are clean.
- “STP” : Chronograph is stopped.
- “RUN” : Chronograph is running.
- “SPL” : Chronograph is in split state.

## BASIC OPERATIONS:

- » To return to the time display mode, simply press button **S1**.
- » When the chronograph is not running, press button **S3** to start timing immediately. Pressing **S3** again will stop the chronograph.
- » If the chronograph is already running, pressing button **S2** will keep the chronograph running, but the displayed time will pause and the message “**SPL**” will flash. After 5 seconds, it will return to the normal running time display.



- » When the chronograph is stopped, a short press of button **S2** will clear the current chronograph running time.
- » If the chronograph is running and reaches the maximum time, it will stop automatically and display the maximum time as 23 hours, 59 minutes, 59 seconds, and 99 hundredths of a second.
- » In any state, pressing button **S4** will activate the EL backlight for 3 seconds.

## 6. MODULE SPECIFICATIONS

<b>Module Diameter:</b>	Φ36.20 mm
<b>Module Thickness:</b>	7.50 mm
<b>Work Temperature:</b>	-10°C~60°C
<b>Work Voltage:</b>	3.0 V
<b>Standby Work Current:</b>	< 5.5 uA
<b>Battery:</b>	Maxell CR2025 (140mAh)
<b>Est. Battery Endurance:</b>	24 months