

The word "evolve" in a bold, lowercase sans-serif font. The letter "e" is replaced by a stylized graphic of a skateboard deck with three horizontal lines representing the deck's shape, all enclosed within a circle.

# evolve

Congratulations on your  
purchase!

Evolve Skateboards are an exciting product and will provide you endless fun, please read **All the Information** below before you begin using your board.

The word "evolve" in a bold, lowercase sans-serif font, with the "e" replaced by a stylized skateboard deck graphic inside a circle. Below it, the word "SKATEBOARDS" is written in a smaller, all-caps, bold, sans-serif font.

evolve  
SKATEBOARDS



## Do not ride your board until you have read the following message :



**ALWAYS** wear a helmet and other safety equipment when riding the board.



Your board can lose brakes and power during your ride at any time due to **low battery** on the skateboard or remote. If this happens, its best to ride your board at speeds you are comfortable without power or brakes.



**ALWAYS** obey and check the local road rules in your area for where you can ride and do not ride on busy roads with line markings.



**FAST** and **GT mode** (GT series boards) are very powerful and the trigger is highly sensitive, be sure to be very gentle with the trigger control to avoid being thrown off the board. Start by trying to move as slowly as possible within these speed modes when both using the brakes and acceleration.



**Do not** ride the board if you are under the influence of drugs or alcohol.



**Do not** ride the board in wet conditions. The board may slide from under your feet causing injury.



**ALWAYS** respect pedestrians!!!



## WARNING MESSAGE

- 1. Avoid water** - The board is not water proof. The electronics, bearings and other components may be damaged due to water and water damage is not covered by warranty. Riding in wet conditions is also very dangerous and may cause injury.
- 2. Abuse** - Do not jump on the board, do not ride off gutters or curbs, do not smash the board into hard objects, do not drop the board on the ground for starting operation. Although the product has been made to handle rigorous riding, its still an electrical product and needs to be handled with care and respect. Our warranty does not cover any of the above.
- 3. Whenever you ride the Evolve board, you risk serious injury or even death from lose of control, collisions and falls. To ride safely, you must read ALL instructions and safety messages and warnings in this manual.**
- 4. Riding on Hills** -
  - Riding on hills can be very dangerous, what goes up must come down! So if you ride up an insanely steep hill and you intend to ride down this same hill, this is extremely dangerous and you must know how to control your speed without the use of the electric brakes if ever there was a malfunction or there was a situation where the brakes fail.
  - Although the GT board can eat hills of up to 25 degree gradient, riding continuously on a insanely steep hill will put massive stress on the electronics. We have installed current limit protections with our electric system, however if you feel the board slowing down on a steep hill this is because the protection is kicking in and giving you warning its working too hard, at this time you must look at stopping to avoid risking damage to the electrics and which is not covered by our warranty policies.



## Operation

**Before using the board, you must fully charge the battery.**

- 1.** Connect the battery charger to the battery box and allow the battery to be fully charged. The charger will have a green light on it when it's fully charged and a red light as it's charging.
- 2.** Connect the micro USB to the remote and charge the remote. The remote will have a red light on the remote when charging





## Turning the board and remote on/off

**Step 1.** Press the on/off button located under the skateboard. The on/off button will flash once its been turned on. To turn the board off, just press this button again and the light will go off.

**Step 2.** Press and hold the on/off button for 1 second on the remote (**see remote details & picture page 6**). The remote LCD screen will display the Evolve logo then it will display the operation screen. To turn the remote off, press and hold the on/off button for 1-2 seconds then let go.

**Step 3.** Pairing/syncing the remote to the board - Press and hold for 1 second the left sync button on the remote. A white antenna sign will begin to flash. Once paired the white antenna sign will be a solid symbol and the battery display will show a reading. This means you are now ready to ride!





## Operation of the board with the remote

### 1. How to accelerate.

Pull the trigger **SLOWLY** and you will begin to move forward. The further you pull the trigger in the faster you will go. **TIP - Have your weight positioned on the front foot when you accelerate, this stops the board flying out from under your feet!**



### 2. How to brake.

Push the trigger **SLOWLY** and you will begin to slow down. The further you push the trigger the stronger the braking feeling will be. **TIP - Have your weight on the back foot when you apply the brake function, this will stop you flying forward when applying!**

### 3. How to change speed modes. (Slow, ECO, Fast and GT speed modes)

Once the board and remote are turning on, press the on/off button quickly once and this will change speed modes. You can see what speed mode you are in on the remote as its displayed in the top left corner of the remote screen. Keep pressing the on/off button to flick through ALL speed modes.

**TIP - Be sure not to press and hold the on/off button as this turns the remote off. The remote will remember what speed mode your previous ride was in and the next time you turn on the board and remote it will begin in this speed mode.**

**Slow** - Perfect for beginners, has limited top speed of around 14km/hr.

**ECO** - Perfect for cruising on longer rides that have no incline, has slower acceleration and top speed of around 27-30km/hr. ECO mode is not designed to ride on hills.

**Fast** - For the advanced rider, has faster acceleration, good on hills and reaches top speed quickly.

**GT** - For the expert! Extreme acceleration, reaches top speed quickly, eats hills of up to 25% gradient!

### 4. Wheel Setting screen. (To select wheel and gear size for your board)

As the GT board can interchange wheels and drive gears, this will effect speed and torque ratio's. So, be sure to select the right wheel and gear combo you are riding with as this will give you accurate speed display on your remote. The speed is calculated on the motor RPM's and is very accurate, see below:

**Step 1** - Press the left Sync button 2 times in a row quickly. This will now display the menu screen. (see picture on the right)



**Step 2** - Now press the on/off button 1 time quickly. The LCD screen will now display all the wheel and gear settings.

**Step 3** - To select the correct wheel and gear size, quickly press the left sync button, this will move the highlighted cursor between the wheel and gear selections. Once you have found the gear size you wish to use, then press the right on/off button 1 time quickly to select this wheel and gear option, once selected you will now be now be back in the main menu screen.



**Step 4** - Now press the left sync button until you are on the return menu, press the right on/off 1 time quickly to return to your display riding screen. You will now see in your display screen the adjusted wheel and gear setting you selected.

## 5. Preference Screen. (Selecting Km/hr vs MPH)

**Step 1** - Press the left Sync button 2 times in a row quickly. This will now display the menu screen.

**Step 2** - Now press the on/off button quickly until the cursor is highlighted on "Preference".

**Step 3** - Now press the on/off button 1 time and then press again until you have selected the right unit of measurement for your region.

**Step 4** - Once selected, press the left sync button 1 time to the return display and press the right button 1 time to return to the menu screen.

## 6. More Info Screen.

This provides the following information:

- 1.Product Serial number.
- 2.Battery voltage display.
- 3.Board error display.







## Battery % information for the skateboard and remote

When riding, you can see how much battery you have left in your skateboard. The % display is for the skateboard battery and as you ride the board, the '%' will reduce in value. Please note, as the % becomes less than 40% in value, the battery will drain much faster and performance will be less and top speed and torque will reduce. During this time you should begin thinking to charge the board very soon. Riding up hills, on grass, speed changes and heavy acceleration will reduce the % value much faster than riding on flats and holding a speed. Riding in Fast and GT mode will also reduce the % value faster than riding in ECO or slow speed modes due to the larger current being used in these speed settings. The most efficient way to ride and to get the largest distance per charge is to ride in ECO mode and on flat smooth surfaces and hold a speed (avoiding speed changes). When the battery is fully charged the % will be a green colour. When the % gets below 50% it will turn yellow/orange in colour. Once the battery reaches 14% it will turn red in colour and soon after this you will see a message on the screen saying 'battery drain'. This means the battery is flat and you must charge.

The remote will also notify you when the battery in the remote needs to be charged. When the battery is low on voltage you will see a flashing red meter bar. This means the remote battery is very low and it must be charged as soon as possible.



## Ride functions

- 1. Trip function.** The trip display will show your distance travelled for your current ride only and is very accurate. Once you turn your board off the trip meter will reset itself and return to 0 value.
- 2. Reverse function.** Once the board and remote are turned on, press the sync button quickly 1 time. You will see the (REV) symbol appear on the remote, now you can use the board in reverse. To change back to forward, simply press the sync button 1 time quickly and the (REV) symbol will disappear meaning you are back to forward mode.



## Riding Tips

- 1.** ALWAYS wear a helmet & appropriate safety gear.
- 2.** The street boards best perform on smoother style roads and path ways. Always search for the ultimate riding surface such as carparks, smooth roads, smooth footpaths...it's good to mix things up!
- 3.** These boards are designed for carving. It's not about how fast it goes (although it is very fast), it's about the performance in the carve, cruising the beach footpath or road, transportation and having fun!
- 4.** To keep your board riding quietly, always clean your bearings and check all the screws on the battery box, trucks and rest of the board are tight. This is your responsibility and should be done regularly. Lithium grease is a good trick for squeaking bushings, pivot cups and even wheel hub bearing seats, it works like magic!
- 5.** Never leave your board unattended while charging.
- 6.** Always clean your board (trucks, battery box deck etc) so it looks and performs as new, it even makes it go faster!
- 7.** Be aware of the terrain you are riding! Watch out for changes in levels on roads/footpaths to avoid scratches on the under carriage and damage to the skateboard. Ride the street setup on smooth surfaces only. Ride the AT setup on any surface, however avoid heavy off road terrain or you run the risk of damage to the board.
- 8.** Be aware of the terrain you are riding! Watch out for changes in levels on roads/footpaths to avoid scratches on the under carriage and damage to the skateboard. Ride the street setup on smooth surfaces only. Ride the AT setup on any surface, however avoid heavy off road terrain or you run the risk of damage to the board.
- 9.** Try to avoid steep hills for long duration, as this will drain the battery faster and put strain on the electronics.
- 10.** Riding the board hard and doing slides will put a large amount of strain on the drive train, if you intend on riding this way be prepared for extra maintenance!



## Maintenance (quick guide)

**If you regularly clean and maintain your electric longboard, it will last a long time and ride at its best:**

- 1.** Always clean your bearings for best roll and quietest/smoothest ride (including the bearing in the drive gear). Bearings get dirty and effect ride quality and may reduce battery performance and cause possible bearing failure. Keep an eye on the bushings and pivot cups, as these wear and become dirty they create noise. At this time try cleaning them and using a small amount of lithium grease, this works like a charm. If the bushings are worn out, its best to replace
- 2.** Always check all screws/nuts throughout the skateboard are tight (truck nuts, wheel nuts etc). You are responsible for this.
- 3.** Rotate the wheels on the skateboard as you would do so with any longboard skateboard, as the drive wheels will wear the fastest.
- 4.** Regularly clean & check the belt and drive gear for any damage. Replace if necessary via the Evolve websites.
- 5.** Its best to store the board and battery with a voltage of around 36-37V if you intend to not use it for long periods time. During times of heavy use its best to keep it fully charged.
- 6.** Always store your board at room temperature (not in a hot car!!).
- 7.** Clean your board from dust and dirt so its looks and rides as new at all times. Use a damp & dry cloth to clean.



## Trouble Shooting

This manual is a quick start guide only. For detailed information regarding tips, maintenance and trouble shooting, please visit [www.evolvekateboards.com](http://www.evolvekateboards.com). Here you will find links to your local distributor for detailed information.

**Please contact your local distributor for ALL maintenance and trouble shooting questions. You will also find many video tutorials on the distributor websites – [www.evolvekateboards.com](http://www.evolvekateboards.com)**

## Warranty

This board is covered by a 180 day manufacturers warranty that covers defects in workmanship and material. This does not cover misuse, neglect, abuse, accident, perishable items such as belts, bushings, wheels and bearings or riding in water and shipping damage. For warranty claims and details, please visit your local distributor website for instructions. Please keep your shipping box in case the board ever needs to be returned.



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SKATEBOARDS

[WWW.EVOLVESKATEBOARDS.COM](http://WWW.EVOLVESKATEBOARDS.COM)

## **FCC Warning:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.