

> style / fun / freedom / energy



**BLUETOUCH.**

**BT350 LITE**

**ELECTRIC SCOOTER BLUETOUCH**

# **INSTRUCTION MANUAL**



Dear Customer,

Welcome to the family of e-scooter fans. Thank you for choosing a BLUETOUGH e-scooter and we hope you will appreciate the possibilities this product offers every day.

When developing BLUETOUGH e-scooters, we put emphasis on fine-tuning every detail and thoroughly tested all its parts. The result is a precisely crafted machine that provides you with mobility, comfort and freedom in the most economical form of transport. This revolutionary and stylish means of transport is easily portable, environmentally friendly and economical.

You will no longer have to deal with parking spaces, crowded public transport and traffic costs. The BLUETOUGH e-scooter offers ideal riding characteristics, easy handling with the possibility of flexible folding wherever it is needed and, last but not least, highly economical operation.

Enjoy the joy of riding with the new BLUETOUGH e-scooter and return home safely.

More information and the manual in electronic form can be downloaded at **[bluetouch.com](http://bluetouch.com)**

BLUETOUGH is a registered.





### Contents of the package

- T350 LITE e-scooter
- pump
- instructions for use
- 2 sets of keys to the safety lock
- tool set

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# Notice

Handle the e-scooter as recommended in this manual. Follow the safety instructions to avoid potentially risky situations.

As with other sports, the possibility of injury and damage to the product must be taken into account when riding an e-scooter. It is very important to remember to follow all safety rules.

## Safety instructions

- > This product is designed for one person only, do not carry more than one person on the e-scooter!
- > Take care of your health and safety and wear a helmet when riding.
- > Do not exceed the permissible load capacity.
- > Charge the battery 6 hours before first use.
- > Keep tyre pressure between 40 psi and 50 psi (2.8–3.4 bar).
- > Practice riding in open areas, use only after thoroughly familiarizing yourself with the device.
- > Switch off the battery charging before driving.
- > Do not use at temperatures below 5°C.
- > If you don't use the e-scooter for a long time, charge it once every 30 days at least to 60% of the battery capacity.
- > Place your feet on the footrest of the e-scooter while riding.
- > Please drive slowly down the hill.
- > Do not drive on broken or wet roads or roads covered with snow or ice.
- > Do not use the e-scooter in the; if you must do so, reduce your speed to below 10 km/h. Avoid hard braking, which could lead to skidding.
- > Set the appropriate height of the scooter handlebars before riding.
- > Do not leave the e-scooter standing in water or spray water directly on it to wash it. A stream of water could cause damage to the motor and electronic components of the product.
- > Do not attempt to use the e-scooter for jumping and other dangerous games that significantly increase the risk of injury and damage to your e-scooter.
- > Do not use this product if exposed to for long periods of time.
- > The user of an e-scooter must use good judgement and common sense to recognise and avoid the risks and dangers they may encounter when using the e-scooter.
- > The e-scooter is not approved for use on operation on land roads.

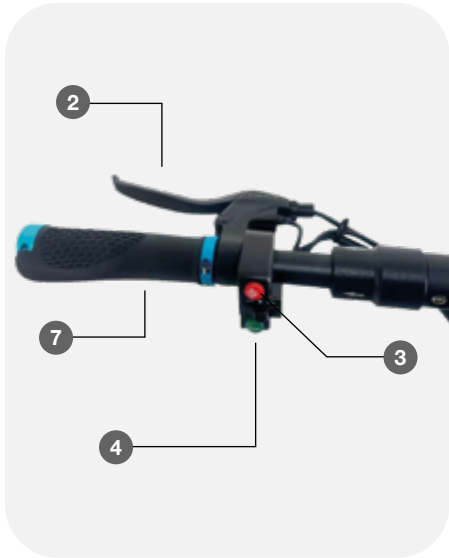
- > The user must not use the e-scooter under the influence of alcohol, drugs or medication or other substances that may cause loss of attention.
- > Riding an e-scooter is not recommended for pregnant women or people under 16 years of age.
- > It is possible that your insurance does not cover damage to the e-scooter or injuries sustained while using the device. Contact your insurance company for more information before using the e-scooter.
- > The user must comply with the applicable local traffic regulations when riding the e-scooter. If used illegally on public roads, including cycle paths, the user runs the risk of being fined or even prosecuted in the event of an accident.
- > Neither the dealer nor BlueTouch, s.r.o. shall be liable for any damages, property loss, personal injury or litigation arising from failure to follow the information in this manual or to obey the rules of the road.
- > Make sure you have read and understood this manual before riding your e-scooter. Pay full attention to the controls when riding the e-scooter. Do not use the e-scooter unless you have read this manual carefully.
- > This user manual includes basic operating instructions for the BLUETOUGH e-scooter and cannot describe all situations in which injury or death may occur.

**Please note that the manufacturer is not liable for incidental or consequential damages caused directly or indirectly by the use of this product.**

# Appearance



1. Security lock
2. Rear brake
3. Light switch
4. Bell
5. Multifunction display
6. Accelerator
7. Handle
8. Front brake



# Functions of individual components



- 9. Front LED headlight
- 10. Light alloy wheel axle
- 11. Front 8" inflatable tyre
- 12. Cabling
- 13. Quick-release lock nut
- 14. Folding mechanism lock
- 15. Battery charging connector

- 16. Footstool
- 17. Rear 8" tubeless tyre
- 18. High-performance brushless motor
- 19. Rear 3D headlight
- 20. Support stand
- 21. Front cover

# Main components



Quick folding system



Rear tubeless tyre



Step with non-slip tread



Front suspension



Connector for charger



Front tyre



Multifunction display / accelerator  
/ switch / battery charge indicator



Headlight switch / bell



Detail of the quick-release sleeve



Support stand

# Handling the multifunction display

## 1. Display appearance



## 2. Fixing the display

Loosen the fixing screws of the display sleeve and rotate the display so that it is easily visible and the accelerator lever is easy to operate. Then tighten the fixing screws. Remove the protective film from the display.

## 3. Display control

**A:** Long press the ON/OFF button, the display will be activated.

**B:** Press the ON/OFF button briefly to select another function, you will see TIME, TRIP, ODO and so on.

TIME: time since the display was switched on

TRIP: total distance travelled since the display was switched on (in km); To reset the display, press the MODE button for a long time.

ODO: total distance travelled (in km)

**C:** Press the **M** button to switch between gears, press the **M** button again to confirm the selected gear (**L1** is low, **L2** is medium, **L3** is fast), the gears have a memory function, the last used is automatically stored. If the battery is fully charged and the load is less than 70 kg, the corresponding speed is shown below:

**L1:** max. speed is about 10 km/h

**L2:** max. speed is about 20 km/h

**L3:** max. speed is about 30 km/h

## Cruise control

If the power/speed is maintained for approx. 3–5 seconds, cruise control is activated. Cruise control maintains engine power (the speed can vary, for example, depending on the roughness of the terrain) without having to hold the accelerator. The cruise control function is cancelled by pressing the brake or accelerator lever. The cruise control function can be removed in the P6 function settings.

## USB port

There is a USB port on the back of the display, which you can use to power/charge your mobile phone or tablet while the e-scooter is on. Once the phone is connected, the display will show “CH” and the charging time will start counting down. Please note: The USB port is not compatible with all types of iPhone phones.

## Error messages



If the e-scooter has a fault, a fault symbol may appear on the display:

Brake defect (this symbol is also displayed whenever the brake lever is pressed – this is not considered a fault)



engine defect



throttle defect



control unit defect

## 4. Display settings

The e-scooter is already set up for use. We recommend NOT to change the modes P0, P1, P2, P3 and P4. Press the MODE and ON/OFF buttons simultaneously to enter the setup mode. P0 will be displayed, then press the MODE button, P1 will be displayed. Continue pressing the MODE button, P2, P3, P4, P5, P6 will be displayed.

P0 = setting the wheel diameter of the e-scooter. P1 = adjusting the under-spring

P2 = speed display adjustment

P3 = speed measurement method (higher value = higher speed) P4 = miles and kilometers setting (0 = km, 1 = miles)

P5 = accelerator (0 reacts even at zero speed / 1 – need to bounce, reacts after bounce)

P6 = activating cruise control

P7 = acceleration after start (1 = strong acceleration) P8 = maximum speed limit

P9 = efficiency el. brake efficiency (0 = none, 1 = weak, 2 = medium)

| Functions | Factory set value | Settings options  |
|-----------|-------------------|---|
| P0        | 08                | Wheel diameter in inches. No need to adjust.  |
| P1        | 31,5 V            | Protection of the soffit. DO NOT change, there is a risk of damage or destruction of the battery. |
| P2        | 15                | Adjusting the displayed speed. Higher value = lower speed   |
| P3        | 0                 | Method of measuring speed. DO NOT CHANGE.   |
| P4        | 0                 | Speed unit. 0 = km/h, 1 = mph.  |
| P5        | 1                 | Accelerator functionality. 1 = throttle responds only after foot bounce.                          |
| P6        | 1                 | Cruise control. 0 = cruise control will not work.   |
| P7        | 0                 | Acceleration after launch. 1 = fast (not smooth)  |
| P8        | 100               | Maximum speed limit. Lower value = lower max. speed   |
| P9        | 2                 | Effectiveness of the electronic brake. 0 = none, 1 = weak, 2 = medium                             |

# Notice and general information

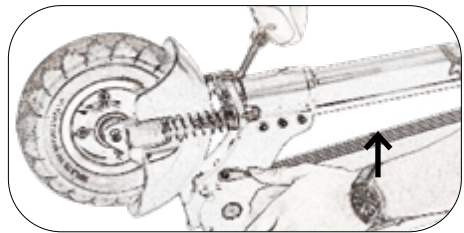
Please note that the manufacturer is not liable for incidental or consequential damages caused directly or indirectly by the use of this product.

## Handling the e-scooter

### Folding the e-scooter

#### Step 1

- > Lighten the handlebars by gently lifting them.
- > Press the safety catch on the side of the bar.
- > Straighten the handlebars until you hear a click.

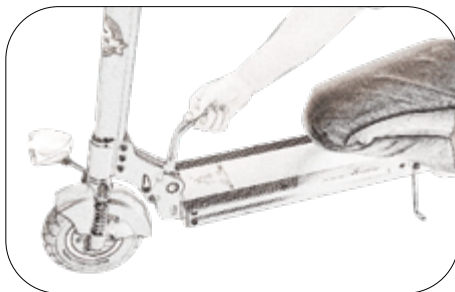


#### Important notice

To release the lock, hold the front bar in one hand at a sufficient distance from the folding mechanism to create momentum and find the point at which there is no pressure on the opening mechanism, while applying gentle pressure on the lock on the other side. At the right point, the mechanism will release. This will allow the rod to swing out. This is a patented method of simple folding and unfolding. Be careful when handling to avoid unnecessary damage to the opening mechanism.

## Step 2

- > Visually ensure that the safety catch is fully engaged.
- > Secure the locking bar by folding it back against the handlebars.



## Step 3

- > Release the sleeve.
- > Adjust the handlebar height.
- > Tighten the sleeve.

## Notice

The quick-release clamp on the handlebar body should be adjusted so that it provides when closing and the handlebar does not retract when pushed from above. If the sleeve is too loose, open it, tighten the nut on the axis bolt and tighten the sleeve.

Before each ride, make sure that the safety lock is fully inserted in the central folding mechanism, otherwise you risk injuring yourself and damaging the folding mechanism itself.

## Step 4

- > Fold the folded handlebars upwards.
- > Secure them in a horizontal position, the safety lock will click automatically.



Give your e-scooter a short period of time to adjust and get all the moving parts, such as hinges and brakes, in the right.

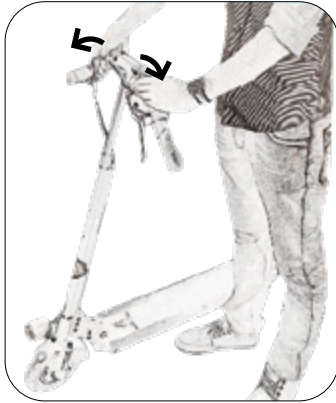
## Folding / unfolding the e-scooter

### Warning:

The BLUETOUCH e-scooter has a unique folding mechanism that allows for quick and easy folding for transport or storage.

### Step 1

- > Release the safety catches on the handlebars.
- > Bend the handles with slight downward pressure.

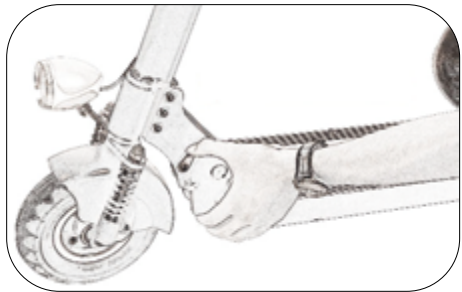
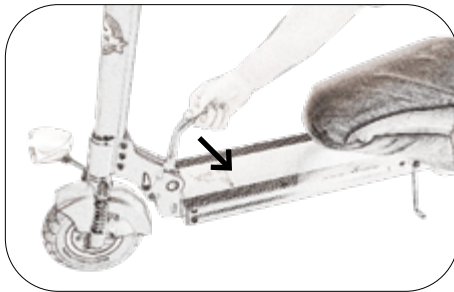


### Step 2

- > Release the safety sleeve on the front bar.
- > Slide the front bar downwards.

### Step 3

- > Release the lever of the folding mechanism to release the front bar.
- > Press the lock on the side of the bar, then you can safely fold the front bar.



## Charger and battery Charger

### Charger

The charger includes overcharge protection, which automatically stops further charging when the battery is 100% charged.

### Battery charging instructions:

1. Plug the charger into the AC adapter on the e-scooter (on the right side under the).
2. Insert the plug into a power outlet (AC 100–240 V).
3. Check that the power cord is connected to a power outlet.
4. When connected to the mains, the red signal light will illuminate - the battery is charging.  
When the light turns green, the e-scooter is already charged and ready for use. For maximum energy use, the best time to use the e-scooter is 2 hours after charging.  
To maximize battery performance, fully charge the battery for 9 hours.

### Unplug the e-scooter from the power outlet before installing or performing maintenance.

It is not safe to handle the e-scooter when it is plugged into an electrical outlet. An electric shock can cause serious injury and damage the e-scooter.

Do not attempt to open the battery in any way. Do not insert anything into the battery or attempt to open the battery cover, or insert any tool into the opening where the battery is stored, otherwise shock may result. Injury, burns or fire may result from attempting to open the battery case. Toxic substances contained in the battery may be released.

**Always use the original charger.**

This product is equipped with a high quality lithium battery that is rated for a minimum of 800 individual charges.

### Battery handling

- > Do not start the engine while charging!
- > The light indication is only for indicative information about the battery charge status.
- > Do not store the e-scooter for long periods of time (more than two months) with a fully charged battery.
- > From time to time, discharge the batteries completely (red LED light) by driving slowly until the e-scooter comes to a complete stop and switches off.

### Do not use an e-scooter if you feel that::

- > the main panel is broken;
- > the battery emits an unusual smell or significantly;
- > any liquids leaking out of it.

Avoid contact with the substance that flows from the battery. Keep the battery out of reach of children and pets. Exposure to battery voltage can cause death or serious injury.

Use, storage or charging of the e-scooter battery outside of the specified conditions may result in voiding the warranty, damage to the battery or ineffective charging of the battery.

# Operational guidelines

## Switch

There is an ON/OFF button on the control panel. Press this button for a longer time to activate the e-scooter. The indicator lights will illuminate. Press the button again for a longer time to switch off the e-scooter.

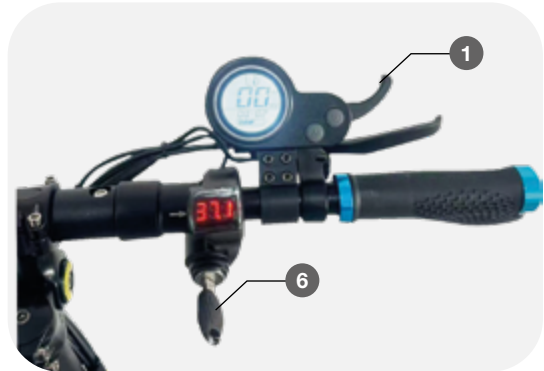
**Warning:** release the accelerator lever/ lower the revs before braking.



## Speed control

Use the accelerator lever to control the speed

1. Speed control/accelerator
2. Speed display
3. Battery capacity
4. Gear
5. Numeric value of the selected function
6. Security lock



# Riding an e- scooter

## Preparation before driving

1. Find a suitable location.
2. Unfold the e-scooter according to the instructions above. See step 2 Folding the e-scooter.
3. Adjust the handlebar height.
4. The front headlight is not firmly attached to the frame for safety during transport. Screw it onto the frame and adjust it to the correct position. Then tighten the fixing screw.
5. Make sure your handlebars are parallel to your body before starting the e-scooter.
6. Before using the e-scooter, visually check that all bolts and nuts are tight and in. If any component is missing or shows signs of wear, or you are unsure of the technical condition, bring the e-scooter to an authorised service centre for inspection.

7. Always check the brakes and mechanical before each ride.
8. Make sure that the safety catch is inserted all the way into the centre of the folding mechanism.

### **Riding an e-scooter**

1. Press the power button (ON/OFF) for more than 3 seconds to activate the e-scooter.
5. For a safer start, start with the help of a second person. First, place one foot on the footrest of the e-scooter, leaving the other foot safely on the ground. Slowly increase the throttle.
3. When the e-scooter starts moving, put the other foot on the e-scooter, accelerate.
4. To activate the e-scooter's electric drive from zero speed, it needs to bounce off the ground several times to reach a certain speed. You can then use the control lever on the handle to apply the throttle and accelerate the e-scooter (setting P5 – value 1). If the P5 setting is 0, you do not need to push off to activate the e-bike.
5. When braking, lean your weight back so that the braking effect comes through your legs, through the handlebars and steering

**TIP:** Lean forward when accelerating and shift your weight backwards when braking.

### **Stopping the e-scooter**

Press the brake lightly to reduce the electricity to the motor and reduce the speed. After starting, place one foot on the ground. Never brake hard or stand on the brake, you may cause the braking mechanism to wear out faster and consequently reduce the comfort of the ride.

### **Automatic shutdown**

When the e-scooter is stopped (speed = 0) and you no longer interfere with the display, the system automatically switches off after three minutes and saves you energy.

# Maintenance of e- scooters

The e-scooter is assembled by professional technicians. Any attempt to disassemble and repair the e-scooter or its parts independently may cause damage to the e-scooter and will void the manufacturer's warranty upon delivery.

## Required tools

Toolkit



Pump

## Maintenance

### Changing tyres

1. Place the e-scooter on an elevated stable surface so that both wheels are in the air and the e-scooter held firmly on the bottom of the footplate.
2. Unscrew both rear plastic.
3. Remove the cables from the motor (on the right side).
4. Loosen the nuts on the motor axle using a wrench 15–18.
5. Note the exact arrangement and location of the pads on each side of the engine. Use professional tools to remove the tyres from the engine, taking care not to damage the engine, rim or tyre.
6. Carefully remove the wheel from the frame.
7. You can rub a drop of liquid soap on the rim to help the tyre slide off the rim.
8. Replace the soul cloak with a new one.
9. Slide the tyre back into place. To make it easier to position the tube, you can again use a drop of liquid soap to wet the rim edges. Do not use any tools when putting the tyre on, work with your own hands only.
10. Continue with the previous steps in reverse order.
11. Make sure your repair is properly completed and inflate the tire to 40–50 psi (2.8–3.4 bar).

## Deleting

Regularly maintain the folding kit and lubricate the moving parts, especially the folding handlebar mechanism, every six months with a small of lubricating oil. Do not use WD40 oil and do not grease the wheels.

## Brakes

The brakes are already set directly from the factory. If the braking distance is insufficient or you find the braking noisy, contact your dealer and purchase replacement brake pads if necessary.

## Solving general problems

If the e-scooter does not work in the normal way, check:

whether the e-scooter is started; the battery capacity status on the display; whether the brake is released; whether all connectors and sockets are clean; whether there is an error message on the display. If the above actions are performed and the product is still not capable of normal operation, please check with your dealer.

## Product parameters

| Product Specifications |                                  |                   |
|------------------------|----------------------------------|-------------------|
| Model                  |                                  | <b>BT350 LITE</b> |
|                        | overall dimensions (max)         | 100 × 56 × 120 cm |
|                        | scooter weight including battery | 16,5 kg           |
| Performance            | engine power                     | 350 W             |
|                        | highest load                     | 120 kg            |
|                        | max. speed*                      | 35—40 km/h        |
|                        | pitch                            | 15°               |
|                        | range*                           | 15—20 km          |
| Battery parameters     | battery type                     | lithium battery   |
|                        | Voltage                          | 36 V              |
|                        | Capacity                         | 10,4 Ah           |
| Charging parameters    | input voltage                    | AC 100~240 V      |
|                        | output voltage                   | 42 V              |
|                        | charging time                    | ~11 hours.        |
| Suspension             | Front                            | Yes               |
|                        | Rear                             | Yes               |
| Tyres                  | tyre size                        | 8"                |
|                        | tyre type front                  | air-filled        |
|                        | tyre type rear                   | full, soulless    |

\*Speed and range depend on rider weight, terrain, number of starts, riding style, tire inflation, battery wear.

## Warranties

If there is a problem with the product, the distributors of the product will provide a product quality guarantee to the extent of full after-sales support. Some components are covered by a limited warranty. The warranty does not cover normal wear and tear.

## Final provisions

If, for the reasons listed below, some components fail to function, the manufacturer shall not be liable and these defects shall not be the subject of a legitimate claim.

- > Use is not in accordance with the instructions.
- > Failure to carry out proper maintenance and protection.
- > Unsafe use of the e-scooter, e.g. for other purposes.
- > Any disassembly or use of non-original spare parts.
- > Using the wrong or non-original spare part.
- > Using a non-original charger.
- > Damage in a traffic accident.
- > Improper or unauthorized use.
- > Natural disasters or other causes caused by force majeure.

This product is intended for recreation and entertainment only, never use it as a regular means of transportation. BlueTouch, s.r.o. continuously updates the appearance of the product, makes changes in the settings of functions and parameters, without further notification of changes. We reserve the right to make these changes.

The importer and manufacturer of this electrical product is BlueTouch, s.r.o.



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## EC Declaration of Conformity

**Manufacturer:** BlueTouch, s.r.o., U Hranic 18, 100 00 Praha 10  
**Name and address of the person authorised to compile the technical file:**  
Ing. Jiří Mihel, U Hranic 18, 100 00 Praha 10 – director

### Description and identification of the machinery:

Electric scooter | **Type:** BT 350 LITE

Electric scooter is used for passenger transport and it is not approved for riding on the roads.

### The machinery fulfils all the relevant provisions of this Directive:

Directive 2006/42/EC – Machinery  
EN ISO 12100:2010, EN 60204-1:2018

Directive 2014/35/EU – Low Voltage  
EN 60335-1:2012 + A11:2014, EN 62233:2008

A reference to the harmonised standards: EN ISO 12100: 2010, EN ISO 14118: 2018, EN 60204-1: 2018, EN 6100-6-3: 2007+A1: 2011+AC: 2012, EN IEC 61000-6-1: 2019 EN IEC 61000-3-2: 2014, EN 61000-3-3: 2013

in Prague, January 31, 2025

*Martin Homola*

**Martin Homola**

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