EBX OWNER'S MANUAL

Please read and understand this manual fully before use.
Note: The manual illustrations are for demonstration purposes only.
Illustrations may not reflect the exact appearance of the product.
Specification subject to change without notice.

INTENDED FOR OFF-ROAD USE ON
PRIVATE PROPERTY OR DESIGNATED AREAS ONLY.
DO NOT OPERATE THIS VEHICLE IF
YOU ARE UNDER THE AGE OF 13,

WARNING

Important Safety Notice. PLEASE READ

DO NOT charge in residential buildings/garages.

DO NOT leave unattended during charging.

Only use the approved EBOX charger.

Only charge with an AC circuit that has surge protection.

Maintenance charge once every month (when there are periods of inactivity, keep topped up to 80% - set a reminder in your phone).

Refer to the user manual when charging/storing in extreme temperatures.

If you are unsure when your battery was last charged, speak to an authorised EBOX dealer and have it inspected / replaced. It's your responsibility to ensure your battery stays in good health.

Failure to follow these instructions could potentially lead to serious battery failure or fire.

INTRODUCTION

Thank you for purchasing an EBOX.

The proper care and maintenance that your vehicle requires is outlined in this manual. Following these instructions will ensure the long and trouble-free operating life of your bike.

This owner's manual corresponds to the latest version of this vehicle at the time of printing. Slight deviations resulting from continuing development and design cannot be completely excluded. All specifications are non-binding and we reserve the right to modify or delete technical specification, parts, design etc without prior notice.

To view the latest version of this manual as well as the build video, fault finding guide and wiring diagram scan the QR code to the right.

SAFETY WARNINGS

This vehicle is NOT A TOY and not for use on public road or highways. Intended for off-road use on private property or designated areas only.

Never let children under the age of 13 operate this vehicle.
Adult supervision is required if children are under the age of 16.

WARNING:
Riding the EBOX can be a hazardous activity. Certain conditions may cause the equipment to fail without fault of the manufacturer. Like other vehicles, the EBOX can, and is, intended to move. It is therefore possible to lose control, fall and/or get into dangerous situations that no amount of care, instruction or expertise can eliminate. If this situation occurs you can be seriously injured or die, even when using safety equipment and other precautions.
RIDE AT YOUR OWN RISK AND USE COMMON SENSE.

This manual contains many warnings and cautions concerning the consequences of failing to maintain, inspect or properly use your EBOX. Any incident can result in serious injury or even death, therefore we do not repeat the warning of possible serious injury or death each time such a possibility is mentioned.

APPROPRIATE RIDER USE AND PARENTAL SUPERVISION

This manual contains important safety information and use tips to help you and your child operate and handle the EBOX. Carefully read the manual in its entirety together with your child before letting them ride for the first time. The manual also contains important information on servicing the vehicle.

It is your responsibility to review this manual and make sure that all riders understand the warnings, cautions, instructions and safety topics. Also please ensure that the riders are able to safely and responsibly use this product and protect your child from injury. We recommend that you periodically review and reinforce the information in this manual with the rider and that you inspect and maintain the vehicle to ensure its safety.

The recommended rider age of 13 is only an estimate and can be effected by the rider's size, weight or skills. Any rider unable to fit comfortably on this vehicle should not attempt to ride it.

It is important and necessary to conduct the relevant technical training with your child before first use. To obtain the training information, please contact the dealer who you purchased the vehicle from. Do not let your child use this vehicle before they have completed this training.

Children often underestimate or fail to recognize dangerous situations. You should make it clear to your child that they should not, under any circumstances, operate the vehicle without supervision and that your child may only drive at speeds that are suited with the child's riding ability and other terrain conditions.

A parent's decision to allow his or her child to ride this vehicle should be based on the child's maturity, skill and ability to follow rules.

Keep this product away from small children, younger than 13 and remember that this product is intended for use only by people who are at a minimum, completely comfortable and competent while operating the vehicle.

Do not exceed 85kgs (187lbs) total weight on this vehicle. The rider weight does not necessarily mean a person's size is appropriate to fit or maintain control of this vehicle.

Do not touch the brakes or motor on your bike when in use as they can become very hot.

ACCEPTABLE RIDING PRACTICES AND CONDITIONS

Always check and obey any local laws or regulations which may affect the locations where you intend to use the vehicle.

Ride defensively. Watch out for potential hazards that could catch your heel or force you to swerve suddenly or lose control.

Be careful to avoid pedestrians, skaters, skateboards, scooters, bikes, children or animals who may enter your path, and respect the rights and property of others.

The EBOX is meant to only be used in controlled environments free of potential traffic hazards and not on public streets or roads. Do not ride your vehicle in any areas where pedestrians or traffic are present. Do not activate the throttle unless you are on the vehicle and in a safe, outdoor environment suitable for riding.

The EBOX was manufactured for performance and durability but is not impervious to damage. Jumping or other aggressive riding can stress and damage any product, including this vehicle and the rider assumes all risks associated with high-stress activities. Be careful and know your limitations. Risk of injury increases as the degree of riding difficulty increases.

The rider and/ or parent assumes all risk associated with riding activities.

Maintain grip of the handlebars at all times.

Never carry passengers or allow more than one person at a time to ride the vehicle.

Never use near steps or swimming pools.

Keep your fingers and other body parts away from the drive chain, steering system, wheels and all other moving components.

Never use headphones or a mobile phone when riding.

Never hitch a ride with another vehicle.

Do not ride the vehicle in wet or icy weather and never immerse the vehicle in water, as the electrical and drive components could be damaged or create other unsafe conditions.

The vehicle is intended for use on flat level ground without loose debris such as rocks or gravel. Wet, slick, bumpy, uneven or rough surfaces may impair traction and contribute to accidents. Do not ride the vehicle in mud, ice, puddles or water. Avoid excessive speed that can be associated with downhill rides.

Never risk damaging surfaces such as a carpet or flooring by using the vehicle indoors.

Do not ride at night or when visibility is limited.

PROPER RIDING ATTIRE

Always wear appropriate safety equipment such as an approved safety helmet, elbow and knee pads. A helmet may be legally required by local law or regulation in your area. A long-sleeved shirt, long pants and gloves are recommended. Always wear motorcycle boots, never ride barefooted or in sandals,

USING THE CHARGER

The charger supplied with the vehicle should be regularly examined for damage to the cord, plug, enclosure and other parts. In the event of such damage, the bike must not be charged until the charger has been repaired or replaced.

Use only with the recommended charger. E.g.

- 48V lithium battery charger with label: ***54.6V***
- 60V lithium battery charger with label: ***67.2V***
- 72V lithium battery charger with label: ***84.0V***

Use caution when charging.

The charger is not a toy and should be operated by an adult.

Do not use the charger near flammable materials.

Unplug the charger and disconnect from the bike when not in use.

Always disconnect the charger prior to wiping down and cleaning the vehicle with liquid.

FAILURE TO USE COMMON SENSE AND HEED THE ABOVE WARNINGS INCREASES RISK OF SERIOUS INJURY. USE WITH APPROPRIATE CAUTION AND SERIOUS ATTENTION TO SAFE OPERATION.

ATTENTION: BATTERY STATE!
STOP USE and charge the battery once the indicator shows 10%

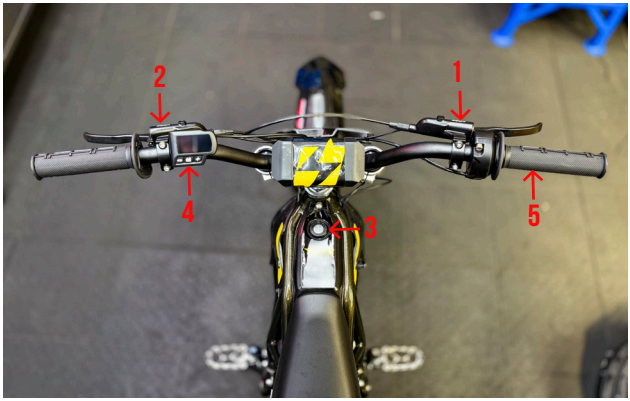
LOCATION OF WARNING STICKER

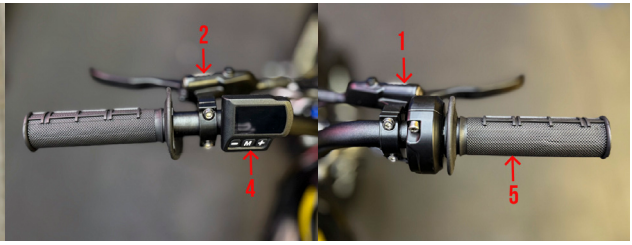
VIN Location

The VIN is stamped on an aluminium plate that is riveted to the steering column. VIN means the Vehicle Identify Number which is unique for each EBOX.

Hand Drive Controls

1. Front brake lever
2. Rear brake lever
3. Key switch
4. Multi-function Display
5. Throttle





BEFORE YOU BEGIN

Open the box and inspect the contents for any scratches, dents or cable kinks that may have occurred during shipping. Your EBOX was 85 percent assembled and packed at the factory, so there should not be any problems, even if your box has a few scratches or dents from shipping.
However, if you do find an issue, please report it immediately via our contact form which can be reached here: Http://www.stomp-group.com

Remove all loose items such as the forks, front wheel, number board, front mud guard and accessory box.

Check that all components are present and nothing appears to have been damaged or missing from transit.

Place these items in a safe place to avoid any accidental damage.

Remove the bike and place on a suitable assembly stand, ensuring the bike is secure and will not tip over.

Remove all protective packaging taking care not to cut any cables or components if using a sharp blade. **DO NOT** remove the graphics' protective film until the bike is fully assembled to avoid any accidental damage. **DO NOT** cut the zip ties that group the control cables together.

Discard all packaging along with the cardboard box via the appropriate recycling stations.

You are now ready to begin assembling your bike.

MAKE SURE THE KEY AND AIR SWITCH ARE TURNED "OFF".

Estimated Assembly and Set-Up Time

We recommend assembly by an adult with experience in motorbike mechanics.

- Allow up to 30-40 minutes for assembly.
- Allow up to 1 hour to conduct a full PDI after assembly (PDI instruction can be found at the back of this manual).
- Allow up to 7-9 hours for initial charge depending on the model.

Tools Required

Tools may be supplied; however, we recommend the use of mechanic grade tools. Use the supplied tools only as a last resort.

The list of tools required is as follows:
- Wrench or Socket
8mm / 13 mm / 14mm / 15mm / 17mm
- Allen key
5mm / 6mm
- T50/ T45/ T30 Torx

As well as the bike, you will find a small box with the below parts inside.

1. Rear shock
2. Crossbar pad
3. Assembly bolts, handle bar clamps
4. Crossbar pad graphics
5. Tool kit
6. Charger and lead
7. Rear mudguard mounting bracket
8. Front wheel axle and spacers
9. Display
10. Headlight and Switch *(EBX72R models only)*

ASSEMBLY ILLUSTRATION AND INSTRUCTION

Handlebar Assembly

Caution: Failure to properly adjust and tighten the bolts that affix the handlebars can cause you to loose control and crash.

1. Place the handlebar in the bottom clamp, then install the top clamp section and 4 retaining bolts, do not fully tighten at this point.

2. Move the handlebar to a comfortable riding position, then tighten all 4 bolts securely with an allen key, ensuring even clamping force between the 2 faceplates.

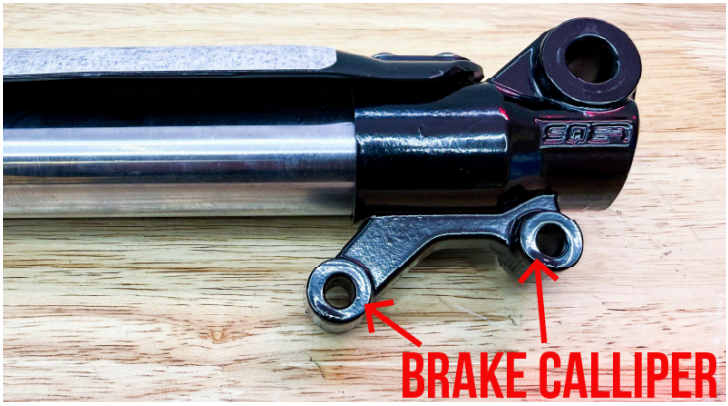
3. Put the moulded foam bar pad over the clamps and secure into place with the crossbar pad graphics. This will loop around the pad and secure with velcro underneath.

Fork Assembly

1. Locate the box in which your fork legs have been shipped. This should have been packed on top of the bike during shipping. The box will contain both your left and right fork leg with the fork guards already installed.

2. Loosen the clamping bolts on both the left and right hand side of the yoke. The lower clamps are secured with 2x M6 bolts. The upper clamp uses 1x M8 bolt.

3. Identify your (riders) left fork leg. This is the leg that your brake calliper will mount to. You will note the calliper mounting tabs on the rear of the fork foot.



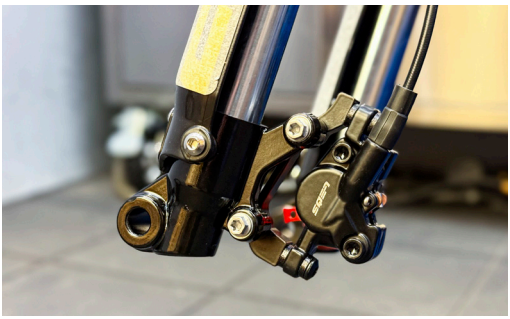
4. Take your left fork leg and slide it through the riders left side of the yoke.

5. Make sure the fork leg nut is fully protruding from the upper yoke, you should also have 1-2mm of the fork leg above the clamp.
At this point loosely tighten the clamp bolts to stop your fork leg from sliding back out of the yoke.

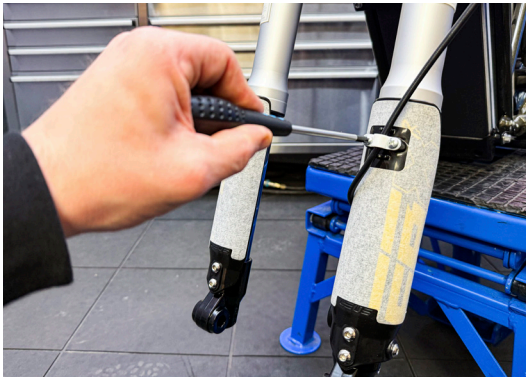
6. Repeat this process for the right hand fork leg, ensuring the same amount of leg is protruding from the yoke as the left hand side (1-2mm).

7. Torque all the yoke clamps;
M8: 22Nm (Top single bolt clamp)
M6: 12Nm (Lower 2 bolt clamp)

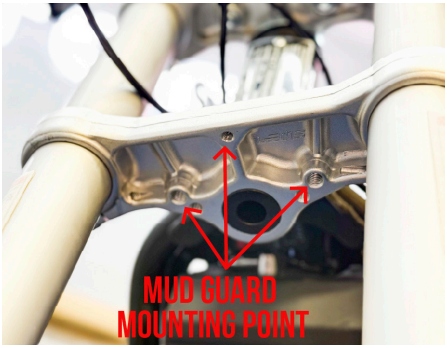
8. Route the front brake hose from the front side of the leg to the rear and mount the front brake calliper including the brake adaptor to the fork foot using the bolts provided.



9. Finally fit the brake hose into the mount on the fork guard to keep it tidied and securely out of the way. Tighten the 2 phillips head screws to secure the holder.



Front Mud Guard



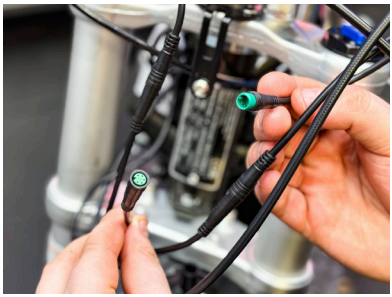
Mount the front mud guard to the fork lower stantions and secure with the 3 provided bolts.

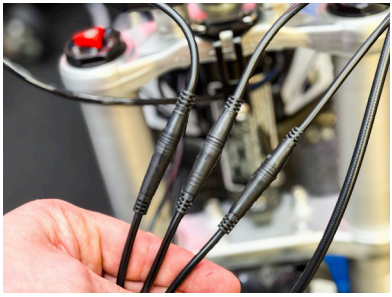
Tighten the guard down securely.

Display

1. Locate your display. This was shipped in the accessories box with the other parts and is clearly marked.

2. Remove the clamp bolt from the rear of the display. Open the clamp and position the display on the handlebars. Reinstall the clamp bolt and tighten it once the display is positioned as desired.





3. Connect the UART connector. This connector is keyed, so ensure the arrows on both halves are aligned before pushing the connectors together.

There are three UART connectors on the bike, and they are colour-coded. Make sure each connector is matched correctly, as incorrect connections may cause damage to your EBOX.

Red connectors – Brake switches (pre-connected at the factory)

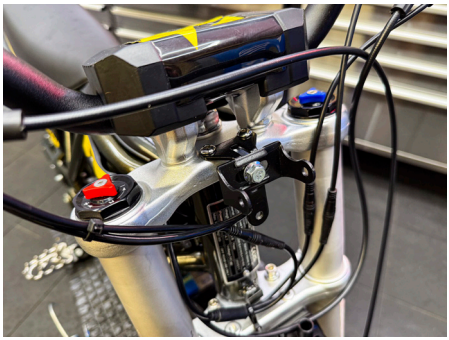
Green connector – Display unit

Headlight (EBX72R models ONLY)

EBX72R models come with a headlight as standard. If you have an EBX60 or 60R model and you wish to add a headlight they are available from our website and the plugs are already featured in the loom to fit the unit.

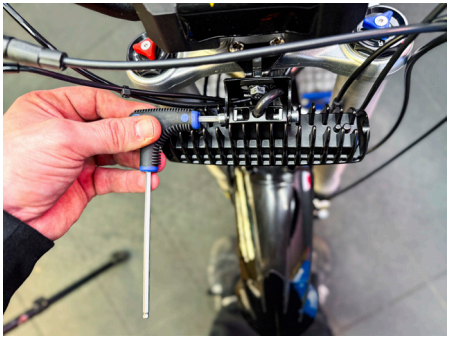
1. The headlight, two-position switch, and mounting bracket are packed with the other accessories. Locate the box containing these components and verify that all items are present.

2. Attach the U-shaped light bracket to the number board mount using the supplied M6 bolt and nut. Do not fully tighten at this stage.



3. Insert the two threaded square mounts into the recess on the back of theheadlight unit, either side of the power cable.

4. Position the headlight unit onto the bracket. Using the supplied bolts and an Allen key, fasten the bolts into the square mounts. Adjust the headlight to the desired angle before fully tightening the fasteners.

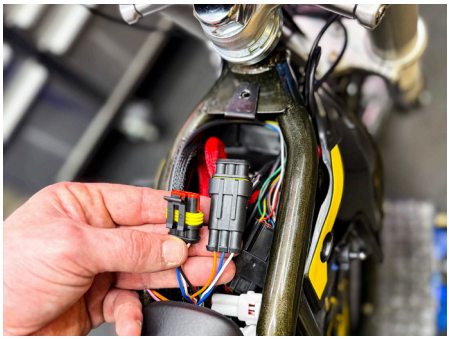


5. Position the number board to check that the headlight does not obstruct it. If interference occurs, adjust the headlight position by moving it upward on the number board bracket. Once the correct position is achieved, fully tighten the mounting bolt and nut.

6. Mount the headlight switch onto the handlebars in a suitable position for easy operation.

7. Remove the key switch panel and locate the two 3-pin connectors in the wiring loom. These connectors will be taped together and marked with a warning label. One connector will also have a blanking plug installed.

Do not connect these two connectors together.



Remove the blanking plug. Then connect the headlight power cable to the female connector, and the headlight switch to the male connector on the main power loom.

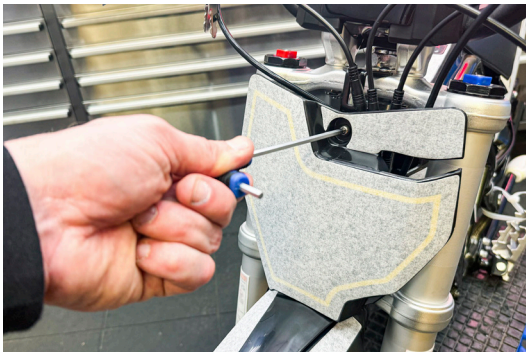
Do not connect the headlight directly to the switch only to the corresponding plugs on the loom.

8. Once these are connected you can tuck the connectors away and replace the keyswitch panel.

Number board

Remove the allen head bolt from the numberboard mounting tab. This is located on the upper fork stantion.

Locate the lower number board dowels into the corresponding mounts on the front mud guard.



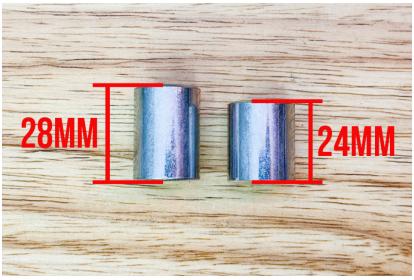
Then, using the bolt we previously removed, secure the number board to the number board mounting tab and tighten down securely. Keep the control cables behind the number board to secure them into position.

Front Wheel

1. Undo the retaining nut and remove the axle from the forks. Be careful not to lose either of the wheel washers.

2. Place the wheel between the forks ensuring that the disc is situated between the brake calliper pads.

3. Insert the axle through the left fork dropout.



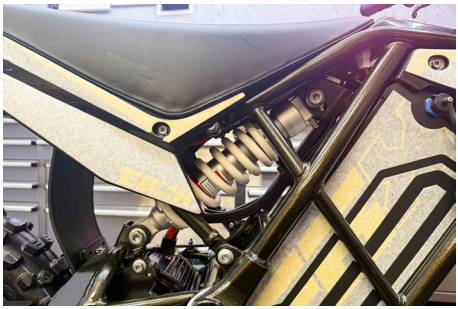
4. Slide the longer 28mm spacer onto the axle between the wheel (disc side) and fork leg.

5. Continue sliding the axle through the wheel and right fork leg, making sure to install the second shorter (24mm) spacer.

6. Secure the axle in place using the nut we previously removed and tighten to 47Nm.

Rear Shock Absorber

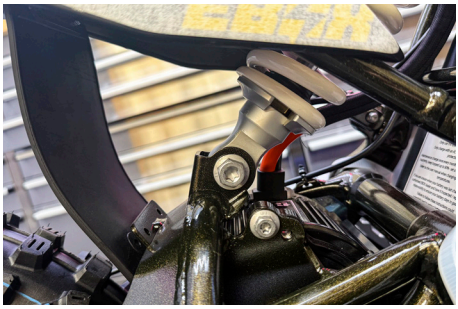
1.Start by removing the brace that has been fitted between the 2 shock mounts to protect your Ebox during shipping.



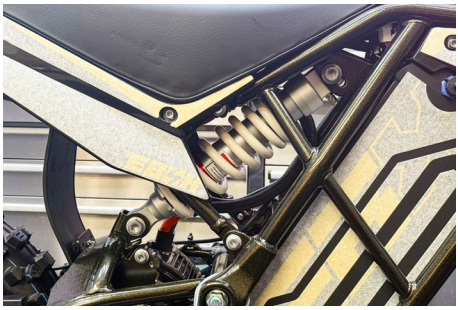
2. Install the shock into the upper shock mounting position. There are 2 upper shock mounting points. Mounting in either position A or B will effect the seat height of your Ebox.

Secure the shock in the mounting point and tighten down to 27Nm.

3. Lift the frame allowing the shock and swingarm to pivot. Align the lower mounting hole with the corresponding mount point on the swing arm.



4. Use the bolt to secure the shock to the swing arm mount and tighten the nut to 27Nm using a wrench.



Rear Mud Guard

1. Locate the mounting plate and 2x M6 bolts for the rear mudguard.

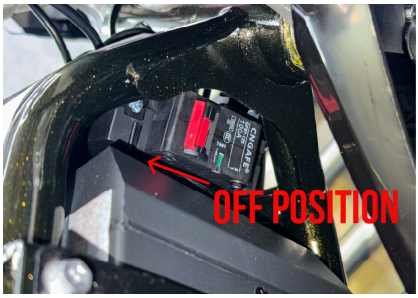
2. Feed the bolts through the mounting plate, mud guard and then tighten down to the bracket that is affixed to the swingarm. This will sandwich the guard in place.

Air Switch

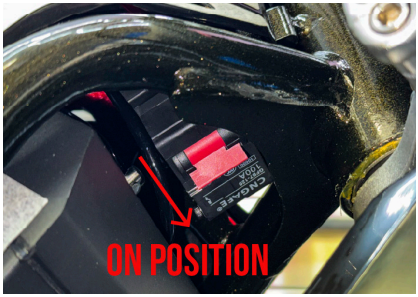
Your new EBX model is equipped with an air switch that fully isolates the battery when the bike is not in use.

From the factory, the switch is set to the OFF position. Before powering on the bike with the key switch, you must first move the air switch to the ON position.

The air switch is located on the underside of the frame, between the headstock and the battery. If you cannot easily reach the switch from underneath the front of the bike, carefully lay the bike on its side to locate it.



Move the switch to the ON position, then turn the key switch. You will hear a beep from the controller and the display will illuminate, indicating that the bike is powered on and ready to ride.



If the bike does not power on at this stage, check the main battery connection located under the key switch panel.

Inflate The Tyres

Note: *The tyres are inflated when shipped but they invariably lose some pressure between the point of manufacture and your purchase. Always inflate the tyres to the correct PSI before first use.*

We recommend 26psi for use on tarmacked surfaces and anywhere between 20-30psi for off road use depending on conditions.

Use a bicycle-style pump to inflate the tyre to the PSI indicated on the sidewall.

Note: *The pressurised air pumps found at petrol stations are designed to inflate high-volume car tyres. If you decide to use such an air pump to inflate your tyres, first make sure the pressure gauge is working, then use very short bursts to inflate to the correct PSI. If you inadvertently over-inflate the tyre, release the excess pressure immediately.*

Important information for tyre use

Note: *The tyre is the only contact between the vehicle and the road, the safety of various driving activities depends on the small area contact patch of the tyre with the road. Therefore, it is very important to keep the tyre in good condition at all times and use the correct size and standard tyre to replace worn items. These are available from your EBOX dealer.*

Guide:

Tyre assembly and disassembly
It is strongly recommended that the tyre assembly and disassembly is done by an authorised technician with the necessary skills.

Tyre pressure
It is very important to keep the tyre properly inflated and check tyre pressures before use. Inflating should be done while the tyre is cold.

Tyre maintenance
Tyre tread depth should be checked regularly. (Shallower tread means less grip). You must stop use of the vehicle if the tyre is punctured.

If your tyre is punctured remove the tyre and check it carefully taking care not too injure yourself as there may be sharp objects embedded in the tyre. Tyre maintenance should be done by an authorised technician. If the tyre becomes distorted or damaged it should be replaced immediately.

Tyre replacement
It is important to use the correct size and standard tyre as per the specification (see details in technical specification sheet)
Do not use part worn/ used tyres if you are not sure of its previous service condition.

Tyre aging
Tyre aging is unavoidable. Even if the tyre has never been used or just used a few times. Tyre aging is mainly reflected in visible cracking on the sidewall and tyre tread itself, sometimes the tyre can become distorted as well.

Charging the Battery

Your EBOX may not have a fully charged battery upon purchase; therefore it is essential to charge the battery prior to use.

- Initial charge time: 7-9 hours depending on level of depletion.

- Run time: up to 45 minutes of continuous ride time at MAX speed; run time may vary depending on riding conditions.

- Average battery life: 250-500 charge/discharge cycles depending on which type of battery. To ensure long battery life, do not store the batteries in temperature above 40°C or below 0°C.

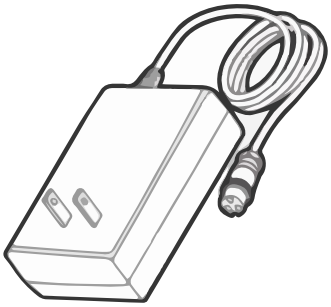
- Recharge time: Always remember to turn the EBOX power switch off and recharge for at least 7-9 hours after each use depending on the model. When the vehicle is not in regular use, recharge the battery at least once a month until normal use is resumed. If you have left the power switch on or your product has not been charged for a long period of time the battery may reach a stage at which it will no longer hold a charge.

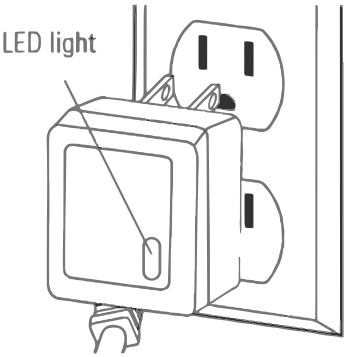
WARNING: Rechargeable batteries are only to be charged under adult supervision. Always disconnect your EBOX from the charger before cleaning.

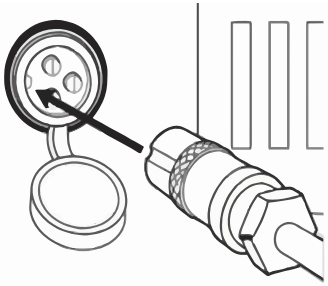
NOTE: *EBOX chargers have built-in over charge protection. Chargers will get warm during use, this is normal for some chargers and is no cause for concern. If your charger does not get warm during use, it does not mean that it is not working.*

The charger has a small window with an LED to indicate the charge status. A Red LED means the battery is charging and a Green LED means that the battery is fully charged.

Be sure to properly align the keyway on the charger input port with the corresponding socket on the vehicle and tighten snugly; otherwise, your vehicle may not charge.







Note: Make sure the power is turned **OFF** when unit is not in use. If the power switch is left on for an extended period of time, the battery may reach a stage at which it will no longer hold a charge.

Plug the charger into a wall outlet. If the lights on the charger do not light up, check the power to the outlet. If necessary, try a different outlet.

Turn the power **OFF** before charging. Plug the charger into the charger port to charge your EBOX. Then turn the power back **ON.**

Warning: Failure to recharge the battery at least once a month may result in a battery that will no longer hold a charge.

Warning: NEVER leave your EBOX on charge whilst unattended. DO NOT charge your EBOX inside your home or office.

Warning: Always ensure your EBOX is connected to a suitable modern domestic RCD protected power source. If your electrical system does not feature RCD protection, you should ALWAYS install a separate RCD between your charger and the electrical source.

Warning: Only charge your EBOX with an AC circuit that has surge protection.

SAFETY REMINDERS

PRE-RIDE CHECKLIST

Loose Parts

Check and secure all fasteners before every ride. You should make sure that the handlebar riser clamp bolts are adequately tightened. There should be no unusual rattles or sounds from loose parts or broken components. If you are not sure, ask an experienced mechanic to check the bike over for you.

Brakes

Check the brakes for proper function. When you squeeze the lever, the brake should provide positive braking action and lock up the wheel while stationary.

Frame, Fork and Handlebars

Check for cracks or broken connections. Although broken frames are rare, it is possible for an aggressive rider to cause damage to their frame from a cash or hard impact. Get in the habit of inspecting yours regularly to avoid accidents.

Tyre Inflation

Periodically inspect the tyres for excess wear, regularly check the tyre pressure and re-inflate as necessary. If you get a flat tyre, the inner tube can be patched or a new tube can be purchased from an EBOX authorised dealer.

Safety Gear

Always wear proper protective equipment such as an approved safety helmet, elbow and knee pads. Always wear motorcycle boots, never ride barefoot or in sandals. Keep any loose objects away from the wheels, motor and drive system.

Starting The Bike

Always take care when starting the bike as it is very powerful, with adjustable motor response and speed limiter. Always check these settings before starting the bike.

First ensure the air switch is in the ON position (see the Air Switch section of this manual).

Turn the key switch to the ON position. You will hear a beep from the controller and the TFT display will illuminate.

EBX models default to Drive Mode 0 when powered on. In this mode, the bike is powered but the throttle is inactive.

To enable drive, press the “+” button on the display to select your desired power mode (1–3).

ATTENTION

We recommend re-checking all parts after the first ride to ensure they are still correctly tightened and have not come loose. We recommend special attention be paid to the following parts:

- Foot pegs
- Motor sprockets
- Shock absorber
- Motor bolts and nuts
- Rear sprocket
- Wheels
- Chain Tension
- Brakes and Callipers

DISPLAY

Functions

Your EBOX display has a number of different display functions, these are:

- Battery indicator
- Assist-level selection and indication
- Intelligent indication of Current speed, MAX. speed and AVG. Speed
- Trip and ODO
- Motor power
- Trip Time
- Error code indication
- Various Parameters Settings
- Recover Default Settings

General Operation

Button Functions

Your display has 3 buttons:
ON/ OFF button
Up button (+)
Down button (-)

These are used in conjunction with each other to switch between power modes/ access different information on your display and navigate the menu's.

Display Interface

After switching on your EBOX, the display will show Speed(km/h) as default. Press the "ON/OFF" button to switch between following items:

Trip (Miles) - ODO (Miles) - Power (Watt) - Time - Max. Speed (mph) - Avg. Speed (mph).

Riding Mode Selection

After tunring the bike on via the key switch you can select your riding mode using the “+” or “-” key on the display.

The default riding modes range from 0-3. The bike will start in 0, this does not provide drive to the throttle. Level 1 is minimum power output. Level 3 is maximum.

Error Codes

When an error is detected an error code is shown on screen. Cross reference this code to the table below to find your fault.

ERROR CODE	DEFINITION
01	Motor Encoder Signal Abnormality
02	Throttle Abnormality
03	Controller Abnormality
04	Battery Undervoltage
05	Motor Phase Loss
07	Cannot Receive Data From Display
30	Communication Abnormality

Settings

With your EBOX powered on and stationary, hold the “+” and “-” buttons for more than 2 seconds to enter the settings menu.

This includes:
- Display Settings
- Advanced Settings
- Information (software information)

Display Settings

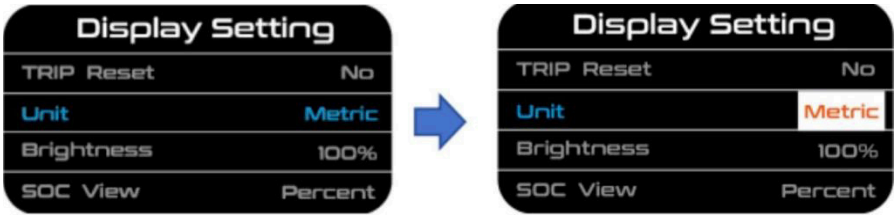
Trip Reset

Press “ON/OFF” button to enter Trip Reset, press the “+” button or the “-” button to select *Yes (Reset Trip)* or *No (Dont Reset Trip)*. The default setting is *TRIP Reset-Yes*” . If you select YES, press the “ON/OFF”

button to confirm. The display will show the word “OK” to indicate that the reset is complete and return to the item selection interface. If you select NO, you will directly return to the item selection interface.

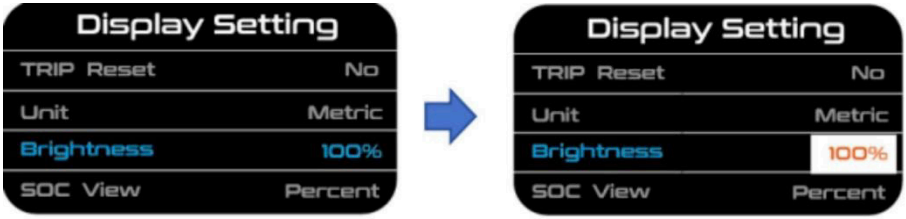
Unit

The default is *Metric (km/h)*. To toggle unit, press the “ON/OFF” button to enter the imperial and metric unit switch interface, then press the “+” button or the “-” button to choose the desired setting item *(km/h - mph)*, and then press the “ON/OFF” button to confirm. The display will show the word “OK” to indicate that the setting is complete and return to the item selection interface.



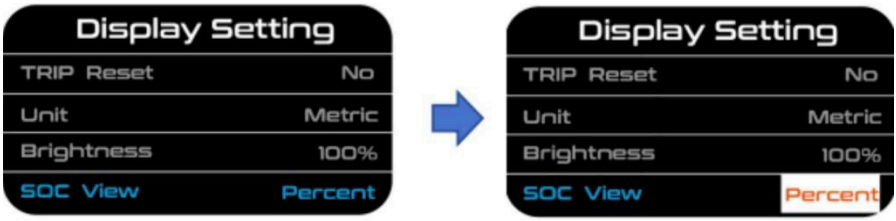
Display Brightness

Press the “ON/OFF ” button to enter settings. To change the backlight brightness, press the “+” button or the “-” button to choose the desired percentage. 100% is the highest brightness. 10% is the lowest brightness.
There are 5 settable levels: 100%-75%-50%-30%-10%.
Press ON/OFF button to save and return to *Brightness*.



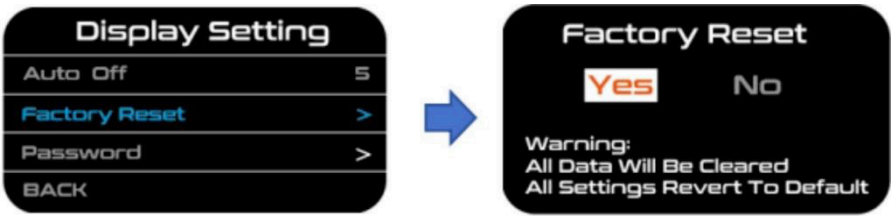
State of Charge (SOC) View Settings

Press the “+” or the “-” button to select between *Voltage*/ *Percent*, press “ON/OFF” to save and exit to SOC View.



Factory Reset

Press “+” or “-” to select *Factory Reset*, press “ON/OFF” to enter the setting, press “+” or “-” to switch between *yes* (Restore factory settings) / *no* (Don’t restore factory settings), press “ ON/OFF “ to save and exit to *Factory Reset*.



Password

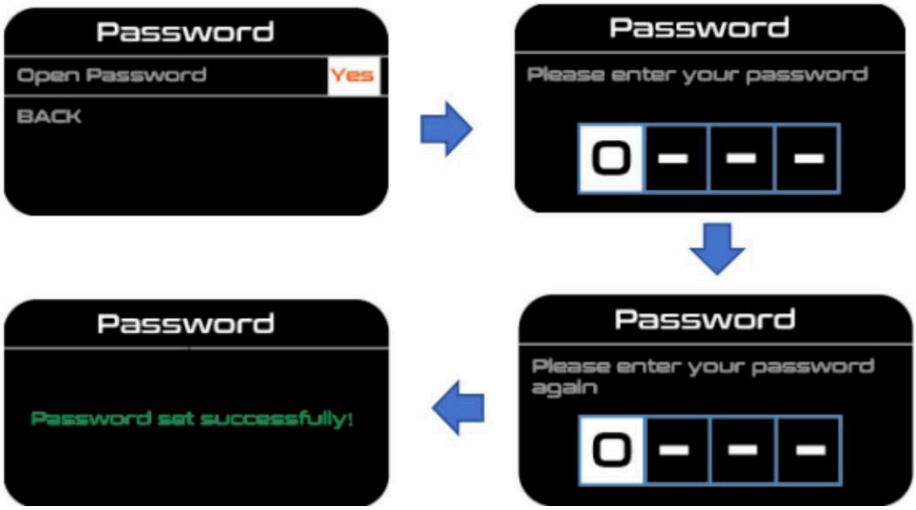
Press “+” or “-” to select *Password*, press “ON/OFF” to enter the setting, then press “ON/OFF” to select *Open Password*; Press “+” or “-” to switch *Yes*/*No*.

Enable Power- on Password

After selecting *Yes* in the *Open Password* interface, press “ON/OFF” to confirm, the interface will prompt you to enter your numerical password. Press “+” or “-” to enter the value, press “ON/OFF” button to shift to the next charactor. After your 4-digits password is entered, press the “ON/OFF” button to confirm.

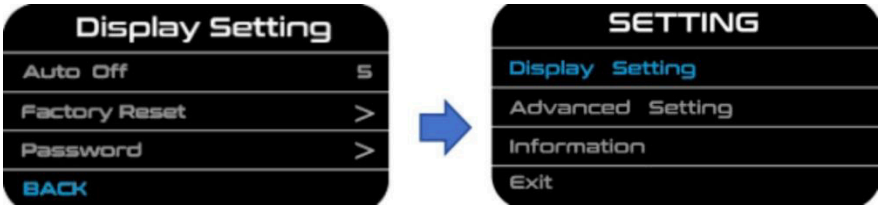
Then the interface will prompt you to enter the password again. After the two passwords match, the system will confirm that the password is set successfully.

If the two inputs are inconsistent, you need to repeat the first step to enter a new password and confirm. If the password is set successfully, then after 2S, the interface automatically jumps to the original setting interface.



Exit Display Settings

Press “+” or “-” to select “BACK”, and press “ON/OFF” to exit to *Display setting*.



Advanced Settings

Assist Level Settings

Press the “+” or “–” button to select the Assist Level range. There are two selectable modes: 0–3 or 1–3.

0–3 – This is the factory default setting. When the bike is powered on, it

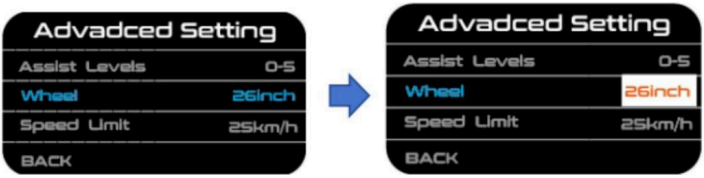
will automatically start in Mode 0. In this mode the bike is powered on, but the throttle is inactive.

1–3 – When this setting is selected, the bike will power on directly in Mode 1, with the throttle active.

For younger or inexperienced riders, we recommend using the 0–3 setting for additional safety.

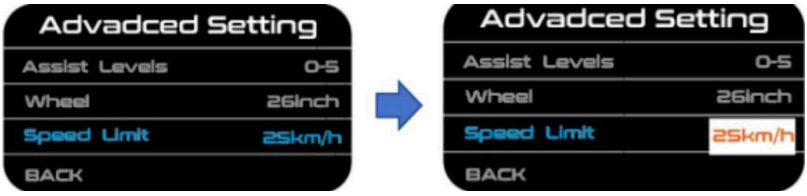
Wheel Diameter Settings

Press the "+" button or the "-" button to select the desired value, the range is from 10 to 30 inch's *(This is wheel diameter INCLUDING TYRE)*. After selecting the desired value, press the "ON/OFF" button to save and exit to *Wheel*.



Speed Limit

Press the "ON/OFF" button to enter *Speed Limit* settings. To change basic settings, press the "UP" or the "DOWN" button to select the desired value. The speed limit range is "12-99km/h". After selecting your desired value, press the "ON/OFF" button to save and exit.



TECHNICAL SPECIFICATION SHEET

MODEL	EBX60	EBX60R	EBX72R
MOTOR	PMSM Motor w/ Encoder and temp feedback		
MAX SPEED	45mph	53mph	55mph
FINAL DRIVE	10t/ 70t, chain 219H		
CONTROLLER	Fardriver 80A		
BATTERY	60V 18.2Ah Lithium	60v 26Ah Lithium	72v 25Ah Lithium
CHARGER	110-240V, 67.2V 3A	110-240V, 67.2V 5A	110-240V, 84V 6A
CHARGE TIME	7-8hrs		
RANGE PER CHARGE	21-25 miles	25-28 miles	28-31 miles
FRAME	High tensile steel double cradle tube frame, powder coated	High tensile steel double cradle tube frame, painted	
SUBFRAME	Removable		
HANDLEBAR	Aluminium Ø 22mm		
FRONT SUSPENSION	Upside-down forks, Φ39x Φ41, 600mm		
REAR SUSPENSION	Mono shock 270mm		
BRAKE SYSTEM	Hydraulic brake		
DISC BRAKE	F/R Ø 180mm		
FRONT/REAR RIM	1.4 x 14”, 1.85 x 12”		
FRONT/REAR TYRE	60/100 x 14”, 80/100 x 12”		
WHEELBASE	955mm		
GROUND CLEARANCE	255mm		
SEAT HEIGHT	660mm		
MAX LOAD	85kg		
N.W/ G.W	46.2kg/ 53.5kg	50.8kg/ 58.1kg	51kg/ 58.5kg
BIKE DIMENSIONS	1400 x 645 x 890mm		
PACKING SIZE	1080 x 320 x 640mm		

REPAIR AND MAINTENANCE

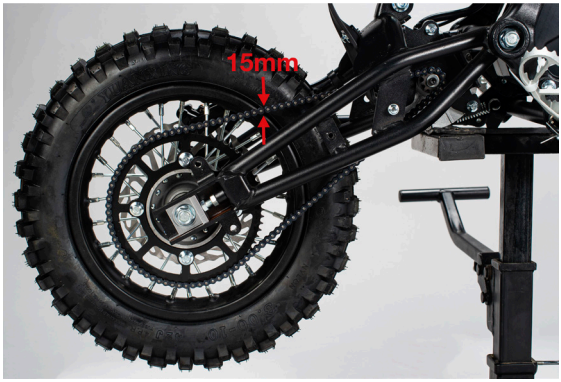
Chain Adjustment

Checking the drive chain periodically will ensure longer chain life. Always keep it lubricated and tighten the chain correctly as follows:

1. Loosen the 3 bolts used to hold the chain cover in place. Once undone, remove the chain cover by sliding it around the swing arm.

2. Loosen the rear axle using a 17 and 14mm socket, you do not need to remove it completely. Undo the chain tensioner lock nuts.

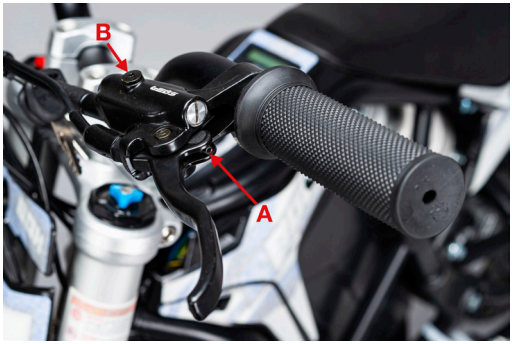
3. Adjust the position of the rear wheel and re-tighten the axle. Check that your chain is correctly tensioned, 15mm movement up and down from centre, then tighten your adjuster lock nuts to the swing arm and alloy block and torque your axle to secure.
Make sure that your wheel is centrally positioned within the swing arm.



4. Refit the chain cover and tighten the bolts to secure.

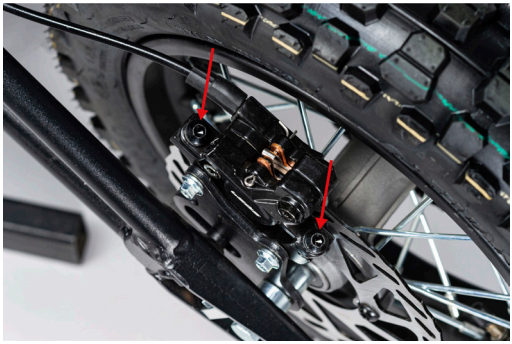
Tuning Your Brake

1. Brake bite point is adjustable on the EBOX. To adjust the bite point, wind in/out screw A. This will enable you to fine tune how soon your pads start to contact the brake disc.
If your brakes start to feel soft or stop working, they may need to be bled. This can be done by using screw B.

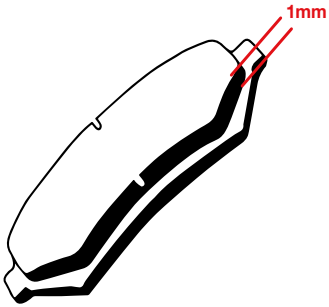


It is recommended that this process is completed by a competent mechanic who is trained in bleeding hydraulic brake systems.

2. To make sure your brake is performing optimally you may need to adjust your calliper position.
Loosen the 2x 5mm allen bolts that hold the calliper to the bracket. Pull the brake lever, this will centre the brake to the disc.
Re-tighten the calliper bolts, while keeping the lever depressed. Check that the wheel spins freely with no interference of pad and disc. If there is interference repeat the process.



Pad Wear



You should regularly check the condition of your brake pads and inspect for excessive wear. The thickness of the braking material on the lead and trailing edge of the four pads should never be less than 1mm. Should the material be thinner, immediately replace the brake pads.

We recommend having the brake pads replaced by an authorised dealer.

Warning:
The brake is capable of causing the bike to lock the rear wheel and skid, potentially throwing an unsuspecting rider. Practice in an open area free from obstacles until you are familiar with the brake performance. Avoid skidding to stop as this can cause you to loose control or damage the rear tyre.

Testing the Brakes

To use the brake, squeeze the lever to increase the pressure on the brake. If your brake is not engaging properly, follow instructions for adjusting the brakes.

Chain and Sprocket

The chain will typically have a “loose spot” and “tight spot” corresponding with a particular sprocket rotational position. This is normal and common to all chain-driven products due to run-out tolerance of the free wheel and sprocket. It is possible to minimise these loose/ tight spots in the chain by centering the rear sprocket to the hub. This can be done by loosening the sprocket bolts, spinning the wheel a number of rotations then correctly re-torquing the bolts. The chain should then be adjusted to the ideal tension with the chain in the tightest spot.
Proper chain alignment must be maintained. The wheel must not be skewed, if the chain is noisy or rough running, check the lubrication, tension and alignment of sprockets, in that order.

Warning:
To avoid a pinch or injury, keep fingers away from moving sprockets and chain.

Trouble shooting guide

Problem	Possible cause	Solution
Vehicle does not run	Undercharged battery	Charge the battery. A new battery should have been charged for at least 7-9 hours before using the vehicle for the first time depending on the model, and up to 8 hours after each subsequent use.
		Check all connectors. Make sure the charger connector is tightly plugged into the charging port, and that the charger is plugged into the wall.
		Make sure power flow to wall outlet is on.
	Charger is not working	Check to see if your charger is working by using a volt meter or asking the authorised service centre to test your charger for you.
	Fuse	Check the fuse has not burnt out and replace as necessary.
Vehicle was running but suddenly stopped	Loose wires or connectors	Check all wires and connectors to make sure they are tight.
	Burnt Fuse	The fuse will burn out and automatically shut off the power if the motor is overloaded.
		An excessive overload could cause the motor to overheat. Refer to replacing the fuse section of this manual. Correct the conditions that caused the fuse to burn out and avoid repeatedly burning out fuse.
	Motor or electrical switch damage.	Contact your authorised service centre for diagnosis and repair.
	Speed controller damaged	Contact your authorised service centre for diagnosis and repair.

Short run time less than 15 minutes per charge	Under-charged battery	Charge the battery. A new battery should have been charged for at least 7-9 hours before using the vehicle for the first time depending on the models, and up to 8 hours after each subsequent use.
		Check all wires and connectors. Make sure the battery connector is tightly plugged into the charger connector, and that the charger is plugged into the wall.
		Make sure the wall outlet is turned on.
	Battery is old and will not accept full charge.	Even with proper care, a rechargeable battery does not last forever. Average battery life is 1 to 2 years depending on vehicle use and conditions. Replace only with a genuine EBOX replacement battery.
	Brakes are not adjusted properly	Refer to brake adjustment instructions.
	Faulty bat-tery charger	Check the charger is outputting the correct voltage. If it is not, contact your dealer to source a replacement.

Vehicle runs Sluggishly	Tyres are not properly Inflated.	The tyres are inflated when shipped, but they invariably will lose some pressure Between the point of manufacturing and your purchase. Refer to tyre instructions to properly inflate tyres.
	Vehicle is overloaded.	Make sure you do not overload the vehicle by allowing more than one rider at one time, exceeding the maximum weight limit, going up too steep a hill or towing objects behind the vehicle. If the vehicle is overheated, the temperature circuit protector will slow the motor down and if the condition continues, will shut off power to the motor. Correct the driving conditions that caused the overheating, wait 5-10 minutes and then resume riding. Avoid repeatedly overheating the unit.

Sometimes the vehicle doesn't run, but other times it does.	Loose wires or connectors	Check all wires around the motors and all connectors to make sure they are tight.
	Motor or electrical switch damage.	Contact the authorized service centre for diagnosis and repair.
Charger gets warm during use	Normal response to charger use	No action required. This is normal for some chargers and is no cause for concern. If your charger dose not get warm during use, it does not mean that it is not working properly.
Vehicle does not stop when applying the brake.	Brakes are not adjusted properly	Refer to the brake adjustment instructions in this manual to properly adjust brakes.
Vehicle makes loud noises or grinding sounds	Chain is too dry	Apply a lubricant to the chain.
	Worn chain / Sprocket	Replace/ change the worn item. We recommend that this is done by an authorised dealer.
	Misaligned rear wheel	Check the alignment of your rear wheel. If it is out of line then re-centre using the guide found earlier in this manual.
	Brake pads worn	Measure the material left on your pad. If it is less than 1mm on the lead or trailing edge of the pad then please replace them.
	Wheel bearing failed	If your wheel has side to side play then it is likely that the rear wheel bearings have failed. These can be changed by your local authorised dealer.
	Motor bearings failed	If there is movement in the motor's drive shaft then the motor bearings may have failed. Please get in contact with your local authorised dealer who will be able to source replacement parts.

This is a basic trouble shooting guide. For a more in depth live version of this guide please visit our online fault finder at eboxelectric.com

EBOX PDI

Please ensure you complete a full PDI of your EBOX after initial assembly to thoroughly check the safety of all components.

1. Starting at the rear of the bike, work your way to the front on both sides checking that all nuts, bolts and screws are tight. Don't assume that because it is new from the factory that everything will be tight.

A drop of thread compound (non-permanent type) is advised on the threads of the brake calliper bolts, front sprocket drive bolt and motor mounting bolts.

Check the following points on your EBOX to ensure that they are tight. (This is not an extensive list and there may be others).

- Rear wheel axle nut
- Rear wheel spokes
- Chain adjuster lock nut
- Rear shock bolt and nut at the top and bottom of the shock
- Swing arm pivot bolt/ nut
- Rear brake caliper bolts
- Rear brake disc bolts
- Rear sprocket bolts
- Chainguard bolts and chain roller bolt
- Rear subframe bolts (where applicable)
- Motor mounting bolts/ nuts
- Front drive sprocket bolt
- Footrest bracket bolts (where applicable)
- Rear brake pedal bolt
- Side stand bolt/ nut
- Handlebar bolts
- Tighten head set bearing making sure to eliminate all freeplay
- Front fork pinch bolts
- Front mudguard bolts
- Steering head bolt
- Front wheel axle nut
- Front wheel spokes
- Front wheel axle clamp bolts (where fitted)

- Front brake caliper bolts
- Front brake disc bolts

2. Checking the settings

2.1 Chain tension

With the bike's rear wheel off the ground rotate the wheel and check the run of the chain. The chain should run straight between both sprockets with no major deviation left or right. Check the chain freeplay with a ruler. It should have about 15 mm of slack up and down from the mid-position (that's a total of 30mm slack). Adjust if necessary.

2.2 Wheels

Check all spokes on the wheels are correctly tightened and the wheels are true. Working from the valve round all spokes toghtening spokes 1/4 turn at a time (anti-clockwise) if needed .

Check the tyre pressures, setting them to 26psi. For off road use the pressure can be anywhere between 20-30psi according to personal preference.

2.3 Brakes

Check that both brakes are capable of locking the wheels when fully applied and that they free off fully when released.

2.4 Suspension

While standing alongside the bike push on the handlebars to compress the forks, checking to see if they run smoothly without any binding. Compress the rear suspension several times. It should move up and down freely without binding.

2.5 Battery

Always use the correct lithium charger provided, using the incorrect charger will damage the battery and void your warranty.

For prolonged life and to avoid damaging the battery, it is recommended that the battery is fully charged at least once a month.

Warranty

For the latest warranty information please check the warranty section at www.eboxelectric.com

This does not affect your statutory consumer rights for your country of purchase.

Please read the owner's manual before riding.

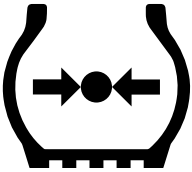
Never operate this vehicle if you are under the age of 13.

Never use this vehicle on public roads. OFF ROAD USE ONLY.

Never ride with a passenger.

Always use an approved helmet and protective gear.

Never use with drugs or alcohol.



Check tyre pressures when cold.