

TIMEX[®]

Cycle Trainer™ 2.0



GPS

**USER
MANUAL**

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INTRODUCING YOUR CYCLE TRAINER 2.0

Congratulations on your purchase of the Timex® Cycle Trainer 2.0™ GPS bike computer. This powerful tool for cycle training can help you achieve your goals at any level. If you are a competitive cyclist, you can utilize heart rate, speed, cadence, and power sensors to focus on the specific attributes you want to improve, whether speed, threshold, or endurance. If you're riding for health and recreation, you'll enjoy how quickly and easily you can set up your heart rate sensor and start recording your rides.

The Cycle Trainer 2.0™ uses WAAS/EGNOS technology to find your position anywhere on the globe with pinpoint accuracy. You can track and save your rides so you can follow your favorite routes again and again, and compare your statistics between each ride to see how you are improving. You can even race against your earlier times with the Trainer feature to achieve a new personal best.

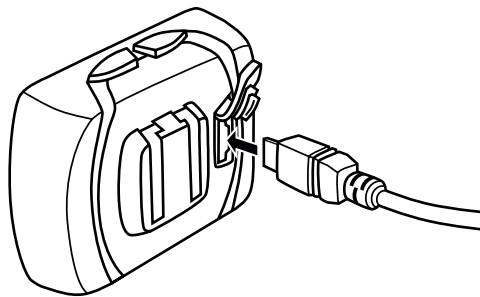
FEATURES

- GPS – WAAS/EGNOS technology ensures accuracy in navigation. Create waypoints and build routes to follow from them. Track back to your starting point from the end of a route.
- Heart rate sensor – Pair to the Cycle Trainer 2.0™ easily. Set up custom heart rate zones with audible alerts so you always know how hard you're riding.
- Trainer – Set distance, time, and pace goals to train against, or ride a saved route again for an improved time.
- Map – Choose the map orientation and zoom features that are right for you.
- Compass – Find the direction to your next waypoint and set a bearing to follow. Adjust for declination automatically.
- Barometer – Get accurate altitude measurements from air pressure.
- Sensors – Heart rate sensor included. Connect optional speed, cadence, speed/cadence, and power sensors.
- Hands-free features – Automatically stop the timer when your speed drops below a certain threshold, and automatically take a split at a time or distance you specify.

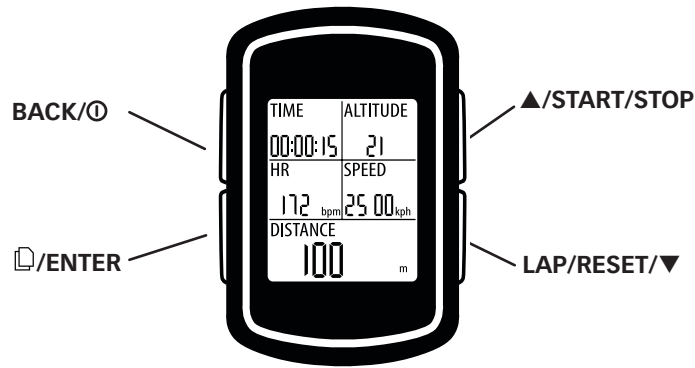
CHARGING THE CYCLE TRAINER

Before you use the Cycle Trainer for the first time, charge the battery for at least 4 hours.

Plug the large end of the USB cable into a powered USB port on your computer, and plug the small end into the port on the back of the device.



BASIC OPERATION



BACK/⊖

Hold for 2 seconds to turn the Cycle Trainer 2.0™ on or off. Press to turn on the night-light. In menus, press to go back to the previous page.

↵/ENTER

Press to cycle through screens in Speedometer mode. Hold to enter the main menus. In menus, press to select the highlighted choice.

▲/START/STOP

Press to highlight the previous item in a list. Press to start or stop the timer in Speedometer mode. Press to zoom out in Map mode.

LAP/RESET/▼

Press to highlight the next item in a list. While timer is running in Speedometer mode, press to start a new lap. While timer is stopped in Speedometer mode, press to save the ride and clear the timer.

ICON DESCRIPTIONS

These icons can appear on the Time and menu screens.

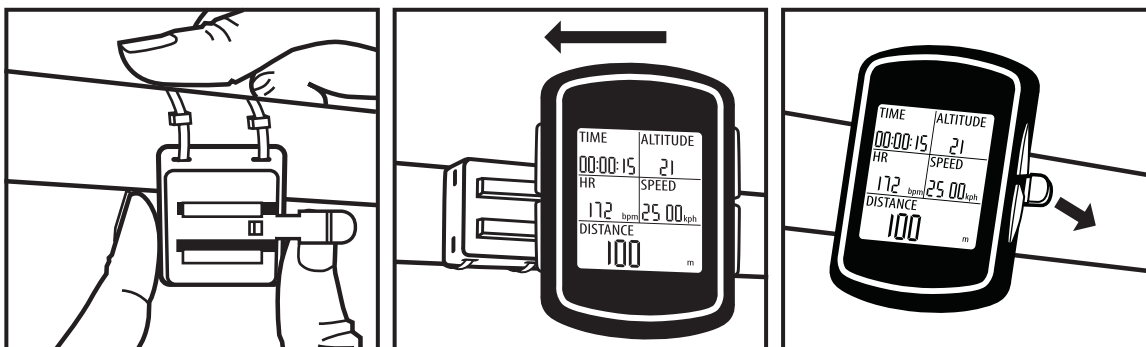
	GPS status	Solid: GPS has a satellite fix. More bars indicate a stronger signal. Blinking: GPS is seeking a satellite fix.
	Timer	Solid: Timer is running. Blinking: Timer is stopped, but has not been reset.
	Cadence sensor	Solid: Device is receiving data from a cadence sensor. Blinking: Device is searching for a cadence sensor.
	Alarm	An alarm is set and will sound at the specified time.
	Heart rate sensor	Solid: Device is receiving data from a heart rate sensor. Blinking: Device is searching for a heart rate sensor.
	Battery	Indicates the remaining battery power. More lit segments indicate a higher charge.

GETTING STARTED

INSTALLING THE CYCLE TRAINER

Use the two zip ties to attach the mounting bracket to your bike, and then slide the device into the mounting bracket.

Press back on the release tab to remove the device from the bracket.



TURNING THE CYCLE TRAINER ON AND OFF

Hold **⏻** for about 2 seconds to turn the device on or off.

SETTING THE TIME

The time is set by the GPS, but you choose the time format, time zone, and daylight saving on or off.

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight SET SYSTEM, then press ENTER.
3. Highlight TIME SETTINGS, then press ENTER.
4. Highlight the setting to change, then press ENTER.
5. Highlight a time format, time zone, or daylight saving setting, then press ENTER.

SETTING DISPLAY UNITS

Choose the system of measurement in which your user, ride, and navigation data will display.

You can display distance and weight units in ENGLISH, METRIC, or NAUTICAL measurements.

You can display map coordinates as DEFAULT (degrees and minutes), GOOGLE (degrees, minutes, and seconds), or UTM (x- and y- values of the Universal Transverse Mercator system).

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight SET SYSTEM, then press ENTER.
3. Highlight DISPLAY, then press ENTER.
4. Highlight UNITS, then press ENTER.
5. Highlight the UNIT or COORDINATION field, then press ENTER.
6. Highlight the units to display, then press ENTER.

SETTING UP THE USER PROFILE

Configure your personal information to ensure accurate heart rate zone and calorie calculations.

Enter your name, gender, birth date, height, and weight.

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight USER PROFILE, then press ENTER.
3. Highlight the setting to change, then press ENTER.
4. Highlight a letter, number, gender, or month, then press ENTER.

SETTING UP THE HEART RATE SENSOR



FITTING THE SENSOR STRAP

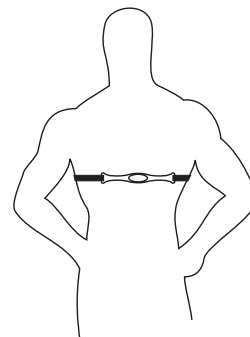
- Wet the heart rate sensor pads, and fasten the sensor firmly to your chest, just below your sternum.

PAIRING THE HEART RATE SENSOR

Prompt the Cycle Trainer 2.0™ to search for a heart rate sensor and begin receiving data.

- Make sure you are at least 30 feet away from other heart rate sensors.
- Turn on the heart rate sensor.
- From the main menu, highlight CONFIGURATION, then press ENTER.
- Highlight ACCESSORIES, then press ENTER.
- Highlight SENSORS, then press ENTER.
- Highlight HEART RATE, then press ENTER.
- Highlight SCAN, then press ENTER.

A SEARCHING... message appears and the  blinks. When the  stops blinking, the device is receiving data from the sensor.



SETTING UP HEART RATE ZONES

Obtaining accurate heart rate data is crucial to efficient training. Different heart rates provide different health benefits, and knowing your heart rate at a given time helps you know when to intensify or relax your efforts to focus your training.

WHAT IS YOUR OPTIMAL HEART RATE?

Your fitness goals determine what your optimal heart rate should be; the heart rate zone you want to target for burning fat is different from the zone you should target for endurance training.

Use the charts below to estimate your optimal heart rate zone based on your gender, age, and goals. Riding at the Aerobic Base level of intensity (in the middle of the charts) will help you burn fat and build aerobic endurance. However, you can also use the Cycle Trainer to tailor your target heart rate zone for more specific values appropriate to your current fitness level and your goals.

NOTE: Values on these charts are based on a percentage of your maximum heart rate (MHR). Consult your doctor before beginning an exercise program and to confirm the heart rate zone that is right for you.

MEN

Age	Light Exercise Maintain a healthy heart and get fit 50-60% MHR	Weight Management Lose weight and burn fat 60-70% MHR	Aerobic Base Increase stamina and aerobic endurance 70-80% MHR	Optimal Conditioning Sustain excellent fitness condition 80-90% MHR	Elite Athletic Training Achieve superb athletic condition 90-100% MHR
15	103—123	123—144	144—164	164—185	185—205
20	100—120	120—140	140—160	160—180	180—200
25	98—117	117—137	137—156	156—176	176—195
30	95—114	114—133	133—152	152—171	171—190
35	93—111	111—130	130—148	148—167	167—185
40	90—108	108—126	126—144	144—162	162—180
45	88—105	105—123	123—140	140—158	158—175
50	85—102	102—119	119—136	136—153	153—170
55	83—99	99—116	116—132	132—149	149—165
60	80—96	96—112	112—128	128—144	144—160
65	78—93	93—109	109—124	124—140	140—155
70	75—90	90—105	105—120	120—135	135—150
75	73—87	87—102	102—116	116—131	131—145
80	70—84	84—98	98—112	112—126	126—140

NOTE: MHR is calculated as (220-Age), in Beats per Minute (BPM), for men.

WOMEN

Age	Light Exercise Maintain a healthy heart and get fit 50-60% MHR	Weight Management Lose weight and burn fat 60-70% MHR	Aerobic Base Increase stamina and aerobic endurance 70-80% MHR	Optimal Conditioning Sustain excellent fitness condition 80-90% MHR	Elite Athletic Training Achieve superb athletic condition 90-100% MHR
15	106—127	127—148	148—169	169—190	190—211
20	103—124	124—144	144—165	165—185	185—206
25	101—121	121—141	141—161	161—181	181—201
30	98—118	118—137	137—157	157—176	176—196
35	96—115	115—134	134—153	153—172	172—191
40	93—112	112—130	130—149	149—167	167—186
45	91—109	109—127	127—145	145—163	163—181
50	88—106	106—123	123—141	141—158	158—176
55	86—103	103—120	120—137	137—154	154—171
60	83—100	100—116	116—133	133—149	149—166
65	81—97	97—113	113—129	129—145	145—161
70	78—94	94—109	109—125	125—140	140—156
75	76—91	91—106	106—121	121—136	136—151
80	73—88	88—102	102—117	117—131	131—146
NOTE: MHR is calculated as $(226 - \text{Age})$, in Beats per Minute (BPM), for women.					

SETTING YOUR MAXIMUM HEART RATE

You can set the Cycle Trainer to calculate your maximum heart rate based on your age, or you can enter a custom setting.

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight ACCESSORIES, then press ENTER.
3. Highlight CARDIO SET, then press ENTER to open the HEART RT SETING screen.
4. Highlight the HR MAX field, then press ENTER.
5. Highlight BY AGE or CUSTOM, then press ENTER.
6. If you selected CUSTOM, highlight the numbers to the right of CUSTOM, then press ENTER.
7. Press ▲ or ▼ to change numbers, then press ENTER.

SELECTING YOUR HEART RATE VIEW

You can choose to view heart rate data in Beats Per Minute (bpm) or as a percentage of your maximum (%).

1. From the HEART RT SETING screen, highlight the VIEW field, then press ENTER.
2. Highlight bpm or %, then press ENTER.

SETTING HEART RATE ZONES

The values for each of the 5 heart rate zones are calculated automatically based on your maximum heart rate, but you can instead enter your own values in each zone.

1. From the HEART RT SETING screen, highlight the ZONES field, then press ENTER.
2. Highlight CUSTOM, then press ENTER.
3. Highlight a value in the zone, then press ENTER.
4. Press ▲ or ▼ to change numbers, then press ENTER.
5. Repeat steps 3 and 4 for each zone.

CONFIGURING BIKE SETTINGS

Bike settings ensure accurate speed, cadence, and power calculations when using optional sensors, and are also used for calculating calories burned.

You can configure the weight and wheel size for up to 5 bikes.

DETERMINING WHEEL SIZE

There are two methods for determining your wheel size setting.

If you know your bike's tire size, you can consult the chart below to see the approximate wheel size. This is the easiest method, but can be less accurate.

Tire Size	Approximate Circumference (mm)	Tire Size	Approximate Circumference (mm)
700 X 56	2325	27 X 1 1/4	2161
700 X 50	2293	27 X 1 1/8	2155
700 X 44	2224	27 X 1	2145
700 X 38	2224	26 X 2.125	2070
700 X 35	2168	26 X 1.9	2055
700 X 32	2155	26 X 1.5	1985
700 X 28	2136	26 X 1.25	1953
700 X 25	2105	26 X 1.0	1913
700 X 23	2097	26 X 1/650 C	1952
700 X 20	2086	26 X 1 3/8	2068
27 X 1 3/8	2169		

You can also use the "roll-out" method to get a more accurate measurement of your wheel circumference.

1. Place your front wheel on the ground with the valve stem in the 6 o'clock position.
2. Mark the position of the valve stem on the floor.
3. Roll the bike forward, keeping pressure on the handlebars, until the valve stem is again at the 6 o'clock position.
4. Mark the position of the valve stem on the floor.
5. Measure the distance between the two marks.

ENTERING WHEEL SIZE AND BIKE WEIGHT

Once you have determined the wheel size of your bike, you can enter the size and weight settings into the Cycle Trainer.

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight ACCESSORIES, then press ENTER.
3. Highlight BIKE SETTING, then press ENTER.
4. Highlight the BIKE field, then press ENTER.
5. Highlight a bike number, then press ENTER.
6. Highlight the WEIGHT or WHEEL SIZE field, then press ENTER.
7. Press ▲ or ▼ to change numbers, then press ENTER.

CONFIGURING CALORIE SETTINGS

In order to make accurate calculations of calories burned, configure your activity (such as biking or hiking), training level (a relative level of intensity), and any extra weight you are carrying (such as a backpack). Higher training levels and extra weight values result in higher calorie calculations.

1. From the main menu, highlight ACTIVITY, then press ENTER.
2. Highlight SETTING, then press ENTER.
3. Highlight CALORIES, then press ENTER.
4. Highlight the SPORT TYPE, TRAINING LEVEL, or EXTRA WEIGHT fields, then press ENTER.
5. Press ▲ or ▼ to change activity, intensity, or number, then press ENTER.

CALIBRATING THE COMPASS

To ensure you get the most accurate navigation data from the GPS, you should calibrate the compass before using the device.

You need a satellite fix to calibrate the compass.

1. Take the Cycle Trainer outside, away from tall trees and buildings.
2. Wait for the GPS to get a satellite fix.
3. From the main menu, highlight CONFIGURATION, then press ENTER.
4. Highlight ACCESSORIES, then press ENTER.
5. Highlight SET COMPASS, then press ENTER.
6. Highlight CALIBRATION, then press ENTER.
7. Slowly rotate the Cycle Trainer.

When calibration is complete, the compass displays.

SETTING THE COMPASS DECLINATION

Depending on your latitude, the position of magnetic North shifts relative to geographic North. This difference in position is called declination.

It is strongly recommended that you set the Cycle Trainer to automatically account for declination using the GPS. It is possible to set a declination value manually, however.

1. From the SET COMPASS screen, highlight DECLINATION, then press ENTER.
2. Highlight the DECLINATION field, then press ENTER.
3. Press ▲ or ▼ to choose AUTO or MANUAL, then press ENTER.
4. If you select MANUAL, press ▼ to highlight the Deg field, then press ENTER.
5. Press ▲ or ▼ to change numbers, then press ENTER.

NOTE: To ensure accuracy in navigation, only use manual declination if you can obtain up-to-date declination information from a reliable source, such as a government geographic agency.

USING THE SPEEDOMETER

Use the Speedometer to time rides, to display real-time data about a ride in progress, and to save ride data for review.

When the Speedometer timer is running, several types of information are recorded, and you can view this recorded data after resetting the timer and saving a ride including:

- Date of ride
- Start time
- Total distance
- Calories burned
- Time of ride
- Average speed
- Average pace
- Average heart rate
- Average cadence (if a cadence sensor is paired)
- Fastest speed
- Fastest pace
- Fastest heart rate
- Fastest cadence (if a cadence sensor is paired)
- Time for each lap
- Distance for each lap
- Average speed for each lap
- Average pace for each lap
- Calories burned for each lap
- Average heart rate for each lap
- Ride route

NOTE: More data can be viewed while the ride is in progress, but is not saved for review. See [Configuring Custom Pages](#) for a list.

Once you have saved a ride, you can follow the route again and compare your new data with the previous ones. See [Training Against A Previous Ride](#) for more information.

STARTING, STOPPING, AND SAVING A RIDE

STARTING A RIDE

- From Speedometer mode, press START.

If the GPS does not have a satellite fix, a message indicates this and asks if you want to start the timer anyway. To do so, press ▲ to highlight YES, and press ENTER. The timer begins, but only time data and data from paired sensors is recorded.

STOPPING A RIDE

- While the timer is running, press STOP to pause the timer.
- If the timer is stopped, but has not been reset, press START to resume timing.

SAVING AND RESETTNG A RIDE

- While the timer is paused, press RESET to save the ride and reset the timer.
- Highlight YES, and press ENTER.

All collected data is saved. See [Reviewing Rides](#) for instructions on viewing saved data.

TAKING SPLITS

WHAT ARE LAP AND SPLIT TIMES?

Lap time is the length of an individual segment of your ride. Split time is the time elapsed from the beginning of your ride through the current segment.

When you “take a split”, you have completed timing one segment (such as one lap) of the ride and are now timing the next segment.

The graph below represents the lap and split times for a ride in which 4 laps were taken.

LAP 1	LAP 2	LAP 3	LAP 4
7:11 MIN	7:50 MIN	7:08 MIN	7:30 MIN
7:11 MIN			
SPLIT 1	15:01 MIN		
	SPLIT 2	22:09 MIN	
		SPLIT 3	29:39 MIN
			SPLIT 4

TAKING A SPLIT

- While the timer is running, press LAP to take a split.

Data for the lap you just completed is displayed, and the Cycle Trainer begins timing the new lap.

Once you stop and save the ride, you can review route and ride data for each lap, as well as for the ride as a whole.

VIEWING DATA DURING A RIDE

There are several screens you can view during a ride to see real-time data.

- Press  to cycle through the display screens.

The screens display in this order:

- Time of Day
- Map (if activated)
- Compass (if activated)
- Custom Page 1
- Custom Page 2
- Custom Page 3
- Custom Page 4

The four custom screens can be configured to show many different types of data. See [Configuring Custom Pages](#) for data that can appear in custom screens and configuration instructions.

USING THE TRAINER

The Trainer feature on the Cycle Trainer lets you set goals for your rides, and compares your actual results against the goals you set to help you evaluate your performance.

While using the trainer, an alert will sound to let you know when you are ahead of or behind the goals you have set, and indicate the difference so you can gauge how much to speed up or slow down.

You can set goals for 5 different metrics:

- DIST/TIME – Set a distance you want to cover and the amount of time in which you want to finish
- DIST/SPEED – Set a distance you want to cover and the speed you want to maintain over that distance
- SPEED/TIME – Set a speed you want to maintain and the length of time you want to keep it up
- PACE/DIST – Set a pace you want to maintain and the distance over which you want to maintain it
- YOURSELF – Select a ride you have saved and count down the distance and time to complete it

STARTING THE TRAINER

TRAINING AGAINST SET GOALS

1. From the main menu, highlight ACTIVITY, then press ENTER.
2. Highlight TRAINER, then press ENTER.
3. Highlight the trainer type, then press ENTER.
4. Highlight a field to change, then press ENTER.
5. Highlight a number, then press ENTER.
6. Repeat steps 4 and 5 until both fields are set.
7. Highlight START, then press ENTER.
8. The ENABLE ALERT? screen displays. Press ▲ or ▼ to choose YES or NO, then press ENTER.
9. The DO YOU WANT TO RECORD RUNNING DATA? screen displays. Highlight YES (if you want to save the ride when you are finished) or NO (if you do not want to save), then press ENTER.

The Trainer begins timing your ride.

TRAINING AGAINST A PREVIOUS RIDE

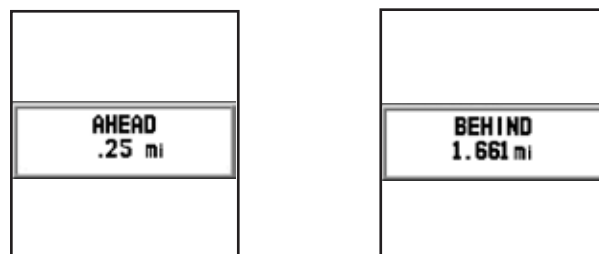
1. From the main menu, highlight ACTIVITY, then press ENTER.
2. Highlight TRAINER, then press ENTER.
3. Highlight YOURSELF, then press ENTER.
4. Highlight a ride to time against, then press ENTER.
The distance and time of the previous ride display.
5. Highlight START, then press ENTER.
6. The ENABLE ALERT? screen displays. Press ▲ or ▼ to choose YES or NO, then press ENTER.
7. The DO YOU WANT TO RECORD RUNNING DATA? screen displays. Highlight YES (if you want to save the ride when you are finished) or NO (if you do not want to save), then press ENTER.

The Trainer begins timing your ride.

RESPONDING TO TRAINER ALERTS

When you have enabled alerts and the Trainer running, an audible alert will sound periodically along with a message telling you how far ahead of or behind your goal you are.

Use the distance in the message as a guide to how much you should speed up or slow down. Change your speed by a larger margin for higher distances.



STOPPING THE TRAINER

When you have reached the goal time and distance you set up when you started the Trainer, the Trainer ends. A message displays indicating whether you met your goal or whether you need to speed up to achieve it next time.

You can also stop the Trainer before the goals have been met.

1. Hold STOP for a few seconds.
2. Highlight YES, then press ENTER.

REVIEWING RIDES

Every time you reset the timer in Speedometer mode (and in the Trainer, if you chose to record data), the ride is saved. You can view it from the ACTIVITY INFO screens. Compare these saved rides against one another to track your progress, or follow the routes of your favorite rides on the map.

CHECKING MEMORY CAPACITY

From the ACTIVITY screen, you can find out how much memory is remaining on the device, and get an estimate of how many more hours of rides can still be saved.

1. From the main menu, highlight ACTIVITY, then press ENTER.
2. Highlight MEMORY STATUS, then press ENTER.

A message displays indicating the number of memory points remaining and the estimated record time available.

If you are about to take a ride that is longer than estimated available record time, delete one or more rides to free up memory. See [Deleting a Ride](#) or [Deleting All Rides from Memory](#) for instructions.

CHOOSING RIDES AND VIEWING DATA

View the list of rides from the ACTIVITY INFO screen, and select a ride to view in more detail.

1. From the main menu, highlight ACTIVITY, then press ENTER.
2. Highlight ACTIVITY INFO, then press ENTER.
3. Highlight TRAINING INFO, then press ENTER.

The list of saved rides by date and time displays. The time, distance, average speed, average pace, calories burned, and average heart rate for the ride display at the bottom of the screen.

DAYS		LAPS
03-MAR	11:58:59PM	1
03-MAR	11:41:29PM	1
03-MAR	11:24:38PM	1
03-MAR	05:59:25AM	3
19-FEB	05:52:05AM	1
00:00:54		160 m
10.63k/h		05:38/km
0Cal		0bpm
02:09AM		

4. To view ride details, press ▲ or ▼ to choose a ride, then press ENTER.

The ride details screen displays. You can view all of the data saved from Speedometer mode.

11-NOV-11 14:53:06	
TOTAL:	13.36km
234Cal	00:20:19
AVERAGE:	FASTEST:
39.56kph	50.26kph
01:31/km	01:11/km
150 bpm	150 bpm
40 rpm	40 rpm
VIEW?	TRACK BACK
LAPS?	DELETE?
* 11:59	

To view other data that was recorded, but not visible in this screen, upload the data to Training Peaks. See [Uploading Rides to Training Peaks](#) for more information.

USING THE DETAILS SCREEN

In addition to viewing ride data, there are several other tasks you can perform on the details screen.

VIEWING THE RIDE ROUTE

You can see the ride route on the map.

1. From the ride details screen, highlight VIEW?, then press ENTER.

The map displays indicating the route.

Press ▲ to zoom out, or ▼ to zoom in.

Hold ENTER to return to the ride list.

VIEWING LAPS

View time, distance, average speed, average pace, average heart rate, and route for individual laps.

1. From the ride details screen, highlight LAPS?, then press ENTER.

A list of laps in the ride displays. Lap data appears at the bottom of the screen.

2. To view the lap route, highlight the lap, then press ENTER.

The map displays, indicating the route.

Press ▲ to zoom out, or ▼ to zoom in.

Hold ENTER to return to the lap list.

FOLLOWING THE RIDE ROUTE

You can follow the route again either from beginning to end or from end to beginning.

1. From the ride details screen, highlight TRACK BACK, then press ENTER.

2. Highlight BACKWARD (to follow from end point to start point) or FORWARD (to follow from start point to end point), then press ENTER.

The map displays with the route indicated. The compass arrow indicates the direction to go to follow the route.

See [Following Routes](#) for more information.

DELETING A RIDE

Remove a ride from memory if you no longer need it or to free up memory space.

1. From the ride details screen, highlight DELETE?, then press ENTER.
2. Highlight YES, then press ENTER.

DELETING ALL RIDES FROM MEMORY

Instead of deleting rides individually, you can delete all rides at the same time.

1. From the main menu, highlight ACTIVITY, then press ENTER.
2. Highlight ACTIVITY INFO, then press ENTER.
3. Highlight DELETE ALL, then press ENTER.
4. Highlight YES, then press ENTER.

NAVIGATING WITH THE CYCLE TRAINER

The GPS on the Cycle Trainer powers both the map and the compass features to help you navigate during rides. You can follow routes you have already recorded in Speedometer mode, or you can create waypoints and build routes of your own from them. You can follow routes from the beginning, or from the end to get back to your starting point.

NAVIGATING WITH THE MAP

The map shows your current position, waypoints in a route, a line indicating the route, a compass indicating the direction to the next waypoint, and the distance to the next waypoint.

The map is used to follow the route of a previous ride. You can also construct custom routes.

TURNING THE MAP ON AND OFF

When the map is enabled, it appears in Speedometer mode between the Time screen and Custom screen 1.

1. From the main menu, highlight NAVIGATION, then press ENTER.
2. Highlight ADD MAP MODE (to turn on) or REMOVE MAP (to turn off), then press ENTER.

USING WAYPOINTS

Waypoints are a specific point on the map with unique coordinates. When you build a route, you indicate a series of waypoints to which you will navigate.

CREATING A WAYPOINT

1. Go to the physical location of the waypoint.
2. From the NAVIGATION menu, highlight SAVE WAYPOINT, then press ENTER.
Your current coordinates display.
3. Highlight a field to edit, then press ENTER. You can edit the name, coordinates, and elevation.
4. Press ▲ or ▼ to change letters or numbers, then press ENTER.
5. Highlight CONFIRM?, then press ENTER.
The waypoint appears in the waypoint list.

NAVIGATE TO A WAYPOINT

1. From the NAVIGATION menu, highlight FIND WAYPOINT, then press ENTER.
2. Highlight LIST ALL, then press ENTER.
3. Highlight the waypoint to which you want to navigate, then press ENTER.
4. Highlight GOTO?, then press ENTER.
The map displays with the route to the waypoint indicated. The compass arrow indicates the direction to go to reach the waypoint.

DELETING WAYPOINTS

You can delete all of your saved waypoints, or delete one at a time.

1. From the NAVIGATION menu, highlight FIND WAYPOINT, then press ENTER.
2. To delete all waypoints, highlight DELETE ALL, then press ENTER. Highlight YES, then press ENTER.
3. To delete one waypoint, highlight LIST ALL, then press ENTER.
4. Highlight the waypoint to delete, then press ENTER.
5. Highlight DELETE?, then press ENTER.
The waypoint is immediately deleted.

CREATING AND DELETING CUSTOM ROUTES

A custom route is a sequence of waypoints. You choose which of your saved waypoints to which you will navigate, and in what order.

CREATING A CUSTOM ROUTE

1. From the NAVIGATION menu, highlight ROUTES, then press ENTER.
2. Highlight CREATE NEW, then press ENTER.
3. Highlight a waypoint slot, then press ENTER.
4. Highlight the waypoint to include, then press ENTER.
The waypoint displays in the list.
5. Repeat steps 3 and 4 until all waypoints are included.

DELETING CUSTOM ROUTES

You can delete all of your custom routes, or delete one at a time.

1. From the NAVIGATION menu, highlight ROUTES, then press ENTER.
2. To delete all custom routes, highlight DELETE ALL, then press ENTER. Highlight YES, then press ENTER.
3. To delete one custom route, highlight LIST ALL, then press ENTER.
4. Highlight the custom route to delete, then press ENTER.
5. Highlight DELETE?, then press ENTER.
The custom route is immediately deleted.

FOLLOWING ROUTES

You can follow any of your custom routes on the map. You can follow the route from the start point to the end point, or from the end point to the start.

When you are viewing the map, lines appear between each waypoint, and the compass points in the direction of the next waypoint in the sequence. The distance to the next waypoint appears in the lower right corner of the map.



STARTING A ROUTE

1. From the NAVIGATION menu, highlight ROUTES, then press ENTER.
2. Highlight LIST ALL, then press ENTER.
3. Highlight the route to follow, then press ENTER.
4. Highlight FOLLOW?, then press ENTER.
5. Highlight the point to which you want to navigate (the first or last waypoint in the route), then press ENTER.

The map displays with the selected route.

CHANGING THE MAP VIEW

You can view the map at resolutions between 20 feet and 100 miles.

- Press ▲ to zoom out.
- Press ▼ to zoom in.

NOTE: If you have enabled auto-zoom (see [Configuring the Map](#)), you can still zoom manually. However, the resolution will change automatically based on how close you are to a waypoint.

STOPPING A ROUTE

You can remove the route from the map before you have completed it.

1. From the MAP screen, hold □ to enter the main menu.
2. Highlight NAVIGATION, then press ENTER.
3. Highlight STOP ROUTE, then press ENTER.

NAVIGATING WITH THE COMPASS

The Cycle Trainer compass is similar to a magnetic compass, but rather than using magnetism to help you navigate, it instead finds direction based on a GPS satellite fix. The compass will always point to the North, and you can also set a bearing to follow.

TURNING THE COMPASS ON AND OFF

When the compass is enabled, it appears in Speedometer mode between the Time screen and Custom screen 1.

1. From the main menu, highlight NAVIGATION, then press ENTER.
2. Highlight ADD E-COMPASS (to turn on) or REMOVE COMPASS (to turn off), then press ENTER.

FOLLOWING A BEARING

When you set a bearing, you indicate a line of travel to follow that deviates from North. Degrees are counted clockwise, so a bearing of 90 degrees directs you to the East, while a bearing of 270 degrees directs you to the West.

When you set a bearing, the compass still points North, but an arrow is overlaid on the compass to indicate the bearing you want to follow.

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight ACCESSORIES, then press ENTER.
3. Highlight SET COMPASS, then press ENTER.
4. Highlight FOLLOW BEARING, then press ENTER.
5. Highlight the numeric field, then press ENTER.
6. Press ▲ or ▼ to change the bearing, then press ENTER.
7. Highlight the BEAR field, then press ENTER.
8. Highlight YES, then press ENTER.
The compass displays with the bearing arrow on top of it. Follow the direction of the arrow to follow the bearing.

SETTING THE ALARM

The Cycle Trainer has one alarm that will sound at the specified time at a frequency you choose.

The alarm can be set to sound at the specified time on a specific day of the week, on weekdays only, on weekends only, or every day.

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight SET SYSTEM, then press ENTER.
3. Highlight ALARM, then press ENTER.
4. Highlight the FREQUENCY field, then press ENTER.
5. Press ▲ or ▼ to change the alarm frequency, then press ENTER.
6. Highlight the hours field, then press ENTER.
7. Press ▲ or ▼ to change time setting, then press ENTER.
8. Repeat step 7 for minutes and AM/PM field.

CONFIGURING SETTINGS

The settings changes described in this section are not required, but you can use these settings to get the most out of the Cycle Trainer.

CONFIGURING HANDS-FREE FEATURES

Enable Auto-Hold to automatically pause the timer when your speed drops below a specified threshold. Enable Auto-Lap to automatically take a split at a specified time or distance.

AUTO-HOLD

1. From the ACTIVITY menu, highlight SETTING, then press ENTER.
2. Highlight AUTO HOLD, then press ENTER.
3. Press ENTER, then highlight WHEN STOPPED (to pause the timer when you are not moving) or CUSTOM SPEED (to pause the timer when your speed gets too low) and press ENTER.
4. If you chose CUSTOM SPEED, highlight the PAUSE WHEN BELOW field, then press ENTER.
5. Press ▲ or ▼ to change numbers, then press ENTER.

AUTO-LAP

1. From the ACTIVITY menu, highlight SETTING, then press ENTER.
2. Highlight LAP SETTING, then press ENTER.
3. Press ENTER, then highlight DISTANCE (to take a split after the specified distance) or BY TIME (to take a split when the specified time has elapsed) and press ENTER.
4. Highlight the DISTANCE or TIME field, then press ENTER.
5. Press ▲ or ▼ to change numbers, then press ENTER.

CONFIGURING ALERTS

Set up alerts to let you know when your ride statistics fall outside a specified range. For example, to train for endurance at a 15 mph, set the Speed Alert to sound when you go more than 17 or less than 13 mph.

TIME ALERTS

Set the Time Alert to notify you when a period of time has passed.

1. From the ACTIVITY menu, highlight SETTING, then press ENTER.
2. Highlight ALERTS, then press ENTER.
3. Highlight TIME/DIST, then press ENTER.
4. Highlight the TIME ALERT field, then press ENTER.
5. Highlight ONCE (to alert you when the time period first passes) or REPEAT (to alert you each time the period passes), then press ENTER.
6. Highlight the ALERT AT field, then press ENTER.
7. Press ▲ or ▼ to change numbers, then press ENTER.

DISTANCE ALERTS

Set the Distance Alert to let you know when you have traveled the specified distance.

1. From the ACTIVITY menu, highlight SETTING, then press ENTER.
2. Highlight ALERTS, then press ENTER.
3. Highlight TIME/DIST, then press ENTER.
4. Highlight the DISTANCE ALERT field, then press ENTER.
5. Highlight ONCE (to alert you when you reach the distance the first time) or REPEAT (to alert you each time you travel that distance), then press ENTER.
6. Highlight the ALERT AT field, then press ENTER.
7. Press ▲ or ▼ to change numbers, then press ENTER.

SPEED ALERTS

Set the Speed Alert to help you train for a specific speed. The Alert sounds when you exceed the FAST setting or fall short of the SLOW setting.

1. From the ACTIVITY menu, highlight SETTING, then press ENTER.
2. Highlight ALERTS, then press ENTER.
3. Highlight SPEED/PACE, then press ENTER.
4. Highlight the ALERTS field, then press ENTER.
5. Highlight SPEED, then press ENTER.
6. Highlight the FAST SPEED ALERT field, then press ENTER.
7. Highlight ON, then press ENTER.
8. Highlight the ABOVE field, then press ENTER.
9. Press ▲ or ▼ to change numbers, then press ENTER.
10. Repeat steps 6-9 for the SLOW SPEED ALERT and BELOW fields.

PACE ALERTS

Set the Pace Alert to help you train for a specific number of minutes per mile. The Alert sounds when your pace is lower than the FAST setting or higher than the SLOW setting.

1. From the ACTIVITY menu, highlight SETTING, then press ENTER.
2. Highlight ALERTS, then press ENTER.
3. Highlight SPEED/PACE, then press ENTER.
4. Highlight the ALERTS field, then press ENTER.
5. Highlight PACE, then press ENTER.
6. Highlight the FAST PACE ALERT field, then press ENTER.
7. Highlight ON, then press ENTER.
8. Highlight the BELOW field, then press ENTER.
9. Press ▲ or ▼ to change numbers, then press ENTER.
10. Repeat steps 6-9 for the SLOW PACE ALERT and ABOVE fields.

HEART RATE ALERTS

Set the Heart Rate Alert to help maintain your ride intensity within a specific range (like general fitness or aerobic base building). The Alert sounds when your heart rate falls outside of the zone you specify.

1. From the ACTIVITY menu, highlight SETTING, then press ENTER.
2. Highlight ALERTS, then press ENTER.
3. Highlight HEART RATE, then press ENTER.
4. Highlight the ALERT field, then press ENTER.
5. Highlight CUSTOM (to enter custom zone values) or HR ZONE (to use a zone already set up for the heart rate sensor), then press ENTER.
6. Proceed to the task below that matches the setting you chose in step 5.

SETTING A CUSTOM ZONE

If you chose CUSTOM in step 5, you must set the maximum and minimum values for an acceptable heart rate reading.

1. Highlight the MAX HR ALERT field, then press ENTER.
2. Highlight ON, then press ENTER.
3. Highlight the ABOVE field, then press ENTER.
4. Press ▲ or ▼ to change numbers, then press ENTER.
5. Repeat steps 1-4 for the MIN HR ALERT and BELOW fields.

CHOOSING A HEART RATE ZONE

If you chose HR ZONE in step 5, you must select which heart rate zone you want to stay within.

1. Highlight the ZONE field, then press ENTER.
2. Highlight the zone you want to stay within, then press ENTER.

The maximum and minimum values now match those created when you set up the heart rate sensor.

CADENCE ALERTS

Set the Cadence Alert to help you maintain a constant number of pedal revolutions per minute. The Alert sounds when your cadence is higher than the HIGH setting or lower than the LOW setting.

1. From the ACTIVITY menu, highlight SETTING, then press ENTER.
2. Highlight ALERTS, then press ENTER.
3. Highlight CADENCE, then press ENTER.
4. Highlight the HIGH CAD ALERT field, then press ENTER.
5. Highlight ON, then press ENTER.
6. Highlight the ABOVE field, then press ENTER.
7. Press ▲ or ▼ to change numbers, then press ENTER.
8. Repeat steps 4-7 for the LOW CAD ALERT and BELOW fields.

POWER ALERTS

Set the Power Alert to help you maintain a constant power output. The Alert sounds when your power output falls outside of the zone you specify.

1. From the ACTIVITY menu, highlight SETTING, then press ENTER.
2. Highlight ALERTS, then press ENTER.
3. Highlight POWER, then press ENTER.
4. Highlight the ALERT field, then press ENTER.
5. Highlight CUSTOM (to enter custom zone values) or POWER ZONE (to use a zone already set up for the power sensor), then press ENTER.
6. Proceed to the task below that matches the setting you chose in step 5.

SETTING A CUSTOM ZONE

If you chose CUSTOM in step 5, you must set the maximum and minimum values for an acceptable power reading.

1. Highlight the HIGH POWER ALERT field, then press ENTER.
2. Highlight ON, then press ENTER.
3. Highlight the ABOVE field, then press ENTER.
4. Press ▲ or ▼ to change numbers, then press ENTER.
5. Repeat steps 1-4 for the LOW POWER ALERT and BELOW fields.

CHOOSING A POWER ZONE

If you chose POWER ZONE in step 5, you must select which power zone you want to stay within.

1. Highlight the ZONE field, then press ENTER.
2. Highlight the zone you want to stay within, then press ENTER.

The maximum and minimum values now match those configured for the power sensor.

ALERT MESSAGES

Choose whether to display Alert messages as symbols or full text.

If you choose MESSAGE/BEEPER, full text of the message displays. For example, if your speed is too low, a GO FASTER! message displays.

If you choose SYMBOL/BEEPER, an exclamation point displays when the Alert sounds, but no additional information is given.

1. From the ACTIVITY menu, highlight SETTING, then press ENTER.
2. Highlight ALERTS, then press ENTER.
3. Highlight SETTING, then press ENTER.
4. Highlight the ALERTS field, then press ENTER.
5. Press ▲ or ▼ to choose MESSAGE/BEEPER or SYMBOL/BEEPER, then press ENTER.

CONFIGURING DATA RECORDING OPTIONS

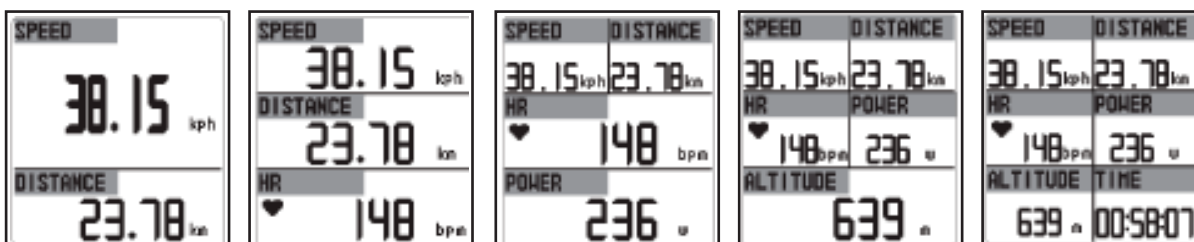
Choose how often data will be recorded from the GPS and other sensors during a ride. More frequent recordings give more accurate readings, but take up more memory in the Cycle Trainer.

Also choose whether the Cycle Trainer uses the GPS or the barometer to find altitude.

1. From the ACTIVITY menu, highlight SETTING, then press ENTER.
2. Highlight DATA RECORD, then press ENTER.
3. Highlight the RECORD DATA POINTS field, then press ENTER.
4. Press ▲ or ▼ to choose EVERY SECOND or CUSTOM TIME, then press ENTER.
5. If you chose CUSTOM TIME, highlight the RECORD EVERY field, then press ENTER.
6. Press ▲ or ▼ to select the number of seconds between each recording, then press ENTER.
7. Highlight ALTITUDE SET, then press ENTER.
8. Highlight FROM GPS or BAROMETER, then press ENTER.

CONFIGURING CUSTOM PAGES

There are 4 custom pages that can display in Speedometer mode. Each of these custom screens can have between 2 and 6 fields that each display different data. Some of this data is recorded when you reset and save a ride, but some are only visible in Speedometer mode or if you upload your ride to Training Peaks.



To set up the custom pages:

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight PAGE SETTING, then press ENTER.
3. Highlight the custom page you want to configure, then press ENTER.
4. Press ▲ or ▼ to select the number of fields to display on the custom page, then press ENTER.
5. Press ▲ or ▼ to highlight a field, then press ENTER.
6. Press ▲ or ▼ to highlight the data to display in that field, then press ENTER.
7. Repeat steps 5 and 6 for each field.

This table describes the data that can display on custom screens.

Data	Description
ALTI MAX	highest altitude reached during this ride
ALTI MIN	lowest altitude reached during this ride
ALTITUDE	your current altitude above sea level
Asc SPEED	rate at which you are gaining altitude
CAD AVG	average RPM of bike crank
CAD INZN	amount of time spent in your cadence zone
CADENCE	current RPM of the bike crank
CAL RATE	number of calories burned per hour
CALORIES	calories burned
CUMULATE+	total gain in altitude
CUMULATE-	total loss in altitude
DISTANCE	total distance traveled
HR	current heart rate
HR%	current heart rate as a percentage of maximum
HR AVG	average heart rate over the entire ride
HR INZN	amount of time spent in your heart rate zone
HR MAX	highest heart rate achieved during this ride
LAP DIST	distance you have traveled during this lap
LAP PACE	average pace for this lap
LAP SPEED	average speed for this lap
LAP TIME	time of this lap

Data	Description
LAPS	number of laps in this ride
PACE	current time per mile
PACE AVG	average time per mile averaged over the entire ride
PACE BEST	fastest pace achieved during this ride
PACE INZN	amount of time spent in your pace zone
PACER	amount of time ahead or behind your target
PACER E	time ahead or behind the trainer Trainer distance
PACER T	time ahead or behind the trainer time
POWER	current power output
POWER AVG	average power in watts averaged over the entire ride
POWER MAX	highest power in watts reached during this ride
PWR ZONE	amount of time spent in your power zone
PRESSURE	barometric pressure at your current location
REST DIST	distance to travel to achieve your goal
SLOPE	steepness of current path (positive indicates uphill, negative indicates downhill)
SPD INZN	amount of time spent in your defined speed zone
SPEED	current speed
SPEED AVG	average speed averaged over the entire ride
SPEED MAX	fastest speed achieved during this ride
TEMP	current temperature
TIME	time of day

CONFIGURING THE LAP SCREEN

You can also configure the data that displays in the message screen that displays when you take a split. There are always two data fields in the lap screen, but you set the data that displays in these fields.

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight PAGE SETTING, then press ENTER.
3. Highlight SET LAP PAGE, then press ENTER.
4. Highlight one of the fields, then press ENTER.
5. Press ▲ or ▼ to highlight the data to display in that field, then press ENTER.
6. Repeat steps 4 and 5 for the second field.

This table describes the data that can display in the lap screen.

Data	Description
LAP TIME	time of this lap
LAP SPLIT	total time of all laps in this ride
LAP DIST	distance you have traveled during this lap
LAP SPEED	average speed for this lap

Data	Description
LAP PACE	average time per mile for this lap
LP AVG HR	average heart rate for this lap
POWER AVG	average power in watts for the lap

SETTING SYSTEM PREFERENCES

Set Cycle Trainer sounds, time standby, and display settings.

SETTING UP SOUNDS

Configure settings for when the Cycle Trainer emits sounds. You can turn sounds OFF, choose MESSAGE ONLY (the device will beep only when a message displays), or KEY AND MESSAGE (the device will beep when messages display and when you press a button).

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight SET SYSTEM, then press ENTER.
3. Highlight the BEEPER field, then press ENTER.
4. Highlight a sound setting, then press ENTER.

SETTING TIME-OF-DAY STANDBY

Time-of-day Standby is the period of time the Cycle Trainer is idle before it automatically returns to the Time screen. You can turn this feature OFF, or set the standby time to 5 or 10 minutes.

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight SET SYSTEM, then press ENTER.
3. Highlight TOD MODE, then press ENTER twice.
4. Highlight a standby setting, then press ENTER.

SETTING UP THE DISPLAY

Configure how long you want the night-light to stay on when it is activated, the language in which screens display, and whether the screen is read vertically or horizontally.

NIGHT-LIGHT

You can set the night-light to STAYS ON (you must press BACK to turn off the night-light once it is activated), or set the period it stays on to 15 seconds, 30 seconds, 1 minute, or 2 minutes.

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight SET SYSTEM, then press ENTER.
3. Highlight DISPLAY, then press ENTER.
4. Highlight the BACKLIGHT field, then press ENTER.
5. Highlight a night-light setting, then press ENTER.

LANGUAGE

The screens can display in English, Spanish, Italian, French, German, or Simplified Chinese.

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight SET SYSTEM, then press ENTER.
3. Highlight DISPLAY, then press ENTER.
4. Highlight the LANGUAGE field, then press ENTER.
5. Highlight a language, then press ENTER.

ORIENTATION

Set the screens to display with either VERTICAL (portrait) or HORIZONTAL (landscape) orientation.

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight SET SYSTEM, then press ENTER.
3. Highlight DISPLAY, then press ENTER.
4. Highlight the ORIENTATION field, then press ENTER.
5. Highlight an orientation, then press ENTER.

CONFIGURING SENSORS

In addition to the heart rate sensor included with the Cycle Trainer, you can connect optional speed, cadence, combined speed/cadence and power sensors to the device to help you train. You can also calibrate the integral barometer.

CONNECTING SENSORS

If you connect a speed or speed/cadence sensor, that sensor will be used to collect speed data instead of the GPS.

Connecting a cadence or speed/cadence sensor is the only way to collect cadence data during your ride.

Install physical sensors according to the manufacturer's instructions, then follow these steps to connect the sensor to the Cycle Trainer.

1. Make sure you are at least 30 feet away from other sensors.
2. Turn on the sensor.
3. From the main menu, highlight CONFIGURATION, then press ENTER.
4. Highlight ACCESSORIES, then press ENTER.
5. Highlight SENSORS, then press ENTER.
6. Highlight the field for the sensor you want to connect, then press ENTER.
7. Highlight SCAN, then press ENTER.

A SEARCHING... message appears. When field changes from SCAN to ON, the Cycle Trainer is receiving data from the sensor.

CONFIGURING A POWER METER

A power meter is a device, usually attached to the bike crank or part of the rear wheel, that measures the amount of force or "work" your feet are applying to the pedals as you ride. This work is measured in watts.

An important term used when discussing training with power meters is "threshold". Threshold is the maximum power output you can sustain for one hour, and is used as an indicator of general muscular endurance; the higher your threshold, the longer your muscles can work without fatiguing.

For more information about threshold and how to train for it, visit the [Training Peaks](#) website.

When you connect a power meter, you can configure the threshold and 6 power zones to help you train for a specific level of power.

SETTING YOUR THRESHOLD

Enter your threshold as a starting point for calculating power zones.

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight ACCESSORIES, then press ENTER.
3. Highlight POWER SETTING, then press ENTER to open the POWER SETTING screen.
4. Highlight the THRESHOLD field, then press ENTER.
5. Press ▲ or ▼ to change numbers, then press ENTER.

SELECTING YOUR POWER VIEW

You can choose to view power data in Watts (W) or as a percentage of your threshold (%).

1. From the POWER SETTING screen, highlight the VIEW field, then press ENTER.
2. Highlight W or %, then press ENTER.

SETTING POWER ZONES

The values for each of the 6 power zones are calculated automatically based on your threshold, but you can instead enter your own values in each zone.

1. From the POWER SETTING screen, highlight the ZONES field, then press ENTER.
2. Highlight CUSTOM, then press ENTER.
3. Highlight a value in the zone, then press ENTER.
4. Press ▲ or ▼ to change numbers, then press ENTER.
5. Repeat steps 3 and 4 for each zone.

CALIBRATING THE BAROMETER

The barometer can be used instead of the GPS to calculate your elevation based on air pressure.

By default, the barometer calibrates automatically, but you can calibrate it manually by entering the sea level pressure for your location. Obtain the sea level pressure from your governmental weather bureau or another reliable source.

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight ACCESSORIES, then press ENTER.
3. Highlight BARO SETTING, then press ENTER.
4. Highlight the CALIBRATION field, then press ENTER.
5. Highlight MANUAL, then press ENTER.
6. Highlight the S.L. PRESSURE field, then press ENTER.
7. Press ▲ or ▼ to change numbers, then press ENTER.
Your current altitude, based on the sea level pressure you entered, displays.

CONFIGURING THE GPS

WAAS/EGNOS is a network of ground stations that monitor satellite data to augment the accuracy of navigation data. The GPS on the Cycle Trainer uses WAAS/EGNOS technology to provide navigational pinpointing within about 3 meters, while a standard satellite fix (without WAAS/EGNOS) is accurate within about 15 meters.

Getting a satellite fix can take longer when WAAS/EGNOS is enabled. You can turn the WAAS/EGNOS feature off to shorten the time required to acquire satellite fixes, but at a potential reduction of accuracy.

You can also turn off the GPS entirely. You may want to do this to conserve battery life during periods when you are not recording rides.

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight GPS SETTING, then press ENTER.
3. Highlight the WAAS/EGNOS field, then press ENTER.
4. Highlight ON or OFF, then press ENTER.
5. Highlight the GPS field, then press ENTER.
6. Highlight ON or OFF, then press ENTER.

VIEWING GPS INFORMATION

You can view the strength of the GPS satellite fix. The more solid bars appear on the left side, the stronger the fix.

There is also a message at the top of the screen that summarizes the strength of the fix:

- 3D FIXED: The GPS can accurately report map coordinates and elevation.
- 2D FIXED: The GPS can accurately report map coordinates, but not elevation.
- WEAK SIGNAL: The GPS has a fix, but the accuracy is not reliable.
- RECEIVING: The GPS is attempting to acquire a fix.

To view the GPS signal information:

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight GPS SETTING, then press ENTER.
3. Highlight GPS INFO, then press ENTER.

CONFIGURING THE MAP

Set the view and the zoom options for the map.

There are two view options: If you select DIRECT TO NORTH, the top of the map always points to the North. If you select BIRD EYE VIEW, the map rotates so that the top of the map points in the direction you are traveling.

There are also two zoom options. AUTO zoom changes the focus of the map based on how close you are to a waypoint. MANUAL zoom lets you change the focus of the map freely by pressing ▲ to zoom out and ▼ to zoom in.

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight MAP MODE SET, then press ENTER.
3. Highlight the view field, then press ENTER.
4. Highlight BIRD EYE VIEW or DIRECT TO NORTH, then press ENTER.
5. Highlight ZOOM IN/OUT, then press ENTER.
6. Highlight AUTO or MANUAL, then press ENTER.

RESETTING THE CYCLE TRAINER

You can reset the Cycle Trainer to the factory settings. All saved rides, waypoints, routes, and user profile data are deleted.

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight FACTORY RESET, then press ENTER.
3. Highlight YES, then press ENTER.

CONNECTING TO A COMPUTER

You can connect the Cycle Trainer to a computer to upgrade firmware, change settings on the Cycle Trainer from the computer, and upload ride data into a Timex Trainer account.

Before you connect to a computer, create a Timex Trainer account and download the Device Agent software for the Cycle Trainer.

CREATING A TIMEX TRAINER ACCOUNT

A Timex Trainer provides useful tools for saving and viewing ride data and organizing your training schedule based on your goals.

1. In a Web browser, navigate to <https://timextrainer.trainingpeaks.com>.
2. Click **Create a new account**.
3. Enter your information and click **Submit**.

INSTALLING THE DEVICE AGENT

The Device Agent is software that runs on your computer. It allows you to connect the Cycle Trainer to your computer so you can upgrade firmware and transfer data and settings between the computer and the device.

1. In a Web browser, navigate to www.timexironman.com/deviceagent.
2. Click the download link for the Cycle Trainer 2.0™.
3. Follow the prompts to install the Device Agent.

UPGRADING THE FIRMWARE

New firmware for the Cycle Trainer is released periodically to improve functionality of the device.

The newest firmware is available online; obtain it with the Device Agent software.

DETERMINING THE CURRENT FIRMWARE VERSION

1. From the main menu, highlight CONFIGURATION, then press ENTER.
2. Highlight ABOUT PRODUCT, then press ENTER.

The current firmware version displays.

CONNECTING THE CYCLE TRAINER

1. Insert the large USB plug into a USB port on the computer.
2. Insert the small USB plug into the port on the back of the Cycle Trainer.
3. Turn on the Cycle Trainer.
4. When the CONNECT TO PC? message displays, highlight YES, then press ENTER.
5. Open the Device Agent.

DOWNLOADING THE LATEST FIRMWARE


1. In the Device Agent, click **Settings**.
The Device Agent checks for new firmware versions.
2. If new firmware is available, click **Download Now**.
The new firmware download link displays.
3. Click the download link and save the file to your computer.

SAVING CYCLE TRAINER SETTINGS

When you upgrade the firmware, your configuration settings are erased from the device. To preserve them, save the settings so you can restore them once the firmware is upgraded.

1. In the Device Agent, click **Configure**, then click **GPS**.
2. Click **Export**.
3. Name the settings file and save it to your computer.

APPLYING NEW FIRMWARE TO THE CYCLE TRAINER

1. On the Cycle Trainer, hold  to enter the main menu.
2. Highlight CONFIGURATION, then press ENTER.
3. Highlight SYSTEM UPGRAD, then press ENTER.
4. In the Device Agent, click **File**, then click **Update Device**.
5. When prompted, select the firmware file you saved to your computer.

A progress bar displays on the Cycle Trainer.

IMPORTANT: Do not disconnect the Cycle Trainer from the computer or interrupt the upgrade process before it is completed.

The Cycle Trainer will shut down when the upgrade is complete.

RESTORING SAVED SETTINGS

1. Turn on the Cycle Trainer.
2. When the CONNECT TO PC? message displays, highlight YES, then press ENTER.
3. In the Device Agent, click **Settings**.
4. Click **Configure**, then click **GPS**.
5. Click **Import**.
6. Select the settings file you saved to your computer, then click **Save**.

DOWNLOADING SETTINGS TO THE CYCLE TRAINER

Make changes to Cycle Trainer settings from the Device Agent, and then download those settings to the device.

1. Connect the Cycle Trainer to the computer as described in [Connecting the Cycle Trainer](#).
2. In the Device Agent, click **Configure**.
3. In the Device Agent, change settings, then click **Save**.
4. When the setting transfer is complete, close the Device Agent and unplug the Cycle Trainer from the computer.

UPLOADING RIDES TO TRAINING PEAKS

Upload ride data to Training Peaks to help you analyze and plan your training regimen.

1. Connect the Cycle Trainer to the computer as described in [Connecting the Cycle Trainer](#).
2. In the Device Agent, click **Download from Device**.
3. When ride data transfer is complete, close the Device Agent and unplug the Cycle Trainer from the computer.

TROUBLESHOOTING

Follow these steps to solve problems that may arise when using the Cycle Trainer.

PROBLEMS WITH THE HEART RATE SENSOR

If the Cycle Trainer is not receiving a signal from the heart rate sensor, or the reading is inconsistent:

1. Make sure the heart rate sensor is fitted correctly. See [Fitting the Sensor Strap](#) for more information.
2. Make sure that the heart rate sensor is paired to the Cycle Trainer. See [Pairing the Heart Rate Sensor](#) for more information.
3. Check the battery on the heart rate sensor.

PROBLEMS CONNECTING TO A COMPUTER

If you cannot download settings or upload ride data:

1. Make sure the USB cable is connected to both the computer and the Cycle Trainer.
2. Make sure the Cycle Trainer is turned on.
3. Make sure the Device Agent is open on the computer.
4. Make sure you have selected CONNECT TO PC on the Cycle Trainer.
5. In the Device Agent, make sure you have selected the Cycle Trainer from the **Device** drop down menu.

WATER RESISTANCE

The Cycle Trainer is resistant to rain, splashes, and other casual contact with water, but should never be submerged in any liquid.

WARRANTY AND SERVICE

Timex International Warranty (U.S. Limited Warranty)

Your Timex® GPS watch is warranted against manufacturing defects by Timex for a period of ONE YEAR from the original purchase date. Timex Group USA, Inc. and its worldwide affiliates will honor this International Warranty.

Please note that Timex may, at its option, repair your Timex® product by installing new or thoroughly reconditioned and inspected components or replace it with an identical or similar model.

IMPORTANT: PLEASE NOTE THAT THIS WARRANTY DOES NOT COVER DEFECTS OR DAMAGES TO YOUR PRODUCT:

1. after the warranty period expires;
2. if the product was not originally purchased from an authorized Timex retailer;
3. from repair services not performed by Timex;
4. from accidents, tampering or abuse; and
5. lens or crystal, strap or band, sensor case, attachments or battery. Timex may charge you for replacing any of these parts.

THIS WARRANTY AND THE REMEDIES CONTAINED HEREIN ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE.

TIMEX IS NOT LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some countries and states do not allow limitations on implied warranties and do not allow exclusions or limitations on damages, so these limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from country to country and state to state.

To obtain warranty service, please return your GPS watch to Timex, one of its affiliates or the Timex retailer where the GPS watch was purchased, together with a completed original Repair Coupon or, in the U.S. and Canada only, the completed original Repair Coupon or a written statement identifying your name, address, telephone number and date and place of purchase. Please include the following with your GPS watch to cover postage and handling (this is not a repair charge): a US\$ 8.00 check or money order in the U.S.; a CAN\$7.00 cheque or money order in Canada; and a UK£2.50 cheque or money order in the U.K. In other countries, Timex will charge you for postage and handling. NEVER INCLUDE ANY ARTICLE OF PERSONAL VALUE IN YOUR SHIPMENT.

For the U.S., please call 1-800-328-2677 for additional warranty information. For Canada, call 1-800-263-0981. For Brazil, call +55 (11) 5572 9733. For Mexico, call 01-800-01-060-00. For Central America, the Caribbean, Bermuda and the Bahamas, call (501) 370-5775 (U.S.). For Asia, call 852-2815-0091. For the U.K., call 44 208 687 9620. For Portugal, call 351 212 946 017. For France, call 33 3 81 63 42 00. Germany/Austria: +43 662 88921 30. For the Middle East and Africa, call 971-4-310850. For other areas, please contact your local Timex retailer or Timex distributor for warranty information. In Canada, the U.S. and in certain other locations, participating

Timex retailers can provide you with a postage-paid, Repair Mailer for your convenience in obtaining factory service.

TIMEX INTERNATIONAL WARRANTY REPAIR COUPON	
Original Purchase Date:	_____
(attach a copy of sales receipt, if available)	
Purchased by:	_____
(name, address, telephone number)	
Place of Purchase:	_____
(name and address)	
Reason for Return:	_____

DECLARATION OF CONFORMITY

Manufacturers Name: Timex Group USA, Inc.

Manufacturers Address: 555 Christian Road
Middlebury, CT. 06762
United States of America

Declares that the product:

Product Name: Timex Cycle Trainer 2.0 GPS

Model Number: M242

Conforms to the following specifications:

R&TTE: 1999/05/EC

Standards: EN 300 440-1 V1. 6.1 (2010-08)
EN 300 440-2 V1. 4.1 (2010-08)
EN 301 489-1 V1. 8.1 (2008-04)
EN 301 489-3 V1. 4.1 (2002-08)
EN 55022: 2006+A1: 2007, Class B
EN 61000-4-2: 2009
EN 61000-4-3: 2006+A1: 2008+A2: 2010

Digital Device Emissions

Standards
FCC Part 15, Subpart B, Class B
CISPR 22: 1997, Class B
ANSI C63.4: 2003

Immunity

Standards
EN 55022: 2006+A1: 2007, Class B
EN 55024: 1998+A1: 2001+A2: 2003
IEC 61000-4-2: 2008 ED. 2.0
IEC 61000-4-3: 2006+A1: 2007 ED. 3.0
IEC 61000-4-8: 2009 ED. 2.0

LVD: 2006/95/EC

Standards: EN 60950-1: 2006 + A11: 2009 + A1: 2010

Supplemental Information: The product herewith carries the CE marking accordingly.

Agent: 
Ramon Bayona, Director of QA & Regulatory
Date: 12 Dec. 2011 Middlebury, CT. USA

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