

## ***Auriol LCD sports watch with altimeter and compass***

### LCD sports watch with altimeter and compass

#### Instruction manual

##### Display symbols

	Heading direction
	Alarm ON/OFF
	Alarm and snooze function
	Low battery
<b>COMP</b>	Compass mode
<b>ALTI</b>	Altimeter mode
<b>TIME</b>	Time mode
<b>PM</b>	Afternoon
<b>°C</b>	Temperature in Celsius
<b>°F</b>	Temperature in Fahrenheit
<b>MAX</b>	Maximum memory
<b>MIN</b>	Minimum memory



**ATTENTION: Button C is a push button only. Please do not pull on or twist the button.**

#### ***Instruction manual***

##### **Safety notes**

This electronic appliance must be protected from water\* and other hazards. It is not a toy and children should not use it unsupervised.

\* Splash proof if worn on wrist.

##### **Selection of M/Ft (meters/feet) distance format**

After all display segments have activated the "M" symbol on the display will begin to blink. Set the format (M=meters/Ft=feet) by pressing C; confirm your setting by pressing A.

##### **Selection of temperature format °C/°F**

After setting the distance format the "C" Symbol on the display will begin to blink. Set the format (°C=Celsius / °F=Fahrenheit) by pressing C; confirm your setting by pressing A.

##### **Time setting**

After setting the temperature format the symbol for 24h time display mode "24H" will begin to blink on the display. Set the format to 12H or 24H by pressing C. Confirm your setting by pressing A. Now the hours will begin to blink on the display. Press C to set the time in hours; subsequently press A to confirm your setting. After setting the time in hours the minutes will begin to blink. Press C to set the time in minutes; subsequently press A to confirm your setting. Repeat this process to set the weekday, the month and the day.

##### **Back light**

Press B to activate the back light.

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### **Alarm with snooze function**

To set the alarm time press and hold A in normal time mode until the hour display for the alarm begins to blink on the display. Press C to set the hours: press A to confirm your setting. After setting the time in hours the minute display will begin to blink. Press C to set the minutes; press A to confirm your setting. Immediately after setting the alarm time the alarm may be activated or deactivated by pressing C. The T and Zz symbols indicate that the alarm is activated. Confirm your setting by pressing A. The alarm will sound 3 times in 5 minute intervals for 30 seconds. During the snooze time the Zz symbol will blink on the display. To view the set alarm time press A in normal time mode to alternate between the alarm time and the date.

### **Temperature memory recall and reset**

Press C in normal time mode to access the stored maximum and minimum temperature values. The temperature memory may be reset by pressing A immediately upon access.

### **Entering the different modes**

Repeatedly press D to access the different modes of operation. The 3 modes are accessed in the following order: time mode (TIME). altimeter mode (Auri), compass mode (comp) and then back to time mode (TIME).

### **Digital altimeter (-500m to 9000m or -1600 feet to 29500 feet)**

To minimize the effects of air pressure fluctuations the altimeter should always be checked / adjusted when at a location with a known altitude (for example at sea level).

### **Setting**

Press D to enter altimeter mode (Alti). The altitude above or below sea level is shown on the display. To adjust the altitude press C to enter Trip Timer mode **7f**. Should the timer already be running, press A to stop the timer. Press and hold A until the ▲ or ▼ symbol begins to blink. Press C to choose the upwards distance counter ▲ or the downwards distance counter ▼. For an ascent choose the upwards distance counter; for a descent choose the downwards distance counter. Press A to confirm your setting; the first digit of the altitude display will begin to blink. Press C to set the first digit and confirm your setting by pressing A. Repeat the process until the desired altitude is set. To reset the altitude to sea level, press and hold A until 0.0 appears on the display.

### **Ascent or descent (trip)**

Before beginning your ascent or descent, enter Trip Timer mode **7f** by pressing C. Press A to start the timer. The timer can be stopped and restarted at any time by pressing A. The current rate of ascent or descent will appear in the upper part of the display. Press C to enter the different functions **7f** (Trip-Timer), d (total altitude gain or loss) and **A5** (average ascent or descent speed). To reset (set to zero) the current trip information, first enter Trip Timer Mode **7f** by pressing C. Press A to stop the timer and then press and hold A for 3 seconds to reset the data.

If the height above sea level does not change more than 2.5 meters within 5 minutes, the altimeter will enter energy saving mode. In energy saving mode the height above sea level will only be measured once per minute. If the height changes more than 5 meters within 1 Minute the watch will exit energy saving mode and the altitude will be measured once every 2 seconds. Energy saving mode can also be exited by pressing any button.

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### **Digital Compass**

Press D to switch to compass mode (COMP). For precise measurements hold the compass level to the ground pointing in the direction of ▲. The compass shows direction in 3 ways:

1. Precise direction with ▲ in degrees,
2. and cardinal readout e.g. South-East (SE) 135°
3. Precise direction of north (■ ■ ■), south (■ ■ ■), east (■) and west (■) on the outer ring.

To conserve battery power the compass will stop directional measurements 1 minute after the display appears. Press A to repeat the directional measurement.

These dots represent the needle of a conventional compass:



Example: finding north The symbol (■ ■ ■) can be regarded as the tip of an imaginary needle pointing towards north. The Symbol (■ ■ ■) represents the "tail" end of the needle pointing towards south. Regardless of the orientation of the compass. north and south is always easily identified with the symbols (■ ■ ■) and (■ ■ ■).

### **Calibrating the compass and environmental interference**

All compasses, including digital units, use the earth's magnetic field and are sensitive to environmental interference. Distortions of the magnetic field may be caused by various sources such as large metal objects, electrical appliances, computers, transformers and high-voltage power lines. To achieve precise measurements the compass should be calibrated if: (1) the error message "Err" (for magnetic distortions) appears continuously. (2) the numeric readout in degrees is in error by more than 100 (3) the compass is used in a vehicle for the first time; in this case the magnetic distortions caused by the metallic parts of the vehicle must be compensated.

### **Calibrating the Compass**

Press D to enter the compass function (COMP). Press and hold A to enter calibration mode CAL. To start the calibration press C. The outer ring will on the display will be shown and will slowly turn. Place the watch on a flat, level surface (keep away from metal objects, electrical appliances, computers and high-voltage power lines). Turn the watch slowly in clockwise direction until you have completed two complete 360° turns. The turns do not need to be perfect but both turns must be completed in the same direction. Each turn must not last longer than 60 seconds and not less than 20 seconds. Complete the calibration procedure by pressing C.

Incorrect calibration can result in erroneous readings from the compass. Perform a new calibration if the readings seem incorrect.

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### **Entering the declination angle for true north**

The magnetic declination at any point on the Earth is the angle between the local magnetic field the direction the north end of a compass points -- and true north. The local declination is given on the map margin as either east declination (plus) or west declination (minus). When navigating, the plus declination must subtracted from and the minus declination added to the direction on the map. To enter the declination press D to enter the compass function (**comp**). Press and hold A to enter calibration mode CAL. Press A again to reach the setting for declination "dEC". Upon reaching the setting for declination the letter "E" (for east) will begin to flash on the display. Press C to choose E or W (west) declination and press A to confirm your choice. The declination value in degrees will blink on the display. Press C to enter the value and press A to confirm your choice. The declination value entered into the watch will influence the reading on the compass and needs to be activated ("On") by pressing C. Press A to confirm.

The following example shows the effect of the declination setting: The direction shown is N10° (10 degrees north). - If an east adjustment of 30 degrees is entered the current direction will change to NE (north-east) 40 degrees. - If a west adjustment (W) of 30 degrees is entered the current direction will change to NW (north-west) 340 degrees.

### **Important Information**

#### **Compass**

The compass should not be used in the immediate vicinity of magnetic objects- for example other compasses. The compass should be recalibrated lithe error message "Err" appears continuously on the display. Hold the compass exactly horizontally to get a precise reading.

#### **Temperature**

The temperature shown is measured within the watch. Please note that your body temperature will therefore influence the reading. To correctly measure the temperature, take off the watch for 15 to 30 minutes. Avoid placing the watch in direct sunlight.

#### **Altimeter**

All altimeters (except GPS units) show the altitude by measuring the atmospheric pressure. Changes in local air pressure can therefore affect the altitude reading. Please check and readjust the altimeter when you are at a location of known altitude or at sea level.

#### **In case of errors**

Incorrect compass reading Incorrect calibration and changing external influences (for example a change of location) may affect the reading. Precisely follow the instructions on recalibrating the compass.

#### **Error message**

"Err" is shown when using the compass External magnetic influences (for example: metal objects, electrical appliances, computers and high-voltage power lines). Move to a different location or recalibrate the compass.

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### **Display becomes weaker or shows incorrect readings**

The batteries may have run down or the battery contact surface may have become corroded. Remove and reinsert the battery or insert a fresh battery.

### **Blackened display**

External temperature too high the watch may have been exposed to direct sunlight for an extended duration.

### **Display shows irregular digits**

Remove and reinsert the battery.