

PRO V2

EVOLV

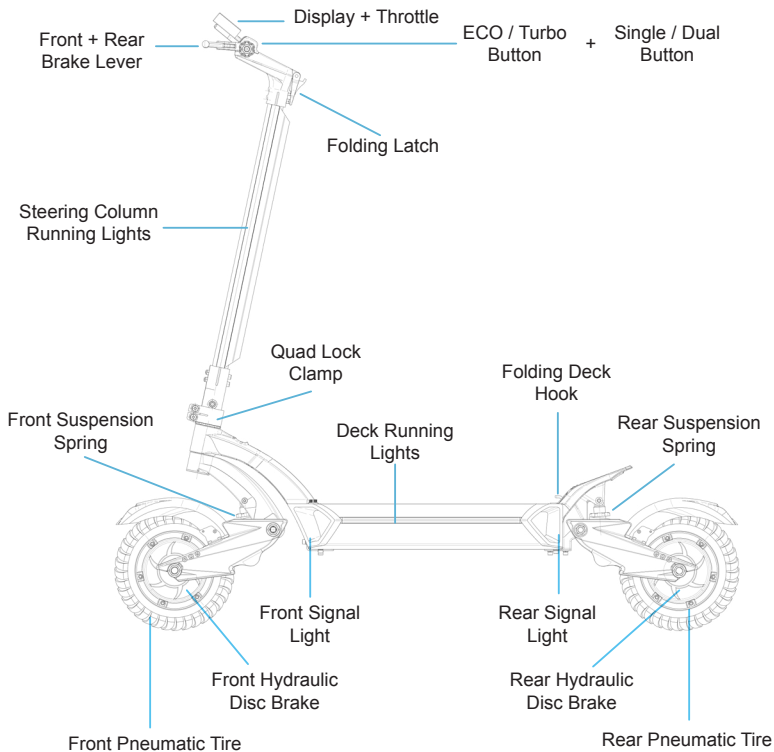
USER MANUAL

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CHARGE UP YOUR JOURNEY

Pro V2 / Pro-R V2



Dashboard Instructions



Trip Info Screen

TOTAL INFO	TRIP INFO	SPEED INFO
2359.8 mi	359.8 mi	AVG 25.2 mi/h
125	01:35	MAX 56.8

Dual Motor Info Screen

ON	35.2A	NA	65 C
OFF	35.2A	NA	85 C

Power Switch

Press and hold the power button for 1 second to turn on scooter. The scooter turns off automatically if not used for 10 minutes.

Speed Control

While stationary, and with the power on, press the “+” and “-” button to change speed levels from 1 to 3. Use the throttle to control the speed within each speed level.

Main Headlight

Hold down the “+” button to turn on or off the steering stem and deck running lights. The main headlight and taillight will always stay on. The taillight will flash automatically when braking.

Data Zero Out

To zero the data, including AVG Speed, Max Speed, Trip, and Time, press and hold both “+” and “-” buttons for a few seconds.

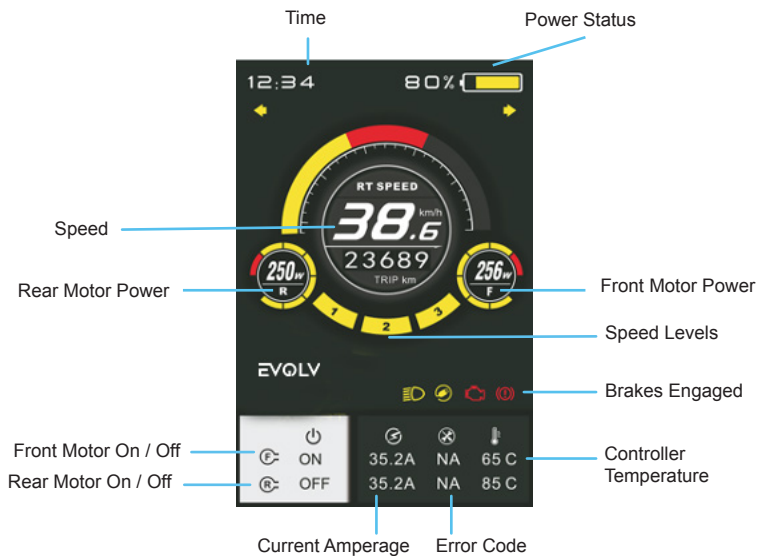
Trip / Dual Motor Display

Press the “M” button once to switch between Trip and Dual Motor information screen.

Menu Setting

Please see page 6 for menu and advance settings.

Dashboard Instructions



Error Codes

1	Motor phase
2	Hall sensor fault
4	Handle turning fault
6	Controller error
7	Communication error
8	Over temperature protection



ECO: Maximizes range. Limits riders to a set speed limit at each speed level but enables you to ride longer. Eco mode is turned on when the “ ECO / TURBO “ button is pressed once.

When Eco mode is engaged, speed is limited to:

Speed 1: 15 km/h / 9 mph

Speed 2: 20 km/h / 12 mph

Speed 3: 25 km/h / 15 mph

TURBO: Maximizes power and allows riders to reach top speed. Turbo mode is turned on when the “ ECO / TURBO “ button is decompressed.

CAUTION:

1. Do not press ECO mode when riding fast because the scooter will slow down immediately.
2. Only activate ECO mode when not in motion.

SINGLE / DUAL

DUAL: Engages the front motor allowing riders to use both motors. Dual mode is turned on when the “ SINGLE / DUAL “ is pressed once. The display will show “ R : ON “ and “ F : ON “ when dual is pressed.

CAUTION:

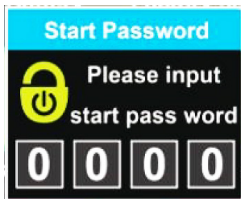
1. Do not start riding on DUAL mode. Engage DUAL mode when riding so you are accustomed to the power change.

Password Access

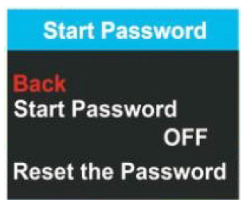
Press " M " button to enter the password setting menu.

Enter the default password " 0000 ".

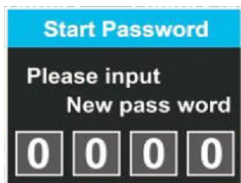
Adjust the numbers by pressing " + " or " - " buttons. Press " M " to save the settings.



Start password option: Turn on this option to enable the password screen whenever the scooter is turned on. Turn it off to disable it.



To reset the password, you will need to enter the current password.



Menu Settings

Press the "M" button twice quickly to enter the settings. Press the "M" button twice again to exit. Click "+" or "-" to switch pages.

To change parameters, press "M" and the page will start flashing. Adjust the settings by clicking "+" or "-" buttons. Press "M" to save settings.

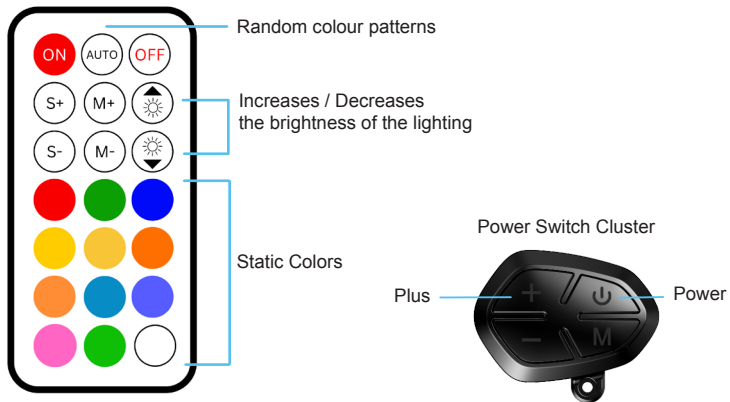
Brightness	Adjust brightness levels from 1 to 5.
Unit System	Metric / Imperial
Auto Off	Adjust auto off time from 1 to 10 minutes or turn off completely.
Clock	Adjust time value.
Start Password	Turn on / off password access when starting vehicle
Informations	Overview of vehicle information.
Advance Settings	Please see table below.
Factory Settings	Pressing "Yes" will restore all parameters to factory settings except ODO.
Exit	

Advance Settings

Enter the advanced setting screen with password "2112".

Cruise (Optional)	OFF	AUTO: Cruise control enabled MANUAL: OFF: Cruise control disabled
ABS	OFF	Do not change
Speed Magnets	15	Do not change
Assist Parameter	>	Do not change
Export	NO	Do not change
Wheel	10.0	Do not change
Power System	52V / 60V	Do not change
Zero Start (Optional)	N	N: Kickstart enabled Y: Kickstart disabled
Temp Protection	120 Degree Celcius	Do not change
Exit		Press Exit or "POWER" button to exit menu

Running Lights



Turn On

Press and hold the “ + ” button on the power switch cluster. The running lights on the deck and steering stem will turn on.

Turn Off

Pressing the “ OFF ” button or holding down “ + ” on the power switch cluster will turn off the running lights.

The lighting system will save its last displayed pattern.

S+ / S - Increase or decrease the speed of the pattern progression.

M+ / M - Changes through the lighting modes. Switch through 100+ different colour / pattern combinations.

Steering Column
Latch & Deck Hook



1. Release the steering column latch from the hook on the deck.
2. Raise the steering column and slide the quad lock clamp downward.
3. Tighten the 4 hex screws on the quad lock clamp.
4. You should feel minimal play in the steering column if secured properly.

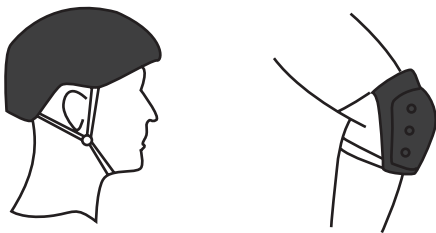
Note: An optional quick release clamp is also included.

How to Fold



1. Turn off the power.
2. Loosen the 4 hex screws on the quad lock clamp.
3. Slide the quad lock clamp upward. Push down the steering column toward the kick plate to fold.
4. Slide the steering column latch into the hook on the deck to lock it in place.

Note: An optional quick release clamp is also included.



1. To prevent injury, wear safety gear such as closed toe shoes, a helmet, and knee / elbow padding.
2. Stay alert when riding! Don't wear headphones. Use the scooter bell to notify other riders on the road.
3. Always ride in bike lanes or the right side of the road. Stay off sidewalks.
4. The scooter is not waterproof. Never use it in the rain or snow. Do not use it if the road is wet or icy. Water damage is not covered by warranty.
5. Changing the dashboard settings may result in malfunction. If you need to change the settings, please ask for help from an expert or authorized dealer.
6. When turning left and right, make sure that there are no obstacles and then turn slowly, keeping a wide turning radius.
7. Before every ride, check the scooter for loose bolts and nuts. Check if the brakes, headlights and taillights are working. Ensure your battery is charged and tires are inflated to the correct pressure.
8. An operating age of 16 years old and over is strongly recommended.

How to Charge



1. Always plug the charger into a household outlet before connecting to the scooter, to safely start charging. Sparks may occur due to the voltage difference when attaching the connector to the charging port, but this is normal.
2. Open scooter charging port cover to connect the charger to the scooter.
3. Charging status indicator on the charging brick.
Red: Charging **Green:** Fully charged
4. If the charging indicator is green, the scooter is fully charged and can be disconnected.
5. It doesn't matter which charging port you plug the charger into.

CAUTION:

1. We recommend that you always use the original charger. Performance and safety may be compromised when using a different charger.
2. Charger failure may cause a fire while charging.
3. Do not leave your scooter charging unattended.
4. After unplugging the charger, charging connectors may be hot.

1. Only use the original charger that was supplied with your product to charge the lithium-ion battery. The use of a third party charger could cause serious damage to the battery and can cause a fire.
2. To prevent overcharging, unplug the charger once the charger light indicates the battery is fully charged. Do not charge the scooter overnight. Instead, resume charging when you are available to unplug the charger once the battery is fully charged.
3. Do not leave the lithium-ion battery exposed to direct sunlight or high temperature. Do not store it in wet places. Always store it in dry places.
4. Charge lithium-ion batteries in dry, open, and well-ventilated places. Do not charge the battery near flammable goods.
5. In the winter, keep the scooter stored inside, away from extreme temperatures. Do not let the battery run flat. The scooter must have at least 20% charge on it at all times. Please see page 14 of user manual for storage instructions.
6. If the battery protection circuit is damaged, the battery may emit an unusual smell. Contact your authorized service center immediately for technical support.
7. Do not reverse the polarity on a battery and short-circuit. Exposing the battery to excessive shock can result in an explosion of the battery.
8. Do not try stunts or jumps on the product on bumpy surfaces. Exposing a battery pack to excessive shock can result in a battery fire. If in an accident contact your service center to ensure that the battery is not compromised.

Battery Safety

9. Connecting the charger when the product is waterlogged will run the risk of an electric shock and possible fire. Do not charge the battery and contact your service center.
10. Do not disassemble or incinerate the lithium-ion battery. To safely dispose of the lithium-ion battery, label it as industrial waste and be careful of a short-circuit occurring in terminals.
11. If the battery requires replacement after long-term use, always replace it with one that is purchased from an authorized dealer.
12. Do not use the battery if it leaks or gives off an odor. Avoid charging the battery without proper care.
13. Depending on the model, riding conditions, and rider's weight, range will vary on a full charge. Please note that batteries operate optimally at around 25 degrees Celsius. In colder weather, it is normal for your scooter to experience a shorter than normal range on a full charge.
14. When the scooter needs to be stored for a long period of time, make sure the scooter has at least 20% charge at all times.
15. If a product with a lithium-ion battery overheats and there is smoke or ignition, you should stop charging or using it immediately. Move the product outdoors and use a fire extinguisher to diffuse it. Do not spray or immerse the product in water to diffuse the fire.

Adjusting Brakes

Hydraulic brake systems require less maintenance, but do need to be bled from time to time in order to stay at peak performance levels. Bleeding the system involves removing any built up air in the hoses and topping off the hydraulic fluid and requires a hydraulic brake bleeding kit.

If you are not comfortable doing this yourself, reach out to your dealer for further directions.

Cleaning

To clean the scooter, wipe or scrub with a damp cloth. Do not use a hose to spray it with water. Make sure the electric scooter is powered off and the cover of the charging port is closed when cleaning.

Storage

During the winter months store the scooter indoors in a cool, dry place, and away from extreme temperatures. Do not let the battery run flat. The scooter must have at least 20% charge on it at all times. When storing for a long period, place the scooter on a stool or lie it on its side to take weight off the tires. Keep the tires pumped to the recommended PSI.

Folding

Turn the electric scooter off. Please see pages 8 and 9 for instructions on folding and unfolding.

Inflating Tires

Please keep the tires inflated to 50 - 55 PSI to avoid punctures and damage to the tires.

Note: PSI level can usually be found on scooter tires.

Product Specification

Product Name	EVOLV Pro V2 / Pro-R V2
Motor (Individual)	52V Dual 1,200 Watt per Motor (Pro V2) 60V Dual 1,400 Watt per Motor (Pro-R V2)
Peak Power Output (Combined)	2,600W Peak (Pro V2) 3,600W Peak (Pro-R V2)
Max Speed	70 km/h / 44 mph (Check local laws before use)
Max Mileage	50 - 60 km / 31 - 37 mi. (Pro V2) 70 - 80 km / 43 - 50 mi. (Pro-R V2)
Battery Type	Lithium-ion Battery (21700 Cells)
Battery Capacity	52V 20.4AH (Pro V2) 60V 25 AH (Pro-R V2)
Lights	Main Head Light, Front Fender Light, Taillight, Running Lights, and Turn Signal Lights
Braking	Front and Rear Hydraulic Disc Brake System
Tires	10 Inch Pneumatic Front and Rear Tires
Hill Grade Ability	35 Degree Slope
Suspension	Front and Rear Spring
Dashboard	Smart Display
Display Functions	Battery, Trip, ODO, Speed, Mode, Voltage, Controller Temperature, Motor Status, Error Codes, and Current Amperage
Folding	Quad Lock Clamp with optional Quick Release
Body Frame	Aluminum Alloy
Max Rider Weight	140 kg / 308 lbs
Product Size	137 * 70 * 120 cm
Product Weight	39 kg / 85 lbs
Box Size	142 * 30 * 55 cm
Colour	Black and Silver (Pro V2) Black (Pro-R V2)

BY USING THIS PRODUCT YOU AGREE TO THIS LIMITED WARRANTY. PLEASE READ THIS LIMITED WARRANTY CAREFULLY.

To benefit from the Limited Warranty, the customer is advised to read EVOLV Rides. Limited Warranty terms together with the “care and maintenance” sections provided in the user manual. This Limited Warranty applies to the extent permitted by law and unless restricted or prohibited by law.

Limited Warranty Details

EVOLV warrants that EVOLV Electric Vehicles (“Products” or “Product”), distributed by EVOLV, are free from defects in material and workmanship. Limited Warranty is applicable under the following terms and conditions:

1. This Limited Warranty extends to the original purchaser (name listed on the shipping address) of the Product only, during the first twelve (12) months or first 3000 km, whichever comes first, beginning on the date the purchaser received the Product (“Warranty Period”). An original purchase receipt is required to proceed with warranty repairs.
2. This Limited Warranty is terminated on the first day of the second year of ownership, when the scooter mileage reaches 3001 km, or when the scooter is resold to another individual. This Limited Warranty is non-transferable.
3. This Limited Warranty covers the Product and each of its following component parts (“Components”) only:
 - a. Hub motor;
 - b. Battery packs;
 - c. Controller;
 - d. Throttle and battery indicator unit;
 - e. Charger unit;
 - f. Scooter frame;
 - g. Scooter stem;
 - h. LED lights; and
 - i. All other electrical wiring and components.

Limited Warranty

The following components are covered only if defects are reported within the first 30 days or 10 km of use (whichever comes first):

- a. Rims;
 - b. Brake calipers;
 - c. Brake discs; and
 - d. Kickstand
-
4. During the Warranty Period, EVOLV Rides or its authorized service centers will repair or replace, at EVOLV Rides' option and without costs to the customer, any defective Components with new or factory rebuilt replacement items, and return the Products to the customer in working condition, provided that the terms and conditions of this Limited Warranty are met. All defective Products or Components that have been replaced shall become the properties of EVOLV Rides.
 5. Products and/or Components that have been repaired or replaced according to the paragraph above will be covered by this Limited Warranty for the balance of the Warranty Period.
 6. This Limited Warranty will only be effective when presented together, to either EVOLV Rides or its authorized centers, with proof of date and place of purchase of Products such as the purchase receipt.

What this Limited Warranty does not cover:

1. Normal wear and tear of any covered component.
2. Products used for commercial purpose(s) including but not limited to leasing/hiring, use in competitions, etc.
3. Any logistical costs of returning the Product to EVOLV Rides or its authorized service centers for servicing or the cost of returning the Product to the customer after servicing.
4. Defects or damages resulting from use of the Product(s) other than its normal and customary manner as stated in the user manuals accompanying the Products.
5. Battery failures resulting from water damage (including exposure to moisture or dampness), improper charging, power surges, aftermarket chargers, lack of proper winter storage, seals of the battery enclosure or cells being broken or tampered with, and/or the battery was used in equipment other than its intended use;
6. Defects or damages from improper storage, exposure to moisture or dampness, modifications, connections, repairs (except as carried out by EVOLV Rides or its authorized centers), misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of EVOLV Rides, including damage caused by dropping, blown fuses, spills of food, or liquid.
9. Loss of screws or stripped screws due to over forcing.
10. Unauthorized service center repairs.
11. Product rusting, blemishes, and/or loss of colour due to sun exposure and usage.
12. Any orders that have received a chargeback.
13. Defects or malfunctions of the product not communicated by the customer during the Warranty Period.
14. Products which have had their serial numbers removed or tampered with.

Limited Warranty

Disclaimer:

1. The customer understands the risk of serious injury or death in the operation of such products and shall agree to take the necessary precautions and exercise good judgment to avoid hazards and dangerous situations which may result in serious injury or death.
2. The customer shall agree to indemnify and hold harmless EVOLV Rides from all injuries or death arising from the operation of the product.
3. The use of safety and protective gear such as bicycle helmets is strongly encouraged. And so is the use of good judgment.
4. The customer is advised to take the following precautions:
 - a. Do not ride on wet ground or in heavy rain;
 - b. Take corners slowly and look out for pedestrians;
 - c. Avoid potholes, curbs, and debris on the ground;
 - d. Keep tires pumped to the specified pressure;
 - e. Dismount in places with heavy human traffic and push the scooter manually;
 - f. Service the product every 3 months of regular usage, 6 months for non-frequent usage;
9. Do not use the product on public roads and respect local road regulations.

Limited Warranty

How to request service under this Limited Warranty:

To request EVOLV Rides to repair and/or replace the Product or its Components under this Limited Warranty, the customer must, during the Warranty Period:

1. Contact EVOLV at info@evolvrides.com
2. Submit proof of purchase, along with a photo or video showing the claimed defect.
3. The average repair time is 3-7 days, excluding shipping time to and from our service center.

This warranty does not cover the shipping costs associated with the transportation of the scooter to and from our service center, and a fee will be charged for return shipping or pick up and delivery service.

The consumer and EVOLV Rides agree that in the event of a dispute arising from the material and workmanship of the Product; or this Limited Warranty, parties will attempt to first resolve the matter by negotiating in good faith. If this fails, parties agree to submit the dispute to the Small Claims Tribunal of British Columbia and agree to be bound by any order made by the aforementioned Tribunal.

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EVOLV Rides
www.evolvrides.com