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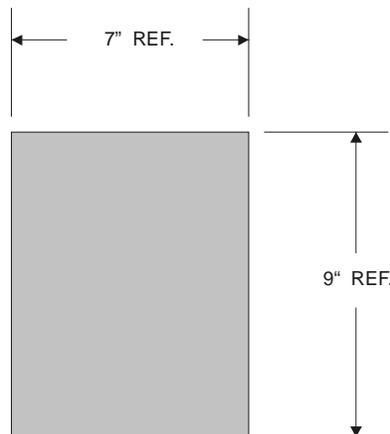
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***935i, 905 Stairclimbers***  
OPERATION MANUAL

M051-00K47-A108

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M051-00K47-A108

10/06

Before using this product, it is essential to read this ENTIRE operation manual and ALL installation instructions.

This will help in setting up the equipment quickly and in instructing others on how to use it correctly and safely.

Avant toute utilisation de ce produit, il est indispensable de lire ce manuel d'utilisation dans son INTÉGRALITÉ, ainsi que TOUTES les instructions d'installations.

Ce manuel explique comment installer l'équipement et comment l'utiliser correctement et sans danger.

#### FCC Warning - Possible Radio / Television Interference

**NOTE:** *This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the operation manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.*

Class SB (Studio): Professional and / or commercial use.



**CAUTION:** Any changes or modifications to this equipment could void the product warranty.



**MISE EN GARDE:** Tout changement et toute modification de ce matériel peut annuler la garantie du produit.

Any service, other than cleaning or user maintenance, must be performed by an authorized service representative. There are no user-serviceable parts.

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This Operation Manual describes the functions of the following products:

Life Fitness stairclimber:

**93Si, 90S**

See Section 7, titled *Specifications* page in this manual for product-specific features.

Statement of Purpose: The Life Fitness stairclimber is an exercise machine that simulates the movements of walking up stairs at various speeds.



**CAUTION: Life Fitness STRONGLY recommends seeing a physician for a complete medical exam before undertaking an exercise program, particularly if the user has a family history of high blood pressure or heart disease, is over the age of 45, smokes, has high cholesterol, is obese, or has not exercised regularly in the past year.**

If, at any time while exercising, the user experiences faintness, dizziness, pain, or shortness of breath, he or she must stop immediately.



**MISE EN GARDE: Life Fitness conseille VIVEMENT de consulter un médecin pour subir un examen médical complet avant de commencer tout programme d'exercice, et tout particulièrement si l'utilisateur a des antécédents familiaux d'hypertension ou de troubles cardiaques, ou s'il a plus de 45 ans, s'il fume, s'il a du cholestérol, s'il est obèse ou n'a pas fait d'exercice régulièrement depuis un an.**

Si, pendant l'utilisation de l'appareil, l'utilisateur ressent un malaise, des vertiges, des douleurs ou des difficultés à respirer, il doit cesser immédiatement.

# 1 GETTING STARTED

## 1.1 IMPORTANT SAFETY INSTRUCTIONS



**SAFETY WARNING:** The safety of the product can be maintained only if it is examined regularly for damage and wear. See Preventative Maintenance section for details.

- Use this appliance only for its intended use as described in this manual. Do not use attachments that have not been recommended by the manufacturer.
- If the Life Fitness stairclimber has been dropped, damaged, or partially immersed in water, contact Life Fitness Customer Support Services and do not use the unit.
- Be very careful not to allow other people to interfere in any way with the user or equipment while their exercise routine is in progress.
- Always follow the console instructions for proper operation.
- Close supervision is necessary when used near children, invalids or disabled persons.
- Do not use the Life Fitness stairclimber outdoors, near swimming pools, or in areas of high humidity.
- Never insert objects into any opening of the product. If an object should drop inside, carefully retrieve it while the unit is not in use. If the object cannot be reached, contact Life Fitness Customer Support Services.
- Never place liquids of any type directly on the unit, except in an accessory tray or holder. Containers with lids are recommended.
- Wear shoes with rubber or high-traction soles. Do not use shoes with heels, leather soles, cleats, or spikes. Make sure no stones are embedded in the soles.
- Do not use this product with bare feet.
- Keep all loose clothing, shoelaces, and towels away from moving parts.
- Do not reach into, or underneath, the unit or tip it on its side during operation.
- Keep the area around the Life Fitness stairclimber clear of any obstructions, including walls and furniture. Provide at least three feet of clearance behind the unit.
- Use caution when stepping on or off of the Life Fitness stairclimber.
- Never face backward while using the product.
- An American Society for Testing and Materials (ASTM) safety sign has been shipped with the Life Fitness stairclimber. Post the sign in a visible area near the unit.

**SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.**

# 1 POINT DE DÉPART

## 1.1 CONSIGNES DE SÉCURITÉ IMPORTANTES



**CONSIGNE DE SÉCURITÉ : pour un emploi sûr, le produit doit être inspecté régulièrement afin de s'assurer qu'il n'est pas usé ni endommagé. Consultez la section de Maintenance préventive pour obtenir de plus amples informations.**

- Cet appareil ne doit être employé que pour l'usage auquel il est destiné, conformément aux directives de son manuel. N'utilisez pas d'accessoires qui ne seraient pas recommandés par le fabricant.
- Si le marchepied d'exercice Life Fitness a subi une chute, s'il a été endommagé ou s'il est tombé dans l'eau, contactez le service clientèle de Life Fitness et n'utilisez pas l'appareil.
- Assurez-vous que personne ne gêne l'utilisateur ou ne nuise au fonctionnement de l'appareil pendant qu'il fonctionne.
- Pour un fonctionnement correct, suivez toujours les instructions de la console.
- Une surveillance étroite est nécessaire en cas d'utilisation par des enfants, des personnes invalides ou handicapées.
- N'utilisez pas ce produit à l'extérieur, près d'une piscine ou dans des endroits très humides.
- N'insérez jamais d'objet dans les ouvertures de cet appareil. Si un objet tombe dedans, coupez l'alimentation électrique, débranchez le cordon de la prise et récupérez-le avec précaution. Si vous ne pouvez pas l'atteindre, consultez le service après-vente de Life Fitness.
- Ne placez jamais de liquides d'aucune sorte directement sur l'appareil, sauf si vous disposez d'un support ou d'un plateau pour accessoires. Il est recommandé d'utiliser des verres munis d'un couvercle.
- Portez des chaussures avec semelles en caoutchouc ou antidérapantes. N'utilisez pas de chaussures à talons, de semelles en cuir ou à crampons. Assurez-vous qu'aucun caillou ne s'est incrusté dans les semelles.
- N'utilisez pas cet appareil sans chaussures.
- Maintenez les vêtements lâches, les lacets et les serviettes à l'écart des pièces en mouvement.
- Ne placez pas les mains sous ou dans l'appareil, et ne le renversez pas sur le côté pendant le fonctionnement.
- Maintenez la zone autour du produit Life Fitness exempte d'obstructions, y compris de murs et de meubles. Veillez à laisser au moins 30 cm d'espace autour du Life Fitness stairclimber.
- Procédez avec précaution lors du montage ou du démontage du Life Fitness stairclimber.
- N'utilisez jamais cet appareil en vous tournant vers l'arrière.
- Un panneau de sécurité de l'American Society for Testing and Materials (ASTM) a été livré avec le marchepied d'exercice Life Fitness. Il doit être placé dans un endroit visible, proche de l'appareil.

**CONSERVEZ CES INSTRUCTIONS POUR USAGE ULTÉRIEUR.**

## 1.2 SETUP

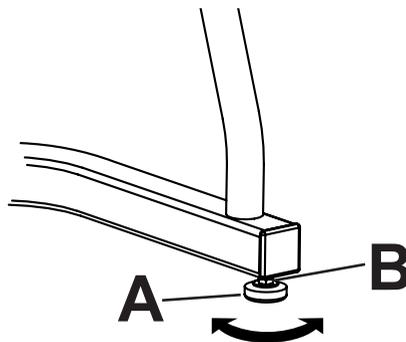
Read the entire Operation Manual before setting up the Life Fitness Stairclimber.

### WHERE TO PLACE THE LIFE FITNESS® STAIRCLIMBER

Following all safety instructions in Section 1.1, move the Life Fitness Stairclimber to the location in which it will be used. See Section 7, titled *Specifications*, for the dimensions of the footprint. Allow a distance of 8 inches, or 21 centimeters, between the Life Fitness Stairclimber and other units on either side. Allow a distance of 3 feet, or 1 meter, from the rear of the Life Fitness Stairclimber to any object or surface.

### HOW TO STABILIZE THE LIFE FITNESS STAIRCLIMBER

After placing the Life Fitness Stairclimber in position, check the unit's stability by attempting to rock it in all directions. Any slight rocking indicates that the unit must be leveled. Determine which foot is not resting completely on the floor. Loosen the jam nut (B) with an open-end 9/16-inch wrench, and rotate the stabilizing foot (A) to lower it. Verify that the stairclimber is stable, and repeat the adjustment as necessary until the unit no longer rocks. Lock the adjustment by tightening the jam nut against the stabilizer bar.



## HOW TO CHARGE THE BATTERY

The Life Fitness Stairclimber is powered by a rechargeable 6V battery. Check the battery by pressing the START key or by stepping on the pedals. If the battery is charged, the console lights up, making it possible to program a workout. See section 4, titled *The Workouts*, for detailed information on programming workouts.

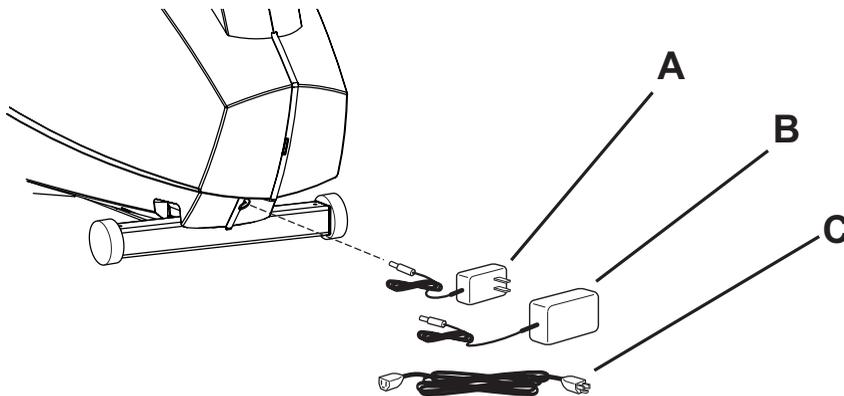
If the display console does not light up, the unit must be re-charged. To do so, use the optional plug-in charging unit. The charger should be connected to the stairclimber for a minimum of eight hours to ensure a thorough charge. The unit may be used while the battery is being charged.

Life Fitness recommends charging the unit overnight at least once per week to ensure a long life for the battery under the following conditions:

- The Life Fitness Stairclimber is operated consistently by users who weigh less than 120 pounds
- Workout durations are consistently less than 20 minutes
- Usage is less than two hours per day

To recharge the Life Fitness Stairclimber battery on domestic models, first plug the charger's (A) AC power cord into an electrical outlet. Then, plug the charging cable into the stairclimber jack, which is located at the front of the unit, near the floor.

To recharge the Life Fitness Stairclimber battery on international models, first plug the AC power cord (C) into the charger (B). Next, plug the power cord into an electrical outlet. Then, plug the charging cable into the stairclimber jack, which is located at the front of the unit, near the floor.



The plug must be inserted into an electrical outlet that has been properly installed and grounded in accordance with all local codes and ordinances.

*\*If the console display does not light up after the proper charging procedure is followed, call Customer Support Services.*

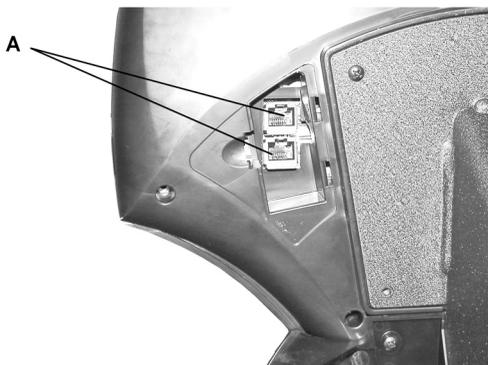
Location	Voltage	Frequency Hz	Current AMPs
United Kingdom	230	50	1
Federal Republic of Germany, France, Netherlands, Italy, Chile, Belgium, Korea, Argentina, Spain	230	50	1
Latin America	110/220	60	1
Japan	200	50/60	1
Australia	240+	50	1
U.S., Canada	120	60	1

## FITNESS AND ENTERTAINMENT NETWORKING

Two interchangeable network ports allow the Life Fitness Stairclimber to be connected to a fitness entertainment system and/or a network, such as the FitLinxx™ interactive fitness network.

- **Fitness network:** The network connection enables the console to upload user workout statistics to a fitness network database or to download remotely stored information, such as a pre-set workout program. See Section 4.2, titled *Using the Workouts*, for information on logging onto a network.
- **Entertainment:** The network connection enables the console to power third-party equipment for use with a service such as the Cardio Theater® entertainment system or the BroadcastVision™ entertainment system. With the Entertainment Controls Kit, which is available from these service providers, the stairclimber is enhanced to include volume and channel controls.

The network ports are located on the back of the console and are enclosed by a removable cover. Any use of the ports for other than their intended purpose could void the product warranty.

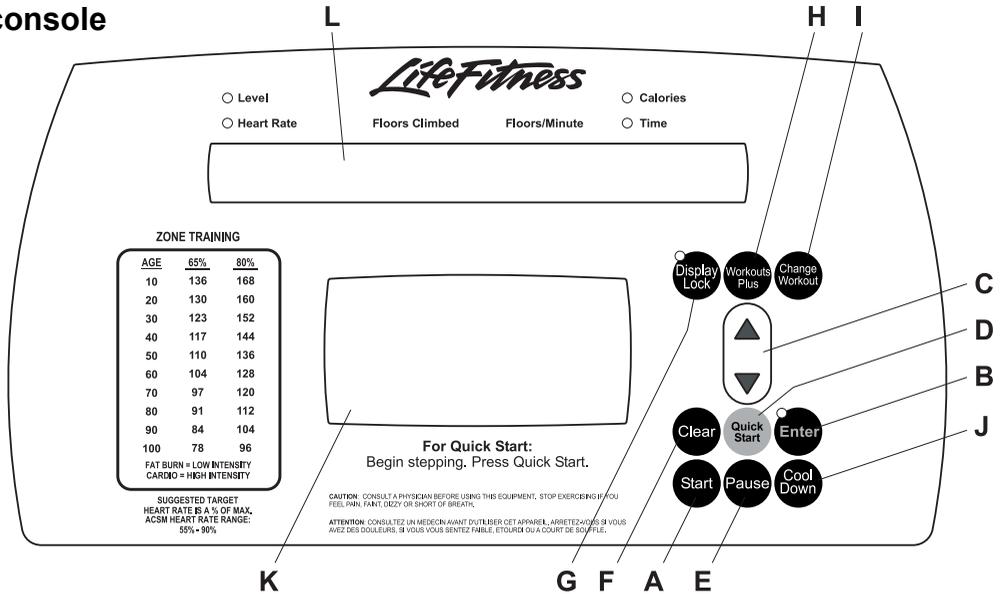


# 2 THE DISPLAY CONSOLE

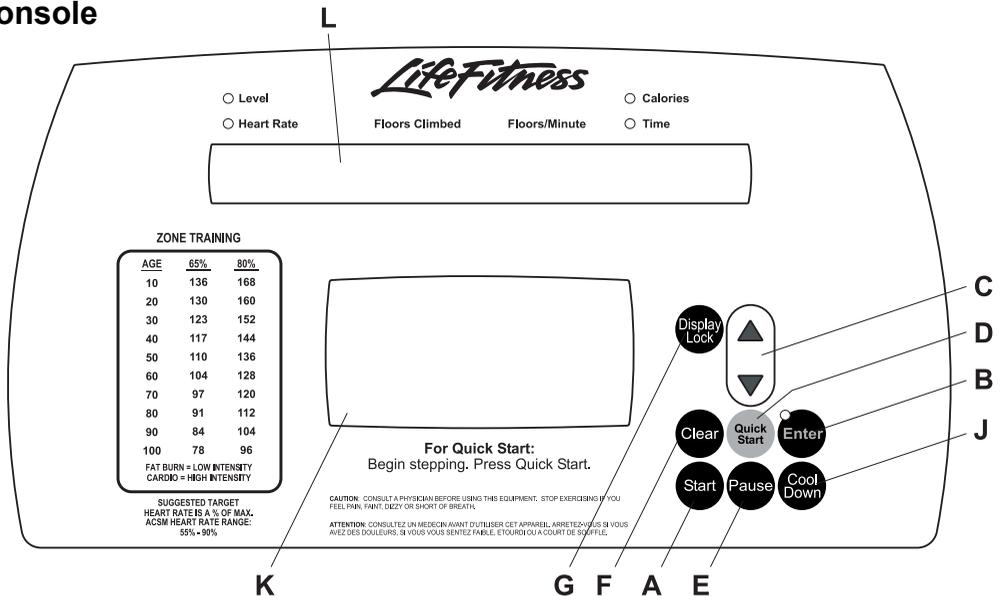
## 2.1 DISPLAY CONSOLE OVERVIEW

The computerized display console on the Life Fitness Stairclimber allows the user to tailor a workout to personal fitness abilities and goals and to monitor progress. With this easy-to-use console the user can track fitness improvement from one workout to the next.

### The 93Si console display



### The 90S console display



## 2.2 DISPLAY CONSOLE DESCRIPTIONS

The functions for the keys and display windows on the Life Fitness Stairclimber console are listed and described in this section. See Section 4, titled *The Workouts*, for detailed information on using the console to set up workouts.

**A** **START:** Press this key to activate the console for programming a new workout. The activated console lights up and displays **SELECT WORKOUT USING ARROW KEYS OR PRESS QUICK START**. If no key is pressed, the console shuts down again.

***NOTE:** The Life Fitness Stairclimber's AutoStart feature activates the console when the user stands on the pedals and begins stepping.*

**B** **ENTER:** Press this key after entering each value, such as weight or workout time, when prompted by console display messages.

**C** **ARROW keys:** Use the **UP** and **DOWN ARROW** keys to change workout parameters displayed on the console, such as length of workout, weight, age, target heart rate, and intensity level. On the 93Si model, pressing these keys during a **FAT BURN** or **CARDIO** workout increases or decreases the target heart rate.

**D** **QUICK START:** Press this key to begin a manual workout immediately, without having to select a workout. Once the workout is in progress, use the **ARROW KEYS** to change the intensity level or workout duration as desired.

**E** **PAUSE:** Press this key to pause a workout in progress. Press it again and resume climbing to continue the workout. The workout can be paused for a maximum duration of 60 seconds. During that time, it is possible to step off and back on without stopping the workout. However, after 60 seconds elapse, the console automatically shuts down.

**F** **CLEAR:** Press this key, when programming a workout, to clear incorrect data, such as weight or age, before pressing the **ENTER** key. Pressing **CLEAR** during a workout stops it immediately, at which point, the **MESSAGE CENTER** displays information about the workout, such as total time elapsed, total calories burned, and total floors climbed. Pressing **CLEAR** a second time causes the **MESSAGE CENTER** to prompt the user for a new workout setup.

**G** **DISPLAY LOCK:** During a workout, the **MESSAGE CENTER** alternately displays the number of **CALORIES** burned and the amount of **TIME** elapsed. Pressing the **DISPLAY LOCK** key when the **MESSAGE CENTER** displays either statistic, forces the **MESSAGE CENTER** to display that statistic continuously throughout the workout. Pressing **DISPLAY LOCK** again allows the **MESSAGE CENTER** to resume toggling between both statistics.

- H** **WORKOUTS PLUS (93Si only):** Press this key to access additional workout options, including the six pre-configured hill workouts. See Section 4, titled *The Workouts*, for details. The following workouts may be accessed with this key:
- **WATTS**
  - **METS**
  - **AROUND THE WORLD**
  - **KILIMANJARO**
  - **INTERVAL**
  - **CASCADES**
  - **SPEED TRAINING**
  - **FOOTHILLS**
  - **FIT TEST**
- I** **CHANGE WORKOUT (93Si only):** Press this key to switch to another workout while a workout is in progress.
- J** **COOL DOWN:** Workouts end automatically in a Cool Down mode, which lowers the intensity level. Press the COOL DOWN key at any desired point during a workout to go immediately into Cool Down mode. In this phase of a workout the body begins to remove lactic acid and other accumulated by-products of exercise, which build up in muscles during a workout and contribute to muscle soreness. The console automatically adjusts each workout's Cool Down level according to the individual user's performance. Each time the user presses the COOL DOWN key, the Cool Down duration shortens by one minute.
- K** **WORKOUT PROFILE WINDOW:** This window displays shapes, made of columns of lights, that represent the levels of intensity in a workout-in-progress. The height of the column is proportional to the level of the intensity.

During a **FAT BURN** (available on 93Si) or **CARDIO** (available on 93Si) workout, which requires the use of the Lifepulse System Sensors or Polar heart rate chest strap, the WORKOUT PROFILE window displays a heart shape to request the user's heart rate signal. If the console does not detect a signal, the MESSAGE CENTER displays the prompt, "NEED HEART RATE - PLACE HANDS ON SENSORS OR USE TELEMETRY STRAP". If the console does not receive the signal within three minutes, the workout automatically is converted to a **MANUAL** workout. Profiles are not available for **FAT BURN** or **CARDIO**. In these workouts, the level is based on the heart rate. Therefore, the profile cannot be displayed.

**L MESSAGE CENTER:** This window displays step-by-step instructions for setting up a workout. When a workout is in progress, it displays statistics about the progress of the workout, as seen below:

- **Time:** time elapsed since the start of the workout.
- **Level:** programmed intensity level.
- **Floors/Minute:** rate of floors climbed per minute.
- **Calories:** number of calories burned since beginning the workout; based on a calculation involving the entered weight of the user and the step rate. If the user does not enter weight during the workout setup, the computer does not make this calculation.
- **Heart Rate:** detected heart rate if the user is gripping the Lifepulse System Sensors or wearing the chest strap.
- **Floors Climbed:** number of floors climbed since the start of the workout, based on a calculation involving the step rate.

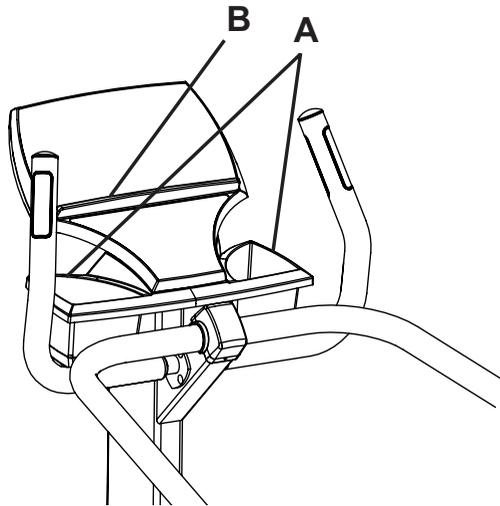
The MESSAGE CENTER also can be programmed to display any of the following three values each time the intensity level changes during the workout. See Section 5, titled *Optional Settings*, for more information.

- **Calories per Hour:** rate of calories burned per hour.
- **Watts:** effort level in Watts. The Watt is a unit of power output or the expression of the mechanical rate of work.
- **Mets:** effort level in Mets. The Met is an expression of the rate of work for the human body, or a metabolic equivalent; one Met is approximately equal to the metabolism of a person at rest.

**Note:** *The Watts display and the Calories Per Hour display cannot be turned on at the same time.*

## 2.3 THE ACCESSORY TRAY

The accessory tray (A), which is mounted to the base of the console, provides dual storage trays with space for items such as water bottles, personal stereos, and cell phones. Additionally, an integrated reading rack (B) for supporting a book or magazine is located at the base of the upper panel of the console. The tray is standard on the 93Si model and optional on the 90S model. To order it, call Life Fitness Customer Support Services. See Section 6.4, titled *How to Obtain Product Service*.



# 3 HEART RATE ZONE TRAINING EXERCISE

## 3.1 WHY HEART RATE ZONE TRAINING EXERCISE?

Research shows that maintaining a specific heart rate while exercising is the optimal way to monitor the intensity of a workout and to achieve maximum results. That is the idea behind the Life Fitness heart rate zone training approach to exercise.

Zone training identifies an exerciser's ideal heart rate range, or zone, for burning fat or increasing cardiovascular fitness. The values within the zone depend on the workout.

**NOTE:** Consulting a fitness trainer is recommended for defining specific fitness goals and designing a workout program.

ZONE TRAINING		
FAT BURN = LOW INTENSITY		
CARDIO = HIGH INTENSITY		
AGE	65%	80%
10	136	168
20	130	160
30	123	152
40	117	144
50	110	136
60	104	128
70	97	120
80	91	112
90	84	104
100	78	96

SUGGESTED TARGET  
HEART RATE AS % OF MAX  
ACSM HEART RATE RANGE:  
55% - 90%

The Life Fitness Stairclimber features exclusive workouts designed to take full advantage of the benefits of heart rate zone training exercise. **FAT BURN** or **CARDIO** are available on the 93Si. For detailed information about these workouts, see Section 4, titled *The Workouts*.

During one of these workouts, grasp the Lifepulse System Sensors continuously or wear the optional telemetry chest strap to enable the Life Fitness Stairclimber's on-board computer to monitor the heart rate. The computer automatically adjusts the resistance level to maintain the target heart rate\* based on the actual heart rate. To change the target heart rate during a workout, use the ARROW keys.

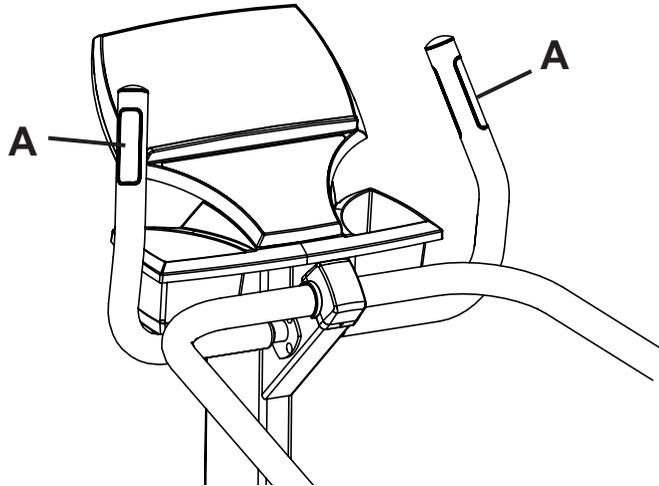
\* Target Heart Rate (THR) is a percentage of the theoretical maximum. For example, a 40-year-old user's THR for the **CARDIO** workout is 144. This workout targets 80 percent of the maximum, so the equation would be  $(220-40) \cdot 80 = 144$ . A 20-year-old user's THR is 160, so the equation would be  $(220-20) \cdot 80 = 160$ .

## 3.2 HEART RATE MONITORING

### THE LIFEPULSE™ DIGITAL HEART RATE MONITORING SYSTEM

The patented Lifepulse system sensors are the built-in heart rate monitoring system on the Life Fitness stairclimber. Grasp the stainless steel sensors (A) that are set into the “bull horn” handlebars. The console displays the heart rate after 10 to 40 seconds.

Grasp both sensors (A) on each handlebar comfortably for the console to obtain an accurate heart rate reading.



## THE POLAR® TELEMETRY HEART RATE MONITORING CHEST STRAP

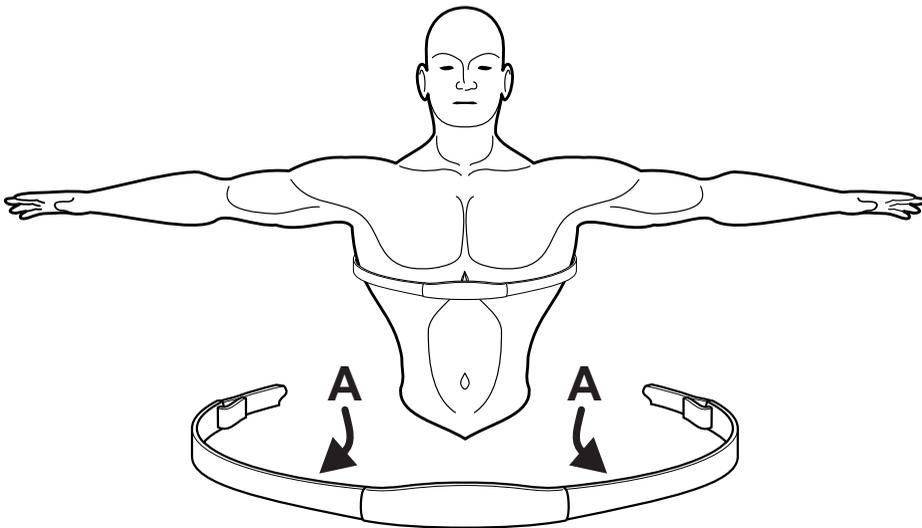
The Life Fitness Stairclimber is equipped with the Polar® heart rate monitoring system in which electrodes, pressed against the skin, transfer heart rate signals to the console. These electrodes are attached to a chest strap that the user wears during the workout. The chest strap is optional. To order it, call Life Fitness Customer Support Services. See Section 6.4, titled *How to Obtain Product Service*.

See the diagram below for correct positioning of the strap. The electrodes (A), which are the two grooved surfaces on the underside of the strap, must remain wet to transmit accurately the electrical impulses of the heart back to the receiver. Moisten the electrodes. Then, secure the strap as high under the chest muscles as possible. The strap should be snug, but comfortable enough to allow for normal breathing.

The transmitter strap delivers an optimal heart rate reading when the electrodes are in direct contact with skin. However, it also functions properly through a thin layer of wet clothing.

If it becomes necessary to re-moisten the chest strap electrodes, grasp the center of the strap, pull it away from the chest to expose the two electrodes, and moisten them.

**NOTE:** *If the Lifepulse system sensors are grasped while the chest strap is worn, and if the signals from the sensors are valid, the on-board computer uses the sensor signals for calculating the heart rate instead of those transmitted with the chest strap.*



# 4 THE WORKOUTS

## 4.1 WORKOUT OVERVIEWS

This section lists the Life Fitness Stairclimber pre-programmed workouts. For more detailed information, see Section 4.2, titled *Using the Workouts*.

**QUICK START** is the fastest way to begin exercising, and it bypasses the steps involved in selecting a specific workout. Once **QUICK START** is selected, a constant-level workout begins. The intensity level does not change automatically.

**FAT BURN** (93Si only) is a lower-intensity workout for burning the body's fat reserves. The user must wear a heart rate chest strap. The workout automatically adjusts the intensity level, based on the actual heart rate, to maintain the rate at 65 percent of the theoretical maximum.<sup>†</sup>

**CARDIO** (93Si only) is a higher intensity workout for more fit users, emphasizing cardiovascular benefits and maximum fat burning. The user must wear a heart rate chest strap. The workout automatically adjusts the intensity level, based on the actual heart rate, to maintain the rate at 80 percent of the theoretical maximum.

**HILL** is an interval-training workout combining "hills" and "valleys" of different intensity levels, which is proven to provide effective, time-efficient cardiovascular results.

**RANDOM** is an interval training workout of constantly changing intensity levels that occur in no regular pattern or progression to challenge the user.

**MANUAL** is a workout in which the intensity level does not change automatically.

The following workouts, available on the 93Si model, are accessed by pressing the **WORKOUTS PLUS** key :

**AROUND THE WORLD** is an interval-training workout in which the hills resemble scenes of various geographical areas.

**KILIMANJARO** is a Hill workout in which the intensity levels gradually incline toward one ultimate peak and then gradually decline.

**INTERVAL** is a Hill workout in which intensity levels rise and fall. The higher levels gradually incline toward a peak and then gradually decline.

**CASCADES** is a two-peak workout in which intensity levels gradually incline and decline.

**SPEED TRAINING** is a Hill workout in which the intensity level alternates between high and low levels very quickly to simulate a typical speed training workout.

**FOOT HILLS** is a rolling hill workout with low intensity levels.

**FIT TEST** measures cardiovascular fitness compared to other people of the same age and gender.

<sup>†</sup> Defined by the American College of Sports Medicine's "Guidelines for Exercise Testing and Prescription" as equal to 220 minus an individual's age.

\* Target Heart Rate (THR) is a percentage of the theoretical maximum. For example, a 40-year-old user's THR for the **HEART RATE HILL** workout is 144. This workout targets 80 percent of the maximum, so the equation would be  $(220-40) \cdot .80 = 144$ . A 20-year-old user's THR is 160, so the equation would be  $(220-20) \cdot .80 = 160$ .

## 4.2 USING THE WORKOUTS

Different stairclimber workouts require different setup steps. See the chart on the following page, titled *Life Fitness Stairclimber Workout Set-up Steps*, for a quick glance at the steps for setting up any individual workout. This section provides details on the steps themselves.

**Note:** *A new Life Fitness stairclimber may emit a slight smell during the first few hours of operation as the load resistor heats up for the first time. If the smell persists, contact customer service.*

### TO BEGIN ANY WORKOUT

**Without networking**, press START or simply step on the pedals to activate the console. The MESSAGE CENTER displays the prompt: “SELECT WORKOUT OR PRESS QUICK START”. If it displays a different message, press the CLEAR key twice rapidly.

**When the stairclimber is networked**, press START or step on the pedals to activate the console. The MESSAGE CENTER displays the prompt: “SELECT WORKOUT OR ENTER ID USING ENTER KEY”. Select a workout, or log on to the networked exercise database, and download the preset workout. To log onto the network, key in the user ID number with the NUMERIC KEYPAD.

### SELECTING QUICK START

**QUICK START** is the fastest way to begin exercising, and it bypasses the steps of selecting a specific workout. At the MESSAGE CENTER prompt, press the QUICK START key. The workout begins at an intensity level that remains the same unless manually changed.

### SELECTING A WORKOUT

For **MANUAL**, **FAT BURN** (93Si only), **CARDIO** (93Si only), **RANDOM**, and **HILL**: When prompted to select a workout, use the ARROW KEYS to scroll through the workout names as they appear in the MESSAGE CENTER. When the desired workout appears, press ENTER.

For **AROUND THE WORLD**, **KILIMANJARO**, **INTERVAL**, **CASCADES**, **SPEED TRAINING**, **FOOT HILLS**, and **FIT TEST**: All of these workouts are available on the 93Si model only. When prompted by the MESSAGE CENTER to select a workout, press the WORKOUTS PLUS key. The MESSAGE CENTER then displays the name of one of these workouts. Press ENTER to select the displayed workout; or continue to press the WORKOUTS PLUS key to display each of the other options, and then press ENTER to select the desired workout.

### ENTERING WEIGHT

When prompted by the MESSAGE CENTER to enter weight, use the ARROW KEYS to increase or decrease the displayed weight to the correct value, and press ENTER. Stairclimber workouts calculate the number of calories burned based on the user’s weight and step rate.

### ENTERING AGE

When prompted by the MESSAGE CENTER to enter age, use the ARROW KEYS to increase or decrease the displayed age to the correct value, and press ENTER. Stairclimber workouts that set a target heart rate\* zone first calculate the user’s theoretical maximum heart rate† by subtracting the user’s age from the number 220. The workouts then calculate the target zone as a percentage of the theoretical maximum.

## LIFE FITNESS STAIRCLIMBER WORKOUT SETUP STEPS

### QUICK START

Select QUICK START  
Enter weight  
Begin workout

### HILL

Select HILL  
Enter weight  
Enter time  
Select intensity level  
Begin workout

### RANDOM

Select RANDOM  
Enter weight  
Enter time  
Enter intensity level  
Begin workout

### MANUAL

Select MANUAL  
Enter weight  
Enter time  
Enter intensity level  
Begin workout

### FAT BURN (93Si only)\*

Select FAT BURN  
Enter weight  
Enter time  
Enter age  
Accept THR\*\*  
Begin workout

### CARDIO (93Si only)\*

Select CARDIO  
Enter weight  
Enter time  
Enter age  
Accept THR\*\*  
Begin workout

### WATTS (if enabled)

Press WORKOUTS  
PLUS repeatedly until  
WATTS appears;  
press ENTER  
Enter weight  
Enter time  
Enter Watts goal value  
Begin workout

### METS (if enabled)

Press WORKOUTS  
PLUS repeatedly until  
WATTS appears;  
press ENTER  
Enter weight  
Enter time  
Enter Mets goal value  
Begin workout

### AROUND THE WORLD (93Si only)

Press WORKOUTS  
PLUS repeatedly until  
COAST TO COAST  
appears; press  
ENTER  
Enter weight  
Enter time  
Select intensity level  
Begin workout

### KILIMANJARO

#### (93Si only)

Press WORKOUTS  
PLUS repeatedly until  
KILIMANJARO  
appears; press  
ENTER  
Enter weight  
Enter time  
Select intensity level  
Begin workout

### INTERVAL (93Si only)

Press WORKOUTS  
PLUS repeatedly until  
INTERVAL appears;  
press ENTER  
Enter weight  
Enter time  
Select intensity level  
Begin workout

### CASCADES (93Si only)

Press WORKOUTS  
PLUS repeatedly until  
CASCADES appears;  
press ENTER  
Enter weight  
Enter time  
Select intensity level  
Begin workout

### SPEED TRAINING

#### (93Si only)

Press WORKOUTS  
PLUS repeatedly until  
SPEED TRAINING  
appears; press  
ENTER  
Enter weight  
Enter time  
Select intensity level  
Begin workout

### FOOT HILLS (93Si only)

Press WORKOUTS  
PLUS repeatedly until  
FOOT HILLS  
appears; press  
ENTER  
Enter weight  
Enter time  
Select intensity level  
Begin workout

### FIT TEST (93Si only)

Press PERSONAL  
TRAINER repeatedly  
until FIT TEST  
appears; press  
ENTER  
Enter weight  
Enter age  
Enter gender  
Enter level  
Begin workout

\* This workout requires the user to wear the Polar heart rate chest strap or to grip the Lifepulse Sensors throughout the workout

\*\* Target Heart Rate (THR) is a percentage of the theoretical maximum. For example, a 40-year-old user's THR for the **CARDIO** workout is 144. This workout targets 80 percent of the maximum, so the equation would be  $(220-40) \cdot .80 = 144$ . A 20-year-old user's THR is 160, so the equation would be  $(220-20) \cdot .80 = 160$ . A 20-year-old user's THR is 160, so the equation would be  $(220-20) \cdot .80 = 160$ .

## ENTERING TIME

When prompted by the MESSAGE CENTER to enter a time, use the ARROW KEYS to increase or decrease the displayed time to the desired value, and press ENTER.

## SELECTING AND ADJUSTING THE INTENSITY LEVEL

When prompted by the MESSAGE CENTER, use the ARROW KEYS to increase or decrease the displayed intensity level or target heart rate\* to the desired value, and press ENTER. Adjust the level as needed or desired during the workout.

- Intensity level: The Life Fitness Stairclimber provides a selection of 20 intensity levels. The step speed for Level 1, the easiest setting, is two floors per minute; the tiers of difficulty increase up to Level 20, with a step rate of 13 floors per minute. The intensity level appears in the WORKOUT PROFILE window as columns of light. Selecting a low intensity level at first is recommended. As physical conditioning improves, the levels can increase.
- Target heart rate: Life Fitness Stairclimber workouts that calculate a target heart rate base this number on the age of the user and the type of workout. The user accepts or adjusts the rate when setting up the workout. During the workout itself, the workout reads the heart rate, which is transmitted via the chest strap; and it uses this data to adjust the resistance. Manually raising the rate increases the intensity of the cardiovascular exercise.

## SWITCHING WORKOUTS “ON-THE-FLY” (93Si ONLY)

It is possible, during a workout, to switch to another workout. After a switch, the console retains all the progress information about the workout since its beginning. To change workouts “on the fly,” press the CHANGE WORKOUT key. Then, using the ARROW KEYS, scroll through the workout options displayed by the MESSAGE CENTER. When the desired workout appears, press ENTER.

## PAUSING WORKOUTS

To pause a workout in progress, press the PAUSE key, or simply stop climbing. Press the PAUSE key again, and resume climbing to continue the workout. The workout can be paused for a duration of 60 seconds. During that time, it is possible to step off and back on without stopping the workout. If the workout is not resumed in 60 seconds, the console automatically shuts down.

## ENDING WORKOUTS EARLY

To end a workout before the pre-set duration expires, press Clear once. The MESSAGE CENTER then displays a workout summary, which includes the number or floors climbed, the total calories burned and other statistics. Press CLEAR a second time, and the MESSAGE CENTER displays “SELECT WORKOUT USING ARROW KEYS OR PRESS QUICK START” for a new workout.

<sup>†</sup> Defined by the American College of Sports Medicine's "Guidelines for Exercise Testing and Prescription" as equal to 220 minus an individual's age.

\* Target Heart Rate (THR) is a percentage of the theoretical maximum. For example, a 40-year-old user's THR for the **CARDIO** workout is 144. This workout targets 80 percent of the maximum, so the equation would be  $(220-40) \cdot 80 = 144$ . A 20-year-old user's THR is 160, so the equation would be  $(220-20) \cdot 80 = 160$ .

## 4.3 WORKOUT DESCRIPTIONS

### QUICK START

**QUICK START** is the fastest way to begin exercising, and it bypasses the steps of selecting a specific workout. The intensity level for the workout is set automatically and remains the same unless manually changed. To change the level press the UP or DOWN ARROW keys. If the CALORIES PER HOUR display is enabled, the MESSAGE CENTER displays “ENTER WEIGHT”, which is required to calculate this ratio. Using the ARROW KEYS, increase or decrease the displayed weight to the correct value.

### MANUAL

The **MANUAL** workout sets an intensity level that does not change automatically. While the workout is in progress, increase or lower the intensity level as desired, using the arrow keys.

### RANDOM

The **RANDOM** workout creates a terrain of hills and valleys that varies with each workout. More than one million different patterns are possible.

### FAT BURN (93Si ONLY)

The **FAT BURN** workout is designed to maintain a user’s heart rate at 65 percent of the theoretical maximum rate† for optimal results. Throughout the workout, the user wears a chest strap. The console continuously monitors and displays the heart rate, adjusting the intensity level of the Life Fitness stairclimber to reach and maintain the target\*. This system eliminates over- and under-training, and it maximizes the aerobic benefits of exercise by using the body’s fat stores for fuel.

### CARDIO (93Si ONLY)

The **CARDIO** workout is virtually identical to **FAT BURN**; however the target heart rate is calculated at 80 percent of the theoretical maximum. The higher target promotes cardiovascular improvement by placing a heavier workload on the heart muscle. The user wears a chest strap.

### HILL

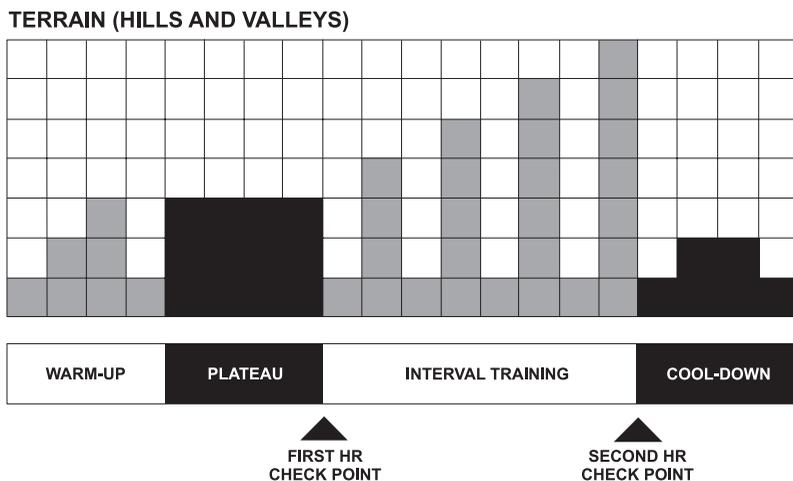
The Life Fitness-patented **HILL** workout offers a variety of configurations for interval training. Intervals are periods of intense aerobic exercise separated by regular periods of lower-intensity exercise. The WORKOUT PROFILE window represents these high and low intervals as columns of light, which together have the appearance of hills and valleys. The computerized interval training workout has been scientifically demonstrated to promote greater cardio-respiratory improvement than steady-pace training.

† Defined by the American College of Sports Medicine's "Guidelines for Exercise Testing and Prescription" as equal to 220 minus an individual's age.

\* Target Heart Rate (THR) is a percentage of the theoretical maximum. For example, a 40-year-old user's THR for the **FAT BURN** workout is 117. This workout targets 65 percent of the maximum, so the equation would be  $(220-40) \times .65 = 117$ . A 20-year-old user's THR is 130, so the equation would be  $(220-20) \times .65 = 130$ .

Each **HILL** workout goes through four phases, each marked by different intensity levels. The **WORKOUT PROFILE** window displays the progress of these phases, as seen in the chart following these descriptions below. The heart rate should be measured at two stages in the workout to gauge its effectiveness. To do so, wear the chest strap. Note that the **MESSAGE CENTER** does not display a request for a heart rate measurement during a HILL workout.

- 1 **Warm-up** is a phase of low, gradually rising resistance, which brings the heart rate into the lower end of the target zone\* and increases respiration and blood flow to working muscles.
- 2 **Plateau** increases the intensity slightly, and keeps it steady, to bring the heart rate to the low end of the target zone. Check the heart rate at the end of this phase.
- 3 **Interval Training** is a series of increasingly steeper hills alternating with valleys, or stints of recovery. The heart rate should rise to the high end of the target zone. Check the heart rate at the end of this phase.
- 4 **Cool-down** is a low-intensity phase that allows the body to begin removing lactic acid and other exercise by-products, which build up in muscles and contribute to soreness.



Each column, as seen in the **WORKOUT PROFILE WINDOW** and the chart above, represents one interval. The overall duration of the workout determines the length of each interval. Each workout is made up of 20 intervals, so the duration of each interval is equal to the duration of the entire workout divided by 20.

**10 to 19 minutes:** The interval durations initially are set at 30 seconds for a six-minute workout. For every minute added by the user “on the fly,” each interval increases by three seconds. A 15-minute workout consists of 20 intervals at 45 seconds each.

**20 to 99 minutes:** All intervals last 60 seconds. If the user adds minutes to the pre-set duration while the workout is in progress, the workout adds hills and valleys that are identical to the first eight intervals of the Interval Training phase. This pattern repeats until the workout is completed.

## **WATTS (WHEN ENABLED) (93Si ONLY)**

This workout targets a rate of effort equal to a certain number of Watts. A Watt is a unit of power that measures the amount of mechanical work required to operate a device, such as a stair-climber. It is roughly equal to 0.25 calories per hour. The workout automatically alters the intensity level to maintain the appropriate rate of effort. For information on enabling this workout, see Section 5, titled *Optional Settings*.

## **METS (WHEN ENABLED) (93Si ONLY)**

This workout targets a rate of effort equal to a certain number of Mets. A Met is a unit of measurement used to express the metabolic rate of work (oxygen consumption per unit of body weight) required to perform a task. The workout automatically alters the intensity level to maintain the appropriate rate of effort. For information on enabling this workout, see Section 5, titled *Optional Settings*.

## **SIX PRE-SET WORKOUTS (93Si ONLY)**

**AROUND THE WORLD, KILIMANJARO, INTERVAL, CASCADES, SPEED TRAINING,** and **FOOT HILLS** are variations of the **HILL** workout. These workouts cannot be changed "on the fly."

**AROUND THE WORLD** is an interval-training workout in which the hills resemble scenes of various geographical areas.

**KILIMANJARO** is a Hill workout in which the intensity levels gradually incline toward one ultimate peak and then gradually decline.

**INTERVAL** is a Hill workout in which intensity levels rise and fall. The higher levels gradually incline toward a peak and then gradually decline.

**CASCADES** is a two-peak workout in which intensity levels gradually incline and decline.

**SPEED TRAINING** is a Hill workout in which the intensity level alternates between high and low levels very quickly to simulate a typical speed training workout.

**FOOT HILLS** is a rolling hill workout with low intensity levels.

## FIT TEST (93Si ONLY)

The Life Fitness Stairclimber Fit Test program is another exclusive feature of this versatile Stairclimber. The Fit Test workout measures cardiovascular fitness and can be used to monitor improvements in endurance every four to six weeks. The user must grasp the Lifepulse hand sensors when prompted or wear a heart rate chest strap, as the test score calculation is based on a heart rate reading. The workout duration will be five minutes at the chosen resistance level. Immediately afterward, the console will take the user's heart rate reading, calculate a fitness score, and display the score in the MESSAGE CENTER.

The Fit Test is considered to be a submax VO<sub>2</sub> (volume of oxygen) test. It gauges how well the heart supplies oxygenated blood to the exercising muscles, and how efficiently those muscles receive oxygen from the blood. Physicians and exercise physiologists generally regard this test as a good measure of aerobic capacity.

To set up the Fit Test:

- Begin stepping.
- Press the PERSONAL TRAINER button repeatedly until the FIT TEST option appears in the message center. Press ENTER to select the FIT TEST option.
- The message center will prompt for a user weight (ENTER WEIGHT). Use the ARROW KEYS to input your weight. Press ENTER to accept the weight.
- The message center will next prompt for a user age (ENTER AGE). Use the ARROW KEYS to input your age. Press ENTER to accept the age.
- The message center will next prompt for a user gender (SELECT GENDER). Using the ARROW KEYS, select a gender. Press ENTER to accept the gender selection.
- The message center will next prompt for a workout level (ENTER LEVEL). Consult the following recommended fit test level chart for an appropriate effort level based on your age, gender and activity level. Use the ARROW KEYS to enter the corresponding level.

After the five-minute FIT TEST is completed, a FIT TEST score will be displayed.

### FIT TEST PROGRAM SUGGESTED EXERTION LEVELS

	Inactive	Active	Very Active
Stairclimber Fit Test Level	L2-4 men	L3-10 men	L7-15 men
	L1-2 women	L2-5 women	L3-10 women

Suggested exertion levels should be used as a guideline for setting up the Fit Test program. The goal is to elevate the user's heart rate to a level that is between 60%-85% of their theoretical maximum heart rate<sup>†</sup>.

<sup>†</sup> Defined by the American College of Sports Medicine's "Guidelines for Exercise Testing and Prescription" as equal to 220 minus an individual's age.

Within each suggested range, these additional guidelines can be used:

Lower Half of Range	Upper Half of Range
higher age	lower age
lower weight	higher weight*
shorter	taller

\* in cases of excessive weight, use lower half of range

The computer will not accept:

- heart rates less than 52 or greater than 200 beats per minute
- body weights less than 75 pounds (34 kg) or greater than 400 pounds (182 kg)
- ages below 10 or over 99 years
- data input that exceeds human potential

If you make an error when entering any Fit Test data, you can correct it by pressing CLEAR, inputting the correct information, and pressing ENTER.

It is important for you to take the Fit Test under similar circumstances each time. Your heart rate is dependent on many factors, including:

- amount of sleep the previous night (at least seven hours is recommended)
- time of day
- time since last meal (two to four hours after the last meal is recommended)
- time since last beverage containing caffeine or alcohol, or cigarette (at least four hours is recommended)
- time since last exercise (at least six hours is recommended)

For the most accurate Fit Test results, perform the Fit Test on three consecutive days and average the three scores.

**NOTE:** To receive a proper Fit Test score, the work done must be within a training heart rate zone that is 60 percent to 85 percent of the theoretical maximum heart rate. This rate is defined by the American College of Sports Medicine's "Guidelines for Exercise Testing and Prescription" as equal to 220 minus an individual's age.

The tables below list fit test results.

**RELATIVE FITNESS CLASSIFICATION FOR MEN**

<b>Men</b>	<b>Estimated VO2 Max (ml/kg/min) Per Age Category</b>				
<b>Rating</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60+</b>
Elite	52+	51+	48+	45+	42+
Excellent	50-51	48-50	46-47	42-44	39-41
Very Good	47-49	45-47	43-45	40-41	36-38
Above Average	44-46	42-44	40-42	37-39	33-35
Average	41-43	39-41	37-39	34-36	30-32
Below Average	38-40	36-38	34-36	31-33	27-29
Low	35-37	33-35	31-33	28-30	24-26
Very Low	<35	<33	<31	<28	<24

**RELATIVE FITNESS CLASSIFICATION FOR WOMEN**

<b>Women</b>	<b>Estimated VO2 Max (ml/kg/min) Per Age Category</b>				
<b>Rating</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60+</b>
Elite	44+	42+	39+	35+	34+
Excellent	42-43	40-41	37-38	33-34	32-33
Very Good	39-41	37-39	35-36	31-32	30-31
Above Average	37-38	35-36	32-34	29-30	28-29
Average	34-36	32-34	30-31	27-28	25-27
Below Average	31-33	29-31	27-29	25-26	23-24
Low	28-30	27-28	25-26	22-24	20-22
Very Low	<28	<27	<25	<22	<20

Life Fitness developed this rating scale based on VO2 max percentile distributions referenced in *American College of Sports Medicine's "Guidelines for Exercise Testing and Prescription"* (6th Ed. 2000). It is designed to provide a qualitative description of a user's VO2 max estimation, and a means of assessing initial fitness level and tracking improvement.

## **4.4 USING THE LIFE FITNESS STAIRCLIMBER**

### **STAIRCLIMBER MOTION**

The Life Fitness Stairclimber permits a maximum stepping height of 13.5 inches, or 34.3 centimeters. The unit features independent stepping action, which means that the pedals move independently of each other. Benefits of this feature include:

- Pull-push hip and knee action, which simulates actual stair climbing
- Development of greater muscular strength and endurance
- Optimal muscular development for the right leg and left leg individually
- Better cardiovascular exercise

### **POSTURE DURING WORKOUTS**

Begin stepping at a comfortable pace, taking either full or short steps, and keeping the back straight. Hold the handrails, or the bullhorns on the 93Si, for stability and balance only. It should be noted that using the handrails for support can offload weight and cause the Life Fitness Stairclimber console to give inaccurate readings of calories burned.

### **BRAKING RESISTANCE**

The Life Fitness Stairclimber features speed-dependent braking resistance. During a workout, the computer monitors the user's step rate and maintains it at the rate that corresponds to the selected intensity level. If the user's speed exceeds the corresponding rate, the computer increases the resistance to lower the user's speed. If the user's step rate is slower, the computer decreases the resistance to enable the user to increase speed.

# 5 OPTIONAL SETTINGS

## 5.1 ENTERING AND USING THE OPTIONAL SETTINGS FEATURE

Fitness club managers and other authorized personnel can use the Optional Settings feature to change default settings, or to enable or disable certain programs or displays on the console.

To enter the Optional Settings, while the unit is on, hold down the UP ARROW key, and press CLEAR twice. The MESSAGE CENTER displays a program version number. Press the ENTER key. The MESSAGE CENTER displays “OPTIONAL SETTINGS”. Scroll forward through the options using the ENTER key, or backward, using the CLEAR key. For each feature or setting option, the MESSAGE CENTER displays the default setting. To change the default, press the UP or DOWN ARROW key for the desired value. Press ENTER to select the new value or setting and proceed to the next setting.

To exit Optional Settings, press the CLEAR key repeatedly until the MESSAGE CENTER displays “SELECT WORKOUT OR PRESS QUICK START”. Or, after the last setting has been displayed and it is impossible to scroll forward by pressing ENTER, hold down the QUICK START key, and press CLEAR. The MESSAGE CENTER then displays the prompt to select a workout.

OPTIONAL SETTINGS		
Setting	Default Value	Description
MAX WORKOUT DURATION	60 minutes	This is the maximum possible duration for a workout. The value can range from 10 to 99.
ENGLISH/METRIC UNITS	ENGLISH* METRIC**	This option determines the units of weight measurement used by workouts.
WATTS DISPLAY ENABLE/ DISABLE (93Si only)	DISABLED* ENABLED**	If this option is enabled, the MESSAGE CENTER displays the Watts equivalent of the step rate.
METS DISPLAY ENABLE/ DISABLE (93Si only)	DISABLED* DISABLED**	If this option is enabled, the MESSAGE CENTER displays the Mets equivalent of the step rate.
CAL/HR DISPLAY ENABLE/ DISABLE	ENABLED* DISABLED**	If this option is enabled, the MESSAGE CENTER displays the number of calories burned per hour during the workout.
WATTS PROGRAM ENABLE/ DISABLE (93Si only)	DISABLED* ENABLED**	If this option is enabled, the Watts workout becomes an available workout on the stairclimber.
METS PROGRAM ENABLE/ DISABLE (93Si only)	DISABLED* ENABLED**	If this option is enabled, the Mets workout becomes an available workout on the stairclimber.
USER LANGUAGE SELECT	DISABLED	This option, if enabled, gives users the ability to select a language for use during a workout. See the topic entitled <i>User Language Select</i> , in this section.

\*Applies to units programmed to perform measurements in English system.  
\*\*Applies to units programmed to perform measurements in Metric system.

## USER LANGUAGE SELECT

If enabled, this option allows users to select the language by which to interact with the unit during a workout.

**To use the option,** enable User Language Select (see below).

Begin stepping. The console will display the message "SELECT LANGUAGE USING ARROW KEYS". The user can select from a list of available languages using any of the arrow keys. Press enter when the desired language appears to select that language. A workout can now be started using the selected language. Selecting a language is not necessary to begin a workout. Simply press the Quick Start key to start a workout or any of the program keys to begin workout programming using the default language.

The user may select from the following languages:

English, German, French, Italian, Dutch, Spanish, Portuguese, and Turkish.

Japanese is available if the unit is equipped with a CCD console.

**To enable the User Language Select option,** enter the Optional Settings (see section 5.1). Scroll forward through the options using the ENTER key, or backward, using the CLEAR key until LANGUAGE SEL appears. Once LANGUAGE SEL appears in the Message Center, press any of the UP/DOWN ARROW KEYS to toggle the mode from OFF to ON.

# 6 SERVICE AND TECHNICAL DATA

## 6.1 PREVENTATIVE MAINTENANCE TIPS

The Life Fitness Stairclimber is backed by the engineering excellence of Life Fitness and is one of the most rugged and trouble-free pieces of exercise equipment on the market today. Commercial Life Fitness products have proven to be durable in health clubs, colleges, military facilities, and other locations the world over. This same technology, engineering expertise, and reliability have gone into the Life Fitness Stairclimber.

**NOTE:** *The safety of the equipment can be maintained only if the equipment is examined regularly for damage or wear. If maintenance is required, keep the equipment out of use until defective parts are repaired or replaced. Pay special attention to parts that are subject to wear as outlined in the Preventive Maintenance Schedule.*

**REMARQUE :** *pour conserver un matériel sûr, il convient de l'inspecter régulièrement afin de déceler tout signe d'usure ou d'endommagement. N'utilisez pas l'appareil tant que les pièces défectueuses n'ont pas été réparées ou remplacées. Portez une attention toute particulière aux pièces qui s'usent, comme indiqué ci-dessous.*

The following preventive maintenance tips will keep the Life Fitness stairclimber operating at peak performance:

- Locate the Life Fitness Stairclimber in a cool, dry place.
- Clean the top surface of the pedals regularly.
- Keep the display console free of fingerprints and salt build-up caused by sweat.
- Use a **100% cotton cloth**, lightly moistened with water and mild liquid cleaning product, to clean the Stairclimber. Other fabrics, including paper towels, may scratch the surface. **Do not use ammonia or acid-based cleaners.**
- Long fingernails may damage or scratch the surface of the console; use the pad of the finger to press the selection buttons on the console.
- Clean the housing thoroughly on a regular basis.

**NOTE:** *A non-abrasive cleaner and soft cotton cloth are strongly recommended for cleaning the exterior of the unit. At no time should cleaner be applied directly to any part of the equipment; apply the non-abrasive cleaner on a soft cloth, and then wipe the unit.*

## 6.2 INSPECTING AND CLEANING THE STAIRCLIMBER

Follow the schedule below to ensure proper operation of the product.

Follow the schedule below to ensure proper operation of the product.				
ITEM	WEEKLY	MONTHLY	BI-ANNUALLY	ANNUALLY
<i>Display Console</i>	C	I		
<i>Console Mounting Bolts</i>			I	
<i>Accessory Tray</i>	C	I		
<i>Frame</i>	C			I
<i>Plastic Covers</i>	C	I		

KEY: C=Clean; I=Inspect

## 6.3 TROUBLESHOOTING THE LIFEPULSE SYSTEM SENSORS

If the heart rate reading is erratic or missing, check the following:

- Dry moist hands to prevent slipping.
- Apply hands to all four sensors, two in each hand.
- Grasp the sensors firmly.
- Apply constant pressure around the sensors.
- Clean the sensors with a damp cloth.

## 6.4 TROUBLESHOOTING THE POLAR HEART RATE CHEST STRAP

### HEART RATE READING IS ERRATIC OR ABSENT ENTIRELY

- Repeat the electrode moistening procedure. See Section 3.2, titled *Heart Rate Monitoring* for details. The electrodes must remain wet to pick up and transmit accurate heart rate readings.
- Make sure the electrodes are flat against the skin.
- Wash the belt transmitter regularly with mild soap and water.
- Make sure the chest strap transmitter is within three feet (91 centimeters) of the heart rate receiver.
- The chest strap is battery-operated and will stop functioning when the battery runs out. Contact Life Fitness Customer Support Services for instructions on how to have the chest strap replaced. See Section 6.4, titled *How to Obtain Product Service*.

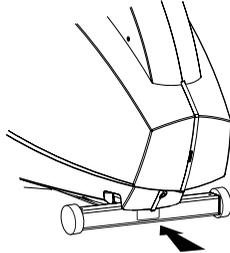
### HEART RATE READING IS ERRATIC OR EXTREMELY HIGH

If the chest strap is worn near sources of electromagnetic signals, these signals may be strong enough to elevate heart rate readings. Possible sources include:

- Television sets and/or antennas, cell phones, computers, cars, high voltage power lines and motor driven exercise equipment.
- Another heart rate transmitter within three feet, or one meter, may also cause abnormal heart rate readings.

## 6.5 HOW TO OBTAIN PRODUCT SERVICE

1. Verify the symptom and review the operating instructions. The problem may be unfamiliarity with the product and its features and workouts.
2. Locate and document the serial number of the unit. This number consists of three letters followed by six numbers. The serial number plate is located at the back end of the unit.



3. Contact Life Fitness Customer Support Services via the Web at: [www.lifefitness.com](http://www.lifefitness.com) or contact the nearest Life Fitness Customer Support Services group:

For Product Service within  
the United States and Canada:

LIFE FITNESS WORLD HEADQUARTERS  
100 North River Road  
Schiller Park, Illinois 60176 • U.S.A.  
Telephone: (+1) 847.451.0036  
Fax: (+1) 847.288.3702  
Toll-free telephone: 800.351.3737

For Product Service Internationally:

LIFE FITNESS ASIA PACIFIC LTD  
Room 2610, Miramar Tower  
132 Nathan Road  
Tsimshatsui, Kowloon  
HONG KONG

LIFE FITNESS ATLANTIC BV  
LIFE FITNESS BENELUX  
Bijdorplein 25 - 31  
2992 LB Barendrecht  
THE NETHERLANDS  
Telephone: +31 180.646.666  
FAX: +31 180.646.699

LIFE FITNESS DO BRAZIL  
Av. Dr. Dib Sauaia Neto 1478  
Alphaville, Barueri, SP  
06465-140  
BRAZIL

LIFE FITNESS VERTRIEBS GmbH  
Dückerstraße 7-9/36  
1220 Vienna  
AUSTRIA  
Telephone: (+43) 1615.7198  
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LIFE FITNESS IBERIA  
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SPAIN  
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LIFE FITNESS EUROPE GMBH  
Siemensstraße 3  
85716 Unterschleißheim  
GERMANY  
Telephone: (+49) 089.317.751.66  
FAX: (+49) 089.317.751.38

LIFE FITNESS ITALIA S.R.L.  
Via Vittorio Veneto, 57/A  
39042 Bressanone (Bolzano)  
ITALY  
Telephone: 800.438.836  
FAX: (+39) 0457.238.197

LIFE FITNESS LATIN  
AMERICA and CARIBBEAN  
5100 North River Road  
Schiller Park, Illinois 60176 U.S.A.  
Telephone: (+1) 847.288.3964  
FAX: (+1) 847.288.3886

LIFE FITNESS UK LTD  
Queen Adelaide  
Ely, Cambs CB7 4UB  
UNITED KINGDOM  
Telephone: (+44) 1353.665.507  
FAX: (+44) 1353.666.719

LIFE FITNESS JAPAN  
Nippon Brunswick Bldg., #8F  
5-27-7 Sendagaya  
Shibuya-Ku, Tokyo  
Japan 151-0051  
Telephone: (+81) 3.3359.4309  
FAX: (+81) 3.3359.4307

LIFE FITNESS BRAZIL  
Telephone: (+55) 11.4193.8282  
FAX: (+55) 11.4193.8283

# 7 SPECIFICATIONS

## 7.1 93Si STAIRCLIMBER SPECIFICATIONS

Designed use:	Heavy/Commercial
Maximum user weight:	350 pounds / 159 kilograms
Minimum user weight:	100 pounds / 45.3 kilograms
CONSOLE:	
Displays:	MESSAGE CENTER with heart rate, floors climbed, floors per minute, level, time, calories, calories per hour (when enabled), Watts (when enabled), and Mets (when enabled)

### WORKOUT PROFILE

Summaries:	Total elapsed time of workout, total calories burned, total floors climbed
Character size:	0.54 inches
Workouts :	Quick Start, Manual, Random, Fat Burn, Cardio, Hill, Around the World, Kilimanjaro, Interval, Cascades, Speed Training, Foothills, Watts (when enabled), Mets (when enabled), Fit Test
Heart rate monitor:	Lifepulse System Sensors Polar telemetry heart rate monitoring system Polar heart rate chest strap (optional)
Intensity levels:	20
Stepping speed range	2 - 13 floors per minute
Step pedal size	6 inches x 11 inches / 15.2 centimeters x 27.9 centimeters
Maximum step height	13.5 inches / 34.3 centimeters
Drive type:	Belt/alternator
Accessory Tray:	Standard
Bullhorns:	Standard
Color:	Gray / Silver

### ASSEMBLED DIMENSIONS:

Length	48 inches / 122 centimeters
Width	32 inches / 81.2 centimeters
Height	64 inches / 162.6 centimeters
Weight	165 pounds / 75 kilograms

### SHIPPING DIMENSIONS:

Length	52 inches / 132 centimeters
Width	37 inches / 94 centimeters
Height	32 inches / 81 centimeters
Weight	201 pounds / 91 kilograms

## 7.2 90S STAIRCLIMBER SPECIFICATIONS

Designed use:	Heavy/Commercial
Maximum user weight:	350 pounds / 159 kilograms
Minimum user weight:	100 pounds / 45.3 kilograms
CONSOLE:	
Displays:	MESSAGE CENTER with heart rate, floors climbed, floors per minute, calories, calories per hour (when enabled), Watts (when enabled), and Mets (when enabled) WORKOUT PROFILE
Summaries:	Total elapsed time of workout, total calories burned, total floors climbed
Character size:	0.54 inches
Workouts:	Quick Start, Manual, Random, Hill
Heart rate monitor:	Lifepulse System Sensors Polar telemetry heart rate monitoring system (optional) Polar heart rate chest strap (optional)
Intensity levels:	20
Stepping speed range	2 - 13 floors per minute
Pedal size	6 inches x 11 inches / 15.2 centimeters x 27.9 centimeters
Maximum step height	13.5 inches / 34.3 centimeters
Drive type:	Belt/alternator
Accessory Tray:	Optional
Bullhorns:	Optional
Color:	Gray / Silver

### ASSEMBLED DIMENSIONS:

Length	48 inches / 122 centimeters
Width	32 inches / 81.2 centimeters
Height	64 inches / 162.6 centimeters
Weight	155 pounds / 70.3 kilograms

### SHIPPING DIMENSIONS:

Length	52 inches / 132 centimeters
Width	37 inches / 94 centimeters
Height	32 inches / 81 centimeters
Weight	191 pounds / 86.6 kilograms