



TIMEX®

Digital Heart Rate Monitor

English	page 1
Français	page 69
Español	página 145
Português	página 221
Italiano	pagina 297
Deutsch	Seite 377
Nederlands	pagina 451

Table of Contents

- Overview1**
 - New Features1
 - A Fit Heart2
 - Watch Buttons3
 - INDIGLO® night-light with Night-Mode® feature4
 - Display Icons4
 - Resources5
 - Determining Your Optimal Heart Rate Zone7
- Heart Rate Monitor Setup and Use8**
 - To Prepare Your Heart Rate Monitor for First Use9
 - To Use Your Heart Rate Monitor10
 - NO HRM DATA Message11
- Time of Day12**
 - To Set or Adjust Time, Date, and Audibles13
 - To Switch Time Zones15
 - Heart Rate Data When Using Time of Day Mode16
 - Time of Day Notes & Tips16
 - Time of Day Example17

Chrono	18
Chrono Terminology	18
To Operate the Chrono	19
Heart Rate Data When Using Chrono Mode	20
Chronograph Display Format	21
Chrono Mode Notes & Tips	21
Chrono Mode Example	22
Interval	23
Interval Terminology	23
To Set or Adjust Intervals	24
To Operate the Interval Timer	26
Heart Rate Data When Using Interval Mode	26
Interval Mode Notes & Tips	27
Interval Mode Example	29
Timer	30
To Set the Timer	30
To Operate the Timer	31
Timer Mode Notes & Tips	33
Timer Mode Example	34
Recovery	34
About Recovery Heart Rate	34
To Manually Determine a Recovery Heart Rate	35

Review	37
About Review Mode	37
To Review Workout Data	38
Review Mode Data	39
HRM Setup	41
Device Pairing	41
Selecting a Target Heart Rate Zone	43
To Set a Manual Target Heart Rate Zone	44
To Enter Your Personal Data	45
HRM Setup Notes & Tips	47
Alarm 1, 2, or 3	48
To Set the Alarm	49
Alarm Mode Notes & Tips	50
Sync	51
To Sync the watch with a PC	52
Sync Error Messages	53
Care & Maintenance	54
Watch Battery Replacement	54
INDIGLO® night-light	54
Water Resistance	54
Heart Rate Sensor Strap Maintenance	55
Transmitter Battery Life and Replacement	55
Battery Replacement	55

Warranty & Service57
Declaration of Conformity62

Overview

Congratulations!

The Ironman® Triathlon® Digital Heart Rate Monitor is like hiring a personal trainer. This high-tech tool is designed for demanding athletes like you to measure how you track against your workout goals and offers you the ability to track, store, and analyze key indicators of your personal fitness level for up to 50 laps.

You will find your Heart Rate Monitor is a user-friendly fitness tool. But, like any new device, you should take the time to familiarize yourself with its components to optimize its usefulness.

So, check out the features and functions of your Heart Rate Monitor to develop a basic understanding of this fitness tool. But most of all, enjoy your new partner on the road to increased fitness!

New Features

The Ironman® Triathlon® Digital Heart Rate Monitor features a 10-workout memory that gathers elapsed time and heart rate data when you run its chronograph or interval timer. What makes this interval timer unique is that each of the linked segments can be set for both heart rate zone and duration, so your workout can incorporate time-and-effort training guidance - just like having a coach on your wrist.

In addition to standard heart rate monitor features, your Ironman®

Triathlon® Digital Heart Rate Monitor allows you to lock one or more of your workouts to reduce accidental deletion.

The watch also has an optional two-way wireless communication link. With two-way communication, you can upload data from the watch to PC/Mac or download settings from a PC/Mac to the watch. The link radio provides seamless digital wireless communication, reliable connections, and data transmissions between the watch and other ANT+Sport devices.

A Fit Heart

Recent fitness findings indicate that anyone can get fit and stay fit without being overzealous. It can be as simple as:

- ❖ Exercising 3 to 4 times per week.
- ❖ Exercising for 30 to 45 minutes during each exercise session.
- ❖ Exercising at the appropriate heart rate.

Heart rate represents the effects of exercise on all parts of the body. Selecting the appropriate heart rate zone conditions the heart, lungs, and muscles to perform at optimal levels to get and keep your body in shape.

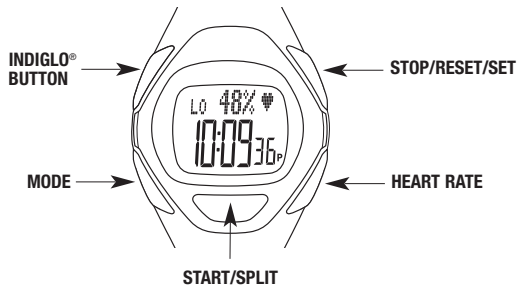
Your Heart Rate Monitor can show you when you are in the exercise zone you choose and signal you when you are not. It can help keep your body exercising at an intensity level that can help you achieve your desired fitness objectives without over- or under-exercising.

WARNING:

This is not a medical device and is not recommended for use by persons with serious heart conditions. Consult your physician before beginning any exercise program.

Interference with the radio signal, poor contact between your skin and the Digital Heart Rate Sensor, or other factors may prevent accurate transmission of heart rate data.

Watch Buttons







NOTE: The specific use for these buttons varies by mode. Refer to each mode for more information on how to use the watch buttons.







INDIGLO® night-light with Night-Mode® feature

In any watch mode, pressing the INDIGLO® button activates the INDIGLO® night-light and illuminates the watch while holding the button. Press and hold the INDIGLO® button until you hear a beep to activate the Night-Mode® feature.

When the Night-Mode® feature is active, pressing any watch button will light the watch face for a period of three to six seconds. The Night-Mode® feature will remain active for seven to eight hours after activation. To deactivate before the eight hour time frame has elapsed, press and hold the INDIGLO® button until you hear a beep.

Display Icons


-  The heart icon indicates that the Heart Rate Sensor is operating.
-  The stopwatch icon indicates that the watch is timing your workout in Chrono Mode.
-  The hourglass icon indicates that the watch is timing your workout in Interval or Timer Mode.
-  The repeat icon indicates you have set the timer to repeat at the end of a countdown cycle in Interval or Timer Mode.

-  The alarm clock icon indicates you have set the alarm to alert you at a designated time.
-  The speaker icon appears when you have set the watch to alert you when you go above or below your specified heart rate zone during a workout.
-  The antenna icon appears when the watch is synchronized with the Heart Rate Sensor.
-  The lock icon appears when you have locked a workout so it does not get overwritten by another workout.
-  The hourglass with heart icon appears when the watch is timing a recovery.
-  The crescent moon icon appears when you enable the INDIGLO® Night-Light with Night-Mode® feature.

Resources

Print Resources

In addition to this manual, your Heart Rate Monitor includes these valuable resources:

-  **Heart Zones® Tools for Success (U.S. customers only):** Information concerning how to use your Heart Rate Monitor in conjunction with the Heart Zones® Training System fitness program, meant to help you to increase the strength and endurance of your heart.

Web Resources

Timex websites offer beneficial information to help you optimize your Heart Rate Monitor.

- ❖ Register your product at www.timex.com.
- ❖ Visit www.timextrainer.com for more on Timex® Health & Fitness products, Timex® sports watches, and training information.

Determining Your Optimal Heart Rate Zone

Zone	%	Goal	Benefit
1	50% to 60%	Light exercise	Maintain a healthy heart and get fit
2	60% to 70%	Weight management	Lose weight and burn fat
3	70% to 80%	Aerobic base building	Increase stamina and aerobic endurance
4	80% to 90%	Optimal conditioning	Sustain excellent fitness condition
5	90% to 100%	Elite athletic training	Achieve superb athletic condition

There are five basic heart rate target zones described in the table above. Simply select a zone that matches your percent of maximum (%) heart rate based on the fitness goal you want to achieve during a particular exercise.

Before you can set your zone, you first need to determine your maximum heart rate. You can use many methods to estimate your maximum heart rate.

The booklet *Heart Zones® Tools For Success* included in your Heart Rate Monitor packaging (U.S. customers only) provides excellent procedures and Timex recommends you use one of these methodologies.

You might consider using the government recommended age-based method.

Begin with the number 220 and then subtract your age. For instance, a 35 year old would begin with 220 and subtract 35 (the person's age), which gives an estimated maximum heart rate of 185. Once you know your maximum heart rate, you can enter it in HRM Setup Mode and the watch will automatically setup your zones as described in the table on the previous page.

Heart Rate Monitor Setup and Use

Chrono and Interval Timer Modes collect heart rate data and record detailed statistics for a workout. The Heart Rate Monitor can store information for up to 10 workouts.

NOTE: The watch will collect heart rate data without the Chrono or Interval Timer running. This information will not be available in Review Mode, but can be transferred from the watch to a PC/Mac (Timex® Data Xchanger USB device is required). If you have an optional USB device, you can upload workout data to a PC/Mac for storage and viewing. When the watch can store less than five hours, or only three more sessions, of heart rate data, the watch will display the MEMORY LOW message. When the watch has reached its storage capacity limits, the display will read MEMORY FULL.

When the watch is not used with a PC/Mac these messages will be skipped. Unless you lock a workout, you will automatically over-write an older workout when you have reached your 10-workout limit.

To Prepare Your Heart Rate Monitor for First Use

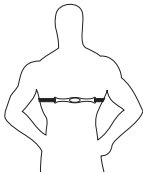
Once you have determined your fitness goals and maximum heart rate, Timex recommends you pair the watch with your Heart Rate Sensor, set the time, and set other important data in HRM Setup Mode before using your Heart Rate Monitor.

Note: For best results, Timex recommends that you wash your heart rate sensor in warm soapy water to remove any manufacturing oils before using for the first time.

- ❖ **Pairing the watch and Heart Rate Sensor:** Timex recommends that you pair the Heart Rate Sensor and watch to minimize the possibility of picking up a signal from another person's Heart Rate Sensor. To accurately pair the watch with the Heart Rate Sensor, go immediately to HRM Setup Mode prior to stopping at or using any other mode. For more information on pairing, see pages 41 to 42.
- ❖ **Setting the Time of Day:** The Heart Rate Monitor uses the time set on the watch to record data. To ensure you are recording data at the correct time, set the watch for your local time in Time of Day Mode. For more information on Time of Day Mode refer to pages 12 to 17.
- ❖ **Entering Your Personal Data:** Before using your watch it is important to enter your weight and maximum heart rate in HRM Setup Mode. This will allow you to tailor your Heart Rate Monitor to your personal parameters. For information on HRM Setup Mode, refer to pages 45 to 47.

To Use Your Heart Rate Monitor

1. Wet thoroughly the Heart Rate sensor pads under running tap water (2-3 seconds per pad). If necessary, use a heart rate monitor electrode gel for better contact.
2. Center the Sensor on your chest with the Timex® logo facing up and out and fasten it firmly, just below your sternum.
3. Press the MODE button until your desired mode appears. You can view heart rate information in Time of Day, Chrono, Interval Timer, or Timer Modes.
4. Press the HEART RATE button on your watch. The antenna icon will appear on the display indicating the watch is searching for a signal from the Heart Rate Sensor. When the watch begins receiving a signal, a pulsing heart icon will appear on the display. In certain modes, the watch will automatically search for a Heart Rate Sensor when you enter the mode.
NOTE: The watch automatically records your heart rate and other statistical data about your workout (available in Review Mode) when you use Chrono and Interval Timer Modes.
5. Press the START/SPLIT button and begin your workout.
6. If the watch is set to alert you when you go above or below your



chosen target heart rate zone press and hold HEART RATE to turn the audible alert off. Otherwise it will continue beeping until you return to your target zone. When you are turning the audible alert off, you will see the message HOLD FOR ALERT OFF. Conversely, when turning the audible alert on, you will see the message HOLD FOR ALERT ON.

7. When you have finished your workout, press the STOP/RESET/SET button to stop recording data for the workout if you are using Chrono or Interval Timer Modes.
8. Remove the Heart Rate Sensor from your chest and the watch will stop recording further heart rate data in approximately one minute.
9. Press MODE until you see Review Mode. This Mode includes heart rate and other statistical data about your workout. See pages 37 to 40 for more information about Review Mode.

NO HRM DATA Message

If the watch is not receiving heart rate information, you may receive the message NO HRM DATA on the watch display. Try the following:

- ❖ Shorten the distance between the watch and the Heart Rate Sensor.
- ❖ Adjust the position of the Heart Rate Sensor and elastic chest strap.
- ❖ Make sure the Heart Rate Sensor pads are wet or use conductive gel.
- ❖ Check the battery in the Heart Rate Sensor and replace it if necessary.
- ❖ Move away from other heart rate monitors or other sources of radio or electrical interference.

Time of Day

Your watch can act as an ordinary timepiece, displaying the time, date, and day for two different time zones using a 12- or 24-hour format.

INDIGLO® BUTTON

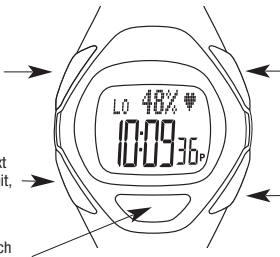
Press to light the watch, activate/de-activate the Night- Mode® feature.

MODE

Press to move to the next mode, setting option, digit, or group.

START/SPLIT

Press to peak at or switch time zones or increase or toggle a setting item.



STOP/RESET/SET

Press to start or complete the setting process.

HEART RATE

Press to activate the Heart Rate Monitor, decrease or toggle the setting item, or switch display views.

To Set or Adjust Time, Date, and Audibles

1. Press MODE until Time of Day Mode appears, showing the current time.
2. Press and hold STOP/RESET/SET until the words HOLD TO SET briefly appear on the display followed by SET then SET TIME with the number 1 or 2 flashing in the lower right corner.
3. PRESS START/SPLIT (+) or HEART RATE (-) to toggle between the primary (1) and secondary (2) time zones.
4. Press MODE (NEXT) to begin setting the time for the chosen time zone. The time will appear on the display with the hour value flashing.
5. Make the desired adjustment as indicated in the tables on the next two pages.
6. Press MODE (NEXT) to move to the next setting option.
7. Press STOP/RESET/SET (DONE) to save your changes and exit the setting process.

For this watch, you can make the Time of Day adjustments described in the tables that appear on the next two pages.

NOTE: To quickly change the value being set, press and hold START/SPLIT (+) or HEART Rate (-).

Setting Group	Adjustment
Hour	Press START/SPLIT (+) to increase the hour value or HEART RATE (-) to decrease the hour value.
Minute	Press START/SPLIT (+) to increase the minute value or HEART RATE (-) to decrease the minute value.
Second	Press START/SPLIT (+) or HEART RATE (-) to reset the seconds to zero.
Month	Press START/SPLIT (+) to move forward through the months or HEART RATE (-) to move backward through the months.
Day of the Month	Press START/SPLIT (+) to move forward through the days of the month or HEART RATE (-) to move backward through the days of the month.
Year	Press START/SPLIT (+) to increase the year value or HEART RATE (-) to decrease the year value.
12- or 24-Hour Format	Press START/SPLIT (+) or HEART RATE (-) to toggle between the 12- and 24-hour formats. In the 12-hour format the AM and PM time indicators will also appear to the right of the seconds on the time display.

Setting Group	Adjustment
Appearance of the Month and Day	Press START/SPLIT (+) or HEART RATE (-) to toggle between the appearance options for the month and the day. The options include: Month Day (MM-DD) or Day Month (DD.MM). For example, March 15 can appear as 3-15 (MM-DD) or 15.3 (DD.MM).
Hourly Chime	Press START/SPLIT or HEART RATE to toggle between turning the chime on and off. When turned on, the watch will emit a beep every hour on the hour.
Button Beep	Press START/SPLIT or HEART RATE to toggle between turning the button beep on and off. When you turn the button beep on, the watch will emit a beep every time you press a button other than the INDIGLO® button.

To Switch Time Zones

The watch can track two time zones (T1 and T2). To look at the second zone in Time of Day Mode, press START/SPLIT. T1 or T2 will flash in the lower right corner indicating the alternate time zone. You can switch from T1 to T2 or T2 to T1 by using these steps:

1. Press and hold START/SPLIT until T1 or T2 appears and flashes.
2. Continue to hold until the time switches and the watch beeps.

Heart Rate Data When Using Time of Day Mode

When using the watch with the Heart Rate Sensor, you can change the Time of Day Mode display by pressing the HEART RATE button. Choose from:

1. Heart Rate over Time of Day;
2. Time of Day over Heart Rate
3. Heart Rate only; or
4. Time of Day with Day/Month/Date.

NOTE: While you can see current heart rate information in Time of Day Mode, the watch is not collecting any data that you can view in Review Mode.

Time of Day Notes & Tips

- ❖ You can return to Time of Day Mode from any other mode on the watch by pressing MODE until the time of day appears.
- ❖ The watch does not automatically adjust for Daylight Savings Time. When switching between Standard Time and Daylight Savings Time, you must manually adjust the hour value.
- ❖ At any time during the setting process, you can save your changes and return to the main time display by pressing STOP/RESET/SET.

- ❖ While setting the watch, if you do not press any buttons on the watch for a period of 2 to 3 minutes, the watch will automatically save whatever changes you have made and exit the setting process.
- ❖ During a Leap Year, the watch will automatically move from February 28 to February 29. For other years, the watch will move from February 28 to March 1.
- ❖ Alarms are triggered by the time set in Time of Day Mode.

Time of Day Example

Assume that you live in San Francisco and work with a client in New York. Like all busy people, it is imperative you keep track of time, so you set T1 to your local time. But it is also important to have a quick reminder of your client's time, so you set T2 to New York time. With both time zones available, you can quickly check your client's time or even switch your watch to display T2 when you travel to New York.

Chrono

Chrono Mode operates as the main workout data center for your watch. It can record elapsed time for up to 100 hours. It can also record information for up to 50 laps.

INDIGLO® BUTTON

Press to light the watch, activate/de-activate the Night-Mode® feature.

MODE

Press to move to the next mode or quickly display a new lap or split.

START/SPLIT

Press to begin timing, take a lap or split, or continue timing after a pause.



STOP/RESET/SET

Press to stop or pause the chrono, save chrono data and clear the chrono, or change chrono format

HEART RATE

Press to switch display views.

Chrono Terminology

- ❖ **Chronograph:** The chronograph records timed segments for the duration of your workout.
- ❖ **Lap:** Lap time records the time or duration of individual segments of your workout.
- ❖ **Split:** Split time records the total elapsed time since the beginning of your current workout.

- ❖ **Taking a lap or split:** When you take a lap or split, the chronograph records the time for the current segment and automatically begins timing a new one.

To Operate the Chrono

1. Press MODE until CHRONO appears.
2. Press and hold STOP/RESET/SET to save chrono data (if necessary) and reset the chrono.
3. Press START/SPLIT to begin timing.
4. Press START/SPLIT again to take a lap or split. The watch will display the lap or split number and average heart rate (for the lap or split) if receiving data from the Heart Rate Sensor.
5. Press MODE to immediately display new lap or split information OR wait a few seconds and the watch will automatically begin to display data for a new lap or split.
6. Press STOP/RESET/SET to stop timing when you want to take a break or you reach the end of your workout.

NOTE: The recovery heart rate timer will begin automatically (for 30 seconds or 1-, 2-, 5-, or 10-minutes, as user-specified) after pressing STOP/RESET/SET if the watch is receiving data from the Heart Rate Sensor. For more information about recovery heart rate, see pages 34 to 37.

7. Press START/SPLIT to continue timing OR press and hold STOP/RESET/SET to clear the chronograph display and set it back to zero. This also saves chrono data in the watch database.

NOTE: If all workouts are locked you will see the message WORKOUTS LOCKED - UNLOCK IN REVIEW. In this instance, the watch cannot save any data for a workout.

Heart Rate Data When Using Chrono Mode

When you operate the watch in Chrono Mode with the Heart Rate Sensor, you will accumulate heart rate related data in Review Mode, including:

1. Amount of time your heart rate stays within your target heart rate zone (shown as IN ZONE in Review Mode);
2. The average heart rate for the complete time the Heart Rate Sensor was operating and the chronograph was running (shown as AVERAGE in Review Mode);
3. The average heart rate for each recorded lap (shown as LAP DATA in Review Mode); and
4. Peak and minimum heart rates for the complete time the Heart Rate Sensor was operating and the chronograph was running (shown as PEAK and MINIMUM in Review Mode)

Chronograph Display Format

You can set the Chronograph to show either the lap or split time on the lower display line.

1. Stop and reset the Chronograph.
2. Press and release the STOP/RESET/SET button. You will see FORMAT on the display, followed by SET, and then the current format setting.
3. Press START/SPLIT (+) to select the format you would like.
4. Press STOP/RESET/SET (DONE) to save your setting and return to the Chrono.

Note that although the format setting implies that Chrono time values are shown in both the upper and lower display lines, when using the Chrono without the heart rate sensor, the upper display line is reserved for the lap number, so only the lower line of timing information is shown. However, when using the Chrono with the heart rate sensor, it is possible to see both lap and split timing information at the same time if desired.

Chrono Mode Notes & Tips

- ❖ Press MODE to switch to Time of Day Mode while running the chronograph. The stopwatch icon (⌚) will appear to indicate the chronograph is still operating.
- ❖ When the chronograph is running along with the Heart Rate Sensor you

can change the Chrono Mode display by pressing HEART RATE. Choose from:

1. Heart Rate over Lap/Split Time;
2. Lap/Split Time over Heart Rate;
3. Lap Time over Split Time;
4. Lap # over Lap or Split time; or
5. Heart Rate only.

Chrono Mode Example

Twice a week, you run in the hills behind your house and you use the chronograph to time your workout. You have divided the run into four segments:

- 1) from your house to the beginning of the hill,
- 2) from the bottom of the hill to the top of the hill,
- 3) from the top of the hill back down, and finally
- 4) from the end of the hill back home. At each of these landmarks, you press the START button to begin timing a new lap. After five weeks of storing the same workout, you are able to track your progress over time to see whether or not your time is improving for each of the lap segments.

Interval

Interval Timer Mode offers a flexible five-interval countdown timer that can be set to repeat up to 99 times. This mode is useful when your workout includes distinct segments such as using a run/walk method in which you run for a specified period of time and then walk for a specified period of time.

INDIGLO® BUTTON

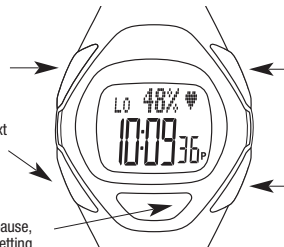
Press to light the watch, activate/de-activate the Night- Mode® feature.

MODE

Press to move to the next mode, digit, or setting option or group.

START/SPLIT

Press to begin timing, continue timing after a pause, or increase or toggle a setting item.



STOP/RESET/SET

Press to start or complete the setting process, pause or stop the interval timer, or clear and save data.

HEART RATE

Press to switch display views or decrease or toggle a setting item.

Interval Terminology

- ❖ **Interval Training:** You can use interval training to help you vary the intensity level within one workout, ultimately helping you work out longer and harder.
- ❖ **Interval:** Intervals relate your exercise to specific periods of time. For instance, you can run for ten minutes, walk for two, run for twenty

minutes, and then walk for five – this would represent four training intervals.

- ❖ **Repetitions (Reps):** The number of times you choose to perform an interval group. In the example above, if you choose to run the interval group three times, you will go through your series of ten, two, twenty, and five minute timings three times in sequence. This would represent 3 reps.

To Set or Adjust Intervals

You can set the watch to set and store up to five intervals labeled INT 1 through INT 5.

1. Press MODE until Interval Mode appears, showing the most recent interval settings.
2. Press STOP/RESET/SET until the words INT TIMER SET briefly appear on the display followed by SET followed by the current setting for Interval 1 and INT with the number 1 flashing at the top of the display.
3. PRESS START/SPLIT (+) or HEART RATE (-) to choose which of the five interval groups to set.
4. Press MODE (NEXT) to begin setting the time for the chosen interval. The current interval time will appear on the display with the hour value flashing.
5. Make the desired adjustment as indicated in the table on the next page.
6. Press MODE (NEXT) to move to the next setting option.

7. Press STOP/RESET/SET (DONE) to save your changes and exit the setting process.

You can make the interval adjustments described in the table below.

Setting Group	Adjustment
Interval Number	Press START/SPLIT (+) to increase the interval number or HEART RATE (-) to decrease the interval number.
Hour	Press START/SPLIT (+) to increase the hour value or HEART RATE (-) to decrease the hour value.
Minute	Press START/SPLIT (+) to increase the minute value or HEART RATE (-) to decrease the minute value.
Seconds	Press START/SPLIT (+) to increase the seconds value or HEART RATE (-) to decrease the seconds value.
Heart Rate Zone	Press START/SPLIT (+) or HEART RATE (-) to choose either the preset ZONE 1 to 5, the MANUAL zone, or NONE.
Number of Repetitions	Press START/SPLIT (+) to increase the the number of repetitions (# OF REPS) or HEART RATE (-) to decrease the number of repetitions for all intervals.

NOTE: To quickly change the value being set, press and hold START/SPLIT (+) or HEART Rate (-).

To Operate the Interval Timer

1. Press MODE until INTERVAL appears.
2. Press and hold STOP/RESET/SET to clear interval data from a previous interval workout (if necessary).
3. Press START/SPLIT to begin timing countdown for the Interval Timer (i.e., 10, 9, 8...).
4. Press STOP/RESET/SET to stop timing when you want to take a break or you reach the end of your workout before the intervals have completed timing.
5. Press START/SPLIT to continue the countdown OR press and hold STOP/RESET/SET to save and then clear the current interval workout.

Heart Rate Data When Using Interval Mode

When you operate the watch in Interval Mode with the Heart Rate Sensor, you will accumulate heart-related data in Review Mode, including:

1. Amount of time your heart rate stays within your target heart rate zone (shown as IN ZONE in Review Mode);
2. The average heart rate for the complete time the Heart Rate Sensor was operating and the interval timer was running (shown as AVERAGE in Review Mode);

3. The average heart rate for each recorded interval (shown with interval times in Review Mode); and
4. Peak and minimum heart rates for the complete time the Heart Rate Sensor was operating and the interval timer was running (shown as PEAK and MINIMUM in Review Mode).

Interval Mode Notes & Tips

- ❖ When the watch accumulates information concerning time in target heart rate zones, the information is an aggregate for the time in all zones, not the time in zone for each individual interval.
- ❖ If all workouts are locked in Review Mode you will see the message WORKOUTS LOCKED - UNLOCK IN REVIEW. In this instance, the watch cannot save any data for a workout.
- ❖ With the interval timer running along with the Heart Rate Sensor you can change the Interval Mode display by pressing HEART RATE. Choose from:
 1. Heart Rate over Interval Time (per interval);
 2. Interval Time (per interval) over Heart Rate;
 3. Heart Rate only; or
 4. Interval Time over Interval Number/Repetition Number.
- ❖ If an interval is set to 00:00:00, the watch will automatically skip over

that interval. For example if INT 3 is set to 00:00:00 then the watch will move from INT 2 directly to INT 4.

- ❖ When you set target heart rate zones in Interval Mode, they override those set in HRM Setup Mode. For example, if you have set the watch to ZONE 2 in HRM Setup Mode but set INT 3 to ZONE 3, the watch will record heart rate data for ZONE 3 and not ZONE 2 while in Interval Mode. This is particularly important if you set the watch to alert you if you go above or below your target heart rate zone.
- ❖ The repeat setting applies to the entire group of settings; you cannot have the Interval Timer repeat twice for INT 1 and only once for INT 2.

Interval Mode Example

For cross training purposes, you decide to add a one-hour spin session to your workout routine. You decide to use Interval Mode to help you track both time and heart rate for your workout. You set the following intervals for your workout:

Interval	Time	Heart Rate Zone
INT 1	00:05:00	NONE
INT 2	00:18:00	ZONE 3
INT 3	00:05:00	ZONE 5
INT 4	00:05:00	ZONE 1

You use INT 1 as a warmup. INT 2 and INT 3 represent the core of your workout at an increasing heart rate goal, striving for 5 minutes of high intensity aerobic workout. Finally, INT 4 is a cool down between repetitions and at the end of the workout. In addition, you set the repetitions to 2, which allows you to repeat this workout sequence twice for a strong one-hour interval workout routine.

Timer

Timer Mode allows you to set a fixed time from which the watch counts down to zero (i.e., 10, 9, 8, ...). In addition you can set the watch to repeat, stop or switch to Chrono Mode at the end of the countdown (if the chronograph is off and cleared) and alert you when you are halfway through a timing sequence.

INDIGLO® BUTTON

Press to light the watch, activate/de-activate the Night- Mode® feature.

MODE

Press to move to the next mode, digit, setting option, or group.

START/SPLIT

Press to begin timing, continue timing after a pause, or increase or toggle a setting item.



STOP/RESET/SET

Press to start or complete the setting process, pause or stop the timer, or clear data.

HEART RATE

Press to switch display views or decrease or toggle a setting item.

NOTE: You can press any button in Timer Mode to silence the alert that sounds when the timer reaches zero.

To Set the Timer

1. Press MODE until TIMER appears.

2. Press STOP/RESET/SET until TIMER SET then SET briefly appear on the display followed by the timer with the hours value flashing.
3. Press START/SPLIT (+) to increase or toggle the values or HEART RATE (-) to decrease or toggle the value. This applies for hours, minutes, seconds, end action, and halfway alert.


NOTE: The end action setting allows you to choose how the timer operates at the completion of a timing countdown. Options include STOP, REPEAT, or CHRONO. If you choose CHRONO, the watch automatically switches to Chrono Mode at the end of the countdown (if the chronograph is off and reset to zero) and begins operating the chronograph.


NOTE: To quickly change the value being set, press and hold START/SPLIT (+) or HEART Rate (-).



4. Press MODE (NEXT) to move to the next value for hours, minutes, seconds, end action, and halfway alert.
5. Press STOP/RESET/SET (DONE) to save your changes and exit the setting process.

To Operate the Timer


1. Press and hold STOP/RESET/SET to clear data from any previous use of the timer (if necessary). You cannot start another countdown without resetting the timer.

2. Press START/SPLIT to start the timer countdown. The hourglass icon  will appear on the display.
3. Pause the countdown by pressing STOP/RESET/SET.
4. Resume the countdown by pressing START/SPLIT again or reset the timer by pressing and holding STOP/RESET/SET again until the words HOLD TO RESET briefly appear on the display followed by the original countdown time.
5. When the timer reaches the halfway point (if HALFWAY ALERT is set) a brief chime will sound.
6. When the timer reaches zero, an alert will sound. Press any button to silence the alert.
7. The timer will stop after the alert if set to STOP; or

The timer will begin another countdown if set to REPEAT and continue until you press STOP/RESET/SET. The display will show REP and a number (for example, REP 2). REP indicates the timer is repeating and the number indicates how many times the timer has cycled through the repeat countdown. You will also see the repeating hourglass icon , indicating the timer is set to repeat.; or

The timer will switch to Chrono Mode if the chronograph is off and cleared. You will see the stopwatch icon  indicating the timer will switch modes at the end of the countdown and the hourglass icon  indicating the timer is operating.

Timer Mode Notes & Tips

- ❖ You can press MODE within Timer Mode to switch the display to another mode without disrupting the operation of the timer. The hourglass  will continue to display to indicate the timer is operating.
- ❖ When you use the halfway alert the watch will beep when you have reached the halfway point of the set countdown time.
- ❖ With the timer running along with the Heart Rate Sensor, you can change the Timer Mode display by pressing HEART RATE. Choose from:
 1. Heart Rate/Countdown Time;
 2. Countdown Time/Heart Rate;
 3. Heart Rate only; or
 4. Countdown Time (and a repeat number if set to REPEAT).

Timer Mode Example

As part of your overall health plan, you decide to take a 30-minute walk during your lunch hour two times a week. To help keep track of time so you do not return late from your lunch hour, you set the timer to 15 minutes and then set the end action to CHRONO. After 15 minutes the watch beeps telling you to begin walking back to your office. The watch moves to Chrono Mode and begins timing. This helps you determine how much time it takes to return to your office.

Recovery

About Recovery Heart Rate

Heart rate recovery provides an indicator of fitness and training level. As you become more fit, your heart rate should return more quickly to a lower heart rate value at the end of your workout, indicating a higher level of cardiovascular fitness.

Your recovery rate represents the change in your heart rate over a period of time. You can set your Heart Rate Monitor to record the change in your heart rate for a 30-second or a 1-, 2-, 5-, or 10-minute period.

A smaller recovery might indicate a need to take a break from training due to fatigue, illness, or other factors.

INDIGLO® BUTTON

Press to light the watch, activate/de-activate the Night- Mode® feature.

MODE

Press to move to the next mode.

START/SPLIT

Press to start or restart the recovery timer.



STOP/RESET/SET

Press to choose from a 30-second or a 1-, 2-, 5- or 10-minute recovery time or to stop or reset the recovery timer.

HEART RATE

Press to turn the HRM on (if off) or press and hold to turn Out of Zone alerts on or off.

NOTE: While running the chronograph, the recovery heart rate timer will begin automatically after pressing STOP/RESET/SET if the watch is receiving data from the Heart Rate Sensor. Without a current heart rate or if the starting heart rate is lower than the ending heart rate, the display will read NO REC at the end of the recovery countdown. The results of automatic recovery can be viewed in Review Mode.

To Manually Determine a Recovery Heart Rate

You can also manually initiate a recovery heart rate at any time.

NOTE: When you initiate a manual recovery, this information is not stored for viewing in Review Mode.

1. Press MODE until RECOVERY appears.
2. Press STOP/RESET/SET to clear the last heart rate recovery reading, if

necessary. You will see the message HOLD TO RESET followed by the currently set recovery time.

3. Press STOP/RESET/SET to toggle among a 30-second or a 1-, 2, 5-, or 10-minute recovery time, if desired.

NOTE: This setting controls the duration of both the automatic and manual recovery heart rate.

4. Press START/SPLIT. The top line of the watch display will show the heart rate at the beginning of the recovery period as well as your current heart rate. The bottom line will show the 30-second or 1-, 2, 5-, or 10-minute recovery countdown.

NOTE: The watch cannot record a recovery unless it is receiving a current heart rate from the Heart Rate Sensor. Without a current heart rate or if the starting heart rate is lower than the ending heart rate, the display will read NO REC at the end of the recovery countdown.

5. After the specified recovery countdown period, the watch will beep indicating the end of the recovery period. The watch will capture your heart rate a second time, subtract the second value from the first value and display the difference as the recovery.



6. You can continue to initiate a specified recovery period by repeating steps 2 through 4.

Review

Review Mode allows you to recall overall information recorded in Chrono and Interval Modes for stored workouts. You can review your last 10 stored workouts. You can also lock a workout to ensure the workout does not get dropped out of the review queue once you go beyond 10 workouts.

INDIGLO® BUTTON

Press to light the watch, activate/de-activate the Night- Mode® feature.

MODE

Press to move to the next mode.

START/SPLIT

Press to select a workout for review or scroll through workout data for a selected workout.



STOP/RESET/SET

Press to initiate the review for a selected workout.

HEART RATE

Press to lock or unlock a workout or scroll through workout data for a selected workout

About Review Mode

- ❖ Review Mode collects and stores the data gathered while the chronograph or interval timer were running. You can use this mode to view important measures of your progress during your workouts.


- ❖ Without the Heart Rate Sensor, you will see total time and Lap or Interval Recall in Review Mode, along with your last recorded recovery heart rate.
- ❖ If no interval has completed its countdown the watch will display NO INTS DONE. This will only occur while the interval timer is running and before the watch has finished timing a full interval cycle.
- ❖ If you did not record separate laps during a chronograph workout, the watch will display NO LAPS STORED when you get to the lap recall segment of Review Mode. This will only occur when the chronograph is running and the watch has not finished timing during the first lap of a workout.

To Review Workout Data

If the Chrono or Interval Timer are running when you enter Review Mode you can only see current workout information. You cannot review any stored workouts until the Chrono and Interval Timer are stopped and reset.

1. Press MODE until REVIEW appears.
2. Press START/SPLIT to scroll through stored workouts. Stored workouts are labeled by the date and time of the workout.

NOTE: Workouts recorded in Chrono Mode are marked with the stopwatch icon  and workouts recorded in Interval Mode are marked with the hourglass icon .

3. Press HEART RATE to lock or unlock a workout. When you lock a workout, the lock icon  will appear next to the workout. This workout will not be automatically deleted as new ones come in.
4. Press STOP/RESET/SET to access review data for a selected workout.
5. Press START/SPLIT or HEART RATE to scroll through workout data.
6. Press STOP/RESET/SET to return to the main Review menu to choose another workout to review.

Review Mode Data

Review Mode includes data stored for workouts recorded in Chrono or Interval Timer Mode as indicated in the following list.

NOTE: If the Heart Rate Monitor is not used the only data you will see is total time and lap or interval data.

- ❖ **Total Time:** The amount of time the chronograph or interval timer was running during your workout in Chrono or Interval Timer Modes.
- ❖ **Time in Zone:** The amount of time during a workout when your heart rate is between the lower and upper target zone limits you set. For an interval workout you may set each interval to a different target zone, so Review Mode will show the sum of the time in zone for the various zones for each interval.
- ❖ **Average Heart Rate:** The average heart rate achieved during a workout.

