emu

THE ELECTRIC BIKE

QUICK START GUIDE

2019
VERSION

www.emubikes.com

QUICK-START GUIDE TO AN EMU ELECTRIC BIKE

Your new EMU electric bike is 95% assembled and can be wheeled straight out of the box.

Please check the contents and follow this guide carefully to ensure you can start to enjoy your EMU electric bike without delay.

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EMU bike

Samsung/Panasonic lithium battery and charger

Pedals

Keys

Basic assembly tools

Warranty

BIKE COMPONENTS

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2. Display
3. Gear lever
4. Brake lever
5. Front fork
6. Rim
7. Tyres
8. Motor
9. Spokes
10. Front mudguard
11. Battery
12. Frame(Male / Female)
13. Seat post
14. Saddle
15. Chain guard
16. Pedal
17. Crank set
18. Kick-stand
19. Chain
20. Rear mudguard
21. Gear hub
22. Front brake
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24. Luggage rack
25. Rear light
26. Handlebar
27. Battery connection socket
28. Front light
29. Headset top cap

CHARGING THE BATTERY

1. Unpack the battery and charger and place on a level surface.
2. Connect the battery to the charger.
3. Plug the charger into a wall socket.
4. It is important to charge the battery fully before using it for the first time.
5. When the light on the charger turns from red to green the battery is fully charged.
6. Unplug the charger from the wall socket.
7. Do not leave the battery plugged in once it is fully charged.

FITTING THE BATTERY

1. Place the bottom of the battery into the holder.
2. Push the top of the battery home and lock into place with the key.
3. Remove key and keep safe
4. To remove the battery, unlock by turning the key anti-clockwise, push it gently down towards the pedals and lift out.

FITTING THE PEDALS

1. Look closely at the pedal axles, you should see a small “R” and “L” for the “right” and “left” (when sitting on the bikes)

2. Choose the appropriate pedal for each side and insert it into the correct crank arm, turn the pedal axle towards the front of the bike (both pedals thread in this direction, so the left pedal turns anti-clockwise and the right pedal turns clockwise). If it doesn’t turn easily, do not force it. Check you have the correct pedal and are inserting it level at 90° to the crank arm.

3. Thread both pedals into the crank arm as far as you can by hand. Then fully tighten to 30Nm using the 15mm spanner.

HANDLEBARS AND STEM ADJUSTMENTS

1. Put the stem into the head tube and adjust the stem to the desired position. In the meantime, pay attention to the mini insertion line. Make sure the insertion line is inserted into the head tube and not visible. Tighten the stem bolt with the 6mm Allen key.

2. If you want to adjust the angle of handlebar, hold the handlebar to adjust stem forward or backward to ideal position. Then tighten the regulating bolt.

IT IS VERY IMPORTANT TO TIGHTEN ALL THE BOLTS FIRMLY USING THE ALLEN KEY.

SADDLE ADJUSTMENTS

1. Set your saddle height so that, when seated on the saddle with your hips level, you can tuck your toe under the pedal when that pedal is closest to the ground, and can get the balls of both feet firmly on the ground.

2. To adjust the saddle height, loosen the seat post bolt using the 4mm Allen key and slide the post up or down. Ensure the post is extended no further than the maximum mark shown on it. Tighten the bolt securely to 10NM with the 4mm Allen key.

3. To adjust the angle of the saddle, seat yourself on the saddle. Move the pedal cranks so that they are horizontal. Place the ball of your foot on the centre of the forward pedal. Ideally, your knee should now be directly over your ankle with your shin vertical. If your knee is behind your ankle, you will need to move the saddle forward. If your knee is in front of the ankle, you will need to move the saddle backwards.

4. The bike saddle is supported underneath by a “holder”. The holder allow you to slide the saddle forward or backwards. Use the 8mm Allen key to loosen the clamp that secures the saddle to the seat post. After positioning the saddle correctly, re-tighten the bolt to 20Nm.

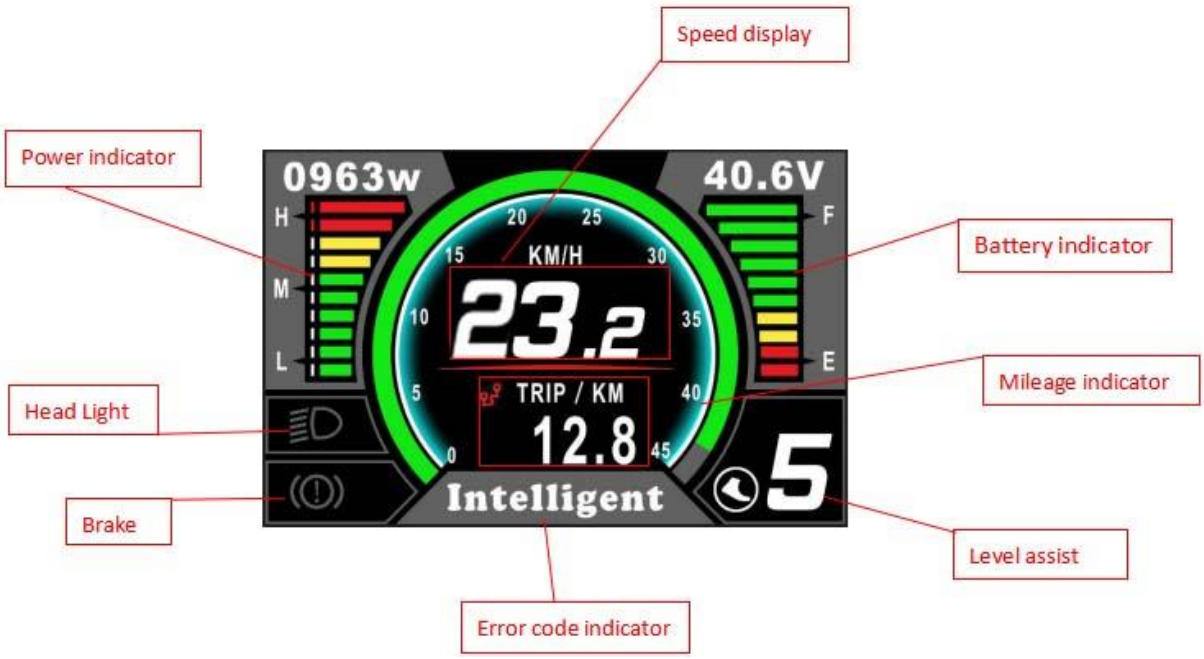
5. The seat clamp also allows you to raise or lower the nose of the saddle. Set this initially so the saddle is horizontal. Once you have ridden a few kilometres you may wish to adjust the nose for improved comfort.

IT IS VERY IMPORTANT TO TIGHTEN ALL THE BOLTS FIRMLY USING THE CORRECT TOOLS.

PRE-RIDE FINAL CHECKS

1. Check all nuts and bolts are adequately tight but do not over tighten. Pay particular attention to the wheels, saddle and handlebar bolts.
2. Check the tyre pressure, tyres should be inflated to 46-65psi, further details are listed on the sidewalls of the tyres.
3. Check that brakes and lights are working.
4. Read the Manual so you understand how to operate the power assist functions.
5. Check battery is locked in place, and turn on the Display Panel.

USING POWER ASSISTANCE MODE



USING POWER ASSISTANCE MODE

1. Press and hold POWER button for 1 second to turn on/off the display. The Display will automatically shut down when it is not in use.

2. Short press UP/DOWN button can change the assist level. Top assist level is 5, 0 for neutral. Levels can be adjusted according to the customer's requirements.

3. Short press on the POWER button can change the speed and mileage mode, TRIP >TIME >ODO > AVG SPEED > MAX SPEED.
   *If there is no operation for 5 seconds, display will return to speed display automatically.

4. Press and hold UP button for 1 second to turn on/off the headlight. The motor does not work when the battery voltage is low, although the headlight will remain on for a while.

5. Press and hold DOWN button for 2 seconds to get into walking mode, and release the button to stop the walk mode.

6. Press and hold UP & DOWN buttons together for 1 second to reset temporary data, temporary data includes AVG Speed / MAX Speed / Trip / Time.

7. Press M button for 2 seconds to get into setting menus, press UP/DOWN buttons to change the parameter setting, press M button to switch to next item. Press M button for 2 seconds to exit from menu.

   *Display will automatically quit menu when there is no operation for 30 seconds.
   *For safety reasons MENU can't be used when riding.
   *Display will quit Menu when you start riding.
   *Press UP/DOWN button to switch between Metric / Imperial.
   *Press UP/DOWN button to change the brightness of the backlight, | is darkness，|||| is brightness.
   *Press UP/DOWN button to change the auto power off time, from 1 to 9/OFF, the number represent time (minutes) to shutdown, OFF means disable auto off function, default value is 5 minutes.

ERROR CODE DEFINITIONS

When there is a warning message, the ⚠ icon shows on the screen, and an error code 21~30 appears at the bottom of the screen. For error code definitions see the table below.

Error Code	Error description	Handle
0x21	Current protection	Check controller.
0x22	Throttle error	Check turn to connect.
0x23	three-phase power error	Check three-phase power line connection
0x24	Hall error	Check the hall connection
0x25	Brake error	Check the brake connection.
26-99	Reserved	Please contact the manufacturer for error definitions
0x30	Communication Error	Check the cable connection

PLEASE NOTE!

- Your EMU electric bike can be considerably faster than a non-electric bike. Stopping distances will therefore be marginally longer. Please take the time to get to know your Emu electric bike before riding near traffic or pedestrians.
- Stopping distances in wet or icy conditions will be longer, so adjust your speed and expectations. Wet road markings can be particularly slippery.
- When braking ease both brakes on (rear brake slightly before front brake) for balanced braking, all the time responding to the feel of the bike.
- Avoid potholes, loose terrain, spills and obstacles.
- Do not carry adult passengers or overload the bike.
- With maximum power assistance, the battery will last approximately 30-110km, depending on battery choice.
- Various factors will affect the distance range. Expect a reduced range (of up to 25%) in winter due to cold weather. This is normal for lithium batteries and performance returns with warmer weather. It is advisable to keep the battery indoors at room temperature when cold outside. Other factors include:
  Total load, tyre pressure, rider input, power assist levels used, terrain, and frequency of speed changes. The power assistance means you can ride uphill with much less effort, although you will use up more battery power than merely riding on level terrain.
- To comply with EU/UK law the electric motor is controller restricted to a maximum speed of 25km/hr.
- We recommend that you have your Emu bike safety checked at a bike repair centre 3 to 4 weeks after purchase to ensure all nuts and bolts are securely fastened and brake and gear cables are correctly tensioned.
- Please download and read the complete Emu Bike Manual from our website .

We are here to help answer any queries, so please visit the website www.emubikes.com where you will find information on all aspects of the EMU electric bike and a phone number and email helpline if you need to speak to someone about your bike.

Enjoy riding your EMU electric bike!