

PYLE
SPORTS

**"Recreational Gear For
The Great Outdoors"**

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**"Recreational Gear For
The Great Outdoors"**

**PSWTM34
USER'S MANUAL**



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1.0 Introduction

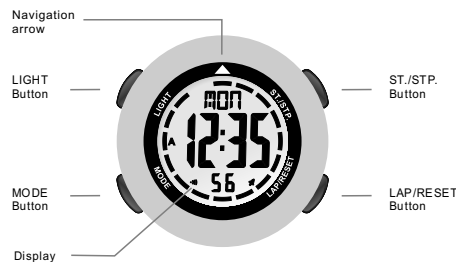
Congratulation on owning your Digital Compass Watch. To get most of your purchase, be sure to carefully read this manual and keep it on hand for later reference when necessary.

Developed from advanced sensor technology, this watch provides the digital compass function. In addition to the digital compass function, this Watch also provides timekeeping, daily alarm, chronograph, countdown timer, pacer and dual time function.

In order to utilize the above features of your watch, it is advisable to use watch in conformity with the below notes:

- Avoid exposing your Watch to the extreme conditions for an unreasonable time.
- Avoid rough uses or severe impacts to your Watch.
- Do not open the Watch case unless a certified service agency.
- Clean the Watch occasionally with a soft and moistened cloth.
- Keep the Watch away from magnets or the appliances contain magnetic objects such as mobile phones, speakers and motors.
- Store the Watch in a dry place when it is not in use.

2.0 Unit Overview



3.0 Function of the Watch

Current Time Mode

Time System:

- Hour, minute second. A.M (A), P.M (P)
- Switch between 12-hour and 24-hour format
- Bar graph animation at the rate of 1 second

Calendar System:

- Month, date and day of week display. Auto calculation of leap year/day of week

Compass Mode

- 16 compass directions. i.e. N,E,S,W, NE, SE, SW, NW, NNE ... and etc
- Magnetic north pointer
- Compass lock
- Backward bearing
- Declination setting and calibration

Daily Alarm Mode

- Daily alarm
- Hourly chime

Chronograph Mode

- Measurement unit: 1/100 second
- Measuring capacity: 99 hours 59 minutes 59.99 seconds

- Bar graph animation at the of 1/10 second.

Timer Mode

- Measurement unit: 1 second
- Measuring capacity: 99 hours 59 minutes 59 seconds

- Bar graph animation at the of 1 second.
- Multi-phase alert at last 5,4,3,2,1 second(s)
- Sounds long beep when reach zero

Pacer Mode

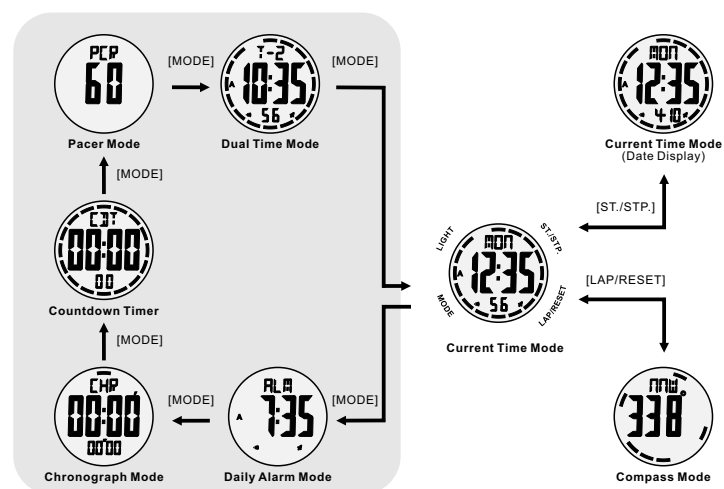
- Pacer beat: 40 to 180 beats per minute

Dual Time Mode

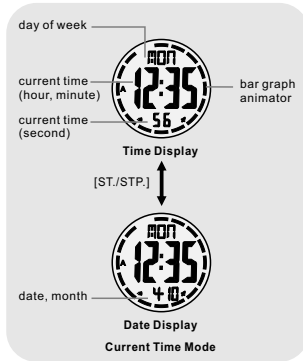
Time System:

- Hour, minute second. A.M (A), P.M (P)
- Bar graph animation at the rate of 1 second

4.0 Major Function Modes



5.0 Current Time Mode - Current Time and Date Display



Current Time Mode

- Current Time Mode includes two displays. They are the Time Display and Date Display.
- Press the [ST./STP.] button to change the display between the Time Display and Date Display.

Time Display

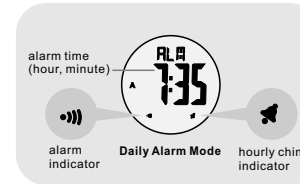
- The day of week of the current time is exhibited on the 1st row of the display.
- The current time (hour, minute) and the current time (second) are exhibited on the 2nd and the 3rd row of the display.
- The elapse of time is animated (at the rate of 1 second) by the bar graph.

Date Display

- The day of week of the current time and the current time (hour, minute) is exhibited on the 1st row and the 2nd of the display.
- The date (month, date) of the current time is exhibited on the 3rd row of the display.
- The elapse of time is animated (at the rate of 1 second) by the bar graph.

Note: Hold down the [ST./STP.] button in Date Display to switch the date format between Month-date and Date-month.

6.0 Alarm Time Mode - Setting the Alarm and Chime On/Off



Daily Alarm Mode

- This Watch provides a daily alarm function for the current time. When the daily alarm is ON, the Watch will beep for 20 seconds when the alarm time is reached.
- This Watch also provides a hourly chime function for the current time. When the hourly chime is ON, the Watch will sound 'beep beep' every hour on the hour.

Daily Alarm Display

- The daily alarm time (hour, minute) is exhibited on the 2nd row of the display.

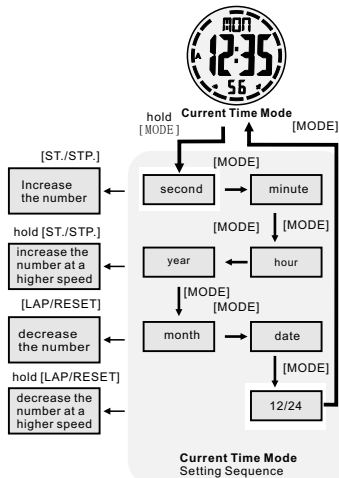
To Set the Hourly Chime ON/OFF

- To set the hourly chime between ON or OFF, press the [LAP/RESET] button in the Daily Alarm Mode.
- When the chime indicator '•••' is appeared, the chime is ON.

To Set the Daily Alarm ON/OFF

- To set the daily alarm between ON or OFF, press the [ST./STP.] button in the Daily Alarm Mode.
- When the daily alarm indicator '•••' is appeared, the daily alarm is ON.

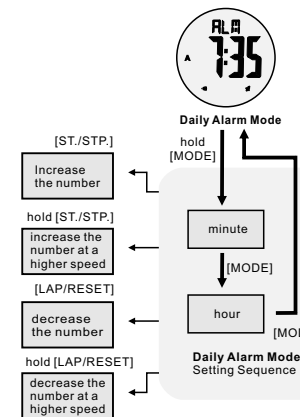
5.1 Current Time Mode - Setting Current Time Mode



To Set the Current Time Mode

- To select the setting display, hold down the [MODE] button for 2 seconds in the Current Time Mode.
- Once it get into the setting display, the 'Second' digits start flashing. Press the [MODE] button to select the flashing (setting item) as shown in the diagram.
- When the second digits start flashing, press the [start/stop] or [lap/reset] button to reset them to zero.
- When one of the settings (minute, hour, year, month, date) is flashing, press the [ST./STP.] or [LAP/RESET] button to change the number; hold down the [ST./STP.] or [LAP/RESET] button to change the number at a higher speed.
- When the '12' or '24' digits start flashing, press the [ST./STP.] or [LAP/RESET] button to select between the 12 or 24 hour format.
- When the 12/24 hour format is set, press the [MODE] button to exit the setting display.
- If NO key-stroke has been activated for 1 minute during the setting display, it will return to Current Time Mode.

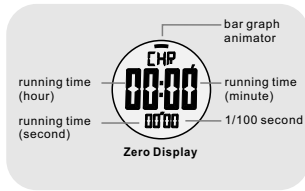
6.1 Alarm Time Mode - Setting the Alarm Time



To Set the Alarm Time Mode

- To select the setting display, hold down the [MODE] button for 2 seconds in the Daily Alarm Mode.
- Once it get into the setting display, the 'Minute' digits start flashing. Press the [MODE] button to select the flashing (setting item) as shown in the diagram.
- When one of the settings (minute, hour) is flashing, press the [ST./STP.] or [LAP/RESET] button to change the number; hold down the [ST./STP.] or [LAP/RESET] button to change the number at a higher speed.
- When the hour is set, press the [MODE] button to exit the setting display.
- If NO key-stroke has been activated for 1 minute during the setting display, it will return to Daily Alarm Mode.

7.0 Chronograph Mode - Chronograph Mode



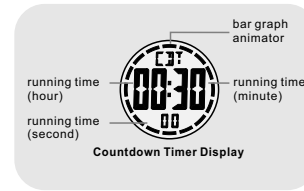
Chronograph Mode

- This Watch provides a stopwatch function.
- The measurement unit of the chronograph is 1/100 second, and its measuring capacity is 99 hours, 59 minute and 59.99 second.
- The Chronograph can be used to measure elapsed time (elapse of time) and lap time (read the elapse of time without stopping the measurement).

Chronograph Display

- The running time (hour, minute) is exhibited on the 2nd row of the display.
- The running time (second, 1/100 second) is exhibited on the 3rd row of the display.
- The elapse of time is animated (at the rate of 1/100 second) by the bar graph.

8.0 Countdown Timer Mode - Countdown Timer Display



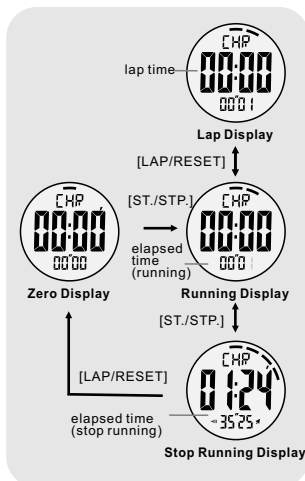
Countdown Timer Mode

- This Watch provides a countdown timer function.
- The measurement unit of the timer is 1 second, and its measuring capacity is 99 hours, 59 minute and 59 second.
- The Countdown timer can be used to timekeeping for a fix period of time (target time), i.e. the Watch will start running from the target time to zero.
- The Watch will beep for few seconds when zero is reached.

Countdown Timer Display

- The running time (hour, minute) is exhibited on the 2nd row of the display.
- The running time (second) is exhibited on the 3rd row of the display.
- The elapse of time is animated (at the rate of 1 second) by the bar graph.

7.1 Chronograph Mode - Using the Chronograph



To Measure the Elapse of Time

- In Zero Display, press the [ST./STP.] button once to start the measurement (the digits will start running); press the [ST./STP.] button once again to stop the measurement (the digits will stop running).
- The time (elapsed time) that elapsed from the 1 st [ST./STP.] key-stroke to the 2 nd [ST./STP.] key-stroke will be exhibited on the display.
- Repeat the above mentioned key operations, it will get the accumulative elapsed time that the chronograph is running.

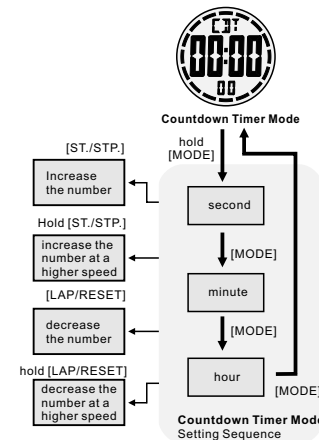
To Get Lap Time

- When the chronograph is running, press the [LAP/RESET] button to get and view the lap time. In Lap Time Display, press the [LAP/RESET] button to return to counting display.
- During the Lap Time Display is exhibited, the elapsed time is still measuring on the background continuously.

To Reset the Chronograph

- To record a new set of elapsed time, press the [LAP/RESET] button (when the chronograph has stopped) to reset the chronograph.

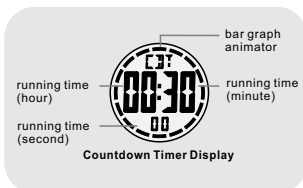
8.1 Countdown Timer Mode - Setting the Countdown Timer Mode



To Set the Countdown Timer Mode (Target Time)

- To select the setting display, hold down the [MODE] button for 2 seconds in the Countdown Timer Mode.
- Once it get into the setting display, the 'Second' digits start flashing. Press the [MODE] button to select the flashing (setting item) as shown in the diagram.
- When one of the settings (second, minute, hour) is flashing, press the [ST./STP.] or [LAP/RESET] button to change the number; hold down the [ST./STP.] or [LAP/RESET] button to change the number at a higher speed.
- When the hour is set, press the [MODE] button to exit the setting display.
- If NO key-stroke has been activated for 1 minute during the setting display, it will return to Countdown Timer Mode.

8.2 Countdown Timer Mode - Using the Countdown Timer



To Use the Timer

- Once the target time has been set (for example 30 minutes), press the [ST./STP.] button to start the measurement (the digits will start running); press the [ST./STP.] button once again to stop the measurement (the digits will stop running).
- The elapsed time will be exhibited on the display throughout the measurement.
- When the countdown time has come to zero, press [lap/reset] button to re-load the target time.

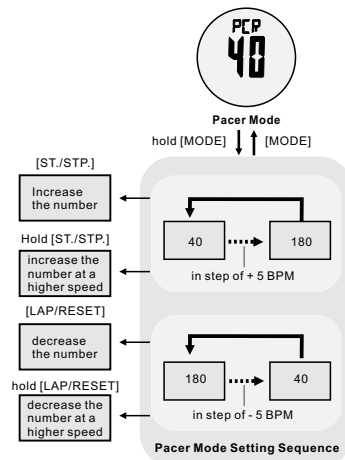
To Re-load the Timer

- To re-load the timer display to target time, press the [LAP/RESET] button (when the timer has stopped) to re-load the timer.

Timer Alarm Sound

- The Watch will beep once when it comes to the last 5,4,3,2 and 1 second(s).
- The Watch will sound a long beep when reach zero.

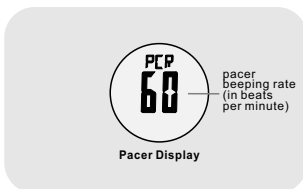
9.1 Pacer Mode - Setting the Pacer Mode



To Set the Pacer Mode (Pacer Beeping Rate)

- To select the setting display, hold down the [MODE] button for 2 seconds in the Pacer Mode.
- Once it gets into the setting display, the 'Pacer Beeping Rate' digits start flashing. When the 'Pacer Beeping Rate' (in beats per minute) is flashing, press the [ST./STP.] or [LAP/RESET] button to change the number; hold down the [ST./STP.] or [LAP/RESET] button to change the number at a higher speed.
- When the 'Pacer Beeping Rate' is set, press the [MODE] button to exit the setting display.
- If NO key-stroke has been activated for 1 minute during the setting display, it will return to Pacer Mode.

9.0 Pacer Mode - Pacer Display



Pacer Mode

- This Watch provides a pacer function.
- When the pacer is activated, it will generate beeps at a pre-defined pacer beeping rate.
- The pacer beeping rate can be set from 40 to 180 beats per minute (in step of 5 beats per minute).

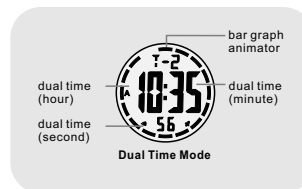
Pacer Display

- The pacer beeping rate (in beats per minute) is exhibited on the 2nd row of the display.

To Use the Pacer

- Once the pacer beeping rate has been set (for example 60 BPM), press the [ST./STP.] button will start the beeping. When the watch is beeping, press the [ST./STP.] button once again to stop the beeping.

10.0 Dual Time Mode - Dual Time Mode



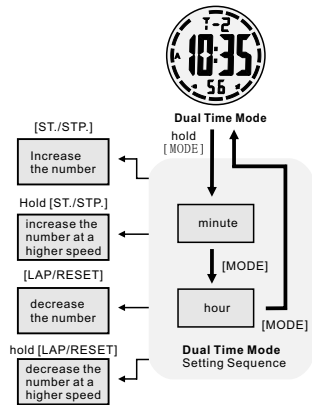
Dual Time Mode

- This Watch provides a dual time function which provides the supplementary function to current time.
- The dual time is synchronized with the current time.

Dual Time Display

- The dual time (hour, minute) and the dual time (second) are exhibited on the 2nd and the 3rd row of the display.
- The elapse of time is animated (at the rate of 1 second) by the bar graph.

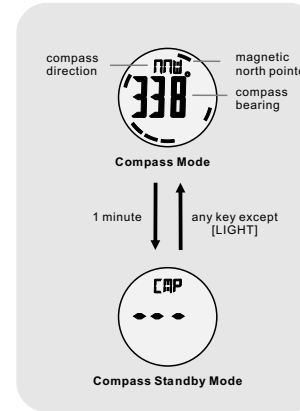
10.1 Dual Time Mode - Setting the Dual Time Mode



To Set the Dual Time Mode

- To select the setting display, hold down the [MODE] button for 2 seconds in the Daily Alarm Mode.
- Once it gets into the setting display, the 'Minute' digits start flashing. Press the [MODE] button to select the flashing (setting item) as shown in the diagram.
- When one of the settings (minute, hour) is flashing, press the [ST./STP.] or [LAP/RESET] button to change the number; hold down the [ST./STP.] or [LAP/RESET] button to change the number at a higher speed.
- When the hour is set, press the [MODE] button to exit the setting display.
- If NO key-stroke has been activated for 1 minute during the setting display, it will return to Dual Time Mode.

11.1 Compass Mode - Compass Mode



Compass Mode

- The Watch includes a digital compass function. When the Compass Mode is selected, it provides compass directions (N, E, S, W, and etc), compass bearing and the magnetic north pole direction.
- The Compass Mode also includes a battery saving feature, that is the Standby Mode. For saving the battery, the Compass will change to the Standby Mode after 1 minute.

Compass Display

- The compass direction and the compass bearing are exhibited on the 1st and 2nd row of the display respectively.
- The direction of the magnetic north is animated by the bar graph.

Compass Standby Mode

- To extend the battery life of the Watch, the Compass Mode includes a Standby Mode.
- The Watch will switch to the Standby Mode automatically if NO key-stroke has been activated for 1 minute during the Compass Mode.
- In the Standby Mode, press any button except the [Light] button once to return to Compass Mode.

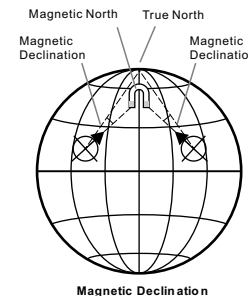
11.0 Compass Mode - The Precautions



The Precautions when Using the Compass Mode

- Keep the Watch away from magnets or the appliances that contain magnetic fields such as mobile phones, speakers, motors and etc.
- This Watch, like most magnetic compass, points to the magnetic north which is slightly different from the true north. Check the 'What is Magnetic Declination' section for more detail on declination.
- Perform the compass calibration on the following conditions:
 - 1) Use the Watch the first time,
 - 2) When the magnetic distortion icon 'DIST' indicator is flashing,
 - 3) The battery has been replaced, and
 - 4) Use the Watch on a location where is apart from the place in which the compass had been calibrated.
- To achieve an accurate result, you should avoid measuring a direction under the following conditions:
 - 1) The watch is close to magnetic or metal objects,
 - 2) The watch is close to electrical appliances, and
 - 3) The watch is inside a moving object or a ferroconcrete building.

11.2 Compass Mode - Magnetic Declination



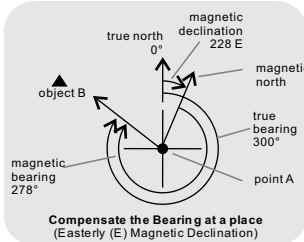
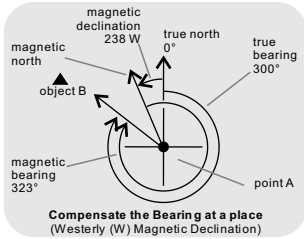
What is Magnetic Declination

- The Magnetic North Pole which is slightly different from the True North Pole. This Watch, like most magnetic compass, points to the Magnetic North Pole. But, everything measure from a map is related to the True North Pole.
- The angular difference between Magnetic North Pole and True North Pole is called magnetic declination. Its amount (degrees and minutes) and direction (easterly and westerly) depend on where you are.
- For serious compass user or who intends to perform accurate navigation, compass must be adjusted to compensate of magnetic declination. This Watch also includes a compensation setting for Magnetic Declination. Check the coming 'Calibrating the Compass' section for more detail of the setting.

Magnetic Declination Information

- Most topographic maps shown magnetic north pole and or the magnetic declination information. This manual includes the magnetic declination information for the major cities over the world. Check the 'Magnetic Declination at Major Cities' section for more detail.
- For those cities whose names are not included in the list, you may refer to the links below (as at 28 Aug 2004):
 - 1) http://www.geolab.nrcan.gc.ca/geomag/mirp_e.shtml
 - 2) <http://www.ngdc.noaa.gov/seg/geomag/declination.shtml>
- Get the location's latitude and longitude before using the link.

11.3 Compass Mode - Magnetic Declination Compensation



Magnetic Declination Compensation

- Compensate an object's bearing by subtract westerly (W) magnetic declination or add easterly (E) magnetic declination with the magnetic bearing.

Example 1

- Westerly magnetic declination (W): 23°; the magnetic bearing (MB): 323°.

- The true bearing (TB) = 323° (MB) - 23° (W) = 300°

Example 2

- Easterly magnetic declination (E): 22°8'; the magnetic bearing (MB): 278°.

- The true bearing (TB) = 278°(MB) + 22°(E) = 300°

- This Watch will compensate the compass bearing wherever the magnetic declination is either Westerly (-ve) declination or Easterly declination (+ve) automatically, if the user input the magnetic declination angle of the city which close to the user's current location into the watch at the Magnetic Declination Setting Mode

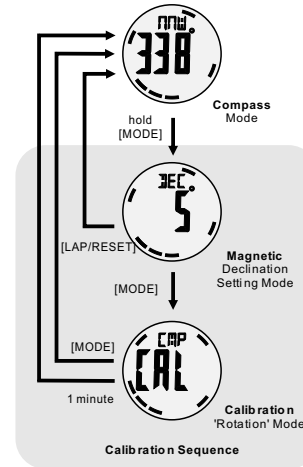
- Check the 'Calibrating the Compass' section for more detail of the calibration.

11.4 Compass Mode - Magnetic Declination at Major Cities

No.	Country/Place	Major City	Declination	No.	Country/Place	Major City	Declination
1	Afghanistan	Kabul	+3E	33	Netherlands	Amsterdam	+0E
2	Australia	Canberra	+12E	34	New Zealand	Wellington	+22E
3	Austria	Vienna	+3E	35	Norway	Oslo	+2E
4	Bahrain	Manama	+2E	36	Pakistan	Islamabad	+2E
5	Bangladesh	Dhaka	+0E	37	Philippines	Manila	-1W
6	Belgium	Brussels	+0E	38	Portugal	Lisbon	-3W
7	Brazil	Brasilia	-21W	39	Russia	Moscow	+10E
8	Canada	Ottawa	-14W	40	Singapore	Singapore	+0E
9	Chile	Santiago	+3E	41	South Africa	Cape Town	-24W
10	China	Beijing	-6W	42	Spain	Madrid	-2W
11	China	Hong Kong	-2W	43	Sweden	Stockholm	+5E
12	Costa Rica	San Jose	-1W	44	Switzerland	Bern	+1E
13	Cuba	Havana	-4W	45	Taiwan	Tai-pei	-4W
14	Czech Republic	Prague	+3E	46	Thailand	Bangkok	-1W
15	Denmark	Copenhagen	+3E	47	UAE	Abu Dhabi	+2E
16	Egypt	Cairo	+4E	48	United Kingdom	London	-2W
17	Finland	Helsinki	+8E	49	United States	Washington, DC	-11W
18	France	Paris	-1W	50	United States	Juneau	+22E
19	Germany	Berlin	+3E	51	United States	Phoenix	+11E
20	Greece	Athens	+4E	52	United States	Little Rock	+1E
21	Hungary	Budapest	+4E	53	United States	Sacramento	+14E
22	India	New Delhi	+1E	54	United States	Denver	+9E
23	Indonesia	Jakarta	+1E	55	United States	Atlanta	-4W
24	Israel	Jerusalem	+4E	56	United States	Honolulu	+10E
25	Italy	Rome	+2E	57	United States	Boston	-15W
26	Japan	Tokyo	-7W	58	United States	Saint Paul	+1E
27	Jordan	Amman	+4E	59	United States	Jackson	+0E
28	Kenya	Nairobi	+0E	60	United States	Santa Fe	+9E
29	Korea	Seoul	-8W	61	United States	Oklahoma City	+5E
30	Malaysia	Kuala Lumpur	+0E	62	United States	Salem	+16E
31	Mexico	Mexico City	+6E	63	United States	Harrisburg	-11W
32	Nepal	Kathmandu	+0E	64	United States	Salt Lake City	+12E

NOTE: Since magnetic declination will be changed as going with time, recommend to check the update data from following site:
<http://www.magnetic-declination.com/> & <http://www.ngdc.noaa.gov/geomagmodels/Declination.jsp>

11.5 Compass Mode - Before the Compass Calibration



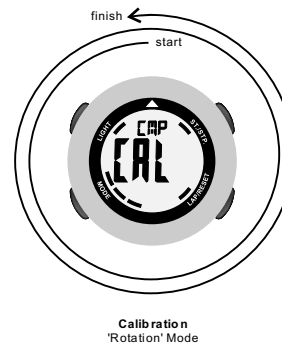
Before the Compass Calibration

- Perform the compass calibration on the following conditions:
 - 1) Use the Watch the first time,
 - 2) When the 'DIST' indicator is flashing,
 - 3) The battery has been replaced, and
 - 4) Use the compass in a location where is apart from the place in which the compass had been calibrated.

IMPORTANT: If the watch has NOT been calibrated, the direction reading may be inaccurate.

- Check the 'Magnetic Declination at Major Cities' section to get the magnetic declination of the city which is close to your current location, because such angle will be inputted into the Watch during the calibration.

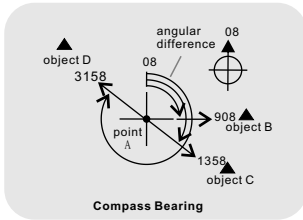
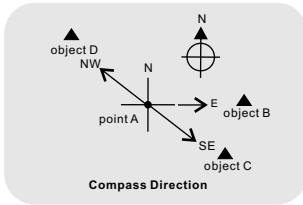
11.6 Compass Mode - Calibrating the Compass



To Calibrate the Compass

- To select Magnetic Declination Setting Mode, hold down the [MODE] button for 2 seconds in the Compass Mode.
- Once it gets into the Setting Mode, the 'DEC' indicator will be appeared on the 1st row of the display. When the digit start flashing, press the [ST./STP.] button to set magnetic declination (from -90 to 90) until the desire angle appeared.
- When the magnetic declination has been set, press the [MODE] button to go to the Calibration 'Rotation' Mode.
- Once it gets into the 'Rotation' Mode, the 'CAL' indicator will be appeared on 1st row of the display and the north pole pointer starts moving.
- Hold the Watch on a flat surface which is parallel to the horizon, then steadily rotate the Watch anticlockwise and keep the pointer towards the same direction during the rotation.
- When the rotation (two turns) is completed, press the [MODE] button to return to Compass Mode.

11.7 Compass Mode - Compass Direction and Bearing



To define the Direction of an Object

- The direction of an object (from a point) can be specified in term of either compass direction or compass bearing.
- This Watch provides both compass direction and compass bearing.

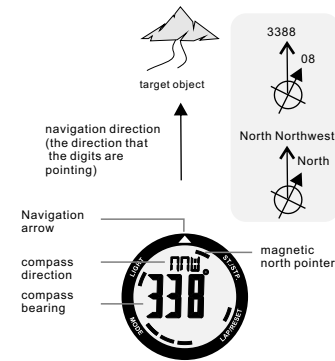
The Compass Points

- The compass directions are North, Northeast, East, Southeast, South, Southwest, West and Northwest, and etc.
- For the examples in the adjacent diagram, the compass direction of object B from point A is East. The compass direction of object C from point A is Southeast.

The Compass Bearing

- The digital bearing direction of an object is defined as the angular difference between North and the object. (Assuming that 08 for North, and the measuring range is from 08 to 3598)
- For the examples in the adjacent diagram, the compass bearing of object B from point A is 908. The compass bearing of object C from point A is 1358. The compass bearing of object D from point A is 3158.

11.9 Compass Mode - Measure Compass Directions



Measure Compass Directions

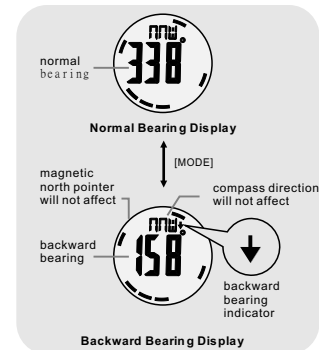
To Take a compass measurement

- When taking a compass measurement, make sure that the Watch is parallel to the horizon.
- IMPORTANT:** If the watch does not parallel to the horizon when taking a measurement, the result may be inaccurate.
- Turn the Watch until the navigation arrow is pointing to the direction of the way which intends to go or pointing to the target object's direction. Then, press the [LAP/RESET] button to select the Compass Mode.
- The compass direction and the compass bearing of the target object will be exhibited on the 1st and 2nd row of the display respectively. The bar graph pointer will point to the direction of magnetic north.

11.8 Compass Mode - Compass Direction versus Compass Bearing

Marks	Compass Direction	Compass Bearing
N	North	348.758 to 11.258
NNE	North Northeast	11.258 to 33.758
NE	Northeast	33.758 to 56.258
ENE	East Northeast	56.258 to 78.758
E	East	78.758 to 101.258
ESE	East Southeast	101.258 to 123.758
SE	Southeast	123.758 to 146.258
SSE	South Southeast	146.258 to 168.758
S	South	168.758 to 191.258
SSW	South Southwest	191.258 to 213.758
SW	Southwest	213.758 to 236.258
WSW	West Southwest	236.258 to 258.758
W	West	258.758 to 281.258
WNW	West Northwest	281.258 to 303.758
NW	Northwest	303.758 to 326.258
NNW	North Northwest	326.258 to 348.758

11.10 Compass Mode - Backward Bearing Direction



Backward Bearing Directions

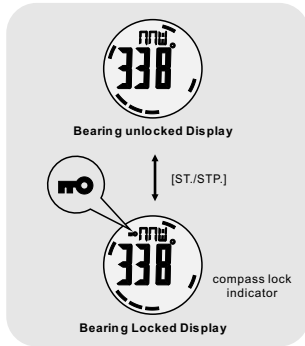
- The Watch provides backward bearing direction of an object.
- The backward bearing direction is the bearing direction that on the opposite direction from normal bearing direction.
- When the 'Backward Bearing' indicator is appeared, the Watch will exhibit the backward bearing direction of the direction which the watch is now pointing.

NOTE: In Backward Bearing Compass Mode, the magnetic north pointer and the compass direction will keep exhibit the normal bearing readouts.

To Select Normal Bearing and Backward Bearing

- Press the [mode] button to select between normal and backward bearing directions, in the Compass Mode.
- The backward bearing will be returned to normal bearing automatically when the following conditions is fulfilled:
 - 1) the Watch changing to standby Mode.
 - 2) the Watch changing to Current Time Mode.

11.11 Compass Mode - Compass Lock



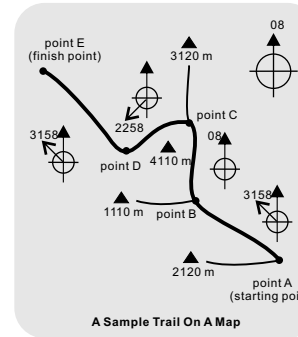
Compass Lock

- This Watch provides a compass lock function to secure important compass reading.
- When the compass lock indicator 'no' is exhibited, the compass reading will not be changed even the watch is pointing to another object.

To Lock/Unlock the Compass Lock

- Press the [ST./STP.] button to lock/unlock the compass readings in the Compass Mode.
- The compass lock will be unlocked automatically when the following conditions is fulfilled:
 - The Watch is changing to standby mode.
 - The Watch is changing to Current Time Mode.

11.13 Compass Mode - Application of the Compass II



To Check the Track Course Correct

- When hiking on a trail, this Watch can keep the trail course correct.
- For the example in the adjacent diagram, the correct trail is running from point A to point E.

Before the Hiking

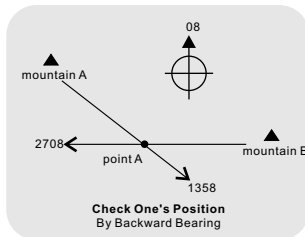
- Before the hiking, mark the turning points of the trail on the map such as the point A, B, C, D and E. Using a protractor to check out the compass bearings of these markings as follows:
 - Point B from point A (3158),
 - Point C from point B (08),
 - Point D from point C (2258), and
 - Point E from point D (3158).

During the Hiking

- Using the Watch to take the navigation direction at the turning points.

IMPORTANT: If you doubt of the conditions and directions of the trail, consult the park office before starting your hiking.

11.12 Compass Mode - Application of the Compass I



Check the Current Position by Backward Bearing

- This Watch can be used to check the current position in outdoor by using backward bearing:
 - Locate two distant and identifiable landmarks from the current position, for the example in the adjacent diagram, the two landmarks are mountain A and B.
 - Consult a map to find out the mountain A and B's locations on the map.
 - Using the Watch to check out the backward bearings of mountain A and B from the current position, such as 1358 for mountain A and 2708 for mountain B.
 - Use protractor and ruler to draw the line 1358 and lines 2708 on the map which starting from the mountain A and B respectively.
 - The current position will be at the intersection point (point A) of the lines 1358 and 2708.

12.0 Specifications

Current Time Mode

- Time System: AM, PM, Hour, minute, second, and display with bar graph animation at the rate of 1 second
- Time Format: 12-hour or 24-hour format
- Calendar: Month, date and day of week display (Auto-Calendar function for leap year and day of week)

Alarm Mode

- Daily alarm and hourly chime
- Alarm sound: 30 seconds

Chronograph Mode

- Resolution: 1/100 second
- Measuring Range: 99 hours 59 minutes 59.99 seconds
- Lap memory: 1 lap memory

Countdown Timer

- Resolution: 1 second
- Measuring Range: 99 hours 59 minutes 59 seconds
- Timer Sounds: beep once at 5,4,3,2,1 second(s). Long beep when reach zero.

Pacer Mode

- Setting Range: 40 bpm to 180 bpm
- Setting step: 5 bpm

Dual Time Mode

- Time System: AM, PM, Hour, minute, second, and display with bar graph animation at the rate of 1 second

Compass Mode

- Compass bearing Resolution: 18
- Magnetic North Pole Pointer: 16 pointers
- Compass direction: 16 directions
- Compass bearing Display Range: 08 to 3598
- Others: Digital bearing reading Lock and Digital backward bearing

Back Light

- Back Light Type: Electro-Luminescent (EL) back light

Battery

- Battery Type: 3V lithium
- Battery model: CR2032
- Battery in use: 1 piece