

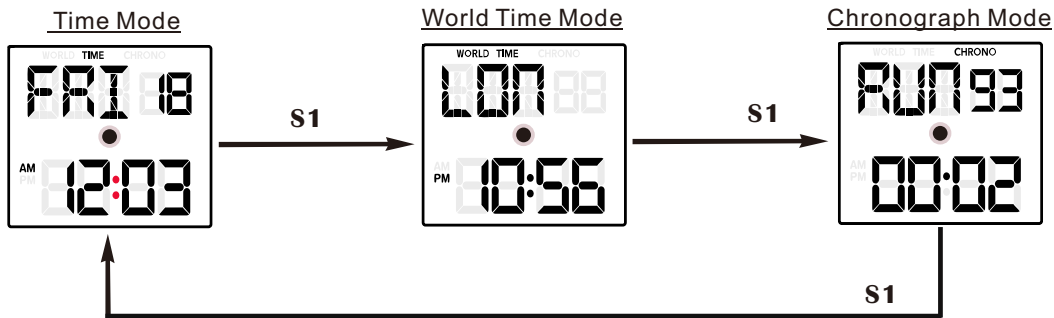
## 1. Function Description

The watch shall possess the following features and functions

- Time & Date
  - Digital Time Display (Hour, Minute, Second), Optional 12H or 24H hour format
  - 3 Hands analog time ( Hour, Minute, Second ), synchronized with digital Home time
  - Digital Date Display ( Date, Day of Week )
  - World Time, time for 85 world cities
  
- Chronograph
  - 1/100 - second resolution, count up to 24 hours
  - No lap record
  
- EL Backlight
  - Build in EL backlight

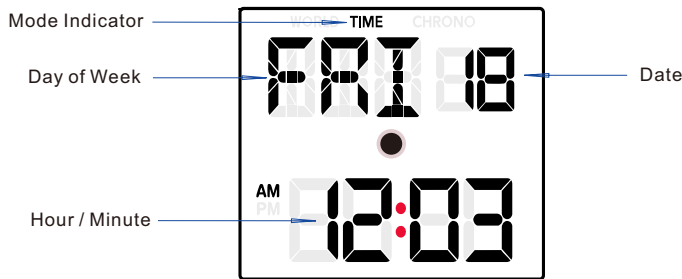
## 2. Mode Architecture

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



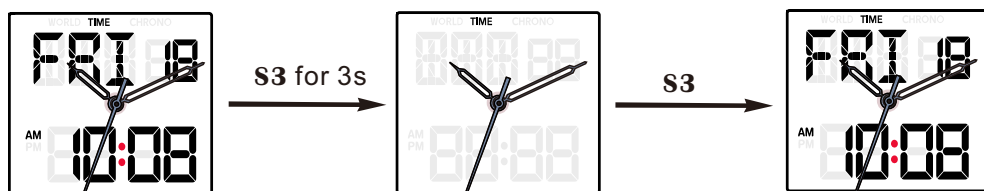
## 3. Operation in Time of Day

The display in Time mode is shown below:



### Basic Operations:

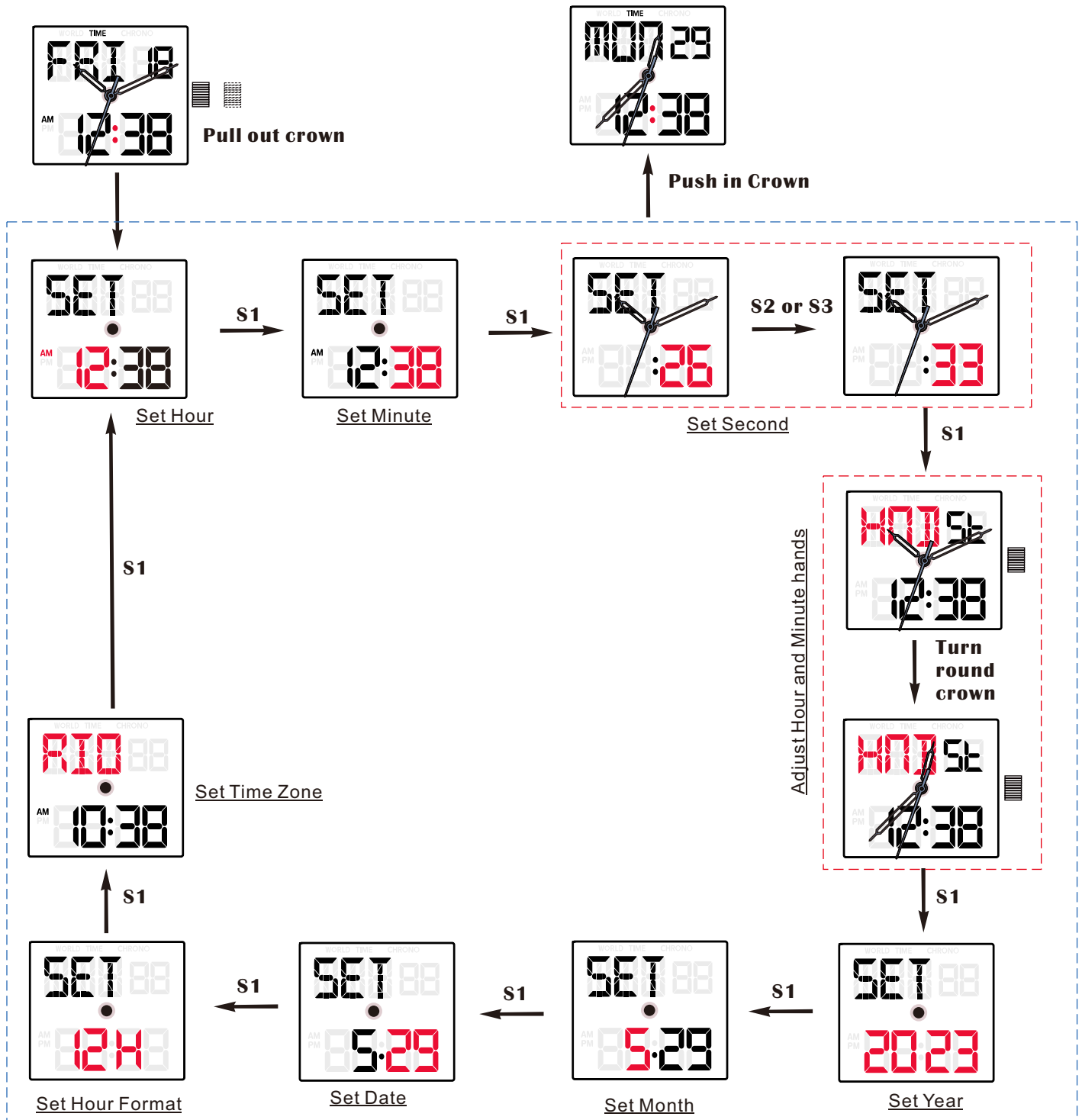
- > Press button **S1** will change to next function mode World Time
- > Press button **S4** will turn on EL backlight for 3 seconds
- > Long press button **S3** for 3 seconds will turn off the digital display except “TIME” icon, and press S3 again then the digital display is resumed.



- > Pull out crown (S5) will enter Time Set and Hands adjusting state

### How to set Digital Time and adjust Analog Hand:

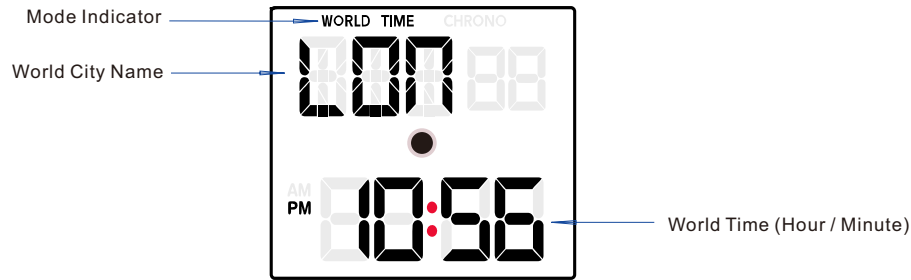
Normally the analog time is synchronized with digital time, but after run a period of time, maybe the analog hands are deviated of correct position, in this case, the user should adjust the hands. or once the user want to get a different time & date of this watch, who also need set the watch. For set the digital time & date or adjust analog time, user can pull out the crown (S5) in Time display mode, the can enter set state, the detail operation please see in next page.



- > When enter set state, digital time updating is suspended, all hands are stopped. And the setting item is blinking ( Blinking item is red in above diagram)
- > Except setting Hour Format or Adjusting Hands, for all others setting item, press button **S3** will increase setting value, press button **S2** will decrease setting value, long press of this button 1 second and held will continue with fast adjustment of the setting value. Release of this button will exit of the fast adjustment state.
- > For keep the synchronous between analog hand and digital time, when setting Second, please make sure the digital second value is the same with SECOND hand.
- > When adjusting Hour and Minute hands, turn around crown clockwise or count clockwise can adjust the hands position, please make sure the hands position are matched to digital Hour and Minute.
- > When setting Hour format, press button **S3** or **S2**, hour format is toggled between **12H** and **24H** format.
- > In set state, push in the crown, all setting are saved and then exit to normal time display automatically. also the time updating is resumed immediately.

## 3. Operation in World Time Mode

The display in World Time mode is shown below:



### Basic Operations:

- > Press button **S1** will change to next function mode Chronograph
- > Press button **S2** will change world time to last city.
- > Press button **S3** will change world time to next city.
- > Press button **S4** will turn on EL backlight for 3 seconds

### World Time Zones:

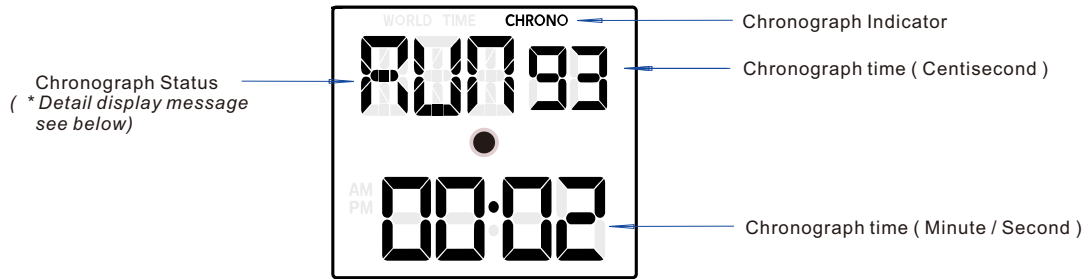
Index	City Code	City Name	UTC Offset	Remark
1	PPG	Pago Pago, AS	-11:00	
2	HNL	Honolulu, US	-10:00	
3	ANC	Anchorage, US	-9:00	
4	AKT	Alaska Standard	-9:00	
5	LAX	Los Angeles, US	-8:00	
6	YVR	Vancouver, CA	-8:00	
7	PST	Pacific Standard	-8:00	
8	DEN	Denver	-7:00	
9	YEA	Edmonton	-7:00	
10	MST	Mountain Standard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

( Continued ... )

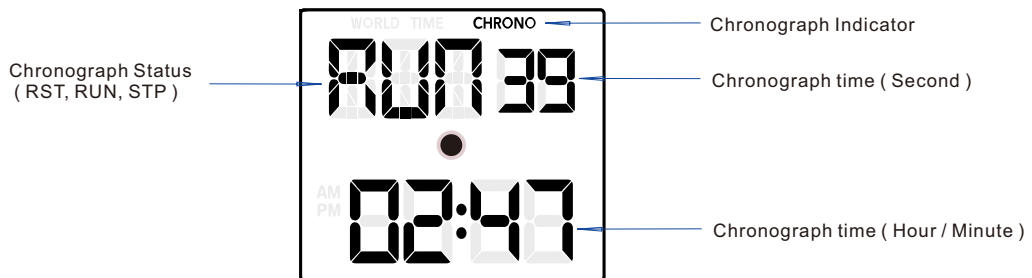
Index	City Code	City Name	UTC Offset	Remark
31	WET	Western European Time	0:00	
32	LIS	Lisbon	0:00	
33	LON	London	0:00	
34	WAT	West Africa	1:00	
35	AMS	Amsterdam	1:00	
36	BER	Berlin	1:00	
37	MAD	Madrid	1:00	
38	MCM	Monte Carlo	1:00	
39	PAR	Paris	1:00	
40	PRG	Prague	1:00	
41	ROM	Rome	1:00	
42	STO	Stockholm	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	
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	

## 4. Operation in Chronograph

The display in Chronograph mode is shown below:



When Chronograph time is less than one hour



When Chronograph time is over than 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:

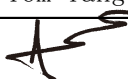

- > Press button **S1** will go back to Time display mode.
- > When Chronograph is stopped, press button **S3**, Chronograph will start timing immediately, press again of button **S3** will stop Chronograph.
- > When Chronograph is running, press button **S2**, chronograph is still running but the chronograph time is display still and message “SPL” is flashing ( As below ), after 5 seconds then go back to normal running time display.



- > When Chronograph is stopped, short press button **S2** will clear current chronograph running time.
- > When chronograph is running to maximum time, it will stop automatically and display the maximum time 23 : 59'59"99 still.
- > In any state, press button **S4** will turn on EL backlight for 3 seconds.

## 5. Module Specification

Module Diameter:	Φ36.20 mm
Module Thickness:	8.00 mm
Work Temperature:	-10°C~60°C
Work Voltage:	3.0 V
Standby Work Current:	< 2.62 uA
Battery	Maxell CR2025 (170mAh)
Est. Battery Endurance:	24 months

	Author	Review	Approval
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Signature			
Date	2023/9/12	2023/9/12	2023/9/12