



Digital Compass

Article: CNS-DC3 Quick Guide v1.0

Package Contents

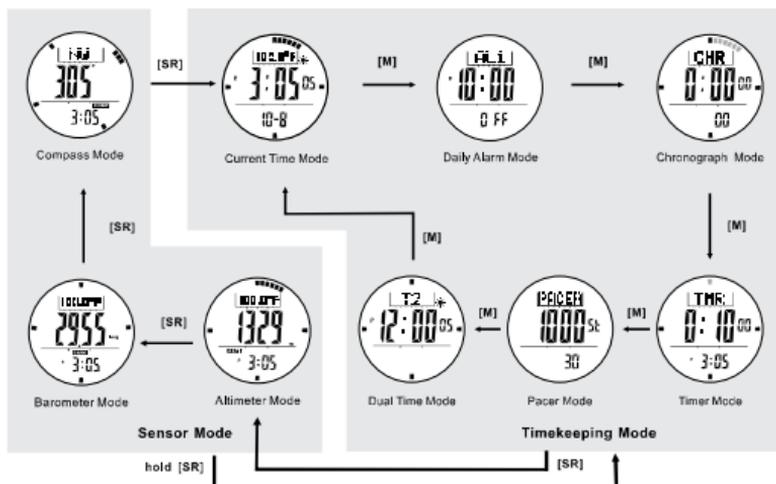
1. CANYON CNS-DC3 Main Unit
2. Documentation CD
3. User Quick Guide

Hardware Overview



Basic Operation

Press **[M]** and **[SR]** to cycle through 9 functional modes.



Current Time Mode

- Press **[S/S]** to toggle between different functional displays including Day of Week display, Temperature display, Altitude Tendency display, and Sea Level Pressure Tendency display
- The device provided 4 different symbols indicating the forecasted weather as shown.
- The feature only occurs in Current Time Mode and Dual Time Mode.

NOTE:

- It is highly recommended that the device to be kept at the same altitude for at least 24 hours to achieve higher accuracy predication.
- The device presents weather forecast function by adopting general weather forecasting principles. Dramatic weather changes within a very short period of time will not be reflected by device.

Daily Alarm Mode

- Press **[S/S]** to switch between daily alarm1, daily alarm2, and hourly chime display.
- Press **[L/R]** to switch daily alarms on/off at their displays respectively. A daily alarm indicator  will be displayed on the screen when daily alarm is switched on.
- Press **[L/R]** to switch hourly chime on/off at its display. An hourly chime indicator  will be displayed on the screen when hourly chime is switched on.

Chronograph Mode

- Upon entering, the Chronograph Mode indicator **CHR** will be displayed at the top of screen.
- The device measures elapsed time and current lap time.
- Press **[S/S]** to start counting. Press the button again to stop counting and the elapsed time will be displayed on the screen. Press the button the third time to resume counting.
- Press **[L/R]** while counting to display current lap time. Press the

button again to display next lap time. The lap time display will return to counting display automatically after 10 seconds.

- Press and hold **[L/R]** for 2 seconds to reset counter.
- During split time display, press and hold **[M]** to recall all lap times and total lap times accumulated.
- Press **[S/S]** and **[L/R]** to review each lap time and total lap times accumulated.
- Press and hold **[M]** to exit lap time display and back to chronograph display.

Timer Mode

- Upon entering, the Timer Mode indicator **TMR** will be displayed at the top of screen.
- Press **[L/R]** to cycle through quick set values of countdown timer. Press **[S/S]** to start countdown. The residual time will be displayed on the screen.
- Press **[S/S]** during count-down to pause. Press the button again to resume countdown.
- Press **[L/R]** to reset count-down timer to target time.

NOTE:

The device will beep once per minute when the timer reaches last 10 minutes, once every 10 seconds when timer reaches last one minute, and once every second in the last 5 seconds. It will also beep for another 30 second when timer reaches target time.

Pacer Mode

- Upon entering, the Pacer Mode indicator **PCR** will be displayed at the top of screen.
- Press **[S/S]** to generate beeps at a pre-defined pacer rate. Press the button again to stop.
- The step counter increases one counter per beep.
- Press and hold **[L/R]** to reset step counter. During Pacer Mode, press

[M] to select Chronograph Mode.

- At Chronograph Mode, press **[S/S]** to start counting and beeping simultaneously. Press the button again to stop counting and beeping.

Dual Time Mode

- Press and hold **[M]** for 2 seconds to enter Settings Mode.
- Press **[M]** to shift through different digits. Press **[S/S]** and **[L/R]** to adjust values.
- Press **[M]** to save modified settings and exit Settings Mode.

Altimeter Mode

- Press **[SR]** anytime during main menu to cycle through Altimeter Mode, Barometer Mode, and Compass Mode.
- At the device screen display during Altimeter Mode, 1 of 2 Altimeter functions, temperature or history, will be displayed at the top row.
- Current (history) altitude and the current (history) time are displayed at the middle row and bottom row of the display respectively.

NOTE:

To obtain more accurate readings, please keep the device away from body which will minimize effect of body heat.

- Press and hold **[L/R]** to obtain immediate readings. The temperature is displayed in degree Celsius ($^{\circ}\text{C}$) or degree Fahrenheit ($^{\circ}\text{F}$).
- The device automatically records the altitude reading every 60 minutes and plots the data into an altitude bar graph as History display.
- Press **[L/R]** to review altitude records and their recording time of the last 23 hours in order. Press **[S/S]** to switch between measurement units including altitude units meter(m)/feet(ft) and temperature units ($^{\circ}\text{C}$)/ ($^{\circ}\text{F}$).
- There are 4 methods to adjust/ calibrate altimeter functions including Zero Altitude, Absolute Altitude, Sea Level Pressure and Factory Default Adjustment. Please refer to user manual for more details.

Barometer Mode

- Press **[SR]** anytime during main menu to cycle through Altimeter Mode, Barometer Mode, and Compass Mode.
- At the device screen display during Altimeter Mode, press **[S/S]** to cycle through 3 Barometer functions including temperature, Sea Level Pressure, and history displayed at the top row.
- Current (history) pressure and the current (history) time are displayed at the middle row and bottom row of the display respectively.

NOTE:

To obtain more accurate readings, please keep the device away from body which will minimize effect of body heat.

- Press and hold **[L/R]** to obtain immediate readings. The temperature is displayed in degree Celsius ($^{\circ}\text{C}$) or degree Fahrenheit ($^{\circ}\text{F}$).
- The device automatically records the pressure reading every 60 minutes and plots the data into a pressure bar graph as History display.
- Press **[L/R]** to review pressure records and their recording time of the last 23 hours in order. Press **[S/S]** to switch between measurement units including pressure units (mb/hPa)/(inHg) and temperature units ($^{\circ}\text{C}$)/ ($^{\circ}\text{F}$).
- There are 2 methods to adjust/ calibrate barometer functions including Absolute Pressure and Factory Default Adjustment. Please refer to user manual for more details.

Compass Mode

Precautions:

- Please keep the device away from all magnets or appliances that generate magnetic fields such as mobile phones, speakers, motors, etc.
- The device, like most magnetic compass, points to the magnetic

North which is slightly different from the true North. Please refer to section below for more details.

- Please perform compass calibration under the following conditions:
 1. Using the device for the first time.
 2. When the magnetic distortion icon **OFF CAL** indicator is flashing.
 3. After battery replacement.
 4. When the device was calibrated at a distanced location.
 - To acquire a more accurate measurement, please avoid using the device under the following conditions:
 1. When the device is in vicinity of magnets or magnetized objects.
 2. When the device is in vicinity of electrical appliances.
 3. When the device is inside a moving object or a reinforced concrete building.
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- Turn the device until the navigation arrow is pointing at the direction of desired object for measurement.
 - Press **[L/R]** to enter Compass mode and to display corresponding compass direction and compass bearing.
 - The bar graph pointer will be pointing at the direction of magnetic North.
 - Press **[S/S]** to toggle display of normal/backward bearing directions of current object.
 - The backward bearing indicator  will be displayed at top of screen.
 - The backward bearing will return to normal bearing automatically once the device enters standby mode or manually switched back to Current Time Mode.
 - Press **[L/R]** to fix/release current compass readings.
 - The compass lock indicator  will be displayed at the top of screen.
 - The compass lock will be released automatically once the device enters IDLE mode or manually switched back to Current Time Mode.