

**RAITH**



ROCKET  
**USER GUIDE**



## WARNING: DO NOT RIDE YOUR BOARD UNTIL YOU READ THIS IMPORTANT INFORMATION

Your board has the potential to lose power and braking at any time due to: interference between your remote and the board, dropping or damaging your remote, a fully discharged remote, braking for too long when the battery is fully charged and other factors. You should only ride your Raith within your means and at speeds and terrain where you're comfortable without power and brakes.

Hills and high speed riding can be extremely dangerous as a crash could result in serious injuries or death. Be extra careful when riding your board, always ride within your means and with safety equipment – including but not limited to a helmet and knee/elbow pads, and appropriate footwear – even if you are an experienced rider.

Whilst measures have been taken to prevent overcharging through our battery charge buffer and alarm features, care must be taken to ensure you always ride within your means and on hills you are comfortable without power and brakes. Extended braking downhill on a full battery charge has the potential to cause a shut-down and loss of braking power to prevent overcharging the battery.

Other vehicles have the potential to seriously injure or kill you. Always be mindful and aware of your surroundings when riding around other vehicles. It's important to assume that other vehicles cannot see you, and you should ride accordingly always being safe. Please obey all laws regarding the use of your board on public roads, bike paths, footpaths or other places.

Do not ride your Raith in wet or icy conditions. Whilst the board has been designed to handle a light amount of water, it has the potential to cause damage to your board which is not covered under warranty. Riding in wet or icy conditions is extremely dangerous and has the potential for serious injury or death from a loss of traction and control. Do not submerge your board or any part in water.

Riding at night time or in areas with poor visibility increases the risk of an accident, if you need to ride in these conditions, please use appropriate lighting to ensure you are both visible to others, and that you can see the road ahead.





## **CONGRATULATIONS ON YOUR PURCHASE!**

From all of us at Raith, we wanted to thank you for choosing us. We are excited to welcome you to the Raith team!

Raith Skateboards are an exciting product and will provide you with endless fun. Please read ALL the information within before you begin using your equipment.

**YOUR RAITH ROCKET**

## RAITH ROCKET

The Raith Rocket is the ultimate urban commuter. Measuring in at 30.9" long and 9.5" wide it gives you a great stable platform for manoeuvring around the busiest of cities.

With a kick-tail, you can accelerate hard in a jiffy and the tail will keep you locked into the board.

### DIMENSIONS

**LENGTH** 876MM

**WIDTH** 243MM

**WEIGHT** 7KG

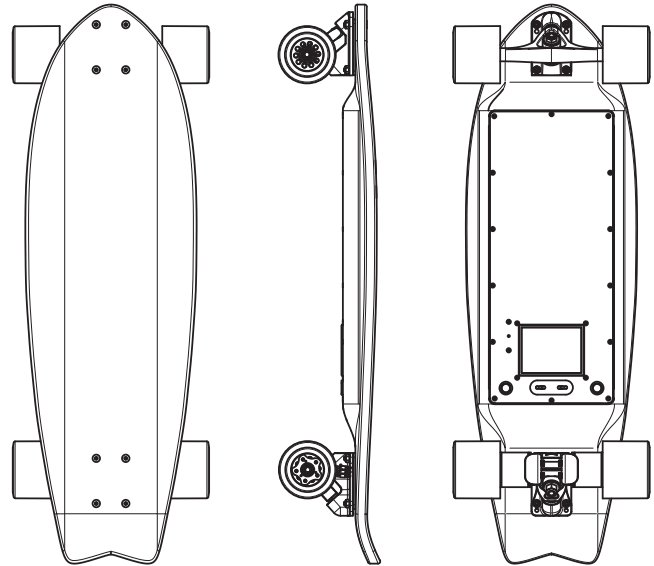
### POWER-TRAIN

**MOTORS** DUAL 4.8KW RATED RAITH  
DIRECT DRIVE

**BATTERY** 5AH HIGH DISCHARGE  
BATTERY PACK

**WHEELS** 80MM 88 WHEEL CO.  
MAVERICK PRO WHEELS

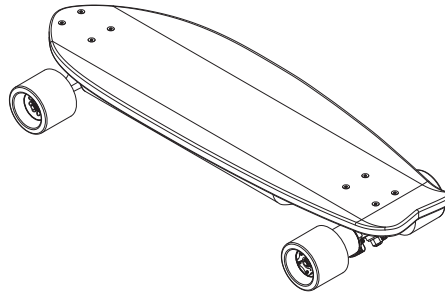
**TRUCK** PARIS 50° V3 SCARLETT RED  
FRONT, PRECISION CNC  
SCARLET RED 42° REAR



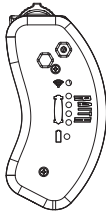
**WHAT'S IN THE BOX**



## WHAT'S IN THE BOX



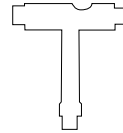
Raith Rocket



Knuckle-Duster Remote



Micro-USB Cable



Skate Tool



Charger

**RAITH CHARGER, BMS (BATTERY  
MANAGEMENT SYSTEM), ALARM AND  
BATTERY**



**WARNING:** Only use the included Raith Rocket charger with your battery pack, using any other charger is not supported, may damage your battery and void your warranty.

## CHARGING THE BOARD

Your battery pack has been designed only to operate with the included Raith Rocket charger, it operates at a specific voltage for your Rocket board.

**BEFORE USING** the board, allow the battery to be **FULLY CHARGED**.

**Chargers from other RAITH models or other manufacturers must not be used to charge this board.**

Connect power to the charger by inserting the charger plug into a power point. Now remove the rubber grommet from the charger port on the board and insert the charger plug.

The charger will show:

GREEN LIGHT	=	FULLY CHARGED
RED LIGHT	=	CHARGING

Once the board is fully charged (the light on the charger will turn green) remove the charge plug from the board, re-install the rubber grommet on the board and remove the plug from the power point.

## BATTERY

Your Raith Rocket houses a high capacity, lithium-ion battery pack.

Sensors measure different aspects of the battery pack and communicate this to your Raith Rocket BMS to ensure the battery is always running at optimal levels.

### Hot Weather

When riding your Raith in temperatures above 40°C (104°F) your BMS (battery management system) will alarm, it will then shut off when temperature exceeds 45°C (113°F), this is to keep your battery pack protected from overheating.

In the event this happens, please wait for the battery to cool down before riding again.

### Cold Weather

When riding in colder weather around 5°C (41°F), you may notice a reduction in range due to how lithium batteries operate in cold weather situations.

## Alarm

Your skateboard is fitted with an audible buzzer/alarm in case of the following:

- Battery/Cell high voltage
- Battery/Cell low voltage
- Cell difference voltage
- High/Low Battery Temperature

A constant sounding alarm will sound if your board is approaching a high voltage in which your BMS will cut power to the battery and lose regenerative brakes. If you hear a constant sounding alarm, stop using regenerative brakes and use a mechanical method of braking immediately to arrest speed, discharge your battery more before using regenerative braking again.

An alternate sounding alarm (1 sound evenly after the other) will sound if your board is approaching a low cell/battery voltage. Continued use past the low voltage alarm point will cause the BMS to protect the battery once the voltage reaches cut off voltage. This will cut power to the ESC and cut torque to the wheels. The rider will experience a jolt, it is not recommended to continue riding the board once the rider has reached the low voltage alarm.

An alternate sounding alarm (2 sounds followed by a break) will sound if your battery is approaching a temperature cut-off limit (too hot or too cold). The high temperature alarm will sound at 40° celsius before cut off at 45° and the low temperature alarm will sound at 5° Celsius before cut off at 0°. If you hear this alarm, stop your skateboard safely and either cool it down or heat it up depending on what conditions you are operating in. Your board is not recommended nor possible to function in conditions above 45° C or conditions below 0° C as damage to the battery may occur.

## Lower Voltage Alarm

Once the lower alarm voltage has been reached, recharge your board to avoid cell voltages dropping into a range which may damage them (below 3.0V per cell may cause permanent damage to the cell) or enter a non-recoverable voltage.

When storing your board for long periods of time, charge your cells to approximately 3.8V per cell (when the remotes 3rd or 75% boards battery indicator light starts to flash intermittently on the controller when the battery is charging) to ensure the longevity of your battery.

**DO NOT LEAVE YOUR ELECTRIC SKATEBOARD IN DIRECT SUNLIGHT, THIS MAY HEAT THE BATTERY TO A TEMPERATURE WHICH MAY PERMANENTLY DAMAGE IT**

## REGENERATIVE BRAKES

Regenerative brakes are a feature of this skateboard but are only available when the battery is able to absorb charge. I.e. not in a 100% fully charged state. When using the board after fully charging it, do not ride down hills and use regenerative brakes in a heavy and consistent way, the BMS may protect the battery from overcharging and cut the power to the battery which will cause the rider to experience loss of regenerative brakes. When the battery is fully charged, do not exceed a speed in which you couldn't run off to a stop if a brake cut off event were to occur. Discharge the battery a little before using regenerative braking.

The rider should always be capable of stopping the board in a mechanical way in the event of a regenerative brake failure or electronics failure. Mechanical ways of stopping include foot braking and sliding. If you aren't capable of these mechanical ways of stopping, do not ride faster than a speed you could run off to a stop.

The battery charger will charge each individual cell to approximately 4.15V per cell. The high voltage cut off is 4.25V per cell. This means there is a small buffer of energy the battery can absorb at full charge before a brake cut off event occurs. Keep this in mind when using regenerative brakes. Do not use regenerative brakes heavily on a full charge as you may exceed this buffer and experience brake cut off.

If you plan to use large amounts of regenerative brakes from the beginning of your ride (for instance in racing or riding down a large hill) only charge your battery to approximately 90% so the battery can absorb the charge.

Further technical breakdown:

The battery charger will charge each individual cell to 4.15V (if the battery is charging as intended). An alarm will sound when a cell reaches 4.2V (constant sounding) and cut off will occur at 4.25V per cell. A buffer of 0.1V per cell has been engineered to allow “some” regenerative braking at full charge. If you hear a constant sounding alarm, your BMS is approaching cut off voltage, stop using regenerative braking and arrest speed with a mechanical method of braking instead.

If your battery is getting old, some cell voltages may differ causing some cells to have a higher or lower voltage. If you notice the high voltage alarm is being activated during charging. You may have a cell that is not behaving/charging like the rest of the battery cells, which may indicate your battery needs replacing.

## **ROLL TO START**

Your Rocket electric skateboard is fitted with a smart switch which enables the roll to start feature. To turn on your skateboard this way, either spin a wheel by hand, or place the skateboard onto the ground and push along to turn on the board.

## **REAR AXLE TEMPERATURE**

Continued heavy use of yellow and red torque modes may cause the rear hanger/motor assembly to reach a temperature where heat protection will be enabled. Stay clear of the rear axle assembly when it is at elevated temperatures to avoid burns to the skin. Temperature protection begins when the hanger temperature reaches 80° celsius and finishes at 92° Celsius. This means the torque available will start to be reduced at 80° celsius all the

way to zero torque available when the hanger reaches 92° Celsius. 92° celsius being the breakdown temperature of urethane, which are what hanger bushings are made from.

Be aware a potential loss of regenerative brakes will also be present when the rear hanger is within the temperature protection range. When your rear hanger begins to enter temperature protection range, which will be noticeable by a distinct lack of torque available, slow to a stop and let your hanger cool down before proceeding.

Normal operating temperature of your hanger will be between 50° celsius and 60° celsius. But this may vary based on your power usage and weight.

Only use red or yellow torque modes for short bursts of time, to get up hills or for short bursts of acceleration.

Entering temperature protection mode will not damage your board permanently. Rider experience will teach how much sustained power will cause motor temperature protection.

# **AIRLINE TRAVEL TIPS**

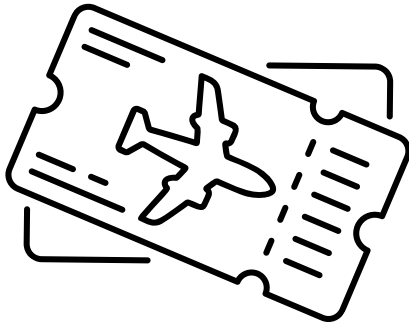


## AIR TRAVEL

The Raith Rocket battery is 144Wh, this board may be taken as carry on luggage on passenger aircraft. It is recommended to keep the board stored in a protective case. Please note that some airlines may require prior approval in order to carry on batteries of 99-160Wh on size, always check with your airline prior to flying.

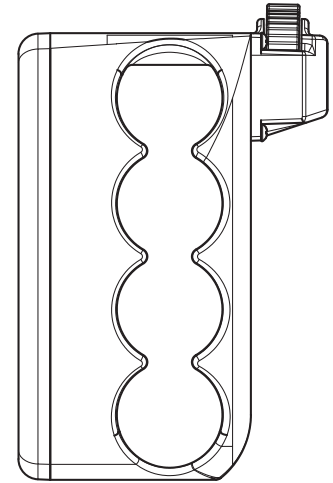
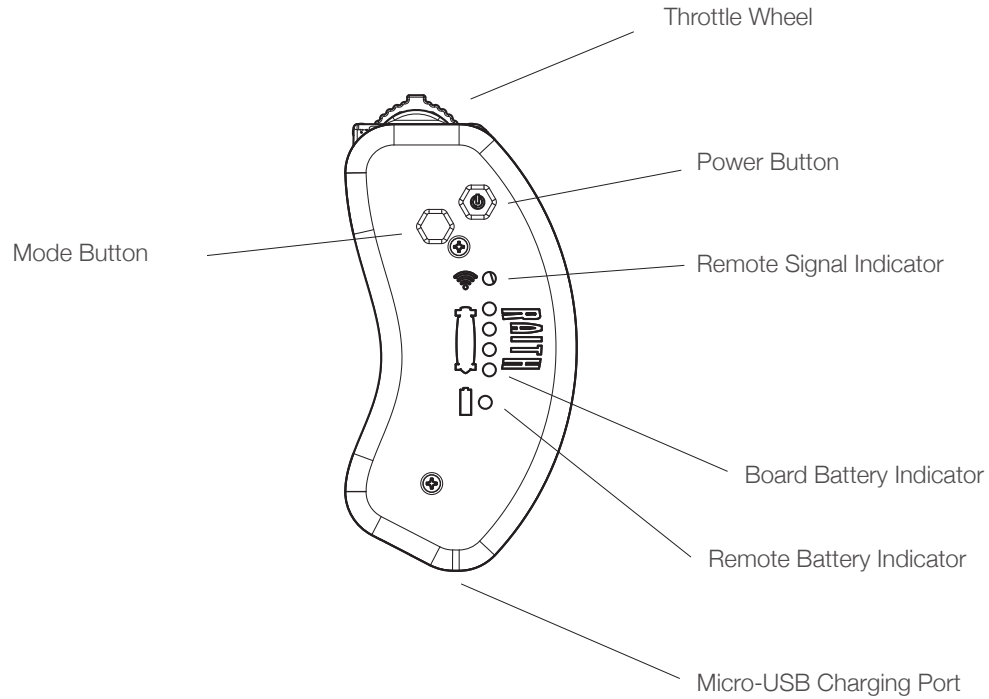
If you do encounter issues with airport security, please remain calm and polite at all times and display the battery label to them, and explain that IATA allows two carry on batteries up to 160Wh each, and that your batteries fall within this category being 144Wh.

At this time you may also be able to present them with a PDF that we can provide to you via email.



**At no time is Raith liable should any airport or airline security confiscate your skateboard from you. Please ensure you always act in accordance with the law and rules of the airport and country you are in.**

# GETTING TO KNOW YOUR REMOTE



## HOW TO OPERATE YOUR RAITH REMOTE

Your Raith remote features a unique design for simple and easy operation. To get started with your remote, simply place it over your fingers similar to how a knuckle duster would fit, and switch on the remote by holding the power button for one second until the remote vibrates and turns on.

### Accelerating

To accelerate, slowly push the throttle thumb tab forward and your board will start accelerating. The further forward you push, the faster your board will go, all the way to top speed.

### Braking

In order to safely stop, please take care to slowly roll the throttle wheel back, towards you, the further back, the harder the braking.

When riding, if you let go of the throttle wheel, your board will go into “free wheel” mode, and continue to coast along using your momentum.

Please be careful when transitioning from “free wheel” to accelerating or braking as you may need to adjust your stance.

### Turning off the remote

After riding, hold the power button for 3 seconds until the remote vibrates to turn off, all LED lights should go off.

## CHARGING THE REMOTE

It is always recommended that you charge your remote control to 100% before each ride. This keeps remote transmission power levels as high as possible during your ride.

Your remote features a micro-USB type port and can be charged from empty to full in around 1.5 hours using the included micro-USB type cable. To charge the remote, insert the Micro-USB plug of the charge cable carefully into the charge port of the remote, and the USB plug end into a suitable USB port.

The remote will show (when switched off):

NO LIGHT = FULLY CHARGED

RED LED LIGHT = CHARGING

Once the remote is fully charged remove the Micro-USB plug from the remote.

## PAIRING YOUR REMOTE

Your remote already comes paired to your board. But it is recommended to re-pair your remote before each ride.

1. Turn on your remote by holding the power button for one second. Hold the remote within 300mm of the rear of the skateboard.
2. Hold the power button and the mode button for 3 seconds until the remote vibrates and the signal LED light begins to blink red quickly. This indicates the remote is in pairing mode.
3. Power on the skateboard and check the remote signal light is now ON. Test the throttle and brakes for functionality, if functions are working correctly, pairing is successful. If the signal light is still blinking, it means

pairing has failed and the rider must restart the process from the beginning. Switch off the remote and the board and start again.

4. Once paired, your remote will establish a connection.

## Connection Status

The remote signal light shows connection status:

1. Light always on indicates a good signal
2. Light quickly blinking quickly indicates a bad signal
3. Light blinking regularly indicates no signal

## SWITCHING TORQUE MODE

Your remote has three torque settings. Green, Yellow and Red. Green is low power (33% torque), Yellow is medium power (66% torque) and Red is high power (100% torque). Your remote control will start in green mode. The torque mode/colour will be displayed by the remote signal LED light.

To change torque mode, press the mode button and select the desired torque setting.

## Cruise Mode

To set cruise mode, push the thumb tab to accelerate to the speed you require, then quickly press the power button. The remote will vibrate once, your remote is then in cruise mode. Press any button to exit cruise mode.

## Battery Voltage Setting

Your remote is set to the voltage of your Raith Rocket, which is 8S, so it can display the correct remaining battery capacity. If your remote is being used with a different board that uses a different voltage (6S-25S) but the same radio module, the remote setting can be changed to accommodate this so it displays the correct remaining capacity.

To change this setting, hold the mode button for two seconds until the receiver LED light is blinking, this means it is in voltage setting mode. To change voltage, quickly press the mode button to scroll through the voltage settings.

The number of LED lights illuminated will indicate the

corresponding number of battery cells (even numbers will blink and odd numbers will be solid lights)

6S:	#1 LED blinking	( <> 0 0 0 )
7S:	#1 LED on	( @ 0 0 0 )
<b>8S:</b>	<b>#1&amp;2 LED blinking</b>	<b>( &lt;&gt; &lt;&gt; 0 0 ) *</b>
9S:	#1&2 LED on	( @ @ 0 0 )
10S:	#1&2&3 LED blinking	( <> <> <> 0 )
11S:	#1&2&3 LED on	( @ @ @ 0 )
12S:	#1&2&3&4 LED blinking	( <> <> <> <> )
13S:	#1&2&3&4 LED on	( @ @ @ @ )
14S:	#2 LED blinking	( 0 <> 0 0 )
15S:	#2 LED on	( 0 @ 0 0 )
16S:	#2&3 LED blinking	( 0 <> <> 0 )
17S:	#2&3 LED on	( 0 @ @ 0 )
18S:	#2&3&4 LED blinking	( 0 <> <> <> )
19S:	#2&3&4 LED on	( 0 @ @ @ )
20S:	#3 LED blinking	( 0 0 <> 0 )
21S:	#3 LED on	( 0 0 @ 0 )
22S:	#3&4 LED blinking	( 0 0 <> <> )
23S:	#3&4 LED on	( 0 0 @ @ )
24S:	#4 LED blinking	( 0 0 0 <> )
25S:	#4 LED on	( 0 0 0 @ )

**\* Default for Rocket**

Choose the setting that is required, then hold the mode button for 2 seconds to exit the setting mode.

## Skateboard Battery Volume Light Indication

4 lights - 75% - 100% Battery Volume

3 lights - 75% - 50% Battery Volume

2 lights - 50% - 20% Battery Volume

1 light - 20% - 10% Battery Volume

1 light blinking - lower than 10%

If all 4 battery indication lights go out it indicates a loss of connection with the receiver.

## Remote power indication

If the battery capacity of the remote is above 10% the remote battery indication light will be green. If the battery capacity of the remote is below 10% the remote battery indication light will blink green and the remote will start to vibrate. The remote will vibrate more frequently as the remaining capacity further reduces.

When the remote is switched off and the remote is charging, the remote power indication light is red. When the remote is switched off and the remote is fully charged the red light will

go off.

When the remote is charging whilst switched on. If the remotes battery capacity is less than 10% the remote power indication light will switch between red and orange. If the remotes capacity is above 10% the remote power indication light will be orange. When the remote is fully charged the remote power indication light will be green.

## Exact indication of remote battery capacity

To check the exact capacity of the remote, quickly press the power button twice. The four skateboard battery indicator lights will momentarily show the capacity of the remote for 2 seconds before changing back to show the capacity of the skateboard battery.

Skateboard battery indicates 4 lights on - remote battery capacity 100% - 75%

Skateboard battery indicates 3 lights on - remote battery capacity 75% - 50%

Skateboard battery indicates 2 lights on - remote battery capacity 50% - 20%

Skateboard battery indicates 1 light on - remote battery capacity 20% - 10%

Skateboard battery indicates 0 lights on - refer above

Note: When the voltage of the remote battery drops below 2.8V, the remote will switch off automatically.

## **Voltage Drop/Sag**

During moments when the skateboard is in high discharge, the remote will not display an accurate battery capacity. This is due to the voltage dropping which is an effect of the high current being discharged from the battery. Wait 10 seconds after high discharge moments (remote must be at zero throttle) for the remote to display correctly again.





**GETTING TO KNOW YOUR RAITH DRIVE™**

MAVERICK  
USA



## RAITH DRIVE

Your Raith Rocket is powered by a compact, yet powerful precision direct-drive train.

Due to the nature of the drive, some regular maintenance will be required, depending on how often you ride.

Maintenance has been designed to be quite simple, requiring a general clean and applying new grease to the bearings after every 500km. Please see the maintenance section for more details.

## SWAPPING WHEELS

The Raith Precision Direct Drive has been designed to enable quick and easy wheel swaps, allowing you to switch between wheels (use only Raith designated fitment wheels with the correct marking for fitting as drive wheels):

1. Use your skate tool (included) to undo the wheel nut and set it aside.
2. Remove the wheel, drive collar and motor assembly from the axle.
3. Remove the inner drive collar/motor assembly off the

wheel by removing the outer drive collar and the 5 wheel spoke screws and washers first, then slide out the inner drive collar. It will require an amount of pulling force. Wiggle back and forward to loosen.

4. Align the new wheel (with bearings and spacer installed) with the drive collar pins and push on until its seated all the way. Then re-install the outer drive collar and spoke screws, making sure the screws are all finger tight. (Retighten these screws hand tight after your first ride). Carry out a motor/wheel balance if you believe your motor is spinning too far out of alignment (see youtube channel for reference).
5. Take the wheel nut you set aside and use your skate tool to tighten the nut until it's hand tight.

## BEARINGS

Your Raith Rocket includes a set of high quality RAITH steel bearings that are long lasting and have a tight fit on the axle. When changing wheels, swap the bearings from your previous wheels into the new wheels. Use only designated wheels with the correct marking that fit the type of drive collar being utilised on your board. Other standard aftermarket skateboard bearings can also work but are not

recommended to be used. Check the aftermarket bearings fit on the axle before installing into the wheel, otherwise aftermarket bearings may become stuck on the shaft because their tolerance isn't within specification.

## SERVICING & MAINTENANCE

The Raith Rocket is designed to operate with minimal maintenance required, however due to the mechanical nature of the Raith Precision direct drive system, some regular maintenance is recommended.

We recommend to clean your board regularly, wiping it down with a lightly damp microfibre cloth and wiping dry after with a fresh dry cloth – do not use cleaning products.

Before each ride, we recommended checking over the screws on the board, ensuring none have come loose due to vibration. A medium strength blue thread-locker is recommended to apply to any loose screws before tightening them.

Every 500km to a year we recommend to check the bearings of your Raith Precision Direct Drive system and if necessary, clean and apply new grease.

1. Remove the axle nut with your skate tool, and slide your

wheel, drive collar and motor CAN assembly off the axle making sure not to strike the CAN of the motor on the axle.

2. Loosen the 5 screws holding the outer drive collar to the wheel, carefully remove the outer drive collar and place it to the side. Then pull out the inner drive collar assembly from the wheel, it will require some pulling force, wiggle from side to side to loosen it. Keep note of the spoke hole the painted spoke was removed from and annotate this hole with a permanent marker, make sure it is re-installed in the same orientation when reinstalling.
3. Check for dirt and dust and use a clean rag to wipe off the grease, dirt and contaminants. It is recommended to use kerosene to dissolve dirt and old oil and grease from the bearings. There are two 608 bearings located in the wheel and a needle roller bearing located in between the drive collar and the motor. Remove the three M3 screws from the drive collar to enable separation of the drive collar and the motor CAN. Use a screw driver to rotate the drive collar in relation to the motor and separate the drive collar and bearing from the motor. The drive collar and bearing can then be cleaned with kerosene separate from the motor. Chemicals should not be used on the motor CAN, only

soapy water and a toothbrush is recommended to be used to clean the motor CAN and its magnets.

4. Apply new grease, ensuring the bearings are sufficiently coated, rotating the bearings as you apply.
5. Re-assemble the drive system, screws, wheel and axle nut. Use the Raith drive service tool or non-ferrous tool to press the motor back onto the drive collar bearing ensuring the screw holes line up, rotate to align them. Make sure to use blue loctite on the M3 drive collar screws when they are re-installed and torque to spec. Re-assemble in the same order it was dis-assembled.

## TORQUE SPECS

M2 screws - 0.4Nm (finger tight)

M3 screws - 2.2Nm

M4 screws - 4.8Nm

M8 axle nut - 29Nm

M10 axle into hanger - 57Nm



# **MAINTAINING YOUR ROCKET**



## MAINTENANCE GUIDE

If you regularly clean and maintain your electric longboard, it will last a long time and ride at its best:

- Always clean your bearings for best roll and quietest/smoothest ride. Bearings get dirty and affect ride quality which may reduce battery performance and cause possible bearing failure.
  - Always check all screws/nuts throughout the skateboard are tight (truck nuts, wheel nuts etc). You are responsible for this.
  - The drive wheels will wear the fastest, only replace drive wheels with wheels annotated for drive application as they have been checked for tolerance. Drive wheels are annotated on the inside face. A balance of the drive wheels and motors may be required when changing wheels, refer to the service section for more details on how to carry this out.
  - Always store your board at room temperature.
- Clean your board from dust and dirt so its looks and rides as new at all times. Use a damp & dry cloth to clean.

# **RIDING TIPS**

## **BASIC RIDING TIPS**

Whether you're a new rider or seasoned pro, it's important to take your time to get acquainted with your board and how to ride it.

### **Learn your stance**

Try standing on your board, and find what feels comfortable. Everyone is different so experiment with either having your left foot facing the front (regular) or your right foot facing the front (goofy)

### **Take it slow**

As you learn to ride your Raith Rocket, start off in the slowest torque setting, this will allow you to understand how the board works, and prepare yourself for the higher speed modes.

### **Shift your weight**

When accelerating, it is advised to shift your weight more towards your front foot, this will help you balance as your board accelerates. When you need to use the brakes, shift

your weight slightly to your rear foot, this will also help with stability as you decelerate, and as you come to a safe speed, your body will naturally shift weight to a neutral stance.

# WARRANTY INFORMATION

## 12 MONTH LIMITED WARRANTY

Fastboard Pty Ltd, warrant the Rocket to be free from defects in materials or workmanship for a period of 12 consecutive months after original purchase date.

This warranty only applies to the original owner and is not transferable.

Claims under this warranty must be made through the purchasing entity. The original proof of purchase is required.

### LOCAL LAW

This warranty statement gives the customer specific legal rights. The customer may also have other rights which vary from state to state, from province to province, and from country to country elsewhere in the world.

To the extent that this warranty statement is inconsistent with local law, this warranty shall be deemed modified to be consistent with such law, under such local law, certain disclaimers and limitations of this warranty statement may

apply to the customer. For example, some states in the USA, as well as some governments outside of the USA may:

1. Preclude the disclaimers and limitations of this warranty statement from limiting the statutory rights of the consumer (e.g.. United Kingdom)
2. Otherwise restrict the ability of a manufacturer to enforce such disclaimers or limitations.

### LIMITATIONS

To the extent allowed by local law, except for the obligations specifically set forth in this warranty statement, in no event shall FastBoard Pty Ltd, or its third party suppliers be liable for direct, indirect, special, incidental, or consequential damages.

The warranty does not apply to products that haven't been correctly installed according to the respective user manual which can be found at [raithskateboards.com](http://raithskateboards.com).

The warranty does not apply to damage to the product caused by a crash, impact, abuse of the product, non-compliance with the manufacturer's specifications of usage and installation or any other circumstances in which the product has been subjected to forces or loads beyond its design.

The warranty does not apply when the product has been modified, including, but not limited to any attempt to open or repair any electronic and electronic related components, including the motor, controller, battery packs, wiring harnesses, switches and chargers.

This warranty does not apply when the serial number or production code has been deliberately altered, defaced, or removed.

Nor does the warranty apply if there is no proof of invoice and/or receipt for the purchase of any Raith Skateboards products.

## **EXCLUSIONS**

The warranty does not cover damage to the battery and charger due to power surges, use of improper charger, improper maintenance, or such other misuse.

This warranty does not cover damages caused by the use of parts of different manufacturers, nor does it cover damages resulting from commercial (rental) use. Additionally this warranty does not cover damage caused by water and liquids.

This warranty does not apply to normal wear and tear.

Wear and tear parts are subject to damage as a result of normal use, failure to service according to Raith Skateboards recommendations and/or riding or installation in conditions or applications other than recommended.

## **WEAR AND TEAR PARTS**

Parts such as fixing hardware (screws, nuts), batteries, wheels, bearings, decks and bushings.

## **CONDITIONS OF USE**

Removal of any of the included warning stickers and/or packaging from the product or evidence or indication of use is considered use of the equipment and acceptance of all the terms set forth herein and on the most up to-date terms and conditions on the Raith Skateboards website.

The user assumes all liability and responsibility for risk associated with the use of the Raith Skateboards electric skateboards. You assume all risks and responsibility outlined in the safety, warranty, legal disclaimer, assumption of risk & indemnity/hold harmless provisions set forth.

## **COMPETENCY OF USE**

You hereby certify that you are 16 years of age or older and/or have reached the age of majority in your domicile to enter into safety, warranty, legal disclaimer, assumption of risk & indemnity/hold harmless agreement and agree to be bound by its terms.





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