

evolve

R-2 REMOTE OPERATION





Turning the remote on and off

Turn the skateboard on first, then press and hold the ON/OFF button on the remote for 1 second (see remote picture). The remote will vibrate briefly once and the LCD screen will power on, displaying the Evolve logo. The remote will then display the operation screen. To turn the remote off, press and hold the ON/OFF button for 1-2 seconds.



Pairing/Syncing your remote

Press and hold the mode 1 button on the remote for 1 second. A white antenna sign will begin to flash. Once paired, the white antenna sign will switch to a solid symbol and the battery display will show a reading. This means you are ready to ride! Note – You should only need to pair your remote once unless you swap remotes with another skateboard or have a replacement.

TIP – Make sure not to touch the trigger as the remote is pairing to the board. Once paired, lift the wheels off the ground and pull the trigger to test that the control is clean and smooth. If there are any delays in the control, turn the board and remote off and retry the above process.



Changing SPEED modes on your remote

Once your remote is on and paired to your skateboard it will begin in 'Safe Mode' as the first speed mode setting. Now press either MODE 1 or MODE 2 button once, this will change the speed from SAFE Mode to the previous speed setting of your last ride. Each time you press Mode 1 button, this will increase the speed mode from Slow mode through to GT mode. Each time the Mode 2 button is pressed it will decrease the speed mode from GT mode through to Slow mode. Each time you press the Mode 1 or Mode 2 button to change your speed settings the remote will vibrate 1 time giving warning the speed mode has changed. The speed mode is clearly displayed in the top left corner of your LCD screen. The remote will save the previous speed mode setting on your remote.

SLOW Speed Mode - Weak acceleration, perfect for beginners.

ECO Speed Mode - Cruising mode with 75% of top speed.

FAST Speed Mode - Fast acceleration, can reach top speed, good for hill climbing.

GT Speed Mode - Insane acceleration, eats all hills, for experts only!

TIP - Use the speed change buttons as you would gears on a bike. Cycle through them according to the riding situation, for example – Select Fast or GT mode for an approaching hill, then cycle back down to Fast or ECO once you have reached the top of the hill



Selecting wheel and gear sizes for your board

Be sure to select the right wheel and gear combination you are riding with, as this will give you an accurate speed display on your remote. The wheel and gear setting is displayed in the top left corner of the LCD screen.

To change:

1. Press the ON/OFF button 2 times in a row quickly. This will now display the menu screen.
2. Now press the on/off button 1 time quickly. The LCD screen will now display all the wheel and gear settings.
3. To select the correct wheel and gear size, quickly press either Mode 1 or Mode 2 buttons. This will move the highlighted cursor up or down through the wheel and gear selections. Once you have found the gear size you wish to use, press the ON/OFF button 1 time to select this wheel and gear option. Once selected you will now be back in the operation screen.

NOTE – The street boards all come with 32T gear as standard. The AT boards come with 66T gear as standard. Other gear sizes and wheels are available on Evolve websites.



Selecting Km/hr or MPH

1. Press the ON/OFF button 2 times in a row quickly. This will now display the menu screen.
2. Now press Mode 2 button until the cursor is highlighted on "Preference".
3. Now press the ON/OFF button 1 time to select the right unit of measurement for your region (KM/HR or MPH).
4. Once selected, press the Mode 2 button to move the cursor to the 'Return' selection, then press the ON/OFF button. This will now take you back to the operation screen with the correct unit of measure.



Battery indicator display for skateboard and remote

When riding, you can see how much battery is left in the skateboard and remote in real time. The battery of the skateboard is displayed as a small skateboard in the top right hand corner of the LCD screen, and as a small battery bar under the skateboard for the remote. As you ride your skateboard and use your remote, the skateboard battery meter and remote battery meter will slowly deplete. If you ride up hills, accelerate heavily, and ride over grass you should expect the battery meter value to drop quickly during these periods. Flat ground riding and holding a speed is the most efficient way to ride if you are trying to maximize your ride time and keeping the battery meter value from dropping quickly. If you prefer the battery meter to be displayed on your remote as a % value instead of the skateboard meter, you can change this setting in the 'Preferences' screen.

NOTE - The % value will be higher without a rider standing on the board and will reduce once the rider begins to use the skateboard. This feature helps you understand how varied conditions affect your battery usage.

Low battery AUTO ECO function 5% - When you reach less than 5% battery capacity during your ride, the remote will switch to ECO mode and vibrate for about 3 seconds giving you warning that the battery is low on power and you should consider recharging your skateboard very soon. If you are accelerating and the % value drops below 5%, ECO mode will not come on until you let the trigger go, then the next time you accelerate you will be in ECO mode. To change speed modes if the auto ECO has come on, simply press Mode 1 or Mode 2 buttons if you are not wanting to continue riding in ECO mode.

NOTE - Avoid accelerating heavily in GT or riding up big hills or grass when the % value is less than 15% to prevent the Auto ECO mode from being activated. You can still use GT mode with less than 15% battery value, but it is best to avoid sudden acceleration. Selecting FAST speed mode or ECO mode is a good option during these times as it uses 50-75% less current than GT mode. The auto ECO feature has been designed to let you know when you're running low on battery so you can still efficiently arrive at your destination.

TIP - If your battery is low but you still wish to get up that last hill and you know you'll be in Auto ECO mode by doing so, keep the accelerator trigger pulled in even if you are going very slow. The ECO mode will not come on until you let the trigger go.



Trip Meter

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.



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!



How to brake

Push the brake trigger forward SLOWLY and you will begin to slow down. The further you push the trigger, the stronger the braking feeling will be. When riding very slowly the brakes will be softer than when you are riding at a higher speed. Have your weight on the back foot when you apply the brake function to stop you from flying forward when applying the brakes.



Auto Safe Function

All wireless signals can experience distortion or signal loss from time to time. The auto 'Safe' mode will be activated if the signal from the remote to the skateboard is disturbed. If signal disturbance occurs during your ride, the board will automatically go into neutral mode (free roll with belt resistance) and the remote will vibrate 3 times in a row, when the signal returns a few seconds later the board will be in 'Safe' mode.

'Safe' mode has very weak acceleration and braking strength to prevent the rider from sudden acceleration and braking when the signal returns to the remote. To get out of the auto 'Safe' mode function, simply press the left speed mode button to then be taken back to the previous speed setting you were riding during time of signal loss.

TIP- For best signal connection, avoid blocking the signal from the remote to the board (i.e. signal strength can be effected by other Wi-Fi devices, metal objects, holding the remote in your pocket or very close to your body)



Safety/Deadman Switch

The Safety Switch is located under the accelerator trigger (see pic) and must be pressed in by your 2nd and/or 3rd finger as you pull the accelerator trigger to begin riding. The speed mode display on the LCD screen will turn a solid color once you press in the Safety Switch. If you do not press the Safety Switch in as you pull the accelerator trigger, the wheels will not spin and the board will not move.

Once you begin moving and reach speeds of **3-5km/hr** or above, you will be able to ride freely without pressing in the Safety Switch during acceleration, braking or neutral trigger movements. When you come to a stop or reach 0km/hr, the Safety Switch reactivates. You must press in the Safety Switch the next time you wish to use the accelerator trigger again. The Safety Switch can be disabled by going to the 'Preferences' menu and selecting 'Deadman' to 'off'.

Other remote operation functions and tips:

- 1.** If you accidentally press both the accelerator trigger and brake trigger at the same time, the brake function will work and cancel out the accelerator.
- 2.** If you hold down the accelerator and brake triggers then let the brake trigger go it will not accelerate, this is safety featured of the remote software.
- 3.** As you are riding and holding down the accelerator or brake trigger, you will not be able to change speed modes or turn the remote off until you let the triggers go. This is a safety feature of the remote software.
- 4.** When the Safety Switch is enabled and you kick push the skateboard to start, you can avoid pressing in the Safety Switch, this is also good for battery efficiency.
- 5.** Get to know the vibration warnings on your remote, these can be useful during your ride.
- 6.** The LCD screen is much easier to see when there is less direct sunlight.

R-2 REMOTE



⚠ WARNING ⚠

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. For this reason, it's 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. Do not ride on busy roads with line markings.

The fastest speed modes are very powerful and the trigger is highly sensitive, be sure to 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!

FCC Statement

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.