



Owner's manual





Congrats on your brand-new Southbound Oryx!

Get ready to e-bike anywhere .

You're about to unbox a robust, versatile and hugely capable e-bike. We hope your Oryx brings you many years of battery-powered peddling pleasure, from pathway to precinct to bush, beach and back.

This manual contains useful information about your Oryx. Please read and fully understand its contents before assembling and riding your bike. Failure to do so may result in your warranty being voided.

Enjoy the ride!



Snap and share

We'd love to see all the places you've taken your new Oryx. Tag us in your social media posts with the handle **#southboundbikes** and you might just score yourself some free Southbound gear.

Contents

01

Safety

page 6

02

Quick start guide

page 8

03

Using the display screen

page 9

04

Cleaning and maintenance

page 10

05

Battery care tips

page 11

06

Spec sheet

page 14

07

Southbound limited warranty

page 17



01

Safety.

Riding any bike on or off-road is inherently risky. Remember to always put safety first and ride within your capabilities.

If your kids use your Oryx, please supervise them. These bikes are powerful and heavier than analogue bicycles, so they will handle and brake differently.

Always wear a helmet when riding your Oryx and ensure it fits well. We recommend using a quality helmet manufactured by a reputable brand. Using a low budget helmet to protect such a vital part of your body makes zero sense.



Before you power up and pedal off

Check your tyres, test the brakes and make sure that the battery is sufficiently charged. There shouldn't be any rattles or odd noises when you start to ride.

E-bikes are heavy — pushing them home is not fun. If you're unsure about anything, reach out to Southbound or book in your Oryx at your local bike service shop for professional service and advice.



Power down

Never work on your bike with the power on. Changing tyre pressure, fixing a puncture, replacing an off chain or applying chain lube should only be done with the power off.



Check your tyres

Both front and rear wheels should be tightly fitted and tyres inflated to the appropriate pressure.

0.8 - 1.0 Bar for medium and hard surfaces.

0.4 - 0.6 Bar for soft surfaces.



E-bike, not e-boat

Never ride your Oryx through fresh water deeper than the top of your wheel rim. This will risk water entering the electrical system, which can cause severe damage and could potentially cause injury to riders.



Avoid salt water at all costs

Never ride your Oryx through salt water — it is highly corrosive and detrimental to all e-bike parts and frames, as well as the electrical system. So, when riding on the beach, do not let your bike come into contact with sea water.



02

Quick start guide ,

Get set

Set your seat to the correct riding height. The general rule of thumb is that when your leg is at full extension, there should still be a slight bend in your knee with your pedal at 5 'o clock, not dead bottom.

Get powered up

Switch on your Oryx by pushing and holding the power button on your display screen. Your bike will engage pedal assist in either level zero or 1 by default. Start cycling on level 1 and increase pedal assistance power levels thereafter.

Get going

Start pedalling with your legs or use your throttle button briefly to gain some momentum. Power will not be supplied to the motor if you stop pedalling or if you hit the brakes.

Get into gear

Your Oryx's gearing can be changed on the right-hand side of the handlebar by using the rapid fire paddles. Pushing the front paddle will engage lower gears — making it easier to ride up hills. Conversely, depressing the rear paddle will engage higher gears, suitable for flatter, faster riding.

Your Southbound Oryx is still a bicycle. The motor and battery are there to assist you, and shouldn't be used as a 'motorbike' by only pressing the throttle button and not using your legs to peddle.

Switch off your Oryx when you are finished riding and stow it in a safe place away from direct sunlight or excessive humidity.



03

Using the display screen

The three buttons on the left will allow you to toggle the display between your current PAS level, battery level, current speed and the power the motor is currently using.

1

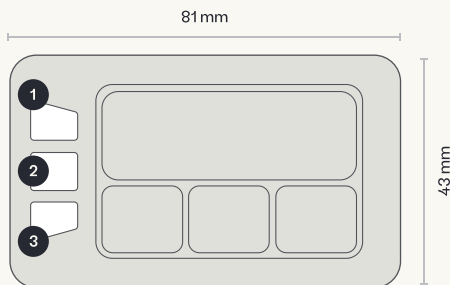
The **top button** will increase the level of pedal assisted speed (PAS). The maximum level is 5.

If your e-bike is fitted with a light, press and hold the top button for a couple of seconds to **switch the light on and off**.

2

The **middle button** is the power switch. Press and hold this button for the screen and e-bike to switch on.

This button can also be used to view the total time, total distance, max speed and average speed.



3

The **bottom button** will decrease the level of PAS. If you want to cycle with the PAS functionality off, select level 0.

Your Oryx has a thumb throttle. However, pressing and holding the bottom button on the display will activate "**walk assist**", which is the same as using the thumb throttle.



04

Cleaning and maintenance,

Keeping your Oryx clean and well maintained is essential to years of trouble-free riding.

Keep it clean.

Clean your bike when its dirty using a damp cloth, mild detergent and a scrubbing brush for the drive chain.

Avoid using excessive water around the battery area, display screen, electrical connections and harnesses. **High pressure sprayers are a big no-no.**

Keep it in good nick

Your Oryx will require regular maintenance over time, which may include replacing brake pads, worn sprockets, chains or cassettes, and adjusting the cables as they stretch. Maintenance can be done by any reputable bike outlet or service centre.

Keep it running smoothly

Apply chain lubricant to your bike's chain after every wash. You can buy purpose-specific solvents for cleaning old chain lubricant off your derailleur, cassette and chain online or from your local bike outlet.

Keep to accredited agents only

Any required maintenance to your Oryx's electrical system (display screen, battery, motor, throttle, control unit, various sensors or any wiring) should only be performed by an accredited Southbound agent.

Southbound may not honour your warranty for work done to the electrical system outside of the network of accredited agents.



05

Battery care tips ,

1

Check your battery status

The battery charger light will shine red if the battery is still charging and change to green when it has fully charged.

2

Charge before you ride

Ensure your battery is fully charged before starting your ride.

Check that the rubber cap is properly inserted back into the charging port before you ride. This will prevent any moisture and water from entering your bikes electrical system and potentially damaging it.

3

Battery storage

If you do not plan to use your Oryx will for three weeks or longer, it is preferable to store your bike with the battery partially charged.

4

Limit your ride time

Limit your ride time so that your battery does not drop below 20% capacity.

Battery performance

Your bike's battery carries a tremendous amount of power, but it isn't infinite. Battery consumption will vary according to the following main factors:



Terrain

Muddy or sandy terrain will use a lot more power than hard, smooth surfaces.



Topography

The steeper the climb, the more power will be used.



Distance

Longer rides use more power than shorter rides.



Rider weight

Weight has an impact on power. Lighter riders will have more power at their disposal.



Level of pedal assistance (PAS)

Level 5 PAS will use a lot more power than riding in PAS 1 or 2.

Depending on these factors, the range of the battery will last between

30-85

kilometers



After a few rides, you should have a good idea as to how far you can go and return with at least some remaining battery power.



**e-bike
anywhere**

06

Spec sheet,



The Oryx is the 4x4 of e-bikes, designed and developed to conquer any type of terrain. From beach and dune, mud and rock, tar and gravel, the Oryx's all-round capabilities will take you wherever you want to go, easily.

COLOUR OPTIONS



OPTIONAL EXTRAS

100 mm Travel air fork



BATTERY

48 volt, 14 AH LG lithium battery



MAX PAS SPEED

38 km/h



BIKE WEIGHT

29 kg



RIDER DIMENSIONS

160 – 200 cm



ENDURANCE

Up to 85 km



MOTOR

48 volt 500 watt BAFANG rear hub
(up to 85 Nm torque)

Thumb throttle

Speed sensor

Visit southboundbikes.com
to buy compatible accessories.

Product comparison



oryx.



dik-dik.



kudu.



eland.

ELECTRIC COMPONENTS

Battery	48 volt, 14 AH LG lithium battery.	48 volt, 14 AH LG lithium battery.	48 volt, 14 AH LG lithium battery.	48 volt, 14 AH LG lithium battery.
Motor	48 volt 500 watt BAFANG rear hub (up to 85 Nm torque).	48 volt 500 watt BAFANG rear hub (up to 85 Nm torque).	48 volt, 500 watt ANANDA midrive M100 (up to 100Nm torque).	48 volt, 500 watt ANANDA midrive M100 (up to 100Nm torque).
	Thumb throttle.	Thumb throttle.	Thumb throttle.	Thumb throttle.
	Speed sensor.	Speed sensor.	Torque sensor.	Torque sensor.
Display	KEY DISPLAY, 5 speed pedal assist with app integration.	KEY DISPLAY, 5 speed pedal assist with app integration.	KING METER 5236, 5 speed pedal assist.	ANANDA D10, 5 speed pedal assist.
	USB charging port.	USB charging port.	USB charging port.	USB charging port.
	Water and dust resistant IP65.	Water and dust resistant IP65.	Water and dust resistant IP65.	Water and dust resistant IP65.
Controller	LISHUI with water resistant plugs.	LISHUI with water resistant plugs.	ANANDA M100.	ANANDA M100.
Endurance	Up to 85 km	Up to 85 km	Up to 85 km	Up to 85 km

PARAMETERS

Bike weight	29 kg	27 kg	26 kg	25 kg
Rider dimensions	160 – 200 cm	160 – 200 cm	160 – 200 cm	160 – 200 cm
Charging time	4 Amp charger 4 hrs 15 min	4 Amp charger 4 hrs 15 min	4 Amp charger 4 hrs 15 min	4 Amp charger 4 hrs 15 min
	2 Amp charger 8 hrs 30 min	2 Amp charger 8 hrs 30 min	2 Amp charger 8 hrs 30 min	2 Amp charger 8 hrs 30 min
Max PAS speed	38 km/h	38 km/h	38 km/h	38 km/h

Product comparison



oryx.



dik-dik.



kudu.



eland.

BIKE COMPONENTS

Frame	Aluminium, laser welded with drain port.	Aluminium, laser welded with drain port and rear rack.	29 Inch 6061 alloy aluminium.	65 mm Travel Rockshox deluxe select rear shock.
Drivetrain	SHIMANO 9 speed rapid fire shifter.	SHIMANO 7 speed twist grip shifter.	SHIMANO deore 10 speed rapid fire shifter.	SHIMANO deore 10 speed rapid fire shifter.
Brakes	Hydraulic disc brakes.	Hydraulic disc brakes.	Hydraulic disc brakes.	Hydraulic disc brakes.
Chain	Rust Buster KMC Chain. Stainless steel spokes.	Rust Buster KMC Chain. Stainless steel spokes.	Rust Buster KMC Chain. Stainless steel spokes.	Rust Buster KMC Chain. Stainless steel spokes.
Front fork	Rigid or optional 100 mm travel air fork.	90 mm Travel air fork.	100 mm Travel PEAK hydraulic lockable front fork.	140 mm Travel ROCKSHOX recon silver RL.
Wheels & tyres	Aluminium. 26"x 4.0" fat tyre.	Aluminium. 20"x 4.0" fat tyre.	Aluminium. 29" x 2.25"	Aluminium. Front: 29 " x 2.35" Rear: 27.5" x 2.35"

* Final specifications may differ marginally

WE ONLY USE QUALITY PARTS:





07

Limited warranty

Please read the warranty information carefully.

How it works

The Southbound limited warranty covers manufacturing faults in materials or workmanship on all new e-bikes in possession of the original owner, from the date of purchase.

For valid warranty claims that occur within the **first 14 days from date of purchase**, Southbound will cover the reasonable cost of labour involved in rectifying the fault.

After the 14 day free labour repair period, the owner will be responsible for the labour costs associated with warranty replacements.

18 months

Electrical components

30 months

Bike frame



Any parts to be replaced to rectify a valid warranty claim will be shipped to the customer or bike dealer by Southbound.

This warranty will not cover:



Wear and tear from ordinary use.



Water damage from riding or washing your e-bike.



Damage to the frame, components or electrical system resulting from improper use.



Damage as a result of failing to maintain your bike as suggested in this manual.



Damage resulting from operating the bike outside of the maximum recommended parameters as per the detailed spec sheet in this manual.

This warranty is limited because the sole remedy provided is limited to the replacement part or component, and if applicable, the labour cost as described in our 14 days free labour period.

Southbound will in no way be liable for any consequential, incidental or other costs or damages including but not limited to damages for personal injury, property damage or economic losses, whether based on contract, warranty, negligence, product liability or any other theory.

The following are examples of ‘wear and tear from ordinary use’ and are not covered by the warranty:

- punctures, flat or worn tyres,
- broken spokes,
- worn brake pads,
- chains — expect to replace chains every 1 500 km approx. (depending on rider weight, PAS levels and riding conditions),
- chain wheels, sprockets, bottom brackets, derailleur hangers and jockey wheels,
- sliding bearings and other bearings,
- lights and lighting systems,
- broken kickstands,
- worn handlebar grips,
- replacement hydraulic oils and lubricants,
- gear shift and brake cables,
- paint and parts finishes e.g. scratches and dents,
- rust to the frame, rims and drive train resulting from improper use and maintenance,
- battery management systems (BMS) that have fused or shorted resulting from power surges or load shedding. We strongly recommend using a surge arrestor to protect the BMS,
- cracked frames or carriers damaged resulting from improper use, e.g. seat post shims not inserted properly or exceeding carrying capacity of racks.



Warranty claims

All warranty claims must please be emailed to info@southboundbikes.com with a brief description and video/photos depicting the fault.

