



ORDICA

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ELECTRIC BIKE MANUAL - PLEASE READ ME FIRST!

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1. YOUR ORDICA SWIFT

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ORDICA SWIFT 26 INCH MIXIE/HYBRID - AVAILABLE IN RED/CHARCOAL/PALE BLUE

1. INTRODUCTION

For your safety and for the safety of others, we recommend that you obey all road regulations and wear a protective helmet. For optimal, safe and enjoyable use of your e-bike, make sure you thoroughly read this user guide before you first ride.

Have a pleasant ride

2. GENERAL INFORMATION

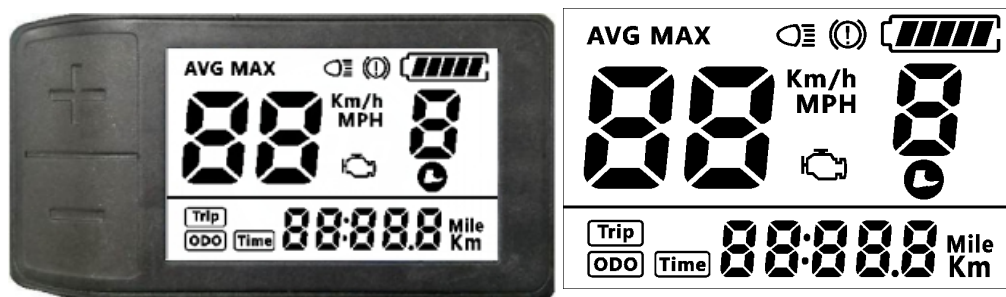
BIKE COMPONENTS	
Frame Material	Aluminum 6061 Alloy Mixie *420MM / Hybrid *460MM
Fork	Suspension Fork
Gearing	Shimano 7 Speed
Crankset	42T Crank Set
Shifters	Shimano Shifter
Rear Derailleur	Shimano Tourney
Brakes	Tektro Disc
Rim	26 Inch
Tyres	CST ZEPPELIN 26x2.0
Freewheel/Cassette	Shimano
Handlebars	City CM-5
Stem	Quick Adjustable
Grips	Comfort Grips
Seatpost /Saddle	Alloy/Plush Saddle
Pedals	Trekking Pedal
Weight	22.9kg Including Battery

ELECTRICAL COMPONENTS	
Display Unit	LCD Multi Function Display
Motor	200W Rear Drive
Drive/Sensor	Candice Sensor
Battery	DLI 36V 10.4Ah Li-Ion
Range Performance	Depend on Level of Motor Assist. Range 40~60km
Maximum Speed	25~27kph with Power Assist
Charging Time	2-6 Hours Depending on Battery Level Indicator
WARRANTY	
Frame	3 Years
Battery & Motor	1 Year
Bike Parts & Components	1 Year

3. ORDICA DISPLAY PANEL

Features:

- Multi function display panel.
- High Quality contrast matrix screen.
- Suitable for High & low temperature. Max +45/-10°C
- Ergonomic external button design, easy to operate, water resistance



- **Speed display** : AVG SPEED, MAX SPEED, SPEED(Real-time).
- **Kilometer**: speed display in KM.
- **Battery indicator** : Provide approx battery level indicator.
- **Up to 5-level Assist** : 5-level motor assist mode.
- **Mileage indicator** : Odometer/Trip distance/Riding time.
- **Power indicator** : real time power indicator, digital / analog.
- **Error code indicator**.

3.DISPLAY PANEL FUNCTIONS

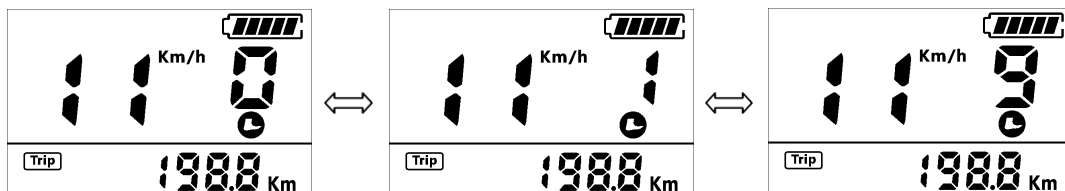
3.1 Power On/Off

Press and hold **Power** button for 1 second to turn on/off the display. The Display will automatically turn off when there is no operate & ride for 5 minutes.



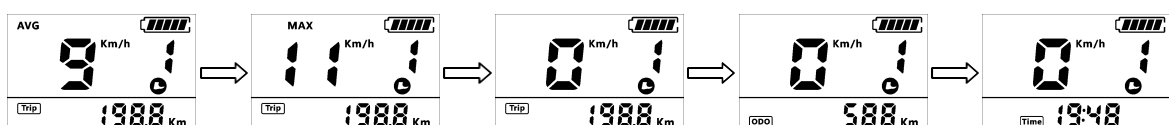
3.2 Motor Power Assist Level

Short press **UP/DOWN** button will change the motor assist level. Top assist level is 9, 0 for neutral. Level options can be adjusted according to the rider requirements.



3.3 Speed & Mileage Mode

Short press **MODE** button will change the speed and mileage mode, AVG SPEED→MAX SPEED→TRIP→ODO→TIME.



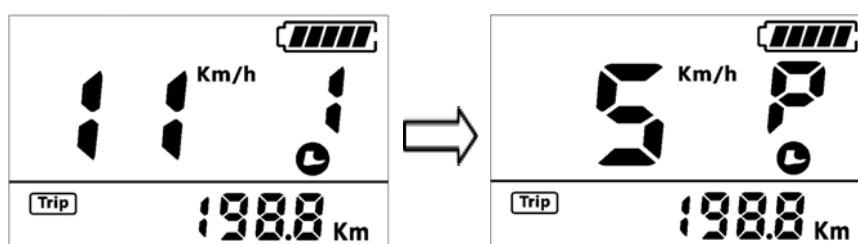
**If there is no operation for 5 seconds, display will return to Speed (Real-Time) display automatically.

3.4 Backlight On/Off

Press and hold **UP** button for 1 second will turn on/off the backlight.

3.5 Walking mode (6km)

Press and hold **DOWN** button for more then 2 second will activate walking mode, release the button to stop walk mode



3.6 Data Reset

Press and hold **MODE** buttons for 2 second. Then Set Cr to **Y** by pressing **+** Button to highlight Y. Press **MODE** again to clear data include **AVG Speed / MAX Speed / Trip / Time**.

* These temporary data will not erased by powering off.

4.DISPLAY PARAMETER SETTING

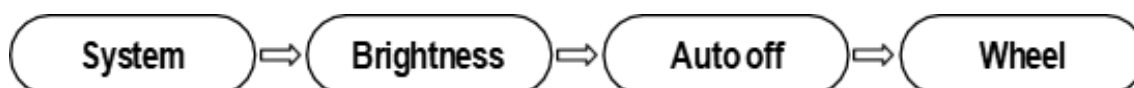
Press **M** button (press no less than 2second) get into setting menu, press **UP/DOWN** buttons to change the parameter setting, press **S** button can switch to next item. Press **M** (press no less than 2second) button will exit from menu.

* Display will automatically leave menu screen when there is no operation for 10 seconds.

* For safety, display MENU cant not be access when riding.

* Display will quit MENU when you start riding.


The order of parameters are as follows.



4.1 System : Press Up / Down button to move to next setting.

Please note that the above is for illustration only. **NOT all setting are accessible to change.**

5.ERROR CODE DEFINITION

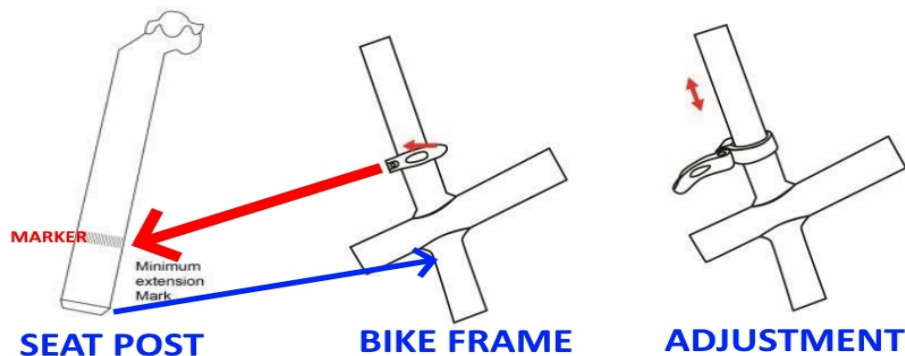
If error occurs , display panel will show warning ERROR code message,  icon on the screen, and show error code at the bottom of the screen, error code is from 01 E~0N E. The table below are the error definitions.

Error Code	Error description	Error display
0x01	Normal	No error
0x03	Brake signal	No error
0x04	Throttle on high position	Display 04H on speed position
0x06	Low voltage protection	Display 06H on speed position
0x07	High voltage protection	Display 07H on speed position
0x08	Motor's hall sensor error	Display 08H on speed position
0x09	Phase line of motor error	Display 09H on speed position
0x10	Controller over temperature	Display 10H on speed position
0x11	Motor over temperature	Display 11H on speed position
0x12	Current sensor error	Display 12H on speed position
0x13	Battery's temperature sensor error	Display 13H on speed position
0x14	Motor's temperature sensor error	Display 14H on speed position
0x21	Speed sensor error	Display 21H on speed position
0x22	BMS communication error	Display 22H on speed position
0x30	Communication error	Display 30H on speed position

6.REQUIREMENTS PRIOR TO EACH RIDE

6.1 QUICK-RELEASE DEVICES/SEAT POST/ BRAKES/ TIRE PRESSURE

Tighten the adjusting nut by hand and move the quick release lever to the closed position. You should feel considerable resistance while moving the lever. If not, re-open and re-tighten the lever, then move it to the closed position so it is in line with the frame.



***** SEAT POST HEIGHT- DO NOT GO ABOVE THE RECOMMENDED HEIGHT**

FOR TALLER RIDERS, PLEASE BUY LONGER SEAT POST 400MM.

******* DO NOT MOUNT ANY QUICK RELEASE RACK TO SEAT POST*******

WE KNOW FROM PAST EXPERIENCE THAT GOING ABOVE OUR
RECOMMENDED SEAT POST HEIGHT & ATTACHING QUICK RELEASE

RACK MAY DAMAGE THE FRAME. WE WILL NOT COVER UNDER
WARRANTY IF THE TOP SEAT POST FRAME CRACK OR BREAKS.

- Check that the brakes are all working properly. Check the pressure of the tires.
Make sure that the hinges on your bike are properly locked. When using the bike on a regular basis, the tension of the hinges' adjustment and locking systems will move slightly. Whenever necessary, adjust the tension again.

This bike is not designed for rough usage condition, such as jumps or stunts.

For your own safety, **DO NOT** modify the bike. **WARRANTY WILL VOID** for bike modification that may cause damage to the E-bike. **Please note: if you use the bike frequently, it is recommended that you inspect the state of the fork, the frame, the suspension and the fasteners. The materials and components may be subject to different reactions to usage and wear.**

7. SAFETY MAINTENANCE AND RECOMMENDATIONS

7.1 SAFETY RECOMMENDATIONS

Helmet

For safe riding- use of a bicycle helmet.

Tyres

Inspect the wear of your tyres on a regular basis and verify the tyre pressure at least once a month. Tyre pressure: depending on the weight of the user, check tire for PSI pressure.

Wheel-rims-spokes

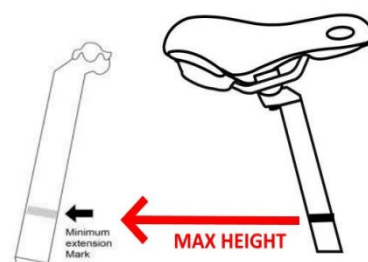
Please check regularly of spokes and rim-wear.

Brakes

Please check your brakes are working properly before attempting to ride the e-bicycle. Secure the front wheel to the bicycle by tightening the quick release mechanism and clamping the lever to the closed position. Important: braking distance increases on humid or slippery ground.

Saddle-post

Do not go above the recommended height. For taller rider please buy the right size frame ORDICA ebike or use longer 400mm seat post. **DO NOT** mount rack on seat post.



Reflector

Positioning of reflectors and lights such that these are not obscured when pannier is attached to the rack carrier.

Gears

Like the chain, the freewheel must be kept clean and well lubricated. If the chain has become worn and needs replacing, then it is likely that the freewheel will also have become worn and should also be replaced. Take the chain off the freewheel and rotate it with your hand. If you hear a grinding noise or the freewheel stops suddenly after spinning it, it may need adjustment .

Carrier /Rack

Maximum load: 25kg. This carrier is not designed to pull a trailer. Don't install the child-seat on the carrier. The bicycle may behave differently (particularly with regard to steering and braking) when the carrier is loaded. Please ensure that any pannier fitted to the carrier is securely fitted in accordance with the manufacturer's instructions and that there are no loose straps that can get caught in any of the wheels.

Rack

The rack is able to hold a maximum, evenly balanced load of 25kg.

Signaling device /Bell

The bike is silent. In order to alert others as to your presence, you have a signaling device(Bell): use it only when absolutely necessary, don't abuse it!

WARNING: As with all mechanical components, the bicycle is subjected to wear and high stresses. Different materials and components may react to wear or stress fatigue in different ways. If the design life of a bike component has been exceeded, it may suddenly fail possibly causing injuries to the rider. Any form of crack, scratches or change of coloring in highly stressed areas indicate that the life of the component has been reached and it should be replaced.

LUBRICATION

Frequency	Component	Lubricant	How to Lubricate
Monthly	Chain	Chain Lube or Light Oil	Brush On or Squirt
	Derailleur Pulleys	Chain Lube or Light Oil	Brush On or Squirt
	Deraillleurs	Oil	Oil Can
	Brake Calipers	Oil	3 drops from oil can
	Brake Levers	Oil	2 drops from oil can
Monthly	Shift Levers	Lithium Based Grease	
Every Six Months	Freewheel	Oil	2 squirts from oil can
	Brake Cables	Lithium Based Grease	Disassemble
Yearly	Bottom Bracket	Lithium Based Grease	Disassemble
	Pedals	Lithium Based Grease	Disassemble
	Derailleur Cables	Lithium Based Grease	Disassemble
	Wheel Bearings	Lithium Based Grease	Disassemble
	Headset	Lithium Based Grease	Disassemble
	Seat Post	Lithium Based Grease	Disassemble

Note: The frequency of maintenance should increase with use in wet or dusty conditions. Do not over lubricate - remove excess lubricant to prevent dirt build up. Never use a **degreaser** to lubricate your chain.

Service Checklist

Frequency	Task
Before every ride	Make sure battery are fully charged Check tire pressure Check brakes Check wheels for loose spokes
After every ride	Be sure to fully charge battery Quick wipe down with damp cloth
Monthly	Inspect wires Inspect connectors Check derailleur adjustment Check brake adjustment Check brake and gear cable adjustment Check tire wear and pressure Check wheels are true and spokes tight Check hub, head set and crank bearings for looseness Check pedals are tight Check handlebars and stem are tight Check seat and seat post are tight and comfortably adjusted Check frame and fork Lubrication as per schedule Perform safety check
Every six months	Lubrication as per schedule Check all points as per monthly service Check and replace brake pads, if required Check chain for excess play or wear Book general bike service (ORDICA electric bike dealer)
Yearly	Lubrication as per schedule Book general bike service (ORDICA electric bike dealer)

MAINTENANCE

Caution

Bike maintenance and repair require specific skills and appropriate tools. Do not repair your bike or change any of its settings if you have the slightest doubt regarding your ability to correctly proceed with such work. Contact your dealer. Any adjustments or repairs that are not properly done can damage the bike and lead to accidents resulting in injuries. Using only genuine replacement bike parts for safety-critical components;

Electric Bicycle - Cleaning

Always remove the battery when cleaning. Use soapy water or water mixed with a gentle detergent, and then rinse with clean water. Make sure all electrical components are wipe clean and dry from any water or moisture.

Store your ORDICA electric bicycle inside and do not leave outdoor for long period of time.

DO NOT USE HOSE OR HIGH PRESSURE WASHER!



DO NOT use a Hose or High Pressure Washier to Clean Bike!

8.BATTERY

INSTALLING AND REMOVING THE BATTERY

To remove the battery, use key and turn anti clockwise the lock which is located along the lower frame. Remove the battery by lifting it out with the key is turned. To put the battery back into place, insert the battery then gently push down against the frame until you hear a click.



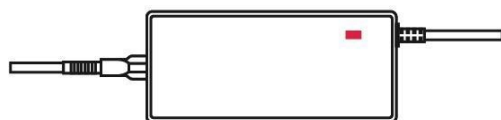
CHARGING THE BATTERY

Never let a battery be charged unattended. We recommend charging battery during the day and NOT over night. The battery's voltage is indicated by the LED lights

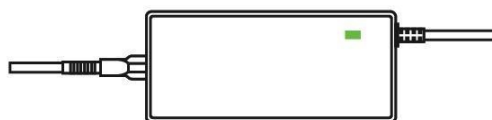
located on the battery, and also on the display unit located on the handlebar. Your battery must be charged in an ambient temperature, on a non-flammable and dry surface, away from any sources of heat, humidity or flammable materials. Also, it must not be covered.

Here are the steps to be followed when charging your battery:

Step 1	Remove battery from the bike.
Step 2	Plug the charger into the socket and then insert the charger's plug into the battery, which is also off.
Step 3	<p>The charger's LED indicators lit up in the following manner:</p> <ul style="list-style-type: none"> • The red LED light will be on: (A) the battery is being charged. • The red LED light becomes green : (B) the battery is fully charged; You can unplug the charger.



(A)



(B)

It takes 2-8 hours for the battery to be fully charged when using the standard charger that's supplied with your bike. Will Vary depending on battery capacity.

BATTERY AUTONOMY AND LIFESPAN

Autonomy

The bike's autonomy ranges from 40 to 60 kilometers, as it depends on many different factors (degree of assistance used, , rider's weight, frequent stops/start-ups, hills, tyre pressure, etc....)

Battery

Your battery is just like a household battery. It contains a limited amount of energy, which diminishes as it is being used over time. Ordica battery comes with 2 Year limited warranty.

Maintenance



If you don't use your bike for a period of time exceeding 2 months, store it in a humidity-free area to protect the electronic components and make sure that the battery is neither completely charged nor completely discharged .(1 or 2 green LEDs lit up)

Note: *Never store a completely discharged battery as it might result in permanent damage. During the winter or long storage periods, it is recommended that you charge the battery halfway every 2 months. Don't forget to switch it off. Store your battery at a temperature between 15° and 25°.*

BATTERY SAFETY INSTRUCTIONS

The battery is an electric component made up of chemical elements. For your safety, it is imperative that you obey the following rules:

- Always handle with great care;
- Always keep it away from children;
- Do not take it apart or hit, pierce or submerge it;
- Keep it away from temperatures exceeding 50°
- Never create a connection between the contacts located at the bottom of the battery;
- Never let the battery charge unattended;
- Never sleep near a battery that is charging;
- Only use the charger that came with your ORDICA or that was supplied by your dealer;
- If your battery is damaged, do not use it and take it back to your dealer as soon as possible

SAFETY MAINTENANCE AND RECOMMENDATIONS

SAFETY RECOMMENDATIONS

Helmet

For safe riding- use of a bicycle helmet.

Tyres

Inspect the wear of your tyres on a regular basis and verify the tyre pressure at least once a month. Tyre pressure: 40-50 PSI depending on the weight of the user.

Wheel-rims

Please take care of the wheel-rims and a clear of any danger of rim-wear.

Brakes

Please check all connections of the Brakes before attempting to ride the bicycle. Secure the front wheel to the bicycle by tightening the quick release mechanism and clamping the lever to the closed position. **Important: braking distance increases on humid or slippery ground**

Saddle-post

Suitable covering and coil springs are needed under the saddle if a child-seat is fitted to prevent trapping of fingers.

Reflector

Positioning of reflectors and lights such that these are not obscured when pannier is attached to the rack carrier.

Gears

Like the chain, the freewheel must be kept clean and well lubricated. If the chain has become worn and needs replacing, then it is likely that the freewheel will also have become worn and should also be replaced. Take the chain off the freewheel and rotate it with your hand. If you hear a grinding noise or the freewheel stops suddenly after spinning it, it may need adjustment .

Carrier /Rack

Maximum load: 25kg. This carrier is not designed to pull a trailer. Don't install the child-seat on the carrier. The bicycle may behave differently (particularly with regard to steering and braking) when the carrier is loaded. Please ensure that any pannier fitted to the carrier is securely fitted in accordance with the manufacturer's instructions and that there are no loose straps that can get caught in any of the wheels. Please distribute pannier evenly between the two sides of the carrier.

Rack

The rack is able to hold a maximum, evenly balanced load of 25kg.



Signaling device /Bell

The bike is silent. In order to alert others as to your presence, you have an approved signaling device(Bell): use it only when absolutely necessary, don't abuse it!

WARNING: As with all mechanical components, the bicycle is subjected to wear and high stresses. Different materials and components may react to wear or stress fatigue in different ways. If the design life of a component has been exceeded, it may suddenly fail possibly causing injuries to the rider. Any form of crack, scratches or change of coloring in highly stressed areas indicate that the life of the component has been reached and it should be replaced.

MAINTENANCE

Caution

Bike maintenance and repair require specific skills and appropriate tools. Do not repair your bike or change any of its settings if you have the slightest doubt regarding your ability to correctly proceed with such work. Contact your dealer. Any adjustments or repairs that are not properly done can damage the bike and lead to accidents resulting in extensive injuries. Using only genuine replacement parts for safety-critical components;

Cleaning

Always remove the battery when cleaning. Use soapy water or water mixed with a gentle detergent, and then rinse with clean water. Make sure that the controller located behind the battery compartment is not exposed to humidity as it contains electronic components. **Do not use a high pressure washer!**

Maintenance

Used parts must be disposed of in appropriate selective sorting recycling bins. A battery that no longer works must be returned to your dealer so that he may pass it on to a recycling company.

Engine/Motor:

The motor does not require any sort of maintenance.

Chain:

It is recommended that you lubricate the bike's 7 speed gearwheels and chain on a regular basis using appropriate products (ask your dealer for advice).

ACCESSORIES - OPTIONAL EXTRAS

Helmet

Baskets

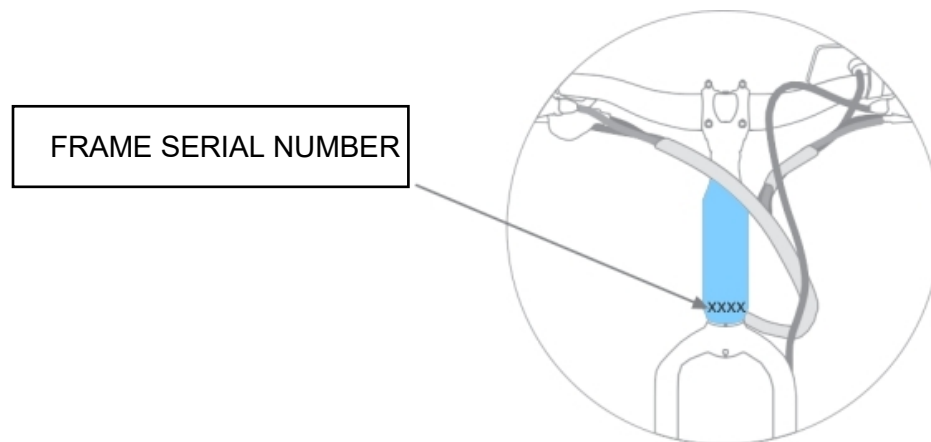
Storage pouch

To order these accessories, get in touch with your dealer

Using only genuine replacement part for safety-critical components.

WARRANTY

Your bike comes with 3 years frame warranty and 2 years on motor and battery and 1 year on bike parts. **Warranty is not transferable**. Details regarding the warranty coverage terms is available from your dealer. Please make sure that you register your bike [serial number to activate warranty](#). The serial number is located in front of the head tube. Please note that it is still your responsibility to keep record of the frame number incase your bike is stolen.

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