

OWNER'S MANUAL



PACKS THE BIGGEST PUNCH

Read and understand this entire manual before riding. Thumpstar Motorbikes strongly recommend having this machine assembled by a skilled mechanic. Assembly should include, but is not limited to checking over the entire bike including the engine.

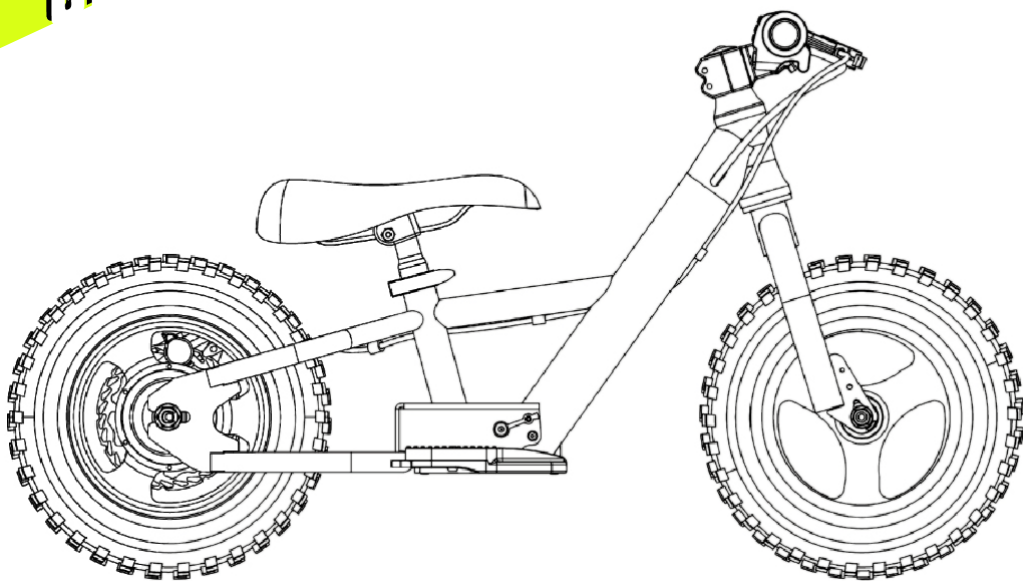
GENUINE THUMPSTAR

THUMPSTAR ELECTRIC BALANCER

TSE 12 EB-BASE

TSE 12 EB-MAX

TSE 16 EB-MAX



VIN & ENGINE NUMBER

NOTE:

Manual illustrations are for demonstration purposes only. Illustrations may not reflect exact appearance of actual product. Specifications subjected to change without notice.

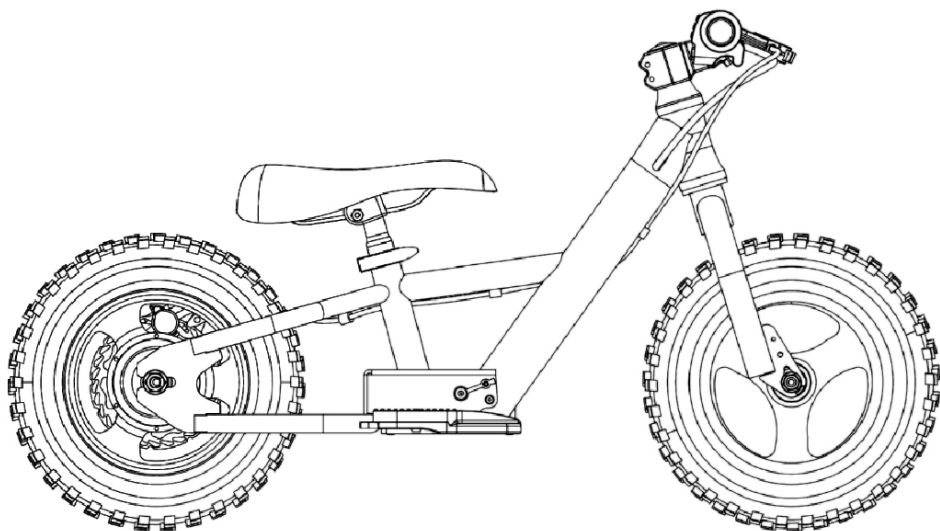
Owner's Manual

THUMPSTAR BALANCER, FOR AGES 3-12

IMPORTANT: READ MANUAL CAREFULLY BEFORE OPERATING

We care about the safety and comfort of our customers. This manual will guide you through proper techniques in operating your THUMPSTAR balancer.

For any additional information, please visit:
www.ThumpstarUSA.com



NOTE: Manual illustrations are for demonstration purposes only. Illustrations may not reflect the exact appearance of the actual product. Specifications are subject to change without notice. Please have your product Serial Number (S/N) and a copy of your receipt before contacting us for warranty assistance and/or replacement parts.

⚠ WARNING: Riding a TSE balancer does present potential risks and caution is required. Like any riding product, a TSE balancer has inherent hazards associated with its use (for example, falling off or riding it into a hazardous situation). When riding the TSE balancer, it is possible to lose control or otherwise get into dangerous situations. Both children and the adults responsible for supervising them, must recognize that if such hazards occur, a rider can be seriously injured or die even when using safety equipment and other precautions. **RIDE AT YOUR OWN RISK.**

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Introduction

Congratulations on the purchase of your new TSE Balancer! With proper assembly and maintenance, it will offer you years of enjoyable riding!

IMPORTANT:

Carefully read and follow this manual (and any other materials included with this bike) before riding. Please retain this manual for future use. If this bike was purchased for a child, it is the responsibility of the purchaser to verify the bike has been properly assembled, and that the user has been properly trained and instructed in use of the bike.

This manual is provided to assist you and is not intended to be a comprehensive manual covering all aspects of maintaining and repairing your bicycle. The bicycle you have purchased is a complex piece of equipment that must be properly assembled and maintained in order to be ridden safely. You must have it assembled and maintained by one of our authorized dealers.

The user or consumer assumes all risk of personal injuries, damage, or failure of the bicycle or system and all other losses or damages to themselves and others and to any property arising as a result of using the bicycle. (need to ensure that you hold no liability for injury to the user or damage to property)

DO NOT DISASSEMBLE, MODIFY OR REPLACE ELECTRICAL PARTS.

If you need to change any parts, please consult one of our authorized dealers or contact customer service for additional help.

NOTE: YOUR INSURANCE POLICIES MAY NOT PROVIDE COVERAGE FOR ACCIDENTS INVOLVING THE USE OF THIS BICYCLE. TO DETERMINE IF COVERAGE IS PROVIDED YOU SHOULD CONTACT YOUR INSURANCE COMPANY OR AGENT.

Introduction

 DANGER: Failure to properly assemble and maintain your bicycle could result in serious injury or death to the rider.

This manual contains important safety, performance and service information. The purpose of this Owner's Manual is to help you use your bike safely in the manner it is intended and allow you to enjoy the benefits it offers for many years to come. Please read it before you take the first ride on your new bicycle, and keep it for reference. If you have any questions or do not understand something, take responsibility for your safety and contact Thumpstar customer service at **330-298-5107** or **support@thumpstarusa.com**

ALWAYS WEAR A PROPERLY FITTED HELMET WHEN YOU RIDE YOUR BICYCLE. DO NOT RIDE AT NIGHT. AVOID RIDING IN WET CONDITIONS.

A Few Words About Safety

Your safety, and the safety of others, is very important and operating this electric balancer safely is an important responsibility.



You could be **SERIOUSLY HURT** if you don't follow instructions.



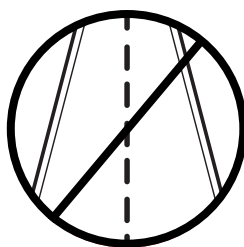
You could be **HURT** if you don't follow instructions.

WARNING



Always use an approved helmet & protective gear

Never use on public roads



Never carry passengers

This section presents some of the most important information and recommendations to help you ride your electric balancer safely. Please take a few moments to read these pages. This section also includes a special message for parents and location information for the safety labels on your electric balancer.

Electric Balancer Pre-Riding Safety

⚠ CAUTION: For your safety you must carefully read this manual and follow its instructions. Your bicycle may come with additional instruction sheets that cover features unique to your bike. Please ensure that you read and become familiar with their contents and retain them with this manual for future reference. Remember bicycles, in most areas, are subject to the same laws, rules, and regulations as motor vehicles.

Always wear a CPSC approved helmet when riding your bike.

Learn and follow local and state traffic use laws.

Any major service or adjustments on your bike not covered in this manual should be carried out by a professional bicycle mechanic. If you wish to make adjustments yourself, this manual contains important tips on how to do it.

⚠ CAUTION: Any adjustments you make are entirely at your own risk. Do NOT use your bike for freestyle and stunt riding, jumping or competitive events. Do not ride your bike when any part is damaged or not working properly. You must, for your safety and the safety of other users, consult a professional bicycle mechanic for any questions on repairs or maintenance.

⚠ WARNING: As with all mechanical components, the bicycle is subjected to wear and high stresses. Different materials and components react to wear or stress fatigue in different ways. As your bicycle ages, you should inspect it more frequently to look for deformed, cracked, bent, or loose components. Such conditions may lead to sudden failure. This may possibly cause injuries to the rider. If something is cracked or broken, do not ride until repairs have been made.

Electric Balancer Pre-Riding Safety

BEFORE RIDING

1. **⚠ WARNING - ON AND OFF ROAD CONDITIONS:** The condition of the riding surface is very important to your safety. If the surface is wet, or has sand, leaves, small rocks or other loose debris on the surface where you plan to ride, carefully decrease the speed of the bicycle and ride with extra caution. It will take a longer time and more distance to stop. Apply the brakes sooner and with less force. Always apply the rear brake first allowing time and distance for it to take effect. Then follow by cautiously applying the front brake, in order to maintain control of the bicycle. Rapid front brake application first may cause a front pitch over or fall. Learn to use your brakes properly under controlled conditions until you learn proper braking under all road conditions.
2. **NOTICE:** State and federal regulations require a full set of reflectors. Some state and local laws may require that your bike be equipped with a warning device, such as a horn or bell and most states require a light. The manufacturer and many legal authorities DO NOT approve or encourage riding at night. Vision is quite limited at dawn, dusk and at night for bike riders, motorists and by-standers. If you must ride at night, take extra precautions, use front and rear lights, wear flashers on your arms, wear light-colored clothing, and plan your route to ride in well lighted areas avoiding heavy traffic areas.
3. **NOTE:** Always wear shoes when riding a bicycle and avoid loose fitting clothes. Wear a cuff band or trouser clip to keep pants or other loose clothing from getting caught in the chain wheel. Long sleeves, long pants, gloves, eye protection, a CPSC approved helmet, elbow and knee pads are recommended. Helmet use is required by law in many states and is always a good idea for your safety.

Electric Balancer Pre-Riding Safety

4. **⚠ CAUTION: WET WEATHER WARNING:** Check your brakes frequently. The ability to stop is critical to your safety. Roads are slippery in wet weather so avoid sharp turns and allow more distance for stopping. Brakes become less efficient when wet. Leaves, loose gravel and other debris on the road can also lengthen stopping distance. If at all possible, do not ride in wet weather. Vision and control are impaired, creating a greater risk of accidents and injury.
5. **⚠ CAUTION:** A bicycle rider's best defense against accidents is to be alert to road conditions and traffic in the area. Do not wear anything that restricts your vision or your hearing.
6. When riding, **ALWAYS WEAR A APPROVED BIKE HELMET.** It may save your life.
7. Obey all traffic regulations. Most traffic regulations apply to bike riders as well as automobile operators. Observe all state and local traffic regulations, signs and signals. Check with your local police station on bicycle licensing and inspection, and where it is legal to ride your bike.
8. **ON AND OFF ROAD OPERATION:** Avoid the following road hazards: drain grates, pot holes, ruts, soft road edges, gravel, leaves (especially when they are wet), uneven pavement, railroad crossings, manhole covers, curbs, speed bumps, puddles, and debris as all have an effect on your riding and may result in loss of control. Adjust your speed and the way you use your brakes if you must ride in such areas.
9. If any components become loose while riding, **(STOP!!)** immediately and tighten, or bring to a mechanic for repair.

Electric Balancer Pre-Riding Safety

TO AVOID INJURY, THIS PRODUCT MUST BE PROPERLY ASSEMBLED BEFORE USE. WE STRONGLY RECOMMEND THAT YOU REVIEW THE COMPLETE ASSEMBLY GUIDE AND PERFORM CHECKS SPECIFIED IN THE OWNER'S MANUAL BEFORE RIDING.

Just a minute spent before each ride can significantly improve your safety and the enjoyment of your ride. So, **EACH TIME** before you ride make a habit of performing the following safety checks:

- Stand in front of the bicycle facing rearward and hold the front wheel securely between your legs. Try to twist the handlebar and verify that they do not move. Then pull the handlebars up, trying to lift the bike. There should be no movement.
- Try to push the front wheel from side to side and confirm that it feels tight and will not wobble. Lift the front wheel up by the handlebars and strike the wheel downward with the heel of your hand to confirm that it is securely attached to the wheel. Spin the front wheel and confirm that it does not wobble or contact the fork or brake pads.
- Try to lift/push down on and twist the seat to confirm it is tight.
- Look at the connection of the pedals to the crank arm. You should not see pedal screw threads and the pedal should feel firm and be parallel to the ground.
- Apply your brake(s) and make sure they feel firm to the touch, and then spin the wheel(s). Apply the brakes. The brakes should stop the wheel(s).
- Check to be sure that the fenders and accessories (if equipped) are firmly attached and will not contact any moving parts. Make sure all reflectors are in position and not broken.

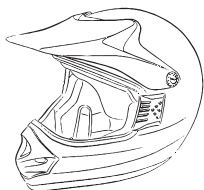
Now, put on your **BICYCLE SAFETY HELMET** and enjoy your ride. Your safety is well worth just a minute. Also, be sure to read and follow the warnings and instructions in this manual

Electric Balancer Pre-Riding Safety

SAFETY EQUIPMENT

Thumpstar promote the use of safety equipment during the use of your electric balancer; the following list is an advisory guideline of the equipment that should be obtained before using your electric balancer for the first time, and to be used for every ride regardless of experience and skill level.

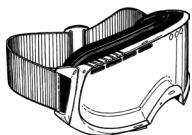
HELMET



A helmet is the most important piece of protective equipment and should be worn at all times the electric balancer is being ridden.

Ensure the helmet fits the operator snugly, is securely fastened and provides good, all-round visibility. A poorly-fitting or loose helmet can become dislodged in an incident and then offer no protection at all.

EYE PROTECTION



Recommended to prevent eye injuries and prevent branches, bugs, dust or sand hitting your face and distracting you. Sunglasses are unlikely to provide adequate physical protection.

GLOVES

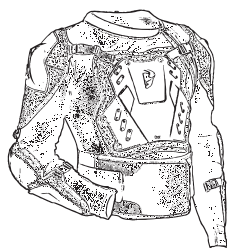


FOOTWEAR



Sturdy footwear is recommended

CLOTHING



Arms and legs should be covered to reduce abrasions to the body, even in hot weather. Trousers should be close-fitting and in good condition.

Message To Riders

Your safety is very important to Thumpstar. That's why we urge you to read this message before riding this electric balancer. You can help prevent accidents by making good decisions about if, when, and how you ride this electric balancer.

THINGS TO CONSIDER WHEN RIDING

The first decision you'll need to make is whether you're ready to ride. Riding readiness varies widely from one person to another, and age and size are not the only factors.

PHYSICAL ABILITY

An important consideration is that riders must be big enough to hold the electric balancer up, get on, and comfortably sit on the seat with both feet touching the ground. They should also be able to easily reach and work the brakes, throttle, and all other controls.

If you decide that you're ready to safely operate this electric balancer, make sure you carefully read and understand the owner's manual before riding. Also be sure that you have a helmet and other appropriate riding equipment, and always wears it when operating the electric balancer or sitting on it.

SAFE AND RESPONSIBLE RIDING

When you put safety first, you can enjoy more peace of mind, and you can enjoy more hours of safe offroad riding.

Loading, Accessories & Modifications

Thumpstar designed a rider-only electric balancer. It was not designed to carry a passenger or cargo. A passenger or cargo could interfere with your ability to move around to maintain your balance and control of the electric balancer.

In addition, exceeding the weight limits or carrying an unbalanced load can seriously affect your electric balancer's handling, braking, and stability. Adding accessories or making modifications that change this electric balancer's design and performance can also make it unsafe. Also, the weight of any accessories will reduce the maximum load the electric balancer can carry.

We recommend that you do not carry any cargo on this electric balancer.



ACCESSORIES & MODIFICATION

Modifying your electric balancer or using non-Thumpstar accessories can make your electric balancer unsafe.

Loading, Accessories & Modifications

ACCESSORIES

We strongly recommend that you use only Thumpstar Genuine Parts and Accessories that have been specifically designed or approved and tested for your electric balancer. Because Thumpstar cannot test all other accessories, you must be personally responsible for proper selection, installation, and use of non-Thumpstar accessories. Check with your dealer for assistance and always follow this guideline:

Make sure the accessory:

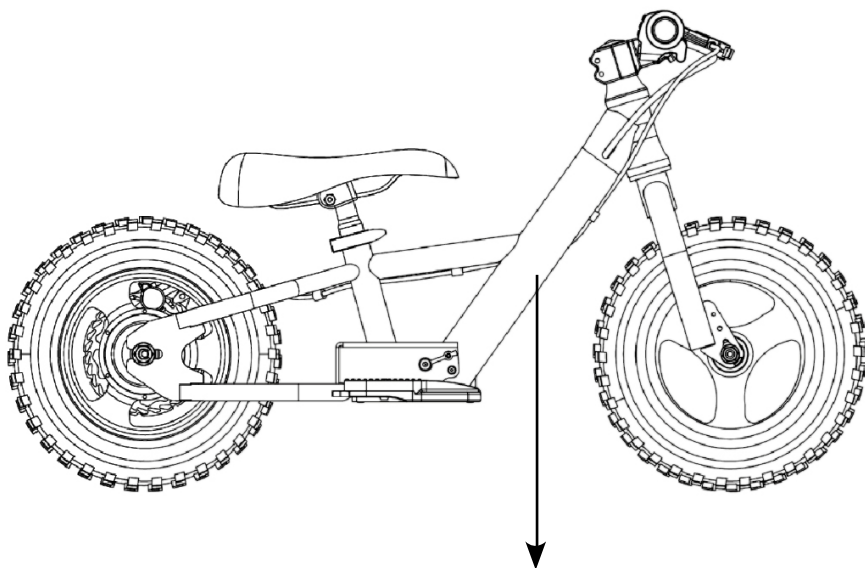
- Does not reduce ground clearance and lean angle
- Limit steering travel
- Alter your riding position
- Interfere with operating any controls

MODIFICATIONS

We strongly advise you not to remove any original equipment or modify your electric balancer in any way that would change its design or operation. Such changes could seriously impair your electric balancer handling, stability, and braking, making it unsafe to ride.

We also advise you not to make any modifications or remove any equipment that would make the electric balancer illegal in your area.

Safety Labels



WARNING THIS MACHINE HAS NO BRAIN!
USE YOUR OWN...

OFF-ROAD OR PRIVATE LAND USE ONLY

PRE-RIDE INSPECTION MUST BE PERFORMED BEFORE EVERY RIDE



- Always wear protective equipment such as helmet, knee pads elbow pads and shoes.



- Do not ride at night, in areas of low visibility
Max rider weight may not exceed 120lbs/
65kgs; Weight in excess of this amount
may damage the bike.



- For riders 3 years old and up only.



- To reduce the risk of injury, adult supervision is required. Never us in roadways, near motor vehicles, on or near steep inclines or swimming pools or other bodies of water, always wear shoes, and never allow more than one rider.



- Traffic can be fatal, do not ride on streets, around cars, or sidewalks.

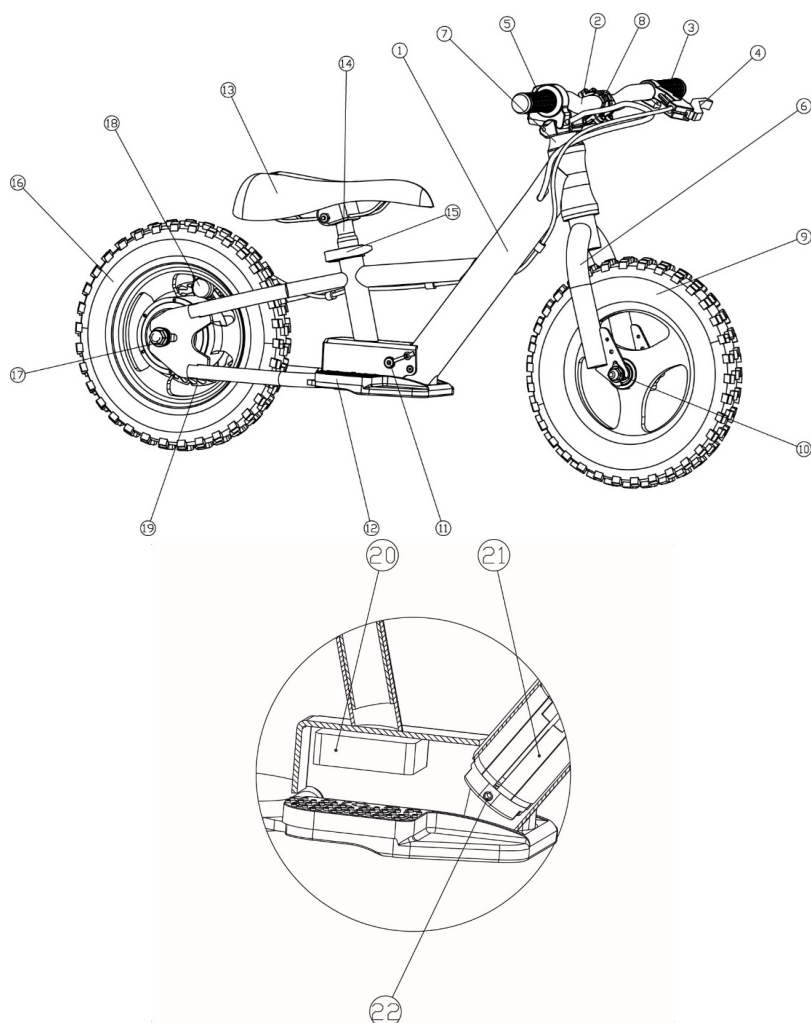


- Never use with alcohol or drugs.

Inspection should include, but not limited to the following points:

- | | |
|-------------------|---------------------|
| 1. Nuts and Bolts | 5. Hoses and Cables |
| 2. Chain Adjusted | 6. Tire Pressure |
| 3. Brakes | 7. Spokes and Wheel |
| 4. Throttle | |

TSE Bike Components



- | | | |
|---------------------|-------------------------------|------------------|
| 1. Frame | 11. Charger Interface | 21. Battery |
| 2. Handlebar | 12. Foot Rest | 22. Battery Nuts |
| 3. Handlebar Grip | 13. Seat | |
| 4. Brake Lever | 14. Seat Post | |
| 5. Throttle | 15. Seat Clamp | |
| 6. Front Fork | 16. Rear Motor Wheel | |
| 7. Stem | 17. Rear Axle Nuts | |
| 8. Headset | 18. Brake | |
| 9. Front Wheel | 19. Brake Disc | |
| 10. Front Axle Nuts | 20. Electric Speed Controller | |

Acceptable Riding Practices & Conditions

Always check and obey any local laws or regulations, which may affect the locations where the TSE bike may be used. Keep safely away from cars and motor vehicle traffic at all times, and only use where allowed and with caution. Never ride your Thumpstar TSE bike on public streets, roads, highways, at night or when visibility is limited.

Do not activate the speed control on the hand grip unless you are on the TSE bike and in a safe, outdoor environment suitable for riding. The maximum speed of the bike is limited by the selected power mode (See Throttle Operation section below). Avoid excessive speeds that can be associated with downhill rides. Maintain a grip on the handlebars with both hands at all times. Do not touch the brake or motor immediately on your TSE bike when in use or after riding, as these parts can become very hot. Ride defensively. Watch out for potential obstacles that could catch your wheel 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. These TSE bikes are intended for use on flat, dry surfaces, without loose debris, such as sand, leaves, rocks or gravel. Wet, slick, bumpy, uneven or rough surfaces may impair traction and contribute to possible accidents. Do not ride your TSE bike through mud, over ice, through puddles, in wet or icy weather and never immerse or wash the TSE bike with water, as the electrical and drive components could be damaged by water or create other possibly unsafe conditions. Never use near steps or swimming pools. Avoid sharp bumps, drainage grates, and sudden surface changes. Do not attempt or do stunts or tricks on your TSE bike. These TSE bikes are not made to withstand abuse from misuse, such as jumping, curb grinding or any other type of stunts. Racing, stunt riding, or other maneuvers also enhance risk of loss of control, or may cause uncontrolled rider actions or reactions. Never allow more than one person at a time to ride the TSE bike. Do not ride at night or when visibility is limited. Never use headphones, a cell phone or text when riding. Never risk damaging surfaces, such as carpet or flooring, by use of a TSE bike indoors. Never tow anything or anyone with or allow your Thumpstar TSE bike to be towed by any other person or vehicle, motorized or not.

Acceptable Riding Practices & Conditions

POWERED & ROTATING PARTS WARNING:

Do not allow hands, feet, hair, any body parts, clothing, or similar articles to contact with any rotating or moving parts, such as wheels, or drive train components and chain while the motor is running or while the wheels and tires are rotating.

PROPER RIDING ATTIRE:

Always wear proper protective equipment, such as an approved and properly fitted safety helmet (with chin strap securely buckled), eye protection, athletic shoes (lace-up shoes with rubber soles) elbow pads and knee pads. Keep shoelaces tied and out of the way of the wheels, motor and drive system. Never ride barefooted or in sandals. Long-sleeved shirt, long pants, and gloves are recommended. Furthermore, a helmet may be required by local law or regulation in your area. Your child's brain is their most valuable asset, **MAKE THEM WEAR AN APPROVED, PROPERLY FITTED AND BUCKLED HELMET!**

Starting Process

THE STARTING PROCESS: SIT, PUSH, COAST, BRAKE, PRACTICE

(Perform under adult supervision, wearing protective equipment, in an open and safe area)

Non-powered training: (Turn Power Switch to the “OFF” position)

1. Sit on bike with feet on ground. Familiarize rider with seat, foot platform, brake(s), handlebars, throttle and their function.
2. Push bike around with feet on ground learning balance and confidence.
3. Coast and practice controlled turning with feet on platform.
4. Brake to a safe stop using hand brake while maintaining control.
5. Practice standing and stopping while maintaining control without falling

Powered Mode Qualifying Checklist:

- ☐ Can rider push and coast safely with feet on platform?
- ☐ Can rider maintain control while standing on platform?
- ☐ Can rider control bike from start to stop?
- ☐ Can rider use hand brake to stop on command?
- ☐ Can rider coast and turn while navigating mild hills and obstacles?
- ☐ Has rider demonstrated enough control to move to powered riding without being a risk to themselves and others?
- ☐ If so, move to Powered Mode training!

Power Mode:

Training Mode:

1. Press the Power Switch to the “ON” position.
2. Ensure GREEN LED is lit, indicating “Training Mode” selected. If not, see Throttle operation and Changing Power Mode sections in this manual.
3. Have child carefully push TSE bike forward and practice slightly twisting throttle learning to feel the TSE bike beginning to move forward under power.

Starting Process

Standard Mode:

1. Press the Power Switch to the “ON” position.
2. Ensure YELLOW LED is lit, indicating “Standard Mode” selected. If not, see Throttle operation and Changing Power Mode sections in this manual.
3. Adult should supervise child as the top speed and acceleration have both increased in this mode.
4. Coach child to demonstrate ability to roll off throttle and use brake to slow to a stop and maintain a safe distance for obstacles and other riders.
5. A majority of users will find this speed to be adequate for significant skill building and lots of fun!

Advanced Mode:

1. Press the Power Switch to the “ON” position.
2. Ensure RED LED is lit, indicating “Advanced Mode” selected. If not, see Throttle operation and Changing Power Mode sections in this manual.
3. Adult should supervise child as the top speed and acceleration are at their maximum in this mode.
4. Teach child to demonstrate ability to roll off throttle and use brake to slow to a stop and maintain a safe distance for obstacles and other riders.
5. This mode is for Advanced and Older Riders only!

Safely Approaching & Remounting the Bike

During adult supervision always teach children to approach the Thumpstar TSE Bike with caution; before using, while standing back up if knocked over, or after a spill.

1. Ensure the power switch is turned off.
2. Ensure all wheels/tires have stopped rotating or moving.
3. Inspect if any obvious damage.
4. Perform a “Pre-Ride Inspection” (below).
5. Have rider mount the Thumpstar TSE Bike, gripping the handlebars with both hands, sitting on the seat with both feet flat on the ground.
6. Please press the power switch to the “ON” position.
7. Finally: carefully resume riding your Thumpstar TSE Bike.

LOADING AND UN-LOADING A THUMPSTAR TSE BIKE INTO A VEHICLE

1. Ensure the power switch is turned off.
2. Load into a vehicle for transport.
3. After unloading, ensure Power Switch is turned off.
4. Perform Pre-Ride Inspection.

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.

CHECK AND MAINTAIN THUMPSTAR TSE BIKE:

Before using, check to confirm that the Thumpstar TSE bike is in proper working order. The TSE bike should be maintained and repaired in accordance with the manufacturer's specifications, using only the manufacturer's authorized re- placement parts, and should not be modified from the manufacturer's original design and configuration.

Pre-Ride Inspection & Checklist

Never ride your Thumpstar TSE bike on public streets, roads, highways, at night or when visibility is limited.

Power Switch: Ensure the Power switch is turned off during the Pre-Ride Inspection and remains “OFF” until the rider is sitting on the seat, both hands gripping the handle bars, both feet flat on the ground.

Throttle: Ensure the Power switch is turned off. Check that the throttle rotates freely and the return spring returns the throttle back to the “ZERO” position from the “FULL”. Ensure there are no cracks or visible damage.

Brake: Check brake for proper function. When you squeeze lever, brake should provide positive braking action. Make sure that brake is not rubbing when lever is released.

Tires: Periodically inspect tires for excess wear and aging. Regularly check tire pressure and inflate as per tire sidewall.

Frame, Fork, Stem and Handlebars: Check for cracks and loose hardware. Broken components are rare, however it is possible for a reckless rider to run into a curb or object and cause damage. Get into the regular habit of inspecting your TSE bike every time as you ride it!

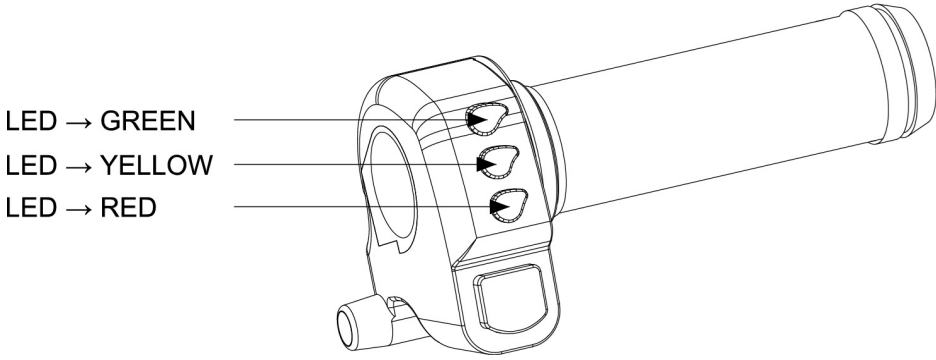
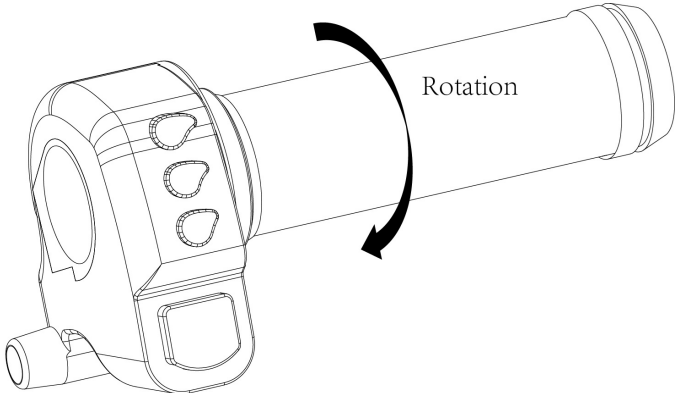
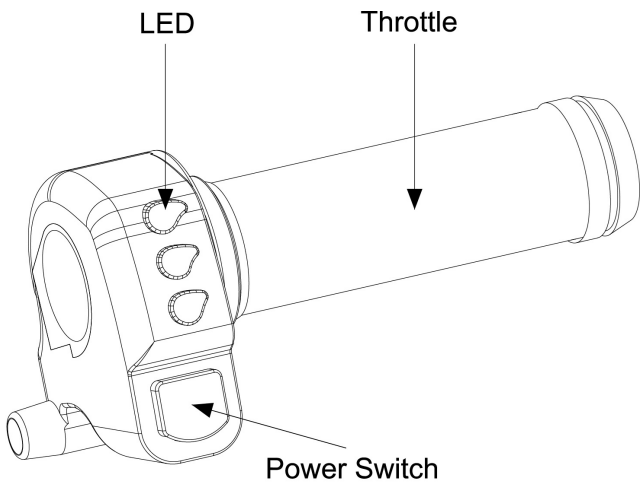
Hardware/Loose Parts: Check all hardware, such as nuts, bolts, cables, fasteners, etc. to ensure they are secure. There should not be any unusual rattles or sounds from loose parts or broken components. If the unit is damaged, do not ride it. Reference “Warnings” listed in this manual.

Safety Gear: Check that proper protective gear, such as an approved and properly fitted safety helmet, eye-wear, athletic shoes (Closed toe shoes with rubber soles), elbow pads, kneepads, etc., are in place prior to riding. Keep shoelaces tied and out of the way of the wheels, motor and drive system.
NEVER RIDE BAREFOOTED OR IN SANDALS.

Laws and Regulations: Check and obey any local laws or regulations prior to riding.

Insurance: Verify with your insurance company that your existing insurance policies provide necessary coverage for TSE bike use.

Throttle Components / Features

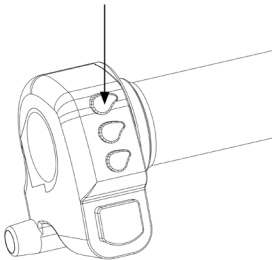


Throttle Operation

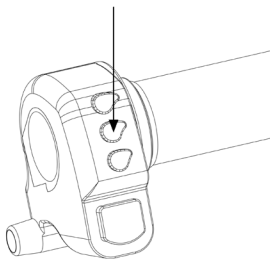
(Confirm Speed Mode & Check Battery Level) Operation of throttle is only for those supervised by an adult. In no circumstances should a child be allowed to operate the TSE bike without proper training and supervision. If the child cannot walk, run, coast and brake, they are surely not ready for throttle control.

1. Ensure power switch is in “OFF” position, throttle in “zero” position.
2. Power on bike. (Power Switch to the “ON” position)
 - a. Audible Beep.
 - b. Followed by a light indicator.
 - c. Light indicates the power mode that is currently selected.
 - i. GREEN -Low Speed/Power *factory default
 - (training mode)
 - ii. YELLOW-Medium Speed/Power
 - (standard mode)
 - iii. RED-Fast Speed/Power
 - (advanced mode)

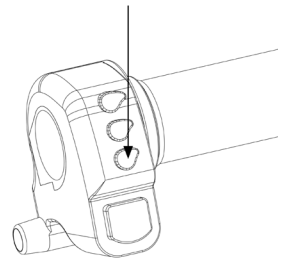
GREEN LED illuminated
(default)
Low-Speed/Power



YELLOW LED illuminated
Medium-Speed/Power



RED LED illuminated
Fast-Speed/Power

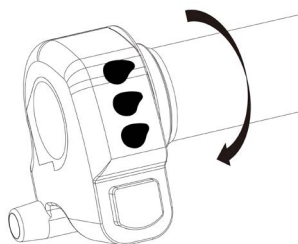


Throttle Operation

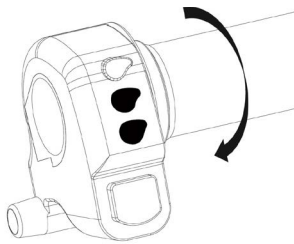
3. While sitting on the bike, both hands gripping the handlebar, both feet flat on the ground and ready to ride, turn the throttle slightly, the lights will show the battery level (twist slowly and a very little amount, careful to not activate motor!)

- a. Green, Yellow, Red lights → indicate full charge
- b. Yellow, Red lights → indicate medium-low battery level
- c. Red light → low battery level and battery needs to be changed.

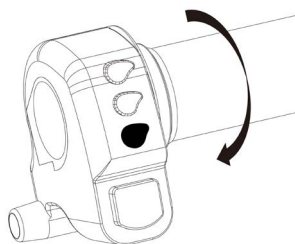
Power → "ON"
Throttle → 5%-10% rotation
LED → Green, Yellow, Red
(Full Battery Charge)



Power → "ON"
Throttle → 5%-10% rotation
LED → Yellow and Red
(Med-Low Battery Charge)



Power → "ON"
Throttle → 5%-10% rotation
LED → Red
(Low Battery Charge)



4. If you continue to twist the throttle (10%+), the motor will be activated. The more the throttle is twisted, the more power is delivered to the motor, based on the power program selected.

5. More caution around moving parts and wheels.

6. Contact Thumpstar customer service or go visit: www.thumpstarusa.com if unsure about any operational procedure.

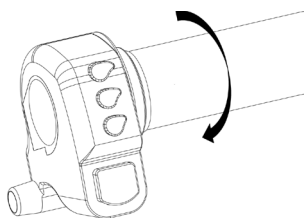
CHANGING POWER MODES (FOR ADULT USE ONLY!!!!)

Your Thumpstar is equipped with 3 power modes for different skill levels. Training Mode, Standard Mode and Advanced Modes. We do not advise showing children how to adjust the modes. Each child should have the mode set by an adult who will be closely supervising the child. **DO NOT** put your child on the "Advanced" mode without working through the process of learning the Training and Standard Modes.

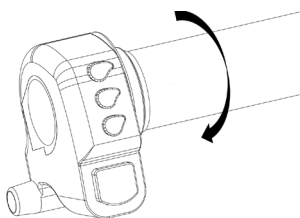
Throttle Operation

Activate Program Selection:

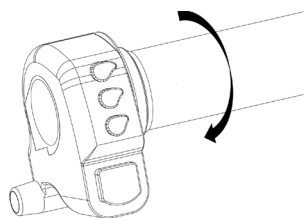
1. Ensure power switch is in “OFF” position.
2. Ensure bike power switch is “OFF” and no LED lights are on, or no beeps were heard.
 - If any LED light is on, turn bike Power Switch to “OFF”
 - If you heard a beep, turn bike Power Switch to “OFF”
3. Turn throttle gently and hold throttle in “FULL” position. Do not release.
4. Turn on the power , do not let throttle move from “FULL” position.
 - The yellow LED light will flash 5 times, then all the LED lights will flash and beep 5 times, all LEDs will remain lit. Wait 1 sec, then release throttle. All LED lights should be off.
 - If LED lights are on, repeat from step 2, and be sure not to twist the throttle quickly as it is not in Program Mode!!!



Power Switch → “OFF”
Throttle → “FULL” position
HOLD THROTTLE IN FULL POSITION!



Power Switch → “ON”
Throttle → “FULL” position
LED → flashing YELLOW
yellow light flashes 5 times



Power Switch → “ON”
Throttle → “FULL” position
LED → flashing GREEN,
YELLOW
Green/Yellow/Red lights
flashes with beeps 5 times,
all LEDs are on, release the
throttle, all LED lights are
off, then choose power mode

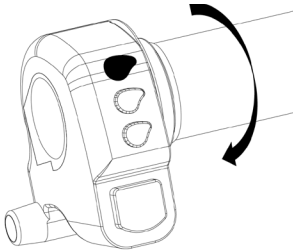
Throttle Operation

Select Program:

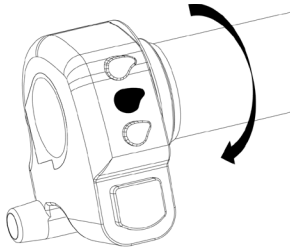
5. Turn throttle, and as the throttle moves through the range of power modes, the, Green Yellow, or Red LED light will illuminate.

6. Hold Throttle at the power mode (LED position) desired approximately 5 seconds until “2 short beeps” are heard.

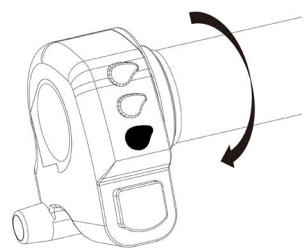
- Green → training mode (slow)
- Yellow → standard mode (medium)
- Red → advanced mode (fast)



Selection MODE:
Throttle → "FULL" position
LED → solid GREEN
(training mode)



Selection MODE:
Throttle → "MID" position
LED → solid YELLOW
(standard mode)



Selection MODE:
Throttle → "LOW" position
LED → solid RED
(advanced mode)

Exit Program Selection:

7. Release throttle.

8. All LED lights flash together 1 time with “1 long beep”.

9. LED Light indicating selected power mode will now be illuminated!

• Operation of the TSE bike will be with the illuminated power mode. The TSE bike will stay in this power setting unless changed as per steps above:

- Green → training mode (slow)
- Yellow → standard mode (medium)
- Red → advanced mode (fast)

Led Information

LED INFORMATION

POWER SWITCH	THROTTLE POSITION	LED	SITUATION/ REACTION
ON	ZERO	NONE	bike could be in program mode (more caution with the throttle)
ON	ZERO	GREEN	bike powered on and in “TRAINING / SLOW” power mode
ON	ZERO	YELLOW	bike powered on and in “NORMAL / MED” power mode
ON	ZERO	RED	bike powered on and in “ADVANCED / FAST” power mode
ON	5-10%	G,Y,R	bike powered on and showing FULL battery charge
ON	5-10%	Y,R	bike powered on and showing MEDIUM battery charge
ON	5-10%	R	bike powered on and showing LOW battery charge
ON	10%-FULL	G,Y,R	motor will engage & drive bike at selected power mode, FULL battery charge
ON	10%-FULL	Y,R	motor will engage & drive bike at selected power mode, MEDIUM battery charge
ON	10%-FULL	R	motor will engage & drive bike at selected power mode, LOW battery charge

Led Information

PROGRAMMING MODE ACTIVATION: only to be activated by an adult			
POWER SWITCH	THROTTLE POSITION	LED	NOTES
OFF	Hold at FULL	NONE	TSE bike is turned OFF
ON	Hold at FULL	YELLOW flashing (5xs)	
ON	Hold at FULL	R, Y, G Flashing + Beeping (5xs)	
ON	Hold at FULL +1sec	NONE	
ON	Release to ZERO	NONE	
ON	Turn throttle - lights will light up as throttle moves from ZERO to FULL	Select power level and hold throttle until you hear 2 short beeps	IF ANY LIGHTS REMAIN ILLUMINATED WHEN THROTTLE IS RETURNED TO ZERO, PROGRAM MODE IS NOT ACTIVATED AND BIKE WILL MOVE WHEN TURNING THE THROTTLE. MORE CAUTION!
ON	Release to ZERO	R, Y, G lights flash and 1 long beep is heard	
ON	ZERO	“SELECTED POWER MODE, LED WILL ILLUMINATE”	GREEN = TRAINING /HIGH POWER YELLOW = STANDARD/MEDIUM POWER RED = ADVANCED /LOW POWER

Repair & Maintenance

Tools Required:

- 2.5, 4, 5 mm Allen Wrench
- 8, 10, 15 mm socket or open spanner

Turn power switch to “OFF” position, allow Thumpstar TSE bike to be cool before beginning repair or maintenance:

- Read instructions.
- Ensure the power switch to the “OFF”.
- Ensure Thumpstar TSE bike has had adequate time to cool. (up to 30 minutes)
- Secure the Thumpstar TSE bike for repair or maintenance.
- Exercise caution around exposed parts.
- Contact Thumpstar customer service if unsure about any repair or maintenance.

Replacement Parts:

For the complete selection of replacement parts visit
www.thumpstarusa.com

Test Brake:

1. Squeeze brake lever and hold.
2. Push TSE bike forward. The rear wheel should not spin if brake is adjusted properly.
3. If rear wheel spins when pushed forward or brake lever engages prematurely, refer to “Adjust Brake”.

Repair & Maintenance

Adjust Brake:

1. To adjust brake cable:

a. Twist brake lever adjuster in or out, 1/4 to 1/2 turn at a time, until desired brake adjustment is attained.

b. If brake still needs further adjustment, proceed to step 2.

2. Determine if brake cable loose or brake rotor is dragged on brake pad or not:

a. Loosen brake hub barrel adjuster.

b. Adjust brake hub adjuster in or out until the desired brake adjustment is attained.

c. Lock brake hub barrel adjuster.

d. Perform final adjustment of tension in brake cable with brake lever barrel adjuster.

e. Repeat “Test Brake” section above

⚠ WARNING: Careful adjustment of brake is critical as the brake is capable of causing the TSE bike to skid the tire throwing an unsuspecting rider. Test and practice braking in an open area free from obstacles, in a straight line, until child is familiar with the brake function. Avoid skidding to a stop as this can cause child to lose control or damage the rear tire.

⚠ WARNING: Motor and Electronic Speed Controller (ESC) can be very hot and cause burns. It is critical that the Thumpstar TSE bike is allowed to cool prior to accessing motor and ESC!

Repair & Maintenance

Replace Rear Tire and / or Tube:

1. Remove foot rest.
2. Remove right side panel.
3. Loosen rear anchor bolt of brake assembly to release brake cable.
4. Remove brake assembly mount bolt.
5. Loosen rear axle nuts and remove chain adjuster assembly.
6. Push rear wheel forward and remove chain from motor sprocket.
7. Remove rear wheel.
8. Deflate tube and remove tire from wheel.
9. Install new tire and/or tube onto wheel.
10. Inflate to pressure recommended on sidewall.
11. Tension chain by pulling rear wheel outward with aid of chain adjuster, aligning the tire straight forward.
12. Tighten rear axle nuts, bolt securing brake hub and snug chain adjuster.
13. Tighten rear anchor bolt of brake assembly to capture brake cable.
14. Install right side panel.

Battery:

Refer to battery manufacturer documentation for proper battery maintenance.

Battery Disposal:

Your Thumpstar product uses sealed lithium batteries which must be recycled or disposed of in an environmentally safe manner. Do not dispose of a lithium battery in a fire; the battery may explode or leak. Do not dispose of a lithium battery in your regular household trash. The incineration, land filling or mixing of sealed lithium batteries with household trash is prohibited by law in most areas. Return exhausted batteries to a federal or state approved lithium battery recycler or a local seller of batteries. Many states have laws prohibiting the disposal of lithium batteries in the municipal waste stream. Check with your local state law.

Wheels/Tires:

Wheels and tires are subject to normal wear and tear. It is the responsibility of the user and parent to periodically inspect wheels and tires for damage and excessive tread wear.

Troubleshooting Guide

A fully charged battery must be installed prior to performing any troubleshooting and must **ONLY** be performed by an adult.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Power Switch is turned "ON", Thumpstar does not work	Battery not fully charged	Verify the battery is fully charged
	Wire harness connection error	Wire harness connection correct
The TSE bike stopped working while riding TSE bike stopped working while riding	Loose battery or wire connection(s)	Recharge or Replace battery
	Power switch faulty	Contact your local Thumpstar authorized service center for diagnosis and repair.
	Throttle faulty	
	Motor or electrical system damage	Do not exceed the weight limit of 80 lb (36 kg), ride on flat terrain.
	Rider weight / Terrain too steep	
Short run time/ runs slow	Battery not fully charged	Verify the battery is fully charged
	Old or damaged battery	Replace battery
	Tire is not properly inflated	Inflate tires to the recommended pressure on tire sidewall. Replace tube if unable to maintain pressure.
	Brakes are not adjusted properly	Adjust the brakes, ensure the brakes are not adding resistance to the disc in the free state
Runs intermittently	Loose connection(s)	Check for loose connections / wires
	Motor or electrical system damage	
	Water in electronics	Dry affected area and inspect for damage
	Faulty power switch	Contact your local Thumpstar authorized service center for diagnosis and repair Refer to "Adjust Brake" section
	Faulty throttle	
TSE bike does not stop when applying the brake	Brake is not adjusted properly	Adjust brake

For more troubleshooting tips, a list of available replacement parts, or to locate an authorized Service Center in your area, visit our website at www.thumpstarusa.com

Specifications

TSE 12 E3 - BASE

ENGINE AND TRANSMISSION

Engine	250w Brushless
Battery	Li 24v 5.2A-5c
Speed Mode	6 Speed (3 x Learning Speeds + 3 x Racing Speeds)
Starter	Throttle / Kick (Kick can be turned on/off)
Running Time	2 Hours
Charge Time	2-4 Hours
Final Drive	Hub Drive Motor (No Chain)
Top Speed	6, 10, 16 Kph / 4, 6,10 Mph

SUSPENSION, BRAKES AND WHEELS

Suspension Front	N/A
Suspension Rear	N/A
Brakes Front	N/A
Brakes Rear	Disc Brake
Wheel & Tyre Front	12-2.125
Wheel & Tyre Rear	12-2.125

DIMENSIONS AND WEIGHT

Wheelbase	690mm 27"
Seat Height	250mm + 100mm 10" + 4"
Weight (N.W/G.W)	11/12.2 Kg 24/27 Lbs
Max Load	75 Kg / 165 Lbs
Product Packing Size	860x225x440mm .1m3

Specifications

TSE 12 E3 - MAX

ENGINE AND TRANSMISSION

Engine	250w Brushless
Battery	Li 24v 5.2A-5c
Speed Mode	6 Speed (3 x Learning Speeds + 3 x Racing Speeds)
Starter	Throttle / Kick (Kick can be turned on/off)
Running Time	2 Hours
Charge Time	2-4 Hours
Final Drive	Hub Drive Motor (No Chain)
Top Speed	6, 10, 16 Kph / 4, 6,10 Mph

SUSPENSION, BRAKES AND WHEELS

Suspension Front	N/A
Suspension Rear	N/A
Brakes Front	N/A
Brakes Rear	Disc Brake
Wheel & Tyre Front	12-2.125
Wheel & Tyre Rear	12-2.125

DIMENSIONS AND WEIGHT

Wheelbase	690mm 27"
Seat Height	250mm + 100mm 10" + 4"
Weight (N.W/G.W)	11/12.2 Kg 24/27 Lbs
Max Load	75 Kg / 165 Lbs
Product Packing Size	860x225x440mm .1m3

Specifications

TSE 16 E3 - MAX

ENGINE AND TRANSMISSION

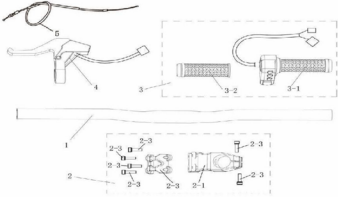
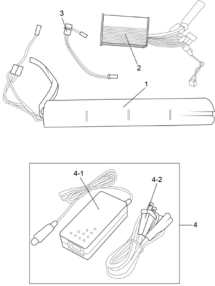
Engine	250w Brushless
Battery	Li 24v 5.2A-5c
Speed Mode	6 Speed (3 x Learning Speeds + 3 x Racing Speeds)
Starter	Throttle / Kick (Kick can be turned on/off)
Running Time	2 Hours
Charge Time	2-4 Hours
Final Drive	Hub Drive Motor (No Chain)
Top Speed	8, 13, 19 Kph / 5, 8,12 Mph

SUSPENSION, BRAKES AND WHEELS

Suspension Front	N/A
Suspension Rear	N/A
Brakes Front	N/A
Brakes Rear	Disc Brake
Wheel & Tyre Front	16-2.125
Wheel & Tyre Rear	16-2.125

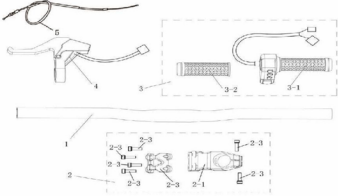
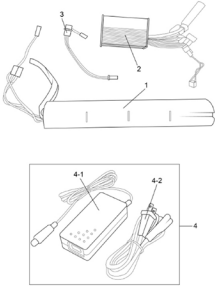
DIMENSIONS AND WEIGHT

Wheelbase	780mm 31"
Seat Height	480mm + 100mm 19" + 4"
Weight (N.W/G.W)	11/12.2 Kg 24/27 Lbs
Max Load	75 Kg / 165 Lbs
Product Packing Size	995x240x440mm .1m3

HANDLEBAR & BRAKE LEVER ASSEMBLY		POS.	PART NO.	US CODE	NAME	DESCRIPTION	QTY
	1		W060002		Handlebar	W:520mm, 6"	1
	2		W110002		Handlebar Stem Assy.	Ø 25.4, Ø 28.6mm,EXT:60mm,H:37mm,8"	1
	2-1		W110003		Handlebar Stem Seat	Ø 25.4, Ø 28.6mm,EXT:60mm,H:37mm,8"	1
	2-2		W110004		Handlebar Stem Upper	Ø 25.4	1
	2-3		X060004		Screw	M5x18	6
	3		D050001		Electric Handle Assy.		1
	3-1		D050006		Electric Handle with Right Grip		1
	3-2		W170001		Left Grip		1
	4		W160004		Brake Lever Assy.		1
	5		W180001		Brake Cable		1
BATTERY & CHARGER		POS.	PART NO.	US CODE	NAME	DESCRIPTION	QTY
	1		D010004		Battery-24V / 2.6AH	24V/2.6AH/Chinese	1
	2		A030004		Controller		1
	3		D030002		Charge Couple		1
	4		D020007		Charger Assy.	29.4V, 2A	1
	4-1		D020008		Charger	29.4V, 2A	1
	4-2		D020009		Power Cable		1

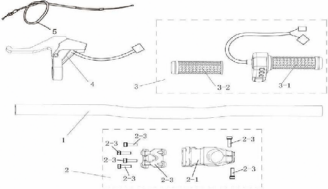
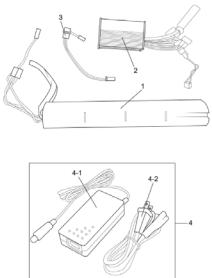
A detailed line drawing of a motorized bicycle. The bicycle features a standard diamond frame, a seat, handlebars, and two wheels with knobby tires. The front fork is uniquely designed with a motor unit mounted at the top, which appears to be a small internal combustion engine or electric motor. The motor is connected to the front wheel's axle, suggesting it provides power to the front wheel. The drawing is a technical illustration, showing the mechanical components and their assembly.

[illegible]

HANDLEBAR & BRAKE LEVER ASSEMBLY		POS.	PART NO.	US CODE	NAME	DESCRIPTION	QTY
	1		W060002		Handlebar	W:520mm, 6"	1
	2		W100002		Handlebar Stem Assy.	Ø 25.4, Ø 28.6mm, EXT:60mm, H:37mm, 8"	1
	2-1		W100003		Handlebar Stem Seat	Ø 25.4, Ø 28.6mm, EXT:60mm, H:37mm, 8"	1
	2-2		W100004		Handlebar Stem Upper	Ø 25.4	1
	2-3		X060004		Screw	M5-16	6
	3		D050001		Electric Handle Assy.		1
	3-1		D050006		Electric Handle with Right Grip		1
	3-2		W170001		Left Grip		1
	4		W160004		Brake Lever Assy.		1
	5		W180001		Brake Cable		1
BATTERY & CHARGER		POS.	PART NO.	US CODE	NAME	DESCRIPTION	QTY
	1		D010003		Battery-24V / 2.6AH	24V/2.6AH/Chinese	1
	2		A030001		Controller		1
	3		D030002		Charge Coupler		1
	4		D020007		Charger Assy.	29.4V, 3A	1
	4-1		D020008		Charger	29.4V, 3A	1
	4-2		D020009		Power Cable		1

A line drawing of a motorized bicycle. It features a motor mounted on the handlebars, a seat, a chain drive, and two large wheels with treaded tires. The frame is simple and functional, designed for utility or transport.

[illegible]

HANDLEBAR & BRAKE LEVER ASSEMBLY		POS.	PART NO.	US CODE	NAME	DESCRIPTION	QTY
	1		W060002		Handlebar	W:520mm, 6"	1
	2		W110001		Handlebar Stem Assy.	Ø 25.4, Ø 28.6mm,EXT:60mm,H:37mm,8", PROMAX	1
	2-1		W110005		Handlebar Stem Seat	Ø 25.4, Ø 28.6mm,EXT:60mm,H:37mm,8", PROMAX	1
	2-2		W110006		Handlebar Stem Upper	Ø 25.4, PROMAX	1
	2-3		J060004		Screw	M5x18	6
	3		D050003		Electric Handle Assy.		1
	3-1		D050007		Electric Handle with Right Grip		1
	3-2		W170001		Left Grip		1
	4		W100034		Brake Lever Assy.		1
	5		W180002		Brake Cable		1
BATTERY & CHARGER		POS.	PART NO.	US CODE	NAME	DESCRIPTION	QTY
	1		D010003		Battery-24V / 5.2AH	24V/2.6AH/Chinese	1
	2		A030003		Controller		1
	3		D030002		Charge Couple		1
	4		D020007		Charger Assy.	29-4V, 2A	1
	4-1		D020008		Charger	29-4V, 2A	1
	4-2		D020009		Power Cable		1

Parts Finder

Finding Parts at our website

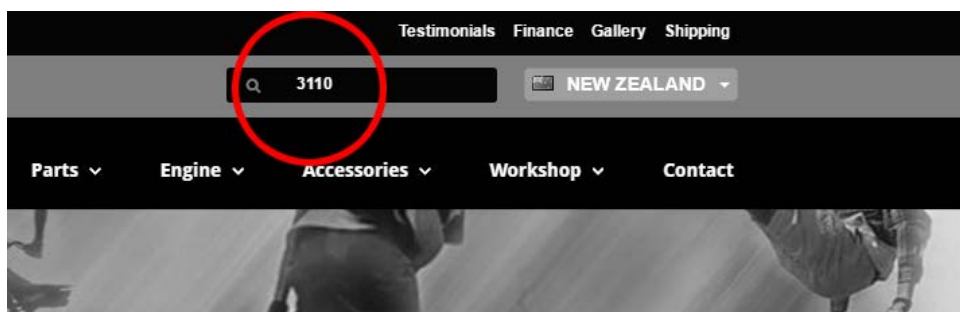
Websites

<https://www.thumpstarelectricbalancebike.com>

<https://www.thumpstar.com.au/>

<https://www.thumpstar.co.nz/>

- Go to our website then copy the part number or ERP CODE in our Spare Part Catalogue and paste it in the search bar then press enter or click the search icon beside it.



- After searching you will see the parts listed below the search bar

SUBSCRIBE

email address

SUBSCRIBE

Your search for "3110" revealed the following

PARTS

Brake
Chain & Sprocket
Frame & Footpeg
Graphic & Decal
Handlebar & Control
Muffler & Exhaust
Petrol Tank



Air Filter - 38mm - Straight | 3100

\$20.57

If you find a CHEAPER PRICE, we will guarantee to beat it, all

Warranty

THUMPSTAR LIMITED WARRANTY

Warranty registration should be online within 7 days of purchase.

THUMPSTAR warrants the product to be free from material and manufacturing defects from date of purchase as described below

- Frame – Three years
- Electrical system components, including battery and charger – 90 days.

This Limited Warranty will be void if the product is not used in accordance with the owner's manual, such as:

- Damage in an accident, crash or loss of control incident
- Used in a manner other than for recreation.
- Poorly or incorrectly maintained.
- Used in a manner in which this product was not specifically designed.
- Failure to follow owner's manual instructions or warnings
- Electronics or battery exposed to water.
- Modified in any way.
- Damaged by unauthorized service or parts.
- Used for commercial purposes.

This Limited Warranty does not cover any damage, failure or loss caused by improper assembly, maintenance, or storage.

THUMPSTAR is not liable for incidental or consequential loss or damage due directly or indirectly to the use or misuse of this product.

For your records, save your original sales receipt with this manual and write the serial number below. Serial number is located on the rear hub motor.

Serial Number (located on the hub motor): _____

Date Purchased: _____

Purchased From: _____

Disclaimer

Thumpstar will not be held liable under any circumstance for incidental or consequential loss or damage or injury, due direct or indirect use of this product, including any malfunction or defect.

Adult guardians assume all responsibilities associated with the use of these products by minors. It is not suitable for handicapped persons or persons with limited mental or physical capacities. Customers understand that the use of these products can cause injury or death to themselves or others. To reduce the risks of any such injuries we strongly recommend the use of safety equipment such as approved helmets and knee pads. The Buyer holds our company and its agents and affiliates harmless from any liability arising out of or relating to the use or ownership of any product. Purchaser fully accepts responsibility and releases the seller for all and any personal injuries, fatal injuries, any losses, costs, and damages incurred as a result of Purchaser's operation of this item. Purchaser is solely responsible when permitting other riders to ride this item, and assumes all responsibility in event of damages, injuries or fatal injuries etc. Purchaser is responsible for understanding and obeying all local and state laws for operation of this product. Once purchaser submits payment, This will serve as purchaser agreement to release the seller of any and all responsibilities of the item such as stated above.

By purchasing, you acknowledge that you have read and understood, and you agree, to the terms and conditions of this Agreement, and you represent that you are of legal age (age 18 or older) to enter this Agreement and become bound by its term.

While all care is taken, any errors and omissions in the item details are unintentional. Therefore, Thumpstar cannot be held liable for any errors or omissions on these adverts.



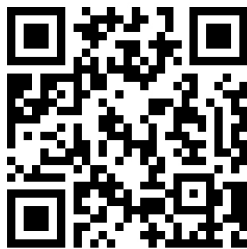
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E3 QR Codes

DATABASE



TROUBLESHOOTING



SERVICE

MANUAL



PARTS ORDERING

PARTS LIST



ENGINE LIST

ASSEMBLY

