



905



User Manual

NM-709.1

www.newbalance-watch.com

Design of the Watch

Thank you for purchasing this watch. Please read this manual thoroughly before using the watch!

[E/V] EL / View Button

- To turn on the EL back light for about 3 seconds except Workout Mode and Recall Mode.
- Hold down to turn on the backlight for 3 seconds in Workout Mode and Recall Mode.
- To select different sub-functional displays in the Workout Mode.

FM1 Mode Button

- To select among function modes: Home Time, Workout, Recall, Daily alarm, Countdown timer and Dual time.
- Hold down to select/exit setting display in the following modes: Home Time, Workout, Daily alarm, Countdown timer and Dual time.
- To select among different setting items in setting mode.



[S/L] Start / Lap Button

- To start the counting in Workout Mode and Countdown Timer Mode
- To take lap records when chronograph is running.
- To increase the setting value during setting display.

[S/R] Stop / Reset Button

- To stop the counting in Workout Mode and Countdown Timer Mode.
- To reset counting in Workout Mode and Countdown Timer Mode.
- To select among different information display in Recall Mode.
- To decrease the setting value during setting display.

Time Mode

- Time System: am, pm, hour, minute, second
- · Time Format: 12-hour or 24-hour format
- · Calendar Range: 2000~2099

Alarm Mode

- · Daily alarm and hourly chime
- Alarm Sound: 30 seconds

Workout Mode

- Heart rate measuring range: 30 to 240 bpm.
- Heart Rate Alert Zone:
 Pre-defined and Luser defined.
- Auto-calibration or manual input of stride length.
- Above / below heart rate zone alert
- Workout Timer: Max 23H59M59S
- Distance: 99.99 km / 63.13 mile
- Step: Max 99.999
- · Calorie: Max 9.999 kcal
- Tilt to turn on the backlight when workout is running

Recall Mode

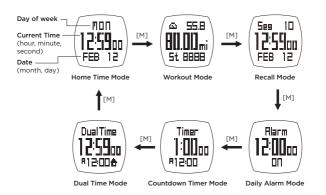
- Store up to 10 segments and up to 100 lap records
- Each Segment summary contains: time stamp, total lap no., workout time, average pace, calorie consumption, distance, average speed, max HR, average HR, step and above/in/below zone timer
- Each Lap Record contains: split time, lap time, distance, average pace, average HR and average speed within the lap
- · Odometer function

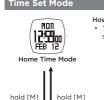
Timer Mode

- · Resolution: 1 second
- · Measuring range: 23H59M59S

Others

- Back Light Type: Electro-Luminescent (EL) back light
- · 10 LCD level contrasts adjustable
- · Metric / Imperial unit selectable
- 5 ATM water resistance

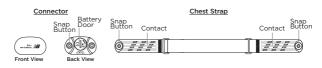




How to Select a Time Set

- . To select Time Setting Mode, hold down [M] for about 2 seconds in Home Time Mode.
 - · Press [M] to move the selection among these 16 settings refer to the below diagram.
 - · Press [S/L] or [S/R] to adjust the value.
 - · Hold down [M] to exit the Time Setting Mode.
 - · Chime-when this function is on, audible sound will be heard at zero minute hourly.
 - . Beep-when this function is on, audible sound will be heard as key is pressed.





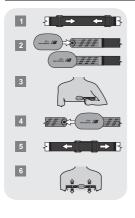
Heart Rate Features • This Watch includes a Chest Strap with connector, thus the Watch can provide a

continuous supply of heart rate data like current heart rate, average heart rate and maximum heart rate to user for guiding them to achieve their fitness goal.

Precautions / Tips

- The silicon rubber section on the Chest Strap acts as the contacts. They must be firmly contacted with the user's skin during measurement.
- DO NOT take heart rate measurement when diving or under water.
- Clean the contacts occasionally by applying a few drops of water, and wipe it dry with a paper towel to remove any residual grease.
- . DO NOT use hand cream; it will insulate the signal between the skin and the contacts.
- Clean your skin with soap and water for better signal transmission.
- For those with extremely dry skin, apply some conductive gel or water may help.
- Adjust the Chest Strap with the buckles until it holds on your chest firmly to avoid it loosen when doing exercise.
- Avoid doing any awkward motion during measurment, otherwise error may be resulted.

5 1 Workout Mode - Wearing the chest strap



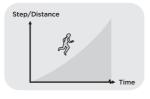
How to Wear the Chest Strap

- Refer to the below steps to wear the Chest Strap on one's chest:
 - Loosen the buckles on the back of the Chest Strap to allow easier fitting on your chest.
 - 2) Use one of the snap buttons to attach the connector to one side of the strap.3) Hold the Chest Strap around your
 - chest with one hand.
 4) Snap the remaining button to attach
 - the connector fully on the strap.

 5) Adjust the buckles until it fits on your
 - chest comfortably.

 6) Adjust the Chest Strap until the two contacts are firmly contacted with your skin.

IMPORTANT: DO NOT wearing the Chest Strap over your clothes, otherwise it CANNOT get the heart rate signal.

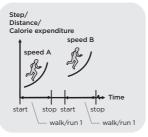


Tips to achieve a Healthier Lifestyle

- · The below are the general guide for achieving a healthier lifestyle:
 - · Take enough sleep.
 - · Make social connection.
 - · Do more exercise. · Take a daily walk, and
 - · Fat balanced diet.

How to Increase Walking Time

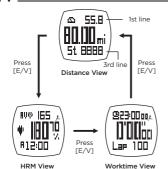
- · It is suggested that walking could make contribution to health. Some tips which would increase your walking time:
 - · Walk to your office by getting off the bus earlier or park your car farther away from your office.
 - · Establish a walking habit every dav.
 - · Walk with some soft music or friends
 - · Set up a goal (How many km within a week) for your walking.



Pedometer Features

- This Watch provides some advance pedometer features to guide user to achieve his/her fitness goals.
- The information includes distance, speed, workout time and calorie expenditure for walking or running. The data can be read instantly or saved into a record to recall later

5.4 Workout Mode

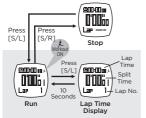


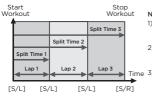
Workout Mode

Under Workout Mode, users can select the following sub-functions by pressing [E/V] button:

- Distance view
- HRM view · Worktime view

The 1st and 3rd line display can be customised by user, refer to chapter 5.71 for the selection





How to Turn ON/OFF the Workout Function

- Five seconds after Workout Mode is selected, the Heart Rate function will start automatically even the workout function has not been turned ON yet.
- Press [S/L] to turn on the workout function.
 When workout function is turned ON Å.
- The Heart Rate measurement will be STOPPED automatically if NO 'heart rate' is detected for 5 minutes.
- · Press [S/L] can make a lap record.

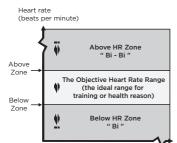
workout data will be updated.

 When workout is finished, press [S/R] to turn off the workout. Hold [S/R] to reset the current workout and saved into recall mode.

NOTE:

- The Chest Strap/Watch MUST be worn on the user's chest/wrist properly before having heart rate/pedometer measurement.
- User can use the Watch without the Chest Strap, then NO heart rate data will be recorded for that workout session.
- Time 3) When segment or lap memory is not available, the oldest segment will be deleted automatically to spare memory.

Workout Mode - Heart Rate Alert



The Objective Heart Rate Range (the ideal range for training or health reason)

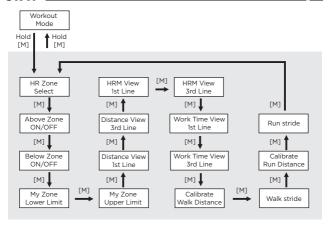
WARNING: Consult a doctor or trainer to decide the range prior to undergo a professional Cardio-fitness training.

- The Heart Rate Alert is a supplementary feature of the Heart Rate Measurement function. This feature can be set up by defining an objective heart rate range, and hence, the Watch will alert the user when he/she gets a heart rate measurement out of range.
- In order to hear an audible alert for the above and below zones, zone alert option shall be turned on. (refer to 5.7.1)

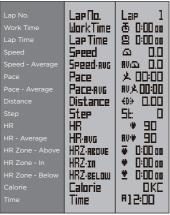
How to Acquire the Objective Heart Rate Range

- The objective heart rate range is the region binds by the upper and lower heart rate limits. These limits must be set according to different application and on one's own health condition.
- These limits can be obtained by the following:
 - Get these two limits by consulting a doctor or trainer.
 - 2) Get these two limits by %EMHR

5.7.1 Workout Mode - Setting Sequence



5.7.2 Workout Mode - Setting Sequence



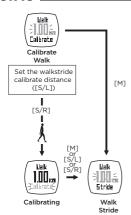
To Set the Workout Mode

 Press and hold the [M] button under Workout Mode to select the 'Setting' display.

The Setting Sequence

- If one of the settings is flashing, press the [S/L] or [S/R] button to change the value (hold the button to change the value at a faster pace).
- To calibrate 'Walk' and 'Run' stride, see next chapter for details.
- Above HR Zone and Below HR Zone can refer to 5.6 for more details
- The adjacent figure shows the selection of 1st and 3rd line display.

5 7 3 Workout Mode - Setting Mode - Walk and Run stride



Walk and Run Stride

walk/run stride.

- To get the accurate walk and run speed and distance calculation, user need to enter their personal walk and run stride.
- User can enter their personal walk and run stride by selecting automatic or manual calculation.

To set the Walk and Run Stride automatically

- Select 'Calibrate walk/run distance' setting under workout setting mode.
- Input the known distance by pressing [S/L].
- Press [S/R] to start calibrating.
- User start to walk or run for the specific distance.
 When the user reaches, press any key to finish
- calibration.

 The watch will automatically calculate the

To set the Walk and Run Stride manually

- Select 'Calibrate walk/run stride' setting under workout setting mode.
- Press [M] to enter 'Walk Stride' or 'Run Stride' display
 - When the digit is flashing, press [S/L] or [S/R] to enter the value of the stride.







- If your Chest Strap stops transmitting heart rate signal to your watch (NO heart rate reading show on the Watch), it might be due to low battery in the Chest Strap.
- We recommend that you have the battery replaced by an authorized service agency.

How to Replace the Battery for the Chest Strap

- Nevertheless, you can still change the battery of the Chest Strap by following the instructions:
 - Turn the cover counterclockwise with a coin so that the vertical slot on the cover turns from the right mark to the left mark
 - 2. Turn the cover further gently to pop it out.
 - 3. Put aside the battery cover.
 - 4. Remove the exhausted battery.
 - Replace with a new battery with the (+) sign facing up.
 - IMPORTANT: Make sure that the sealing rubber o-ring is placed correctly in its slot before the battery cover is replaced.
 - Put the battery cover back with the vertical slot on the cover points to left mark, and then press the cover down gently until it is on the same level with the case surface.
 - Turn the cover clockwise with a coin so that the vertical slot turns back to the right mark.

5.9 Workout Mode - Potential Causes for NO Heart Rate Reading or Long Response Time

Cause: Dry Skin.

Solution: Apply conductive gel or saliva thoroughly on chest area. Even water will help if conductive gel is not available.

2) Cause: Chest strap is not placed firmly over the chest.

Solution: Make sure the Chest Strap is placed firmly over the chest by adjusting the buckles.

Cause: Muscle tremors caused by holding the Chest strap too hard on your chest.

Solution: The silicon rubber sections must make firm contacts (but NOT too hard) with the user's skin during measurement. This will ensure good and consistent readings even during walking or jogging with arms swinging naturally.

4) Cause: Dead skin on chest.

Solution: Usually rubbing your skin with a towel will help.

Cause: A thin layer of body grease insulate the ECG signal which prevents the Chest Strap or Watch from picking up one's ECG.

Solution: Wipe chest and the back of the Chest Strap with a tissue or soft towel.

6) Cause: Hairy skin.

Solution: Apply conductive gel to chest area or wrist.

7) Cause: Irregular heartbeats.

Solution: N/A. It is difficult to consistently pick up a reading for those with irregular heartbeats. Inconsistent response times are expected for those with arrhythmia.

8) Cause: Low Battery.

Solution: It might be due to low battery level in the Chest Strap / watch. Replace the battery and try again.

9) Cause: Interference of other RF devices (Chest-Strap Measurement)

Solution: Stay away from the place where RF source potentially exist.

5.10 Workout Mode - Backlight Tilt Function

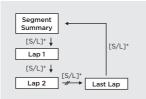


Backlight Tilt Function

 When workout is started, the backlight tilt function is activated. User simply turns his/her wrist toward him/herself to turn on the backlight for 3 seconds.



Turn your wrist to turn on the backlight



*Hold [S/L] to move backwards.

Segment 2

Segment 3

Recall Mode

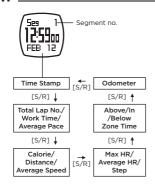
- User can review the Segment Session in details here.
 It can store up to 10 Segment
- Sessions with 100 Lap Records.

 Each segment contains
 Summary and Lap Record
- displays.
 Press [E/V] to select the
- Workout session.

 Press [S/L] to select the respective information as the
- · Hold [S/L] to move backwards.

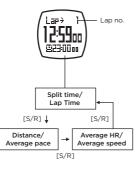
adiacent diagram.

6.1 Recall Mode - Summary Display



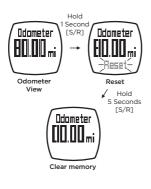
Summary Display

- User can review their workout summary of different Segment sessions.
- Press [S/R] to review the summary information as adjacent diagram.



Lap Record Display

- User can review the information of each lap
- Press [S/R] to review the lap information as adjacent diagram



- · Odometer is used to count the travelled distance until it is reset
- · Select the Odometer Session by pressing [S/R].
 - · Hold [S/R], display will show "Reset" and keep holding [S/R] button for more 5 seconds
- · Odometer Session will be cleared to zero



Alarm Mode





[S/L] or [S/R]

Increase / Decrease the value Minutes Setting

Hold

[S/L] or [S/R]

Scroll
the setting
faster

Daily Alarm Display

 In the Daily Alarm Display, Alarm Time (hours, minutes) appears on the 2nd line of the display.

Daily Alarm ON and OFF

When the Daily Alarm Indicator

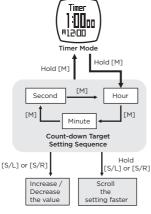
 \(\begin{align*} \pi \) appears (which means the daily alarm is ON), the watch starts beeping at the alarm time.

Daily Alarm Sound

- The alarm beeps for 30 seconds when the daily alarm function is turned ON
- You can stop the beeping by pressing any button.

Note:

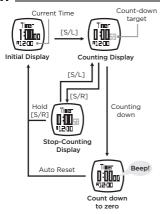
Alarm will be turned on automatically if any changes has been made to the setting



How to Set Count-down Target

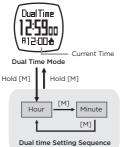
- In the Timer Mode, hold [M] to enter the Count-down Target setting display:
 - Press [M] to select 'hour', 'minute', or 'second' setting (flashing).
 Press [S/L] or [S/R] to change the
 - setting value (Hold [S/L] or [S/R] to change the setting value at a faster speed).
 - When the setting is completed, hold [M] to exit the setting display and return to the Timer Mode.
 - When no key is pressed for more than 1 minute, the watch will return to the Timer Mode automatically.

8_1 Timer Mode - Using the Countdown Timer



How to use Countdown timer

- Press [S/L] to start counting when the timer is stopped. Press [S/R] again to stop counting when the timer is running.
- The timer beeps once per minute at the last 10 minutes.
- It beeps once per 10 seconds at the last minute.
- It beeps every second when counting down to the last 5 seconds.
- When the timer reaches zero, it beeps for 30 seconds. After that it will reset to initial count-down target automatically.
- Press any key to turn off the beeping sound.
- When the timer is stopped, hold [S/R] for 2 seconds to reset the timer to the initial count-down target.



To Set the Dual time Mode

 To set Dual time mode, press and hold the [M] button under Dual Time Mode (the 'Hour' digits will start flashing)

The Setting Sequence

- When the 'Hour' digits start to flash, press the [M] button to move the flash following the sequence of the adjacent diagram.
- When one of the settings (hour, minute) is flashing, press the [S/L] or [S/R] button to scroll through the setting (hold down the button to scroll the setting at a faster pace).
- Press and hold the [M] button to exit the setting sequence.





Low Battery Detection

- When the low battery indicator ' appears on the display, it means that the capacity of the battery is low.
- However, if the low battery indicator appears because of using the Watch under very cold condition, the indicator will be disappeared when normal temperature returns.

NOTE: It is recommended to replace the battery by a certified service agency, because this Watch contains precise electronic sensors and components.

IMPORTANT: If the battery has been replaced, all memory will be cleared.

11 Care and Maintenance

- This watch contains electronic components. Never attempt to open the case or remove the back cover.
- Avoid exposing the watch to extreme temperature or chemicals which will damage the watch.
 Keep the watch away from the conditions of strong electric field and static
- electricity.
- Avoid rough usage or severe impact. The watch is designed to withstand impact under normal use.
- Clean your watch occasionally with a soft moistened cloth. Avoid using chemicals, especially soap as the waterproof gasket will corrode.
- · Store the watch in a dry place when it is not in use.

12 Precautions for Straps

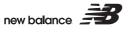
- · Exposure to water often makes a strap fragile and may soon tear.
- Don't apply perfume or moisturizers around your wrist as the chemicals may erode the metal, leather or plastic part of watch straps.
- The strap's condition will depend on the owner's wearing habits as well as the climate of the place where the person lives. An original replacement of straps is possible to be re-ordered through an authorized service center.
- PU straps are usually very hardwearing, please wash them with mild soapy water only.
- There may be discoloration for light color and transparent straps after normal wear for some time.
- In case there is any severe or persistent skin reaction, such as severe redness, itching, rash or hives, you should stop wearing this watch, and consult your doctor.

17 Precautions for Water Resistance

All New Balance watches are designed to with stand use as indicated on the below chart.

Indication	Water-related use		
Level of resistance	Light spray perspiration, light rain, etc	Bathing, etc	Swimming, etc
3 ATM (30 meters)	<i>≟</i> 3		
5 ATM (50 meters)	<i>≟</i> 3	<i>≟</i> 3	
10 ATM (100 meters)	<i>≩</i> 3	<i>≟</i> 3	<i>≩</i> 8

- · Water damage may occur if the push buttons are pressed under water.
- Should water or condensation appear in the watch, please check the watch immediately as corrosion of electronic parts can occur inside the case.



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