



 **lopifit**<sup>®</sup> instruction manual

You are the owner of the first electric walking bike in the world, the Lopifit. But before you want to immediately hop on for your first ride, do read this instruction manual thoroughly. It will not only help you in how to use the Lopifit but also get the utmost enjoyment out of it.



# So let's get started.

In some cases the Lopifit is similar to a regular bike, for instance when you have to patch your bike's inner tube. But as far as all the unique parts are concerned, you will find an extensive description on how to deal with it.

We want you to be able to enjoy your Lopifit for years to come. When a problem does occur, the solution may be found in the operating manual. If not, feel free to contact us. We are there to help you.

Do you enjoy your Lopifit, share it with us on Facebook! We would love to know who is using our product and how you are managing. So, have fun and keep in touch.

Kind regards, **Team Lopifit**

**Lopifitus.com**

322 Miramar Beach Dr. #6123

Miramar Beach, FL 32550

f: 844.777.9444

p: 1-844-U-LOIFIT  
[1-844-856-7434]

e: info@lopifitfl.com

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# 1. Sensors

## 1.1 Motor sensor

The walking bike has an electric-magnetic sensor. It registers the movement of the treadmill and it activates the motor. However, if the sensor is too far from the magnet, the motor won't work. You can reach the sensor and magnet by unscrewing the protection cap. The cap is fixed with three screws [see images 1, 2 and 3 in the appendix] Next to the magnet you will find the Allen screw with which you can adjust the magnet [see image 4]. In case the AUTO button is on and the treadmill is not moving, the magnet needs to be adjusted closer to the sensor. After adjustment, ensure that the Allen screw is correctly tightened!

## 1.2 Brake sensors

The wiring of the handbrakes contains an electronic cable that transmits a signal to the brake sensors. When you pull either the left or right handbrake, the red light on the right and left sensors come on

[see image 5 and 6]. As soon as one of the red lights is on, the power to the motor is cut off.



**NOTE:** In case the red lights are on and the brakes were not activated, your Lopifit won't work and you'll have to adjust the brake sensors [read 1.3].

## 1.3 Adjusting the brake sensors

Start by turning adjustment bolt counter clockwise a few turns [see image 5]. Pull and release brake handle a few times and see if the light has gone out. If it has, turn adjustment light clockwise to secure the position of the adjustment bolt.



**NOTE:** Be careful not to adjust the brake too tight. In that case the sensor will stay activated. Relax the brake as described in chapter 5.2.



# Images sensors



**Image 1:** Screw on protection cap, front.



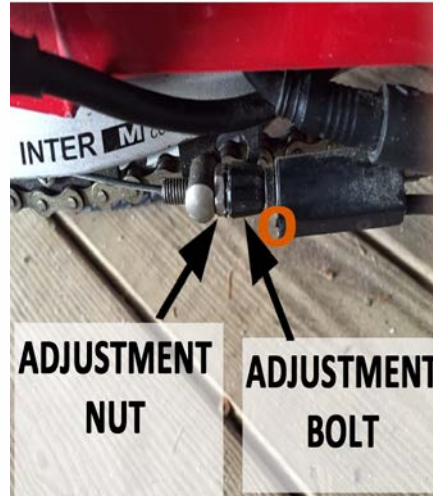
**Image 2:** Screw on protection cap, side.



**Image 3:** Screw on protection cap, back.



**Image 4:** Allen screw next to disc magnet.



**Image 5:** Sensor light is not lit.



**Image 6:** Sensor light is not lit.

## 2. Treadmill

The walking belt on the treadmill is dynamic. This means that for various reasons a treadmill belt tends to drift to the side and thus will go out of alignment, for instance when taking a turn or during crosswind. In any case, a belt always drifts towards the side where the belt is too loose.

This is normal and will have no negative affect. However, the belt is supposed to run in the middle. If it rubs against the side for too long, it will start fraying. In order to avoid this you must align or center the belt [read 2.1]

### 2.1 Treadmill belt centering

On the right and left front side of the treadmill you will find the tension adjustment bolts [see image 7 and 8]. Using an Allen key 5mm [included] you can loosen or tighten the treadmill belt [depending on the rotation direction]. When the belt drifts too far to the right, insert the key in the right bolt and turn it a quarter to the right. When the belt drifts too far to the left, insert the key in

the left bolt and turn it a quarter to the right as well. If the belt doesn't center far enough, repeat the process one more time.



**NOTE:** Don't turn it too much, in which case the belt will get too tight. This will influence the Lopifit's performance. Turning the left bolt a quarter to the left can also prevent the belt from drifting to the right.

### 2.2 Treadmill belt too tight

If the treadmill belt is too tight, it will overcharge the engine. You will also feel that mounting the treadmill and walking will be more strenuous. Turn both the left and right bolt a quarter to the left. Repeat if necessary.

### 2.3 Treadmill belt too loose

If the treadmill belt is too loose, it will start flapping when going over bumps and the motor will not run at full capacity. Also you will notice when pushing back on the treadmill, it is possible for the treadmill to slip over the front and back rollers, Turn both the left and the right bolt a quarter to the right. Repeat if necessary.

# Images treadmill belt



**Image 7:** Tension adjustment bolt, left.



**Image 8:** Tension adjustment bolt, right.

# 3. Battery

## 3.1 General

The Lopifit doesn't work without the battery that powers the motor. The battery is located in the rack and it is the only type that fits in the holder. Turn on the battery with one of the three keys [one for immediate use and two spares] that are included. Start your bike by turning the key to the right in a horizontal position [see image 9]. Visually check if the display is lit to indicate you have power from the battery.



**NOTE!** When your battery isn't working, check whether you have charged it sufficiently. If so, check if you have inserted the battery fully into the docking station. It is impossible to continue turning the key if the battery isn't docked correctly. Turn the battery off by turning the key to the left.

## 3.2 Battery removal

Insert the key in the lock until it doesn't go any further to the left [see image 11]. The battery will come loose. Before you pull out the battery, take the key out of the lock. Place your fingers in the slot under the battery tray in order to get a firm grip. Now you can pull it out.

## 3.3 Battery placement

Firmly insert the battery with the connecting side first in the rack. Push the battery forwards into the docking and make sure it is well connected. Lock the battery in its place by turning the key and take the key out.



**NOTE!** If it is impossible to turn the key or take it out of the lock, it means that the battery is not fully in place. Gently tap forward on the rear of the battery until you are able to turn the key.

## 3.3 Charging the battery

Charging the battery can be done directly on the bike or after disconnecting it from the bike. First, turn off the system! Insert the plug of the charger [included] into the charge socket [see image 12 for the location of the socket] and into the wall outlet. [110v – 240v]

**Warning!** A damaged power cable must be replaced immediately to prevent an electric shock!

**NOTE:** If the Lopifit is not used for a long time, recharge the battery at least once every six months.



# Images battery



**Image 9:** Key horizontal, battery is on.



**Image 10:** Key vertical, battery is off.



**Image 11:** Insert key, push and turn to the left.



**Image 12:** Charge socket, pull the tab.

## 4. Handlebars

You can raise or lower the handlebars by adjusting the stem. Use the Allen wrench (included) to loosen bolt B (see image 14) and decide how much you'd like to lower or raise your bar. Then tighten bolt B and at the same time pay attention to keep the bar aligned with the wheel.

You can adjust the bar by loosening bolt A (see image 14). Bolt A has a cover, so you have to take that off first. Decide on how you want to position your bar, then tighten bolt A and put the cover back on.

Again: to loosen a bolt, turn left, to tighten a bolt, turn right.

# Images handlebars



**Image 13:** The handlebars and adjusting points.



**Image 14:** Adjusting bolt stem.



**Image 15:** Adjusting bolt bar.

# 5. Brakes

## 5.1 Front and rear brakes

The front and rear brake levers are both located on the handlebars. The front brake [see image 16] on the left and the rear brake on the right. Both brakes interrupt the electric current to the motor. The left brake stops the treadmill and the rear wheel. The right brake stops the treadmill and front wheel. When you stop the treadmill by squeezing either brake lever, you have to reactivate the treadmill to continue walking.

## 5.2 Tuning the brakes

Tuning the front brake and rear brake is a similar procedure. You can both tighten or loosen them.

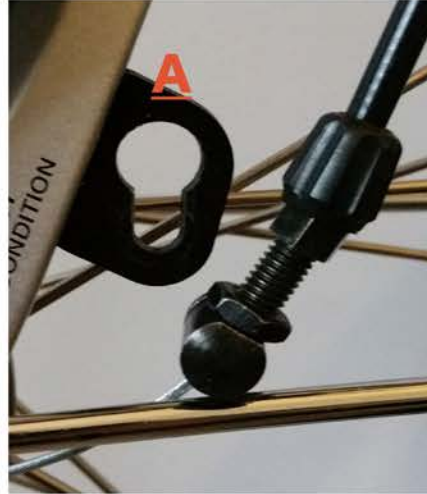
Before you can tune the brakes you have to disconnect the outer holder unit shown in part A [see image 17]. Push the disc until the round notch

is at the bottom and take the cable fixing bolt unit out of the holder [see image 18]. Now you can shorten or lengthen the brake cable. Do not tighten the cable too much, because the brake can drag and tightening the back brake too much can also interrupt the electric current to the motor. More about this in 1.2.

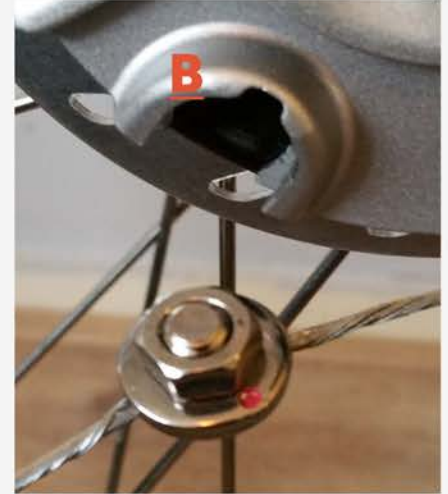
# Images front brake



**Image 16: Front brake mounted.**



**Image 17: Disconnecting front brake A.**



**Image 18: Disconnecting front brake B.**



# 6. Operating panel

## 6.1 General

The display is mounted on the handlebars. When you start the system by turning the key clockwise to a horizontal position, the lights on the display turn on [see images 19 and 20]. The lights show your battery level (four lights) and your current speed (three lights). If you accelerate in a lower gear you can save battery life. Walking and accelerating in high gear for a long time will result in a higher energy consumption. During walking the display will show the estimated battery level, when you stop it will show the actual battery level.

## 6.2 Gears

The gears on the display are easy to operate by using the plus and minus buttons. Lopifit has six different speeds in total:

**Gear 1:** The first light is on.

**Gear 2:** The first light is blinking.

**Gear 3:** The first and second light are on.

**Gear 4:** The first and second light are

blinking.

**Gear 5:** The first, second and third light are on.

**Gear 6:** The first, second and third light are blinking.

## 6.3 The AUTO button

By pressing the AUTO button, the treadmill starts running and the Lopifit moves forward. You can use this button when you want to mount the treadmill while it's already moving. The techniques of stepping on the treadmill and start walking is further explained in 7.2.



**NOTE!** The AUTO button is also a test button. Do you press the button and nothing happens?

**Step 1:** Check whether the panel lights are on and thus the battery.

**Step 2:** Check the sensors [see chapter 1].



**NOTE!** Be sure that a speed level is selected. It is possible to push the minus button and no gears be activated.

# Images operating panel



**Image 19:** Display, battery is off.



**Image 20:** Display, battery is on.

# 7. Miscellaneous

## 7.1 Front and rear light

The Lopifit has a front and rear light. The front light has two light options; press and release once and the light will be flashing. For steady white light press the button a second time. [see image 21]. The rear light is operated by the button on top of the battery [see image 22].

## 7.2 Walking on the Lopifit

It takes a little practice to walk on the treadmill in a confident way. However, thousands have done it before you and it is just a matter of practice.

Mounting the Lopifit:

There are two ways to mount the Lopifit, Manually, or Automatic.

**Manually:**

- a) walk along side of the Lopifit at a brisk pace in order to gain speed for stability.
- b) As you step onto the Lopifit, push back on the treadmill and the electric motor engages and treadmill.
- c) At this point, use your thumb to adjust speed with the (+) and (-) on the display.
- d) In order to stop the treadmill and electric motor, pull either brake handle for approximately 2 seconds and you will be coasting.
- e) In order to reengage the treadmill and electric motor, simply refer to step (b)

**Automatic:**

Push and hold the Auto button for approximately two seconds then release and the treadmill and the electric motor will automatically engage simultaneously to your preselected speed. Once in motion you can proceed with step c listed under manual operations. If you disengage the Lopifit, either procedure will reengage the treadmill and electric motor.



**NOTE:** In the event of an emergency, firmly grab both brakes, stop walking, and the Lopifit will come to a stop. While using the brakes, you can stop walking.

## 7.3 Maintenance tips

Clean the Lopifit on a regular basis as dirt and road salt have damaging effects. When washing the bike, use only warm water with a mild liquid soap and a cotton cleaning cloth for the large areas. Then remove residual dirt by wiping and polishing with a dry cloth. Never use a pressure washer as this can damage delicate parts.

Lightly spray siliconspray on the chain after it is cleaned. Grease aluminium, chrome and steel parts with acid-free vaseline in order to prevent oxidation. Give the Lopifit an extra protection layer with siliconspray.

Check the battery of the bike's lights regularly. It is important to make yourself as visible as possible to other road users and also that you can clearly see what is around you.

# Images lights



**Image 21:** Front light, black button in the middle.



**Image 22:** Rear light, button on the battery.



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