ITALMOTO
SINCE 1952

TRIONFALE



READY TO ENJOY

DESIGNED BY BIKER FOR BIKERS

MANUAL - USE AND MAINTENANCE


ITALMOTO
50
75
TRIONFALE

An all-
Italian passion since 1952

We have always supported an idea of mobility entirely conceived and produced in-house, in search of the best combination of design, innovation and creativity.

ITALMOTO is a brand of Motocicli Italiani, a company that produces highly technological vehicles and whose goal is to promote sustainable mobility.

Our story begins in **Bologna in 1952,** in the Motor Valley where some of the most important car brands in the world were born.

Today we want to actively contribute to a revolution in urban mobility, reinterpreting our glorious past in a contemporary, green and innovative way.

Our pedal-assisted motorcycles and bicycles export the values of the best **Made in Italy** to the world, in the name of a renewed classicism that looks with great attention to the design and style of **ITAMOTO** vehicles from the 50s and 60s.

TRIONFALE

INFORMATION

Before you start your first ride, please read this instruction manual carefully and familiarize yourself with your e-bike **ITALMOTO**.

For your safety and a longer life of your e-bike, please follow the instructions and warnings in this manual.

Failure to comply with these instructions may result in damage to the e-bike or personal injury.



All information in this publication is based on the latest production information available at the time of approval for printing. The manufacturer reserves the right to make changes at any time without notice and without incurring any bligation.

No part of this publication may be reproduced without written permission. The vehicle shown in this owner's manual may not correspond to the actual vehicle.

DEAR CUSTOMER:

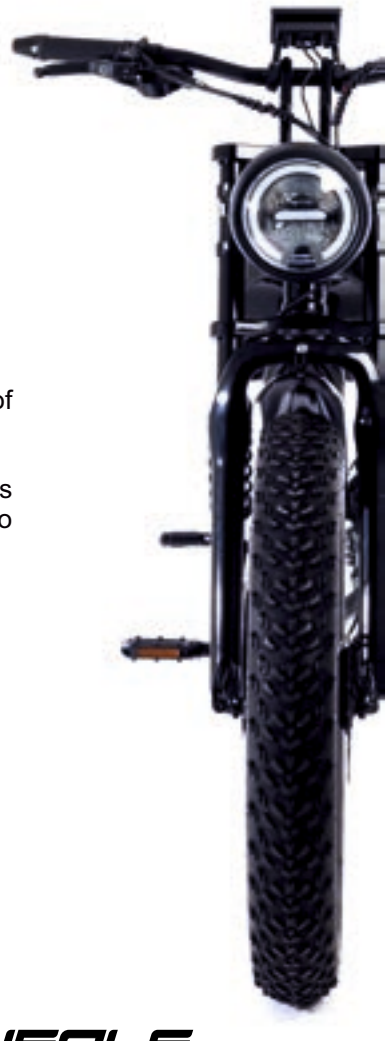
Thank you for purchasing the **Trionfale**, an exclusive product from **ITALMOTO**.
This e-bike is a product made using advanced equipment and made of high-quality components.

This manual provides detailed information on the proper operation, maintenance and adjustment of your e-bike. By following these tips, your e-bike will last longer.

The manufacturer requests your understanding in case of inconsistencies between the contents (images or verbal descriptions) of this manual and the actual conditions of your vehicle due to possible changes in specifications.

Please read this manual carefully to ensure the safety and ease of use of your product.

We hope you enjoy your **Trionfale e-bike**!



PRODUCT INFORMATION

ITALMOTO recommends using original **ITALMOTO** spare parts, conversion parts and accessories that have been specifically approved for your e-bike.

ITALMOTO tests original parts, conversion parts and accessories that have been specifically approved for your e-bike for their reliability, safety and suitability.

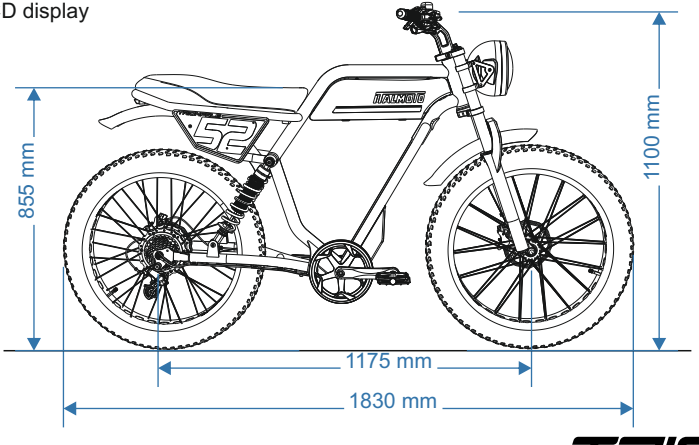
Despite ongoing market research, **ITALMOTO** is unable to evaluate other parts.
Therefore, **ITALMOTO** assumes no responsibility for the use of such parts in **ITALMOTO** Trionfale e-bikes .
This is even if they have been officially or independently approved.
The use of unapproved parts may compromise the safety of your **Trionfale e-bike**.

Original **ITALMOTO** parts, approved conversion parts and accessories are available from **ITALMOTO** dealers.
Here you will receive advice on permitted technical modifications and parts that will be professionally fitted.

TECHNICAL DATA

Power	250W-55Nm / 500W-65Nm / 750W-80Nm
Speed	25 km/h (500W 40km/h / 750W 45km/h)
Speed levels	5 with the possibility of configuring 9 PAS
Battery Builder	LG/Samsung
Characteristics	48V – 20Ah Ioni di Litio
Autonomy	Min 30 Km – Max 80 Km
Charging time	4 h
Duration	1.000 charging cycles
Panel	Color LCD display

Frame material	Aluminum
Wheel size	24” x 4
Brakes	Hydraulically actuated disc brakes
Fork	Shock absorber aluminum alloy
Gears and Transmission	Shimano® 7 speed
Rear swingarm	Made of aluminum alloy with dualsuspension system
Functions	Power regulation, On/Off, battery level, PAS regulation, speedometer and odometer



USER MANUAL

General Notes

Before starting your first ride, please read this Manual carefully and familiarize yourself with your e-bike.
For your safety and a longer life of your e-bike, please follow the instructions and warnings in this manual. Ignoring them may cause damage to the ebike or personal injury.

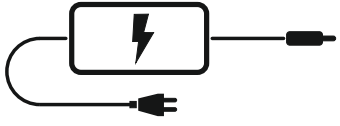
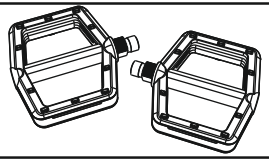
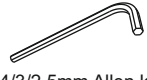
Equipment

This Manual describes all models and all standard and optional equipment available for your e-bike at the time of publication. Country-specific differences may apply. Please note that your e-bike may not be equipped with all of the features described.

This also applies to safety-relevant systems and functions. Therefore, the equipment of your e-bike may differ from that shown in the descriptions and illustrations.
For any questions regarding the equipment and operation, contact an **ITALMOTO** dealer.

THE FOLLOWING ITEMS ARE INCLUDED IN THE E-BIKE DELIVERY:

inside the box

	(EN) ● charger model : C150 - V546 - A30 **(IT)** ● caricatore modello : C150 - V546 - A30 **(ES)** ● cargador modelo: C150 - V546 - A30	
	(EN) ● pedals **(IT)** ● pedali **(ES)** ● pedales	
	(EN) ● starting keys **(IT)** ● chiavi di accensione **(ES)** ● Llaves de ignición	
	(EN) ● tools **(IT)** ● attrezzi **(ES)** ● herramientas	 ● 5/6/4/3/2,5mm Allen key ● brugola da 6/5/4/3/2,5 mm ● llave Allen de 6/5/4/3/2,5 mm  ● 10/15 mm combination wrench ● chiave combinata da 10/15mm ● llave combinada de 10/15 mm

OPERATIONAL SAFETY

■ Important safety note

⚠ ATTENTION

Components can be damaged without it being visible from the surface:

- in case of accidents or falls
- if the bike tips over.

Components damaged in this way may fail unexpectedly, for example:

- The handlebars or seat post may break while riding.
- The brakes or instrumentation/display may not work.

There is a risk of accidents and injuries. In this or similar cases, have the e-bike checked immediately by a qualified workshop.

OPERATIONAL SAFETY

■ Important safety note

⚠ ATTENTION

During use, the mechanical components of the e-bike are subject to heavy loads and wear. The components react differently to these loads and show signs of fatigue or wear at different times. If the service life of a component is exceeded, the component may suddenly fail. There is a risk of accidents and injuries.

- Have your eBike checked regularly by a qualified workshop.
- Look out for any signs of cracks, scratches or discoloration. These signs indicate that the component.
- Has reached the end of its service life.
- Have components that show signs of wear or fatigue replaced by a qualified workshop.

The affected components are:

- Handlebars and stems (risers)
- Saddle and seat post
- Frame and fork
- Tires and rims
- Pedals and cranks
- Brakes
- Chain and gears
- Battery

OPERATIONAL SAFETY

- Important safety note

⚠ ATTENTION

If work on the electronic equipment and its software is performed incorrectly, the equipment may stop working. Electronic systems are connected to each other by interfaces. Even modifications to electronic systems can cause systems that have not been modified to malfunction.
These malfunctions could compromise the operational safety of your e-bike and thus have a considerable effect on your safety. Therefore, all work and modifications to electronic components should be carried out at a qualified workshop.

Do not make any modifications or perform any work, such as drilling, casting or welding, on the frame or other load-bearing components. Doing so may impair the stability and durability of the components. If you remove warning stickers, you or others may not be aware of the potential dangers.

Leave the warning stickers in place. Rotating parts, such as wheels, chain, cranks or pedals, could trap and pull parts of the body or clothing. Make sure that neither clothing nor objects carried are caught in rotating parts.

Wear tight clothing. Never wear a long scarf when riding your e-bike.

OPERATIONAL SAFETY

- Important safety note

⚠ ATTENTION

After braking, especially after a long downhill stretch, brake discs, hub bearings or axle nuts may be very hot.

Wait until these components have cooled before touching them.

Do not ride without a battery or display. If the battery or display is not fitted, the lighting system will not work. Riding without a functioning lighting system is not permitted, depending on national regulations.

Please observe the respective applicable law in your country for pedal-assisted bicycles (Pedelecs) regarding the following points:

- Maximum assistance speed and power delivered by the electric motor.
- Equipment required for riding on public roads.
- Obligation to have a driving license.
- Minimum age of the cyclist.
- Obligation to wear a helmet.
- Regulations for the use of cycle paths.

OPERATIONAL SAFETY

- Important safety note

⚠ ATTENTION

The **ITALMOTO** e-bike is designed to be driven on paved roads and lanes, paved forest and country roads. The tires must not lose contact with the ground during this operation.

The e-bike is not designed to be ridden over obstacles, such as curbs or manholes.

The e-bike is not suitable for competitions.

The e-bike together with the rider, accessories and luggage can have a permissible gross weight of 140 kg (308.6 lbs). Never exceed the permissible gross weight.

The e-bike is not approved for towing a trailer.

OPERATIONAL SAFETY

■ Important safety note

⚠ ATTENTION

QUALIFIED SPECIALIZED WORKSHOP

A qualified workshop has the necessary skills, tools and special qualifications to properly perform any necessary work on your e-bike. This applies in particular to safety-relevant work. Always have the following work carried out on your e-bike at a qualified workshop:

- Safety-relevant work
- Service and maintenance work
- Repair work
- Modifications, installations and conversions
- Working on electronic components
- Working on the drive system

ITALMOTO recommends using a qualified dealer to carry out work on its range of e-bikes.

Correct use
Follow the information and safety notes in this manual when using the e-bike.
Also, always drive informed about the traffic regulations of the country where you are driving. The configuration of your e-bike may vary depending on the country in which you purchased it. Using the e-bike in other countries may therefore violate local laws.
If necessary, have the ebike configuration adjusted for the respective country.

OPERATIONAL SAFETY

- Important safety note

⚠ ATTENTION

It is not permitted to ride with a trailer or a bike in tow or tow another bike using a bicycle hitch system. Always ensure that your **ITALMOTO** e-bike is used for the purposes for which it was designed. If the **ITALMOTO** e-bike is used in ways for which it was not designed, it may cause damage to the mounted components. This may then cause accidents and injuries. The **ITALMOTO** e-bike is not intended for people with limited physical, sensory or mental capabilities. The e-bike is not suitable for children under 14 years of age.

OPERATIONAL SAFETY

- Important safety note

⚠ ATTENTION

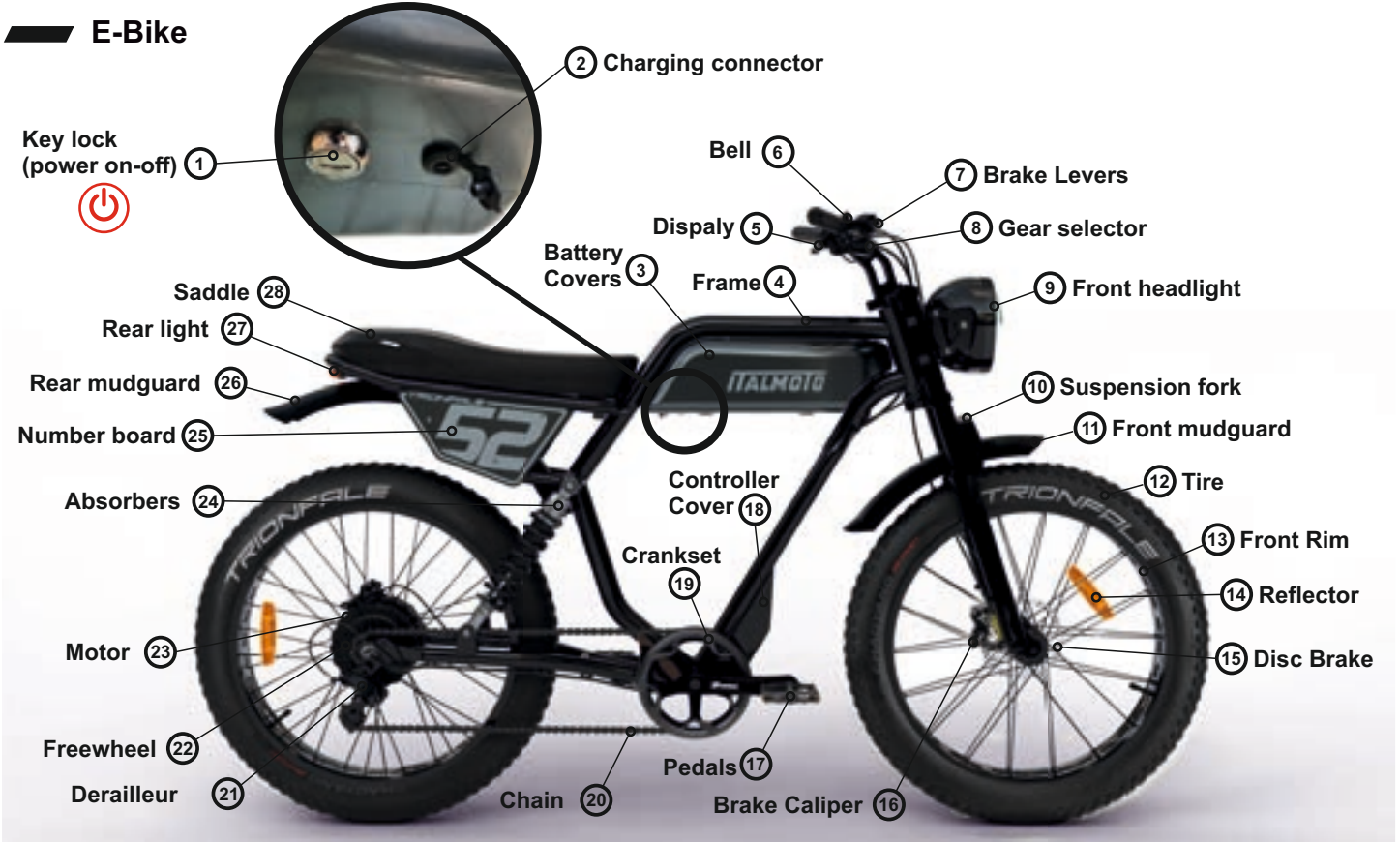
It is not permitted to take the battery of your ITALMOTO e-bike on a passenger plane.

It is not permitted to transport the e-bike with the battery mounted on a rear-mounted bicycle rack or on a luggage rack. Remove the battery before transport.

Before transporting, also remove any loose components, such as any smartphone holders, panniers or water bottles.

ITALMOTO SINCE 1952

E-Bike



TRIONFALE

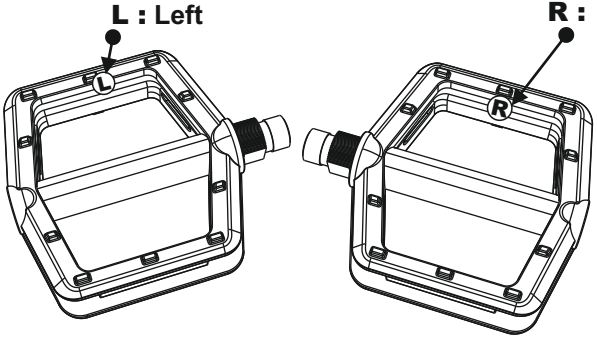
ASSEMBLY

■ PEDALS

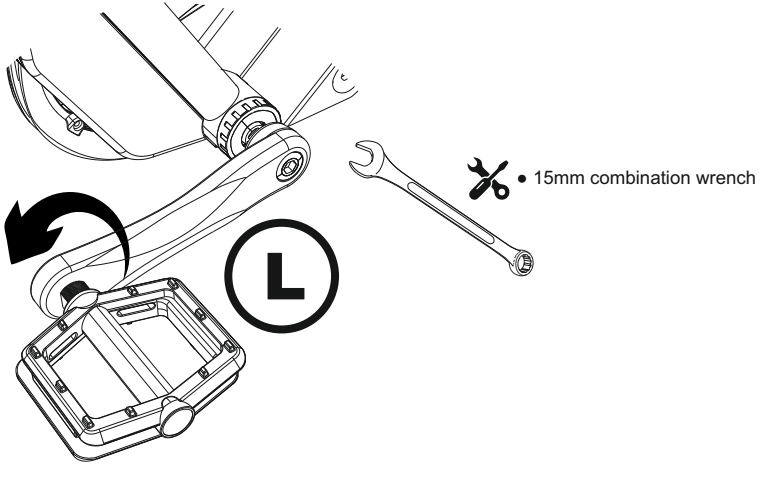
Important note

- Pay attention to the letter indicated under the pedal.

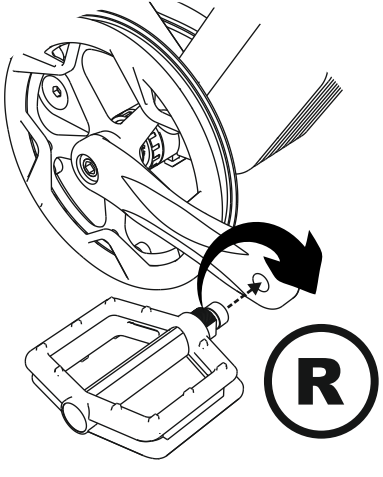
The **TRIONFALE** arrives fully assembled, with the exception of the PEDALS which are supplied in the courtesy box included in the e-bike packaging.



(L) screw counterclockwise



(R) screw clockwise



ASSEMBLY

■ HANDLEBAR

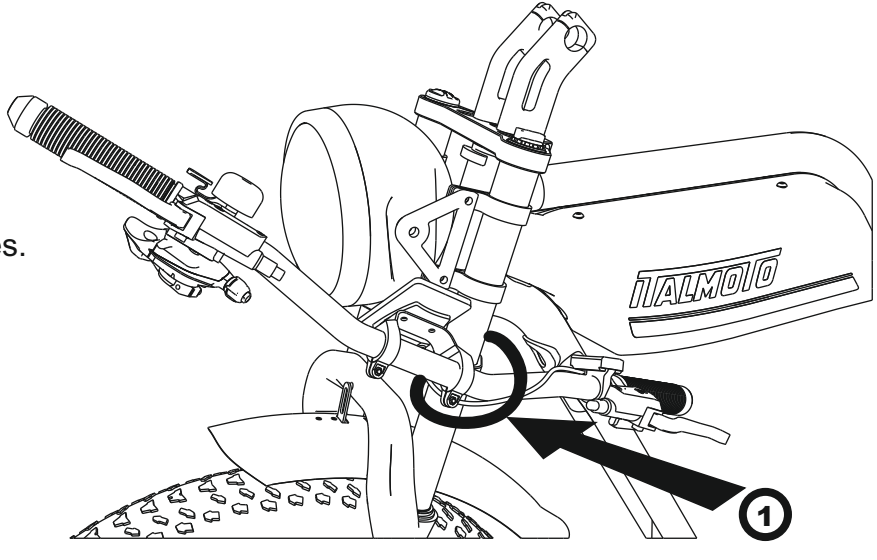
The handlebar which is already wired and packaged in the **TRIONFALE** packaging must be assembled by carefully following the illustrations shown in this manual.

STEP 01- Carefully cut the cable ties that hold the handlebars to the fork.



1 step

- Carefully cut the cable ties.

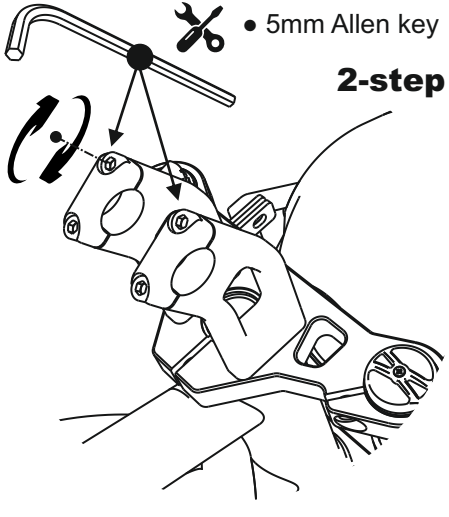


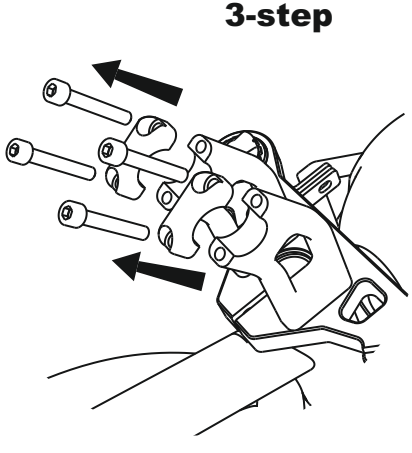
ASSEMBLY

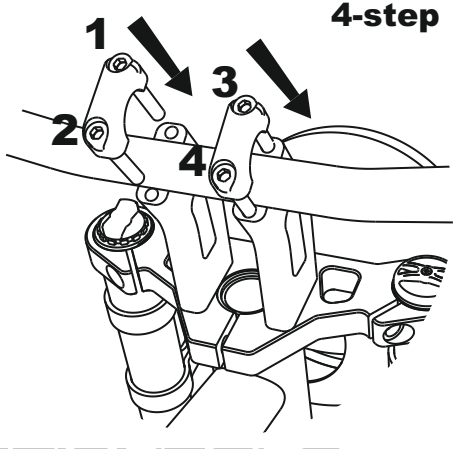
■ HANDLEBAR

The handlebar which is already wired and packaged in the TRIONFALE packaging must be assembled by carefully following the illustrations shown in this manual.

STEP -2-3-4. Position the handlebar in the center of the steering plate on the dedicated riser seats. Once positioned, proceed with closing the risers with the counterpart of the upper stops. Tighten well only after having also adjusted the inclination of the transverse axis of the handlebar to your liking. Tighten the four Allen screws well.







INSPECT BEFORE STARTING A TRIP

■ Useful information

This User Manual describes all standard and optional equipment available for your e-bike at the time of publication of the Manual. Country-specific differences are possible. Please note that your e-bike may not be equipped with all of the features described. This also applies to safety-relevant systems and functions.

Safety-relevant equipment.
The lighting system does not work when you ride your e-bike without the display or battery. ITALMOTO recommends always riding with the lights on, even during the day.

The T**RIONFALE** e-bike is equipped with a lighting system with the active and passive components necessary for use on public roads.

A bell on the handlebars completes the equipment.
The lighting system includes the following components:

- front and rear lights
- reflectors on the wheel spokes
- yellow reflectors on the pedals

Check your safety equipment regularly and have it repaired at a qualified workshop if necessary.

Suitable equipment
Depending on the country in which you use your Nilox e-bike, you may be required to wear a helmet.
Regardless of any helmet law, **ITALMOTO** recommends always wearing a suitable helmet and eyewear.

INSPECT BEFORE STARTING A TRIP

■ Useful information

ITALMOTO also recommends wearing bright, eye-catching clothing suitable for cycling and shoes suitable for bicycle pedals.
When driving in traffic, always be alert and observe traffic rules and regulations to avoid endangering yourself and others.

⚠ ATTENTION

If installed crookedly, the valves may break while the e-bike is running. If this happens, the tire will suddenly lose pressure.

There is a risk of an accident.

Check valve seat. Valves should extend from rim at right angles.
Correct the position of any incorrectly positioned valves immediately.

Before each ride, check the following:

- Damage to tires and wheels or foreign objects lodged in tires. Damaged wheels can cause a loss of pressure and cause further damage.
- tire tread depth.
- that both wheels are free and can rotate fully. Off-center wheels can be an indication of blown tires, broken axles, or torn spokes. Also check for rattling noises and the integrity of bearings and lug nuts.

INSPECT BEFORE STARTING A TRIP

■ Useful information

⚠ ATTENTION

Chain check

Improperly secured chain sprockets and safety guards can come loose while the e-bike is in use. Improperly aligned chain can come off the cassette while the e-bike is in use.
There is a risk of accidents and injuries.

Before each ride, check that the chain is correctly aligned and tensioned and that the sprockets are securely fastened.

- Also check that the anti-slip guard is installed correctly to prevent the chain from jumping or slipping.

Always follow all instructions for handling the chain, especially whenever the rear wheel is removed or fitted. Special care is required in these cases to avoid damage to the chain.

Battery lock check

Before each outing, make sure that the locking cylinder on the battery lock is engaged.
If the battery is not held by the closed lock, it may fall out while driving.

INSPECT BEFORE STARTING A TRIP

■ Useful information

⚠ ATTENTION

Check the operation of the braking system.

Before each ride, perform a brake test. To do this, pull the brake levers toward the handlebars using two fingers and normal braking force.
The brake lever must not come into contact with the handlebars. There must be a gap between the brake lever and the handle, even when maximum hand force is applied.

Checking the brake system for wear.

⚠ ATTENTION

After braking, especially during long rides, the brakes and tires, as well as quick release links and axle nuts, can become extremely hot. There is a risk of injury.

Wait until these components have cooled before touching them.

Check the brake pads for wear before each ride.
Perform a visual inspection of the brake pads:

- They must not show signs of scoring or breaking.
- They must be free of oil and dirt.
- All bolts must be present and firmly in place. Make sure the brake cables are not kinked.
- Check the tightness of the brake cables.

INSPECT BEFORE STARTING A TRIP

■ Useful information

⚠ ATTENTION

Checking bolted connections

Before each ride, check to ensure that the bolted connections listed below are securely tightened:

- Check that the front and rear wheels are correctly assembled. All bolted connections must be securely tightened. Alternating pushing and pulling on the rear wheel must not cause it to move sideways.
- Check the brake levers and their clamps on the handlebars. It should not be possible to rotate them or move them from their position.
- Check that the screws on the «riser handlebar supports» are firmly tightened to prevent the handlebars from rotating. On its own axis (see page 16).

INSPECT BEFORE STARTING A TRIP

■ Useful information

⚠ ATTENTION

Adjusting the brake levers

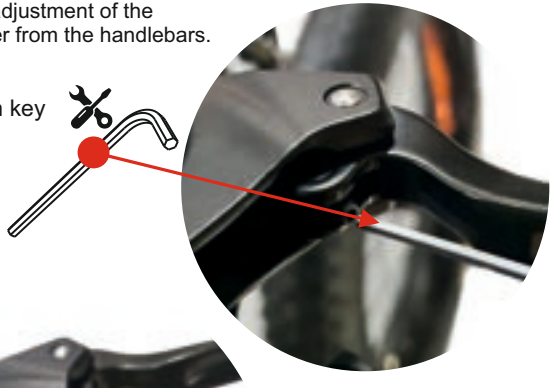
The brake levers are made of aluminium alloy and adjustable, the braking system supplied with the **TRIONFALE** is hydraulic.

The 180mm front and rear disc brakes allow for efficient braking on all surfaces.
During braking, the electrical part of the engine is automatically deactivated.
The brake levers can be adjusted to match the ideal position for each rider's needs.

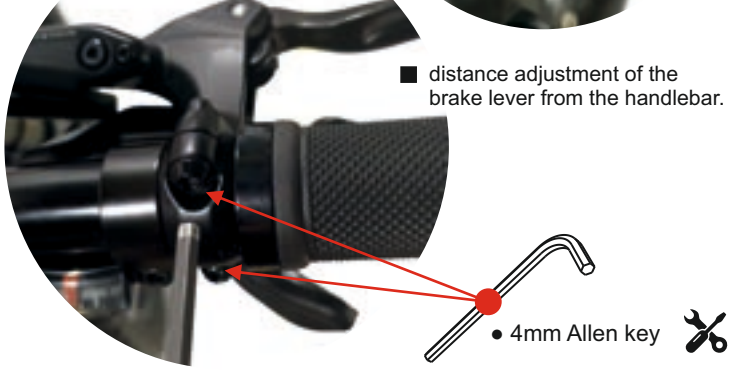
The correct adjustment we suggest is the following: the fingers, when extended, should rest comfortably on the levers. If the levers feel natural and sudden, the brake levers are set correctly. Your wrist should be in line with your forearm and your fingers should rest on the brake master cylinder levers.

■ distance adjustment of the brake lever from the handlebars.

• 2mm Allen key



■ distance adjustment of the brake lever from the handlebar.



• 4mm Allen key

INSPECT BEFORE STARTING A TRIP

■ Useful information

⚠ ATTENTION

Transmission system

The rear wheel is equipped with a 7-speed Shimano derailleur.
Its use is identical to the use of the gear shifter on a traditional bicycle and is controlled by the classic lever located on the right side of the handlebars.
Just like a traditional gearbox, it must be used with the ebike in motion.

■ Tilt adjustment on the handlebars of the gear selector group.



• 5mm Allen key

DRIVING TIPS

Useful information

This Manual describes all models and all standard and optional equipment available for your e-bike at the time of publication.

Country-specific differences are possible. Please note that your e-bike may not be equipped with all of the features described. This also appliesto safety-relevant systems and functions.

⚠ ATTENTION

Driving with electric assistance

If the pedal assist is activated on smooth or slippery road surfaces, the rear wheel may slip and lose traction when accelerating. There is a risk of an accident. Always deactivate the pedal assist on smooth or slippery road surfaces. The Nilox e-bike assists you only when you apply force to the pedals. When you stop pedaling, the electric motor switches off. The pedal assist will also switch off if you exceed the maximum speed of the power assistance (varies by country). The power of the motor depends on the level of assistance selected.

The higher the level of assistance, the less effort you will need to put in to maintain a specific speed.

DRIVING TIPS

Energy-saving driving style

Your **ITALMOTO** e-bike assists you with an electric motor integrated into the rear wheel.
The autonomy of the **ITALMOTO** e-bike with a fully charged battery depends on the following factors:

- the physical performance of the cyclist
- the selected level of assistance
- the selected gear
- the gross weight of the e-bike, the cyclist and the load
- tire pressure
- the road surface
- the topography
- the temperature
- the wind conditions
- the nature of the use with frequent starts or stretches at a regular pace.

DRIVING TIPS

Energy-saving driving style

To achieve the maximum possible range, observe the following recommendations:

- Select the lowest level of assistance possible based on your needs.
- Select a low gear on an uphill slope and a high gear on flat or rolling terrain descent.
- do not carry unnecessary weight.

⚠ ATTENTION

Note on disc brakes

On wet roads:
- the friction force between the tires and the road is reduced.
- Water between the brake pads and discs reduces the effect of the braking system.

There is a risk of an accident.
- On wet roads, brake earlier to compensate for the longer braking distance.
- On wet roads, brake more carefully to avoid locking the wheels.

DRIVING TIPS

⚠ ATTENTION

When braking sharply with the front brake, the rear wheel may lift.
You could be thrown over the handlebars when braking. There is a risk of an accident.

- Brake the e-bike with the front and rear brakes simultaneously.
- Shift your body's center of gravity rearward when braking sharply.

The **TRIONFALE** is equipped with brakes that will bring you to a quick and safe stop if necessary. Hydraulic disc brakes respond more quickly than traditional mechanical disc brakes, especially on wet roads.

To distribute the braking force on both wheels, use both brakes at the same time. The pedal assistance of the electric motor is interrupted by braking sensors located directly on the brake levers (or by stopping pedaling).

If you are not yet familiar with the braking effect of your e-bike, first carry out a few test braking maneuvers on high-grip surfaces away from traffic.

Avoid continuous braking. On long downhill stretches, brake briefly but with both brakes. When you release the brakes intermittently, they can cool down again.

CHARGE THE BATTERY

■ **Important safety information**

⚠ ATTENTION

Zero discharge of the battery may cause an internal short circuit. The battery will heat up to an extremely high temperature. There is a risk of fire.

- Avoid completely discharging the battery during use and storage.
- When not in use, fully charge the battery at regular intervals and at least every 6 months.
- .Do not transport a completely discharged battery on your e-bike.
- Use only the specific **ITALMOTO** battery.
- Do not expose the battery to storage temperatures below -10°C (14°F) or above 45°C (113°F). Please note that temperatures above 45°C (113°F) may occur near radiators, in direct sunlight, or in the interior of the vehicle carrying it.
- Do not use the charger in humid places or with ambient temperatures below -10°C (14°F) or above 40°C (104°F).
- Do not immerse the battery in water.
- The battery and charger are not intended to be repaired. Do not attempt to disassemble or modify the battery or charger. Do not subject the battery to high pressure. Do not subject the battery to heavy loads. A battery with a damaged casing cannot be used.
- Keep the battery out of reach of children.
- If, while the battery is in use, or while charging, you notice that it becomes hot or develops a strong odor, alter the appearance or behaves abnormally in any way, discontinue use of it immediately.
- Make sure there are no combustible materials near the battery when charging.
- When charging, place the charger and battery on a non-flammable surface.
- If you charge the battery while it is still installed on the e-bike, position the bike so that fire cannot reach it to spread.

CHARGE THE BATTERY

■ **Important safety information**

⚠ DANGER

High voltage is used to charge the battery. You may receive an electric shock if the power cord or the power outlet is damaged, wet or dirty. There is a risk of fatal injury.

- Use only the supplied charger to charge the battery.
- Use only a dry charger.
- Use only an undamaged power cord and charger. Replace a damaged power cord immediately damaged power supply and charger.
- Before connecting the charger cable, remove any foreign objects, such as dirt, ice or snow, from the charging socket

⚠ ATTENTION

Using a charger other than the one provided may cause the battery to overheat. There is a risk of explosion.
Use only the supplied charger to charge the battery.

CHARGE THE BATTERY

■ **Important safety information**

⚠ ATTENTION

- Do not charge the battery on carpeted floors.
- Do not cover the battery and charger while charging.

Notes on the charger

The supplied charger is suitable for a voltage range of 240 V.
The charger does not have an on/off switch. If you do not need the charger, unplug it to save energy.

Notes on the battery
A zero discharge of the battery causes irreversible damage and loss of capacity. If the battery is not used for longer periods, fully charge it at regular intervals and at least every 6 months.

Please follow the instructions below to ensure long battery life:

- Ideally, charge the battery at an ambient temperature of 20°C (68°F). Before charging, allow the battery sufficient time to reach this temperature.

- Avoid frequent full discharges. The battery prefers partial discharges. Lithium-ion batteries have no effect memory.

- Short discharges with subsequent recharges may cause an inconsistency between the charge indicator and the battery charge level. After approximately 30 charges, allow the battery to discharge completely and then recharge. This will allow the charge indicator to be periodically calibrated to the battery charge level.

CHARGE THE BATTERY

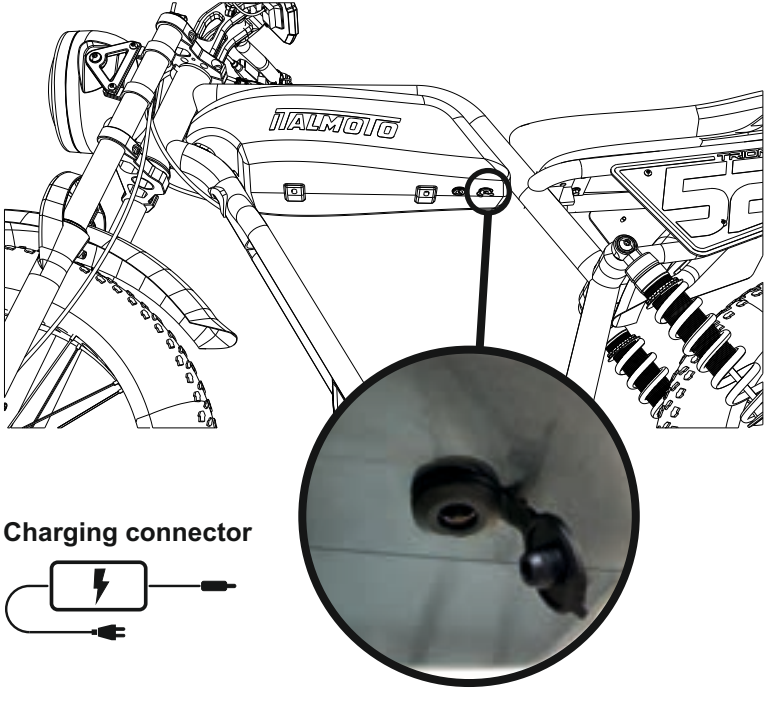
■ **Important safety information**

Connecting the charger.

Connect the charger to the battery charging port (2) using the bottom hole in the frame. Connect the charger's power plug to an outlet.

The LED on the charger will light up in different colors depending on the current charge level. The LED will be red when charging and green when the battery is fully charged.
To find out the battery charge level, check the charge indicator on the display.

First disconnect the battery cable connector and unplug the mains plug from the socket.



Charging connector

CHAIN

■ **Important safety information**

⚠ ATTENTION

If you install or handle the chain incorrectly, e.g. bend or twist it, you may cause damage that is not visible from the outside. This type of chain damage can cause the chain to snap unexpectedly, causing you to slip off the pedals. There is a risk of accidents and injuries.

- Handle the chain with great care and follow the instructions for use.
- Have a damaged chain replaced immediately by a qualified workshop.

When handling the chain, avoid:
- bending it in any direction
- twisting it
- turning it upside down
- performing a reverse bending
- tying or securing it with cable ties or ropes
- using it as a tool
- fitting the chain by applying tension with a lever or by turning the pedal

Never use a damaged chain.

TIRES AND WHEELS

■ **Important safety information**

⚠ ATTENTION

Tires make contact with the road surface. They provide grip and traction and, depending on the tire pressure, absorb small bumps or improve the e-bike's rolling on the road.
Although your e-bike wheels are made with great care and delivered already centered and with a comfortable setting, this does not prevent the spokes from losing tension in the first few kilometers. For this reason, you should regularly check the spoke tension and have them re-centered by an **ITALMOTO** dealer or technician.

If the tire pressure drops repeatedly, check for foreign objects on the tires. Check for leaks in the inner tube or valve. If the tire pressure is too low, the handling characteristics of the e-bike may be affected and cause a fall. There is a risk of an accident.

- Always replace a damaged inner tube.
- Before fitting a new inner tube, remove all foreign objects from inside the tire.

Check your tire pressure regularly, at least every 14 days.
Correct tire pressure only when the tires are cold. Warm tires always have higher pressures than cold tires.

TIRES AND WHEELS

■ Important safety information

Tire pressure changes b y a pproximately 10 kPa (0.1 bar, 1.45 psi) for every 10°C (50°F) change i n ambient temperature. I f y ou measure tire pressure indoors where the temperature is different from the outside temperature, you will need to correct the value.

When using an e-bike, the temperature of the tire, and with it the pressure, will increase depending on the speed and the load on the tires.
Always check the tire pressure with suitable measuring equipment, e.g. a pump with pressure gauge.
Since your e-bike tires are equipped with robust puncture protection, you cannot check the pressure by simply pressing the tire with your thumb.
Tire pressure specifications can be found in the "Technical Data" section.

MAINTENANCE AND CARE

■ Cleaning and care

⚠ ATTENTION

Please dispose of empty packaging and cleaning cloths in an environmentally friendly manner.
The value of your e-bike will be maintained by regular and proper care. The best protection from harmful environmental influences is regular cleaning and storage.
ITALMOTO recommends carrying out a protective treatment on the paintwork twice a year (e.g. in spring and autumn).

- Use as little water as possible and keep it away from electrical contacts.
- Cover the electrical contacts in the battery frame with the rubber cap.
- Clean the e-bike with a soft sponge or brush.
- Clean the battery cases and all ABS parts with a damp cloth.
- After cleaning, check the electrical connectors and let the e-bike dry before using it.

MAINTENANCE AND CARE

■ Periodic works

ITALMOTO recommends having your **Trionfale** serviced once a year at a qualified workshop.

Before every journey
• Check tires and wheels • Check the chain • Check the battery lock • Inspect the operation of the braking system • Check bolt and screw connections

Every 300-500 Km (186 - 310 miles)
• Check chain wear and correct tension/routing • Remove dirt from the chain and derailleur • Check that all bolt and screw connections are securely fastened • Check the wear condition of the brake pads

MAINTENANCE AND CARE

■ **Periodic works**

Every 3000 Km (1864 miles)

Check the following components and replace if necessary:
- steering series
- wheel hubs
- pedals
- chain
- gear cable

Every year

- Check the torques of all screw and bolt connections.
- Check the tightness of the gearbox, steering series and brakes
- Check chain tension and wear
- Check tires and wheels
- Check the wear of parts subject to heavy stress

The work must be carried out by a qualified specialist

TROUBLESHOOTING

■ Display / Error Codes

Problem	Possible causes
The system does not turn on, the display remains dark.	• The battery has little or no charge remaining, charge if necessary. • The battery connector is not inserted correctly, check whether the male and female connector are firmly seated and have no play between the parts. If the problem persists despite taking these measures: have the electrical system checked by a qualified specialist workshop.

TROUBLESHOOTING

■ Lighting system

Problem	Possible causes / consequences and solutions
The lighting system is not working.	• The battery has little or no charge remaining, charge if necessary. • The power connector of the lights is not inserted correctly, check whether the male and female connector are firmly seated and have no play between the parts. • Check the connections of the entire electrical system. If the problem persists: have the electrical system checked by a workshop.

TROUBLESHOOTING

■ **Battery**

Problem	Possible causes / consequences and solutions
The charge indicator on the display does not show that the battery is "full" even though a full battery charge has been performed.	• The battery has been affected by the ambient temperature. The battery heats up during the charging process. • Allow the battery to cool and repeat the charging process. • Follow the instructions to charge the battery.
The charge indicator on the display does not reliably show the charge level.	• .Due to frequent and short charging and discharging of the battery, it is not possible to calibrate the synchronization between the charging indicator and the actual battery charge level. • Perform a full discharge after approximately 30 charge cycles. This will calibrate the charge indicator to the battery charge level. Battery life will not be affected.

TROUBLESHOOTING

■ Braking system

Problem	Possible causes / consequences and solutions
Poor braking performance.	• Brake fluid level too low. Check brake fluid (mineral-oil) levels in the circuit. • Air in the brake circuit. Have the circuit bled by an authorised workshop. • Excessive wear of the brake pads. They can prolong braking and increase the risk of accidents. • Excessive wear and thinning of the disc thickness. • Check the brake disc and pads for dirt and oil. Clean with specific disk cleaning products. Have the brake hydraulic system checked by a qualified and authorised **ITALMOTO** workshop.
While driving, the brake makes a squeaking or metallic noise.	• The caliper is not perfectly aligned with the disc. Have the positioning corrected only by an authorised workshop. • Presence of dirt on the disc. Clean with a cloth and specific products for brake discs. • Water on the disc and brake pads. Brake several times and repeatedly to clean the track on the disc where the brake pads adhere when braking. • Check that the wheel is correctly fitted to the front fork axle and the rear triangle dropouts.

TROUBLESHOOTING

■ **Drive system / electric motor**

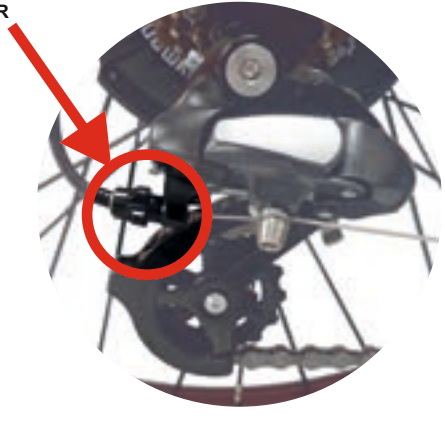
Problem	Possible causes / consequences and solutions
The system can be turned on but the electric motor does not provide any assistance.	• The electrical connections on the handlebars or near the engine are not inserted correctly or have accidentally come loose or are not perfectly connected. • Make sure all connectors are connected and firmly connected to each other. • .Check the integrity of the electrical system and the integrity of the group • controller/control unit. If the problem persists despite taking these measures: Have the electrical system and engine checked by a qualified and authorised **ITALMOTO** workshop.

TROUBLESHOOTING

■ **Rear derailleur / gear shifter**

Problem	Possible causes / consequences and solutions
Difficulty shifting into gear. The transmission shifts from one gear to another on its own initiative.	• There is a tension problem in the shift cable. Reduce or increase the tension of the cable that regulates the shift with the gear located on the back of the derailleur. If the problem persists, go to a qualified and authorised **ITALMOTO** workshop.

REGULATION GEAR



INCREASE THE TENSION, IN A SENSE COUNTERCLOCKWISE TO DECREASE VOLTAGE ROTATE CLOCKWISE TO OF THE CABLE THAT REGULATES THE GEAR.



TIRES AND WHEELS

■ Tires

Approved tyres have been specially designed for the TRIONFALE. The use of any other type of tyre may result in increased rolling resistance and, consequently, reduced grip. Furthermore, handling and noise characteristics may be negatively affected. Therefore, when replacing tyres, make sure that the new tyres are of the same type and size with a suitable tread. If in doubt, contact your nearest ITALMOTO dealer. Observe the direction of rotation when fitting a tyre. An arrow on the tyre sidewall indicates the direction of rotation.

More information about tires and wheels can be found in the "Operation" section.

Front and rear wheel
- Size in inches : 24" x 4.0"
- Pressure: ranges from a minimum of 0.8 to a maximum of 2.1 bar

Tire pressure
The indicated empty weight refers to the standard scope of delivery. Accessories and optional equipment increase the empty weight and reduce the maximum payload.

DISPLAY

■ **Model BC550**



INTRODUCTIONS TO FUNCTIONS

■ Standard functions

- Real-time speed, maximum speed, average speed.
- Real-time motor power.
- Battery capacity.
- «Pass» assistance level.
- Total mileage, Trip mileage.
- Travel time.
- Calorie consumption.
- Light indicator.
- Choice of unit of measurement in meters (Km/h) in miles (mph).
- Reporting of error codes.
- Light adjustment, display brightness adjustment, Automatic activation of the parking light.
- Setting the display to automatically turn off.
- USB charging port (5V/1A)

■ Bluetooth version

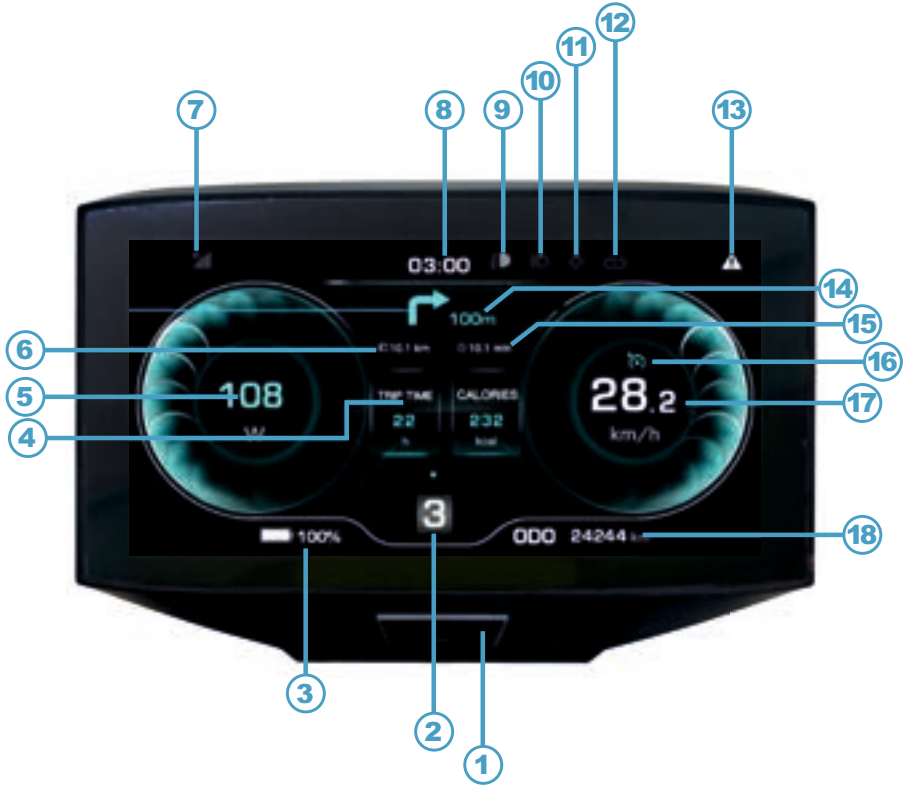
- Connect to the App.
- Data sync.
- Riding rank.
- Riding track recording
- Ridign navigation.

■ IOT

- .Real-time location.

INTERFACE AND FUNCTIONS

1 - Display power button (ON/OFF)
2 - Engine assistance indicator (Pass)
3 - Battery consumption level
4 - Travel time
5 - Real-time engine power
6 - Distance to arrival
7 - 4G connection signal
8 - Clock
9 - Low beam light
10 - Depth light
11 - Position light
12 - Bluetooth connection signal
13 - System anomaly
14 - Distance to turning point
15 - Estimated time to arrival
16 - Cruise control
17 - Speedometer (real time speed Km/h))



INTERFACE AND FUNCTIONS CONTROLLER COMMANDS

1 - **Data menu button**
- Navigate through the data functions on the display: average speed, maximum speed, travel time and calories, kilometres travelled and total kilometres.
- Confirmation button.

2 - **Right arrow** (on/off) Position Light
- hold down for 3" seconds activates the front and rear side lights

3 - **Button (-)** menu down button.
- Decreases the level of engine assistance Pass

- 4 - **Left arrow** (on/off)

5 - **Low beam light**

6 - **Depth light**

7 - **Button (+)** menu up button.
- Increases the level of engine assistance Pass



Function menu and interface

■ Access the main menu

1 - When the speed is at 0, press and hold the «left arrow» button (4) for two seconds to access the main functions menu. With the buttons (+ and -) you can scroll through the individual pages of the menu.
With the central button «1 » you confirm your choice.



■ Clear Trip

Trip mileage, trip time, maximum speed, average speed, calorie consumption.
Trip Reset
Confirm your choice by pressing the central button «1».

Function menu and interface

■ Switch Display Unit

Display unit of speed and mileage can be switched and there is metric and imperial available.

Confirm your choice by pressing the central button «1 ».



Function menu and interface

■ Backlight Brightness Setting

Screen brightness can be adjusted and adjustmentrange is 1-5 and Auto. The 5th level is the brightestand theauto willadjust the screen brightness automatically according to the ambient light.

To change the parameters and to confirm your choices, select the central button «1 »



Function menu and interface

■ Auto Power Off time

The automatic switch-off function occurs when you set a value in minutes ranging from 1 to 60 minutes using the (+ and -) buttons. The function is deactivated when you select OFF.

To confirm your choices, select the central button «1 ⊡ »



Function menu and interface

■ Auto Headlight

It is possible to set the lights to turn on automatically.

Using the (+ and -) keys, select the ON mode to activate the lights independently according to the ambient light conditions. In OFF mode, the lights will be activated exclusively by the user using the display controller keys.



Function menu and interface

■ Speed Limit

The maximum speed of the vehicle can be adjusted; For your safety, please do not exceed the speed limit stipulated by local regulations.

To confirm your choices, select the central button «1 ◻ »



Function menu and interface

■ Set time

The display time can be set. Default modified option is Hour after entering the setting.Setting order is hour-minute.

To change the parameters and to confirm your choices, select the central button «1 ◻ »



Function menu and interface

■ System Version Info

You can view the latest update version installed on the Display.



Function menu and interface

■ Bluetooth App Connection

It is possible to pair the display with the «Bikewise Pro» App which can be downloaded via your Device on the Apple Store and Play Store platforms.

Here is the icon that distinguishes the dedicated app.

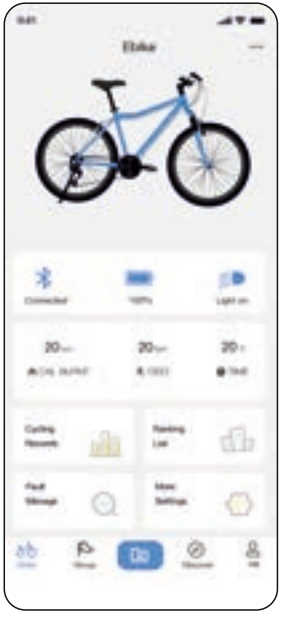


Function menu and interface

■ Bluetooth App Connection

Download the dedicated «Bikewise Pro» App.
Pair your Device by framing the QR Code in the center of your e-bike display. This will start the synchronization with your e-bike and all its localization functions and information reports.

Here is the icon that distinguishes the dedicated app.



Bikewise PRO

Function menu and interface

■ Specifiche del Display Trionfale ITALMOTO

Product Model	BC 550
Screen Size	5.5" Color TFT
Screen Resolution	480x960 px
Wireless Transmission Protocol	Bluetooth 5.0
GPS	Multi Satellite (GPS, Glonass, BeiDou, QZSS)
4G	CAT M
USB	Type - A 5V/1A

Water Resistance	IP 66
Voltage Imput	48V
Typical Consumption	36V power supply Voltage Input Backlight brightness 1. 60.0mA, total power 0.29W Backlight brightness 2. 66.0mA, total power 0.36W Backlight brightness 3. 71.0mA, total power 0.43W Backlight brightness 4. 78.0mA, total power 0.50W Backlight brightness 5. 85.0mA, total power 0.58W
Storage Temperature	-30~+80 **°C**
Storage Humidity	0~70%RH
Shell Material	PC

Function menu and interface

■ Common error code

Error code	Meaning	Error code	Meaning
E10	Overvoltage protection	E14	Controller voltage fault
E11	Low-Voltage Protection	E15	Abnormal assist fault
E21	Controller power tube is damaged or overcurrent fault	E16	MCU self-test fault
E12	Stalled rotor protection	E17	Speed protection
E24	Motor Hall fault	E18	Pedal sensor fault
E23	Motor phase line fault	E19	Speed sensor fault
E22	The throttle voltage is too high	E25	Brake Fault
E13	Controller/motor over-temperature protection	E30	Display Communication Fault

Attention useful information for the care and maintenance of your e-bike

1. In case of extraordinary maintenance of the display, be sure to turn off the power of the e-bike before installing or removing the display, otherwise it may cause permanent damage to the device;

2. When fixing the display to the e-bike, please make sure the tightening torque of the mount screws is about 0.5Nm (DO NOT EXCEED 0.6Nm), excessive torque will cause damage to the display structure;

3. Do not immerse the display in water;

4. The display can be cleaned with a soft damp cloth, but DO NOT use chemical liquids or detergents;

5. Do not use the USB charging function when riding in the rain, and ensure that the USB socket is always closed when not in use.

6. Comply with local laws and regulations for the possible disposal of your e-bike and any of its parts, we encourage disposal or recycling in an environmentally friendly manner and do not dispose of the display or any electronic accessories such as battery, control unit, motor, etc. as household waste;

7. Damage and failure of the display and any electronic and mechanical parts caused by improper installation or use are not covered by the after-sales warranty;


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