Happy Trails Owner's Manual

Take down your serial numbers here!

(Go to page 20 to find your serial numbers)

Bike frame number

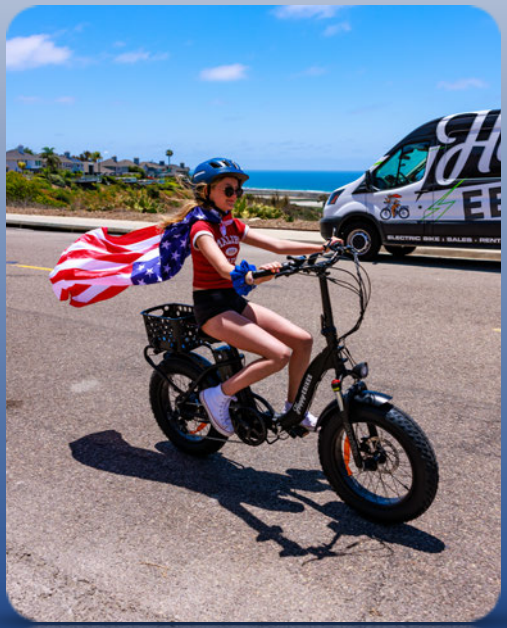
Battery serial number

Motor serial number

If you reset a security passcode via Display Setting, we suggest you write it down here in case you may forget:

Welcome to the club!

Congratulations on the purchase of your Happy EBike. Welcome to the world of EBikes! Whether you're tired of high gas prices or just looking for a fun and easy way to trek around your town, you've come to the right place. Happy EBike's was founded in Carlsbad, CA in 2020 at the start of the pandemic. Since our beginning, customer satisfaction in the riding experience has been top priority. From the inclusion of top-of-the-line components to expert technician assembly and warranty, Happy EBikes has become one of the most popular brands in the eBike community. So welcome to the club and ***Ride Happy!!***



About Manual

This manual contains details of the product, information on its operation and maintenance, and other helpful tips for owners. Read it carefully and familiarize yourself with the Happy EBike before using it to ensure safe use, reduce risk of damage and premature wear, and prevent accidents. Be sure to retain this manual as your convenient Happy EBike's information source.

This manual contains many Warnings and Cautions concerning safe operation, and consequences if proper setup, operation and maintenance guidelines are not followed. All information in this manual should be carefully reviewed.

The safety grade color of Caution is orange, and if not avoided, may result in moderate or serious injury.

The safety grade color of Warning is red, and if not avoided will likely result in serious injury or death.

Users should also pay special attention to information marked in this manual beginning with "NOTICE"

Because it is impossible to anticipate every situation or condition which can occur while riding, this manual makes no representations about the safe use of our bicycles under all conditions. There are risks associated with the use of any bicycle which cannot be predicted or avoided, and which are the sole responsibility of the rider. You should keep this manual, along with any other documents that were included with your bicycle, for future reference, however all content in this manual is subject to change or withdrawal without notice. Visit www.happyEBikes.com to download the latest version. Assembly and first adjustment of your Happy EBike requires special tools and skills, and it is recommended that this be performed by a trained bicycle mechanic if possible.

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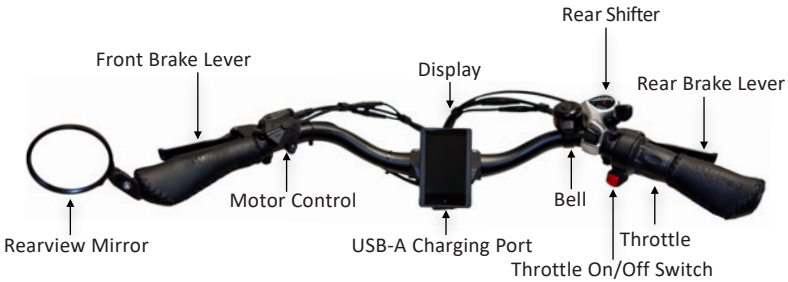
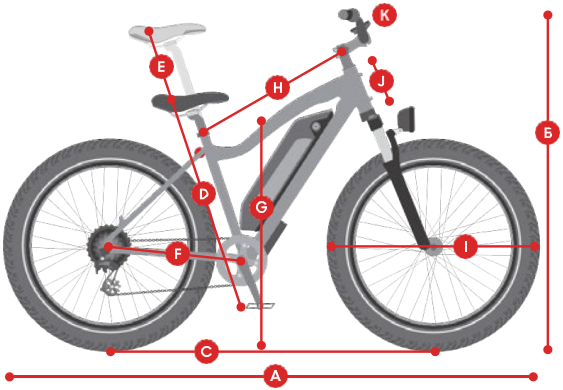
Component Overview



Happy Trails Component Specifications

Battery	48V 14.5Ah Samsung Lithium Pack	Charger	US Standard 2.8A UL Certified Smart Charger
Range	~45 miles	Controller	48v/25A
Motor	750W Bafang Brushless Hub Motor	Display	P850C Color Display
Total Payload Capacity	350lbs	Weight	68lbs
Recommended Rider Heights	5’4” - 6’8”	Pedal Assist Levels	3, 5, or 9
Tires	26”x3”	Throttle	Half Twist Throttle
Brake Levers	Aluminum alloy w/ motor cutoff switch	Front Fork	Alloy Front Suspension Fork w/ 80mm Travel
Taillight	Integrated Smart Taillight	Pedal	Alloy Pedals
Groupset	Full Shimano Tourney 7 Speed	Bike Frame	6061 Aluminum Frame
Brake	180mm Mechanical Disc Brakes	Headlight	Ambient Sensing LED Headlight
Chain	Weatherproof Coated Steel Chain	Saddle	Comfort Extra Wide w/ Suspension
Stem	Pro-Max Adjustable Stem	Seatpost	Diameter 30.4mm, Length 300mm
Crankset	170mm Forged Alloy	Kickstand	Heavy Duty Aluminum
Gearing	Shimano 14t-28t Casette	Spokes	13 gauge front / 12 gauge rear

HAPPY TRAILS SIZING



A- Total Length	1800mm
B - Handlebar Height	1180mm
C- Wheelbase	1180mm
D- Min Seat Height	880mm
E - Max Seat Height	1050mm
F - Chain Stay Length	500mm
G- Standover Height	800mm
H - Top Tube Length	570mm
I - Wheel Diameter	710mm
J - Head Tube Length	150mm
K - Handlebar Length	760mm

HAPPY TRAILS ASSEMBLY GUIDE

Preparation Checklist

Happy Toolset

Power Cable + Transformer

Pedals

Quick-release skewer

Headlight

NOTICE: Before assembling your bike, it's recommended to remove the battery for the reasons outlined below:

1. Determine if there's battery drain or damage during shipping.
2. Reduce the weight of the ebike to make it easier to maneuver the bike while assembling.
3. Avoid battery damage during the assembly process.

☛ Go to page 24 to learn about removing and charging the battery.

*Please go to our YouTube channel "Happy EBikes" to watch our assembly tutorial videos!

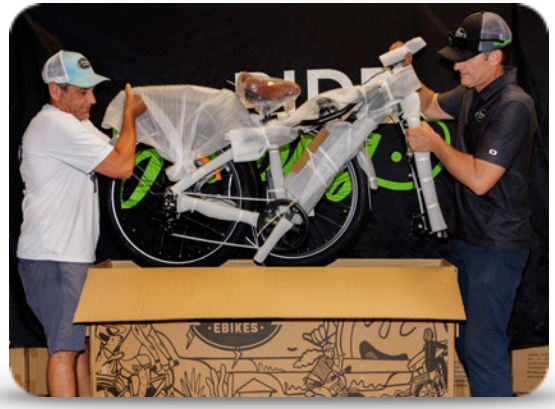
Recommended Torque Values

Location	Torque (NM)
Handlebar	12-18
Stem	12-18
Saddle	12-18
Front Wheel	15-22
Rear Wheel	30-38
Bottom Bracket Parts	30-50
Pedals	28-33
Disk Mounting Bolts	3-5
Disk Caliper Mount	6-8
Crank Bolts	32-36
Rear Derailleur Cable Pinch	3-5
Front Derailleur Clamp	3-6
Saddle Post Clamp	3-6

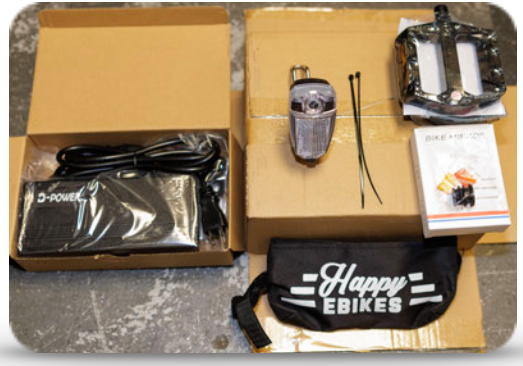
NOTICE: Using an impact driver to achieve the required torque is not recommended as it might cause damage. We suggest you use the wrench set we provided and extra tools to manually adjust nuts and bolts.

Unboxing your new Happy EBike!

Grab scissors and start unpacking!



Two is better than one..



Retrieve the box containing the items needed for final installation

Place the bike on the ground and begin cutting all the taped wrapping off the bike. Leave the fork protection insert on until you are ready to install the front wheel.

Stem Installation

Step 1: Use the 5mm Allen wrench to loosen your stem.

Step 2: Rotate the stem upward to decrease arm reach - stay within scribed limits

Step 3: After setting desired angle, hold both sides of the stem making sure it is tightened down while set within the grooves (no wiggle room when fully tightened).

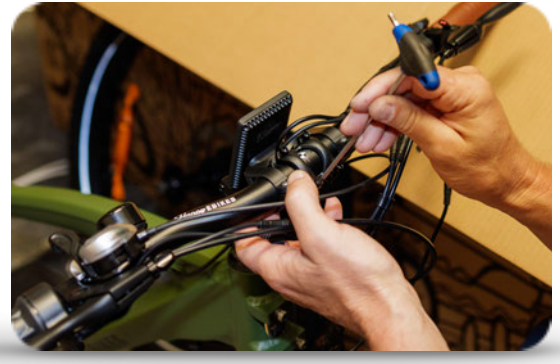
5mm Allen Wrench

Handlebar Installation

Step 1: Loosen the top handlebar mount and remove it. Place the handlebar in the groove of the bottom mount, making sure there is some slack in the front cables so the handlebar may rotate freely when steering.

Step 2: Tighten bolts to handlebar stem, but don't tighten completely as you may want to further adjust the angle later to align more precisely. Test the positioning, and adjust the handlebar to your preferred angle. After determining the best position, completely tighten all the bolts on the stem.

4mm Allen Wrench



4mm Allen Wrench

NOTICE: It is highly recommended to use a torque wrench using the specifications on page 10 for all bike adjustments. If hand tightening, be sure to cross diagonally tighten one bolt at time in small increments to give equal torque. Always check the stem and handlebars are secure before riding.

Front Wheel Installation

Step 1: Remove the plastic axle guards from the front wheel, being careful to avoid contact with the brake rotor set.

Step 2: Align the fork dropouts with the axle of the wheel hub, making sure the dropouts are securely positioned on the axle. Also ensure the brake rotor is properly inserted into the caliper.

Step 3: Prepare your quick-release skewer for the next step by removing the thumb nut and one of the cone springs.

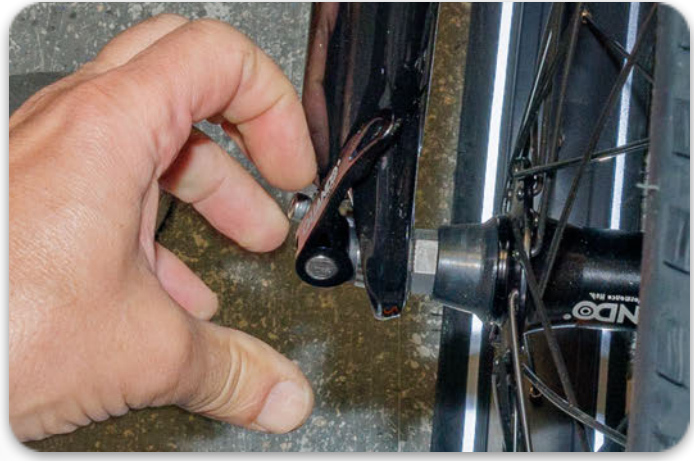
Step 4: Install the quick-release skewer starting ***opposite*** the brake rotor side of the wheel, inserting the quick-release skewer through the hub and then replacing the second cone spring on the other side. Ensure both springs are pointed narrow-side-in towards the wheel hub.

WARNING: Do not pull the brake lever without having either the red pad or the brake disc inserted, as this will damage the hydraulic brake caliper.

Step 4: Install the quick-release skewer starting **opposite** the brake rotor side of the wheel, inserting the quick-release skewer through the hub and then replacing the second cone spring on the other side. Ensure both springs are pointed narrow-side-in towards the wheel hub.

Step 5: Tighten the thumb nut until the quick-release lever is held in line with the axle, and then use your palm of your hand to close the quick-release lever.

Step 6: Rotate the front wheel. Make sure the quick release skewer lever on the front wheel is fully closed, and check the wheel balance in Pedal-Only Mode. If you notice the riding is imbalanced or the rotation of the front wheel makes noise, it means the bolts were not completely tightened or not aligned horizontally.



Headlight and Front Fender Installation

The headlight and front fender are both secured by a single bolt, so the front fender must be installed together with the headlight. If you prefer not to have a front fender, you may install the headlight by itself.

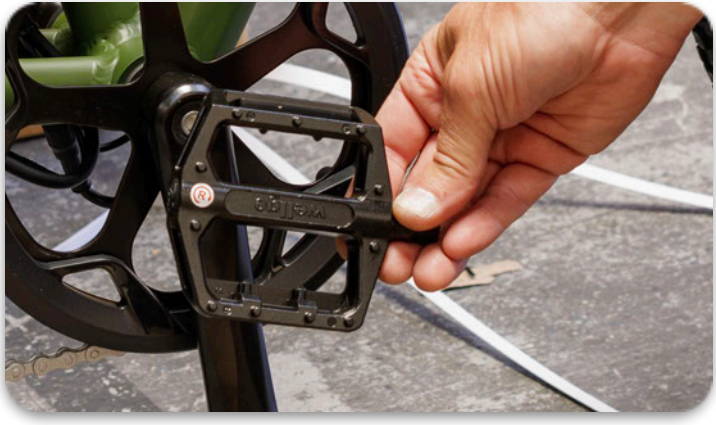
NOTICE: The bolt extractors can be found in the Happy EBike folding hex key set.

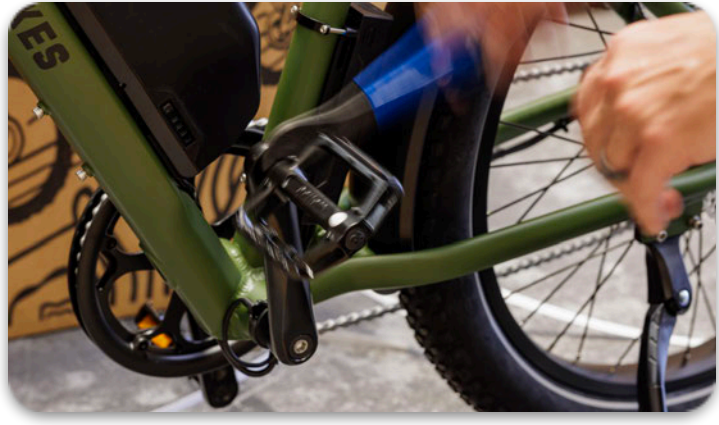
Step 1: Loosen the bolt on the fork brace. Align the bolt holes of both your headlight and the front fender together with the hole on the fork brace, then reinsert the bolt through all holes and tighten the bolt with a 5mm hex wrench and a 10mm bolt extractor holding the nut.

Pedals Installation

Pedals Installation (15mm wrench)
Make sure your pedals are installed on the correct side, as installing on the wrong side will damage the threads. Indicators for the right pedal (R) and the left pedal (L) can be found in two places: the stickers on the plastic cover, and the bottom of the pedal threads.

Start threading the pedal on by hand to ensure the pedal is going in perfectly straight, the left pedal threads in **counter-clockwise**, the right pedal threads in **clockwise**. If it is not spinning smoothly, make doubly sure that you have the correct left or right pedal. After initial hand-tightening, finish tightening the pedals with a standard 15mm wrench.





Mirror Installation

Step 1: Remove the mirror assembly from the packaging and connect the

Step 2: Insert the expanding end of the mirror into the **left** handlebar. Rotate the 4mm Allen wrench **clockwise** to tighten/expand the mirror into place.

Seat Installation

Adjust the Seat Height:

Open the seat-post quick release lever. Adjust the seat-post height by sliding the seat-post up or down to a height appropriate for your leg length and preferred riding position. Do not extend the seat-post beyond the minimum insertion marking etched onto the seat-post. Use the “two finger” rule for adjusting the lever tightness — meaning it should always take at least “2 finger strength” to open and close it.

Adjust Seat Angle:

Use the 5mm Allen Wrench to loosen the rear (2 bolt style) or center (1 bolt style) clamping mechanism to adjust the seat angle or fore/aft rail position. Do not exceed the limit markings, to ensure the safety of yourself and the bike.

Tighten the seat adjustment bolt. Ensure the top and bottom of the seat rail clamp are aligned, so that the seat adjustment bolt will clamp the seat rails together properly.

NOTICE: The seat angle has been pre-adjusted to factory safety standards. Please make note of original settings, and only adjust if necessary.

WARNING: Overextending the seat-post can cause it to break or come off your bike, putting you at very high risk of serious injury or death. Avoid this danger by inserting your seat-post into the seat tube far enough that the minimum insertion point is no longer visible.

Warranty Serial Number Locations

Please write down the serial numbers found on the head tube, battery and motor on the inside front cover of this manual to facilitate failure reporting. Make sure each letter and number is correct.

Bike frame number

Motor serial number

Battery serial number

Safety Checklist

Component	Basic Steps
Brakes	- Test front and rear brakes for proper function - Ensure Brake Pads are not over-worn and are correctly positioned in relation to the rims - Make sure the brake control cables are lubricated, correctly adjusted and display no obvious sign of wear - Check that brake control levers are lubricated and tightly secured to handlebars
Wheels and Tires	- Inflate tires to within recommended limits displayed on the sidewalls - Check for bulges or signs of excessive wear - Clean tires to ensure tread is exposed - Ensure rims run true and have no obvious signs of wobbles or kinks - CHeck that all wheel spokes are tight and not broken - Check the wheel balanced with power assist in “0”. If you notice the riding is imbalanced or the rotation of the front wheel makes noise, it means the bolts were not completely tightened or aligned horizontally
Chain	- Check that the chain is oiled, clean and runs smoothly - Use extra care in wet or dusty conditions
Cranks and Pedals	- Securely tighten pedals to cranks - Ensure cranks are securely tightened and are not bent
Derailleurs	- Check that the derailleur(s) are adjusted and functioning properly - Ensure shift and brake levers are attached to handlebar securely - Check all brake and shift cables for proper lubrication
Motor Drive	- Ensure hub motor is spinning smoothly and motor bearings are in good working order - Check that all power cables running to hub motor are secured and undamaged - Make sure hub motor axle bolts are secured and all torque arms and torque washers are in place
Battery Pack	- Ensure battery is charged before use - Check for any visible damage to battery pack - Lock battery securely to frame

Safety Precautions

The following safety notes provide additional information on the safe operation of your Happy EBike bike and should be closely reviewed. Improper operation, or failure to confirm correct installation, compatibility, and maintenance of any component or accessory may result in serious injury or death.

◆ Before Riding

- All users must read and understand this manual before first use. Additional manuals for components used on your bicycle may be provided and should also be read before use.
- Ensure you understand all instructions and safety notes/warnings.
- Follow the safety checklist on page 21 before first use and at regular intervals to ensure correct tightening and setup of your bicycle.
- Ensure the bike fits you properly before first use. Check local rules and regulations before riding.
- It is your responsibility to familiarize yourself with the laws and requirements of operation of this product in the area(s) where you ride.

◆ While Riding

- Always wear an approved bicycle helmet whenever using this product and ensure that all helmet manufacturer instructions are used for fit and care of your helmet. Failure to wear a helmet when riding may result in serious injury or death.
- Acceleration can be unexpectedly strong in pedal assist mode (Pedal Assist level 1-5), as when you pedal the motor assist will suddenly engage. Therefore, please pay careful attention when riding. We suggest you use Pedal Only Mode (Pedal Assist level 0) when you need to ride at a slow speed to cross roads, at intersections, or when pedestrian traffic is present, in order to avoid accidents caused by sudden acceleration.
- Make sure you securely close the quick-release lever of the front wheel, checking the wheel balance in Pedal Only Mode. If you notice the riding feels imbalanced, or the rotation of the front wheel makes noise, it likely means the bolts were not completely tightened or didn't align horizontally in the center.
- Off-road riding requires close attention and specific skills, and presents variable conditions and hazards which accompany the conditions.
- Wear appropriate safety gear and do not ride alone in remote areas.

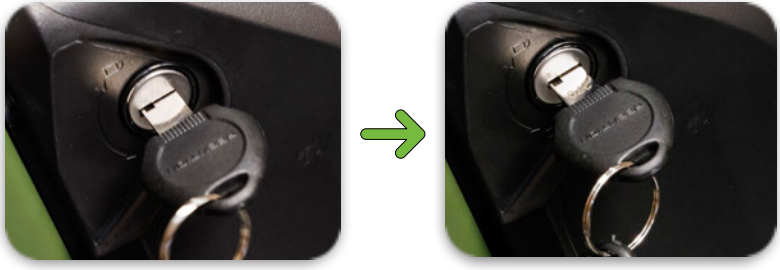
Battery Lock and Removal

Step 1: Find the keys located on the handlebar (fig. 1) and remove them. If you cut them from the handlebars, be careful not to damage any of the wires.

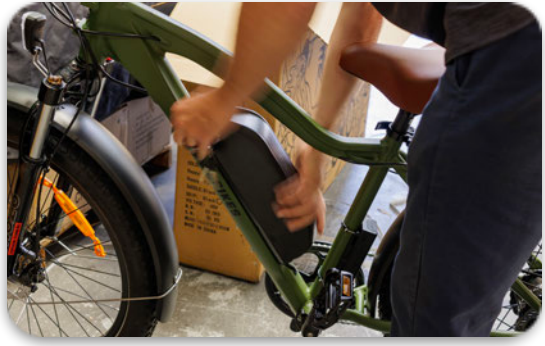
Figure 1

Figure 2

Step 2: Rotate the key to the unlocked position to release the pin that locks the battery into the bike frame.



NOTICE: Please keep your key and its spare in a safe place. Once lost, they are difficult to copy. The key number correlates to the number on the keyhole (fig. 2).



Step 3: With both hands grab the battery from the bottom and top, sliding upward ~1 inch to remove it from the bracket.

Battery Use and Care

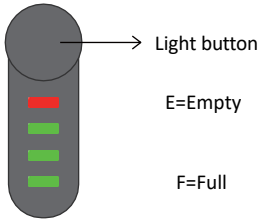


Figure 1

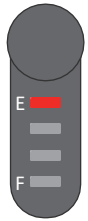


Figure 2

Figure 3

Checking Charge Level:

With the battery in the ON positions the charge level can be checked by pressing the indicator button.

- When all four bars are lit as shown in Figure 3, the battery is fully charged
- When only the red "E" bar is lit as shown in Figure 4, the battery is empty and needs to be charged before riding further

Safest way to charge your battery:

First, assemble the charger by inserting the plug (Plug 1) into the transformer. Then insert the DC plug (Plug 2) into the battery charging socket. Last, insert the power plug (Plug 3: 110/220 volt plug) to the power socket. This order helps extend the battery life and effectively reduces battery damage caused by improper charging. The charger works on 110/220 V 56/60 Hz standard home AC power outlets. Do not open the charger to select voltage input as the charger can automatically detect and account for incoming voltage.

NOTICE: Please write down the serial number found on the battery beneath the barcode (fig. 3) on the inside front cover of this manual to facilitate failure reporting. Products that have the serial number and/or barcode removed, defaced, damaged, altered, or made illegible will not be covered by the warranty.

Charging your battery:

Step 1: Check the battery indicator on your display.

Step 2: Assemble the charger as shown in Figure 1 by inserting the plug (Plug 1) into the transformer.

Figure 1

Figure 2

Step 3: Remove the rubber cover on the charging socket and insert the DC plug (Plug 2) of the charger into the battery charging socket (fig. 2).

Step 4: Connect the power plug (110/220 volt plug) to the power socket.

NOTICE: This order helps extend the battery life and effectively reduces battery damage caused by improper charging.

After Charging

1. Please unplug the main power supply first by removing the plug from the power socket, then remove the DC port from the battery. You can then check the battery status on the display screen
2. Insert the battery with caution, making sure that the slots at the bottom of the battery align with the pins on the bike frame, and slide in carefully to avoid damaging the interior circuitry.
3. Lock the battery when finished to prevent theft.

Charging Tips

- The battery can be recharged on or off the bike.
- A new battery may take longer to be fully charged when depleted.
- The charger will automatically stop charging once the battery pack is fully charged.
- You can recharge the battery after short rides as it does not have a memory effect.

Precautions

- While charging, please keep your battery away from direct sunlight, liquid, dirt or debris, and metal objects. Do not allow the battery to be charged in environments under 14° Fahrenheit (-10° Celsius) and over 104° Fahrenheit (40° Celsius).
- Do not cover the charger when charging.
- Keep the battery away from children while charging.
- Make sure to only use an approved Happy EBike charger purchased directly from Happy EBike for your specific bike serial number.

Before Riding

Ensure that the battery has been properly secured to the bike before each use by grasping the battery pack and pulling upwards, testing the security of the pack.

NOTICE: If your battery displays abnormal charging behavior, such as:

- Longer-than-expected charge time
- Strange smell, smoke, or liquid emanating from battery and/or charger
- Overheating battery and/or charger:

Please stop charging and contact Happy EBikes immediately.

Battery Maintenance (48V 14.5aH Samsung Lithium Cells)

- Do not fully drain your battery. Turn off the power when the battery charge is low.
- Fully charge the battery after each use, no matter how much power is used. This will prolong the battery life. If battery power is not used for a long time, store the battery with a full charge and charge it once a month.
- The Happy EBike can be safely ridden in light rain. However, riding through very heavy downpours or through flooded streets is not recommended, as the crank and/or motor can get wet, which may cause damage.
- Keep the battery away from open flame and other high-temperature heat sources. Do not expose the battery to direct sunlight or recharge immediately after use in high-temperature weather.

Charger Care Information

Only use the included charger with your new Happy EBike. Using off brand chargers that aren't properly regulated or UL certified can increase the risk of overheating and fire. Do not mix/match battery chargers from different EBikes or use one from another type of electrical device. It is good and common practice to label your matching battery, charger and cables.

Battery Care Tips

- Keep the battery dry at all times and charge only dry locations.
- Store the battery at temperatures between 50-70° Fahrenheit and avoid long periods of direct sunlight or excessive heat
- Leave the battery around 80% charge for long term storage. It is better for the cells longevity to be slightly discharged during extended storage
- Set up a dedicated charging station that is distant from flammable materials. Have all the necessary tools ready in a worst case scenario - Fire extinguisher, smoke detector, etc.
- Treat the battery with general care and avoid dropping or overcharging it for long periods of time

NOTICE: It is not recommended to make any modifications to the battery or the motor. If the battery is tampered with, and there are any problems with the altered battery or motor, it will not be covered under Happy EBikes warranty.

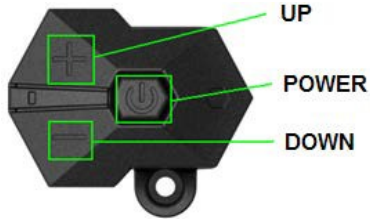
Happy EBikes Use and Care

The following table of contents provides general guidance on Happy EBike variable power assist settings and their effects on both range and performance. This content will apply broadly to most riders, but multiple factors will affect individual results including rider fitness and weight, terrain, proper maintenance, etc. While Happy EBikes hopes and believes you will thoroughly enjoy your e-bike, no guarantees of universal performance characteristics for all owners can be given.

Power on/off and changing assist motor level:

When the battery is in the ON position, press and hold the POWER button until your display turns on. If the screen does not boot, check your battery level indicator and confirm the modular connections from display to controller are secure (about 6" down from display mount).

The same method in reverse will power off the display. Default settings will auto sleep the display after 5 minutes of inactivity.



How to change pedal assist level:

When at the main speedometer menu, short press the **+** or **-** to cycle through the 5 pedal assist levels. 0 being off, 5 being max. Happy EBikes recommends all riders to start at level 1 in a safe isolated area to get familiar with the motor feel.

Cycle through trip reports and how to reset them:

When at the main speedometer menu, short press the POWER button to cycle through 6 different trip meters. These are indicated by the 3 dots on each side of the display.

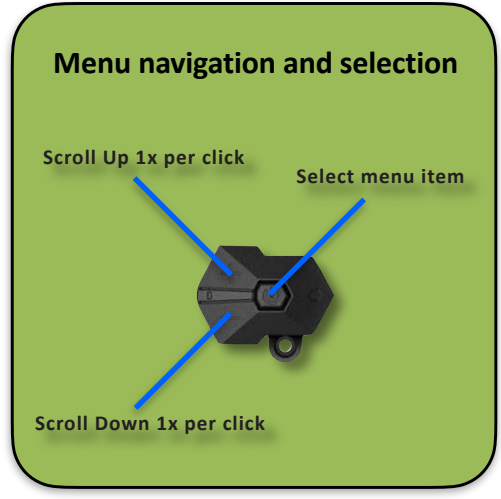
To zero them out, HOLD the **+** *and* **-** for a few seconds until reset.

Forcing on the front and rear lights:

Every Happy EBike comes with an ambient sensing taillight and headlight. At lower levels of sunlight the sensors will automatically power on to give the rider better visibility. It is recommended to force these lights on during the day when around excess traffic and pedestrians for better safety. To do so:

Press and **HOLD** the **+** button for 3 seconds while on the main speedometer menu. The lights will turn on and the display will reflect this change as referenced below:

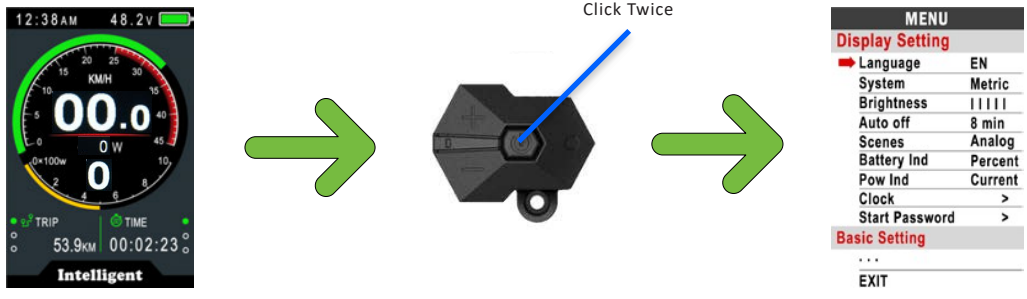
Daytime mode | Night mode



How to enter the settings on your display:

Various settings can be changed on the P850C display, such as clock/unit of measurement/light sensitivity and many more. For safety reasons, these settings cannot be accessed when the bike is moving.

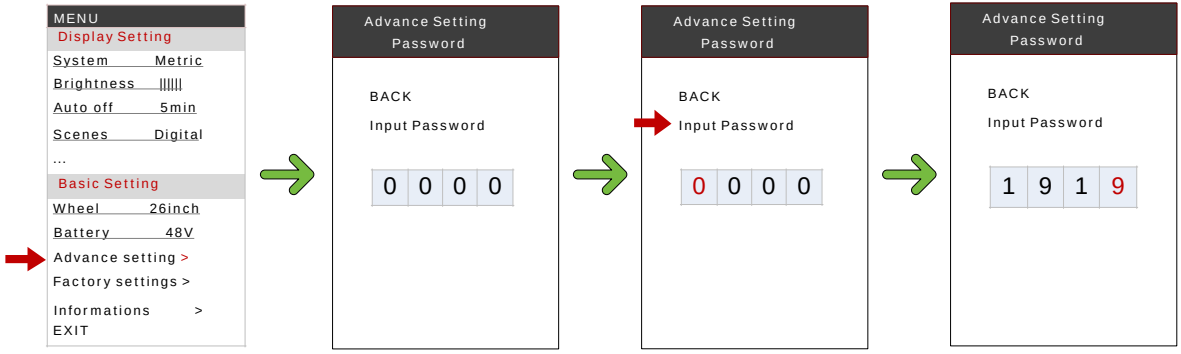
To enter the setting configuration menus **DOUBLE CLICK** the **POWER** button while at the main speedometer menu.



Accessing advanced settings:

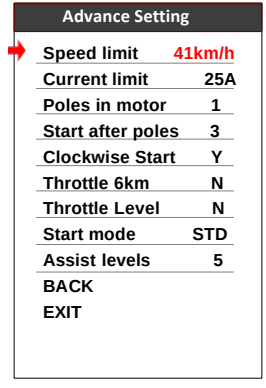
Accessing the advance settings in your display gives the option to make certain customizations some riders may find useful. For example, within these advance settings you can specify a top speed for the pedal assist. Or change how many levels and what percentage of max power each level gives. There are settings within these menus we do not recommend changing, but many parents will want access to these settings to limit the max speed their children can ride.

Enter the basic menu settings and select the three dots to find “Advanced settings“. From here select “input password” and enter the stock password of **1919**. Use the same controls for the menus to enter the passcode.



Changing the top speed:

From here you can easily modify the top speed of your Happy EBike. 41km/h - which equals ~25 mph, is the max speed available. Do not change any settings related to the current limit, poles in motor, or clock wise start.



Description of miscellaneous settings:

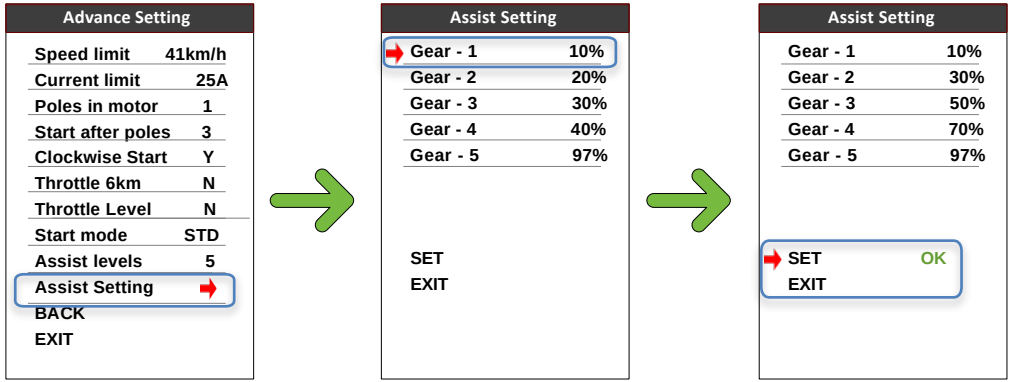
Throttle 6km - limit throttle assist to 6km/h

Throttle Level - throttle assist matches percentage value for each level of pedal assist

Start mode - Standard, ECO, Power. Each mode slightly alters the value of current limit at the start of use. Usually best to leave on standard.

Adjusting power assist settings:

Each power assist level is based on a percentage of the max motor power. These levels are customizable and it is recommended to adjust them to your needs. Below is an example of how the default settings arrive and a recommended adjustment. Simply click through the menus using the motor control buttons, adjust the gears to your liking, and save them by clicking "SET". A green OK will confirm they are applied and you may now exit.

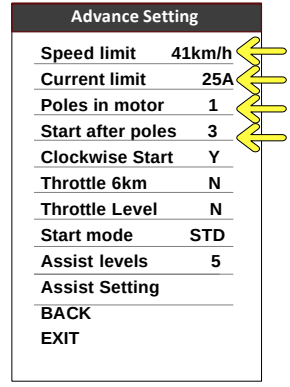


Default Advanced Settings (Trails and Camper Specific):

If the display is ever replaced, be sure to check these advanced settings to calibrate the speedometer for Happy Trails or Happy Camper EBikes.

Default Settings:

- Speed Limit: 41km/h Max (~25mph)
  - Class 3 EBike Regulated to 25mph by law
  - Factory settings may default to 32km/h but can be increased to 41km/h max
- Current Limit: 25A
  - Energy flow from battery to motor, leave at 25A
- Poles in motor: 1
  - Related to speed calibration between motor and display, Trails and Camper use setting "1"



General Guidance

Riding Modes

◆ Pedal-assist

Pedal-Assist is an operating mode on e-bikes designed to engage the motor to assist, but not replace, your own pedaling effort. When you are operating your bike in the pedal assist mode, you can adjust the setting according to your preference. Happy EBikes has 5 pedal assist settings - ranging from 1 to 5 (adjustable in settings).

- Higher pedal settings (L4/5) would be most helpful for those who want to ride faster with minimum effort. These settings are perfect for people who want to arrive fresh and timely at work, without being sweaty and exhausted.
- Lower pedal settings (L1/2) are popular for Happy EBike riders to use after work, or when leisurely exercise is preferred. These are best to use on the way home from work, to refresh yourself and relieve stress accumulated throughout the entire workday. Moreover, lower settings can extend usable range for longer rides, maximizing enjoyment while minimizing physical stress and fatigue.

◆ Throttle-only

The throttle mode is similar to how a motorcycle or scooter operates, alleviating the need to pedal or providing an additional boost simply by twisting the throttle.

Happy Trails can reach speeds of up to 22 miles per hour with throttle mode, which not only allows you to travel faster, but also reassures riders with extra power whenever needed, depending on traffic conditions and rider energy levels. If you are an adventurer who chases after speed and distance without compromising comfort or safety, the throttle-assisted Happy EBikes would be your perfect companion.

◆ Pedal-only

In this mode, the Happy Trails will perform like a normal bike, as you'll be riding without any assistance from the motor. This mode is especially useful if you run out of battery, or are looking for more intensive resistance training.

We suggest that you select a lower assistance level when you first ride your Happy EBike. After becoming more comfortable with the riding characteristics of our e-bike, and more familiar with the varying range requirements of your most common destinations and commuting routes, you can then make any needed adjustments to pedal assist settings, as well as throttle use frequency, riding position, etc.

Riding Limitations

Following are some limitations needing riders' careful attention to ensure the hub motor does not overheat or become damaged from excessive loading:

- Do not attempt to ride up hills steeper than 15% grade.
- Use the pedals to assist the motor when climbing hills and accelerating from a stop.
- Avoid sudden starts and stops.
- Generally accelerate at a moderate pace, rather than aggressively.

Parking & Transport

Follow these basic parking, storage, and transport tips to ensure your bike is well cared for, both on and off the road:

- When walking with the bike, turn off the power to avoid accidental acceleration, or use Walk Mode.
- Though our bikes are water resistant (IPX4 Water Resistance), please do not park your bike outdoors in cold or inclement weather for extended periods.
- When parking, switch the power and any lights off to conserve battery, remove the key from the bike, and ensure the battery is secured and locked to the frame.
- In public places, help keep your Happy EBike safe and secure from theft by always locking it up.
- Make sure to not park, store or transport your Happy EBike on a rack that is not designed for the size and weight of the bike. When storing or carrying your bike on a rack for transport, remove the battery to reduce the weight and make lifting or loading easier.

Carrying Loads & Cargo

Total Payload Capacity of Happy Trails: 350 lbs Fully Assembled weight: 68lbs

The following list provides important tips for the safe operation of the Happy Trails when used for carrying cargo:

1. Make sure to load the cargo as low as possible to lower the center of gravity and improve stability.
2. Ensure your loads are properly secured and periodically check that nothing has loosened.
3. Plan your route accordingly when cargo is loaded on the Happy Trails, considering hill climbing ability, steering, and braking. Also account for moderately reduced range when carrying extra cargo weight (or an additional passenger).
4. Try to get a feel for the cargo load in a flat and open private area before riding on public roads.
5. Make sure to not use the front brake by itself, with or without cargo. Always apply the rear brake first followed by the front brake. Failure of the front fork or loss of control is possible when the front brake is operated independently, especially at higher speeds.
6. The kickstand is not designed to hold the bike upright with cargo by itself, always manually hold the bike upright when loading or carrying cargo.

Safety and Care Instructions

To ensure safe riding conditions and maximize e-bike longevity, you must follow the guidelines outlined below:

- To clean the EBike, wipe the frame with a damp cloth soaked in a mild, non-abrasive, non-corrosive detergent mixture. Wipe or spray all unpainted parts with anti rust treatment after being used in coastal areas or areas with salty air or water.
- Never immerse the bike or any components in water, as the electrical system may be damaged. If the hub and bottom bracket bearings have been submerged in water, they should be removed and re-greased (this will prevent accelerated bearing deterioration).
- Periodically check wiring and connectors to ensure there is no damage, and the connections are secure.
- Store under shelter, avoiding extended exposure to cold or inclement weather. If exposed to rain or excess moisture, dry your bicycle afterward and apply anti-rust treatment to the chain and any other unpainted steel surfaces.
- Regularly clean and lubricate all moving parts, tighten components and adjust as required.
- Your cables, spokes, and chain will stretch after an initial break in period of 80-160 km, and additionally bolted connections can loosen with time and usage. Therefore, we suggest you contact a certified bicycle mechanic every two months to ensure your bike is safe and problem-free for years of use.
- If the paint has become scratched, or the metal chipped, use touch-up paint to prevent rust (clear nail polish can also be used as a preventative measure).
- Damage from corrosion is not covered under warranty, therefore special care should be given to protect and extend the life of your bike.

Maintenance

◆ Battery Maintenance (48V 14.5aH Samsung/LG Lithium battery)

1. Don't fully drain your battery. Turn off the power when the battery charge is low.
2. Fully charge the battery after each use, no matter how much power is used. This will prolong the battery life. If the battery is not used for a long time, store the battery with a full charge and charge it once a month.
3. The Happy EBike can be safely ridden in light rain. However, riding through very heavy downpours or through flooded streets is not recommended, as the crank and/or motor can get wet, which may cause problems.
4. Keep the battery away from open flame or a high-temperature heat source. Do not expose the battery to direct sunlight or recharge immediately after use in high-temperature weather.

◆ Motor Maintenance （750W brushless gear hub motor with 80Nm of torque）

1. Please check your motor frequently and tighten any loose screws or nuts, to prevent the vehicle from breaking down due to disconnected wires.
2. The brushless motors are not waterproof, so avoid riding through water deeper than the lower edge of the electric wheel hub to avoid motor failure.

◆ Chain Maintenance

1. We recommend cleaning the chain after each ride, especially in rainy and humid environments. Use a dry cloth to wipe the chain and its accessories clean. Use a brush to remove sand and dirt stuck in the chain, along with use warm soapy water if needed. Do not use strong acidic or alkaline cleaning agents (such as rust remover), because these chemicals can damage the chain.
2. Apply lubricating oil after cleaning to avoid rust. First, make sure the chain is dry, and then apply the lubricating oil into the bearings.
3. To prevent unnecessary chain wear, try to maintain a vertical chain position when shifting gears (do not use the smallest gear with the smallest flywheel, or the largest gear with the largest flywheel, etc.).

◆ Front Fork Maintenance

1. Always use a clean, oil-free lint-free cloth with plain or soapy water to clean your bike. To prevent water from flowing into the front fork, you can turn the bike upside down. Dry with a lint-free towel after washing. Pay specific attention to the inner tube and the dust seal to reduce wear and prevent thinning of the inner tube, which can lead to significant damage if the aluminum is exposed to air.
2. We recommend using a front fork dust cover to protect the inner tube of your front fork. This prevents dust from entering as well as hard objects from hitting the inner tube.

HAPPY EBIKES

TERMS AND CONDITIONS OF SALE

These terms and conditions (this "Agreement") shall apply to all Orders (as later defined) entered into by and between you as a buyer ("you", "your," or "Buyer") of a Product (as later defined) and the seller of such Product, whether such seller is Ezee Bikes, LLC (a Wyoming limited liability company dba Happy Ebikes) or any authorized distributor of Ezee Bikes, LLC ("we," "our," "us,"or "Seller"). Seller shall accept orders, sell Products, and do business only upon these terms and conditions. Any additional or different terms in Buyer's purchase order (if any) or other purchase documentation are invalid and void.

DEFINITIONS. In addition to any terms specifically defined elsewhere in these Terms and Conditions of Sale, the following terms shall have the meanings set forth below.

"Accessory" means an item which is listed in the Happy Ebikes product catalog and intended to work with, go on, or otherwise be compatible with an Ebike sold.

"Ebike" means a Happy Ebikes branded ebike sold by Seller.

"Hardware" means the physical parts of the Ebike and Accessories only (i.e. excluding the Software).

"Order" means, collectively, any order for Products and/or Services by Buyer and accepted by an authorized representative of Seller.

"Party" shall mean either Buyer or Seller, and "Parties" means Buyer and Seller collectively. "Products" means the Ebike and Accessories set forth in any Order.

"Services" means the services performed by Seller, which may include, among other things, assembly or maintenance of an Ebike.

Price. If any price quotation is stated on the face hereof, such price quotation shall be good only for a period of thirty (30) days from the date of such quote. Thereafter, the price for Products and/or Services sold hereunder shall be the Seller's price in effect as of the date of shipment. All prices are F.O.B., the Seller's place of business, unless otherwise stated. Prices also do not include any federal, state, or local taxes or other governmental charges upon or with respect to the sale, purchase, manufacture, delivery, storage, processing, use, or consumption of any of the Products and Services hereby. Prices are stated and payable in U.S. dollars.

Cancellation. Buyer may not suspend or cancel orders placed with Seller, except with Seller's prior written consent and then only if Buyer reimburses Seller for all losses incurred due to such suspension or cancellation, including without limitation, all incidental and consequential damages and expenses arising therefrom. Direction from Buyer to suspend or cancel any order may be treated as repudiation, making Buyer immediately liable for loss, expense and other damages sustained.

Delivery. If the Products involve the provision of Services, title and risk of loss to such Products shall pass to Buyer upon delivery of the Services to Buyer. In all other cases, title to and risk of loss for the Products shall pass to Buyer upon delivery of the Products by Seller to the common carrier for delivery. If Buyer does not specify shipping instructions, Buyer hereby authorizes Seller to make shipping arrangements on buyer's behalf and Buyer shall be responsible for all costs and expenses associated therewith. All timeframes provided by Seller, whether verbally or in writing, are good faith estimates of the expected delivery date for the Products and/or Services. Seller shall use commercially reasonable efforts to fill Buyer's orders within the time stated but in no event shall Seller be liable for any damages associated with Seller's inability to meet any such timeframes or deadlines, including but not limited to incidental or consequential damages arising therefrom.

Inspection & Acceptance. Buyer shall inspect all Products and Services within ten (10) days after receipt thereof. Buyer's payment shall constitute final acceptance of the Products and/or Services and shall act as a waiver of the Buyer's rights to inspect or reject the Products or Services unless otherwise agreed. If Buyer rejects any merchandise, Buyer must first contact Seller before returning any Products to Seller. Products returned without contacting Seller will be refused. Seller will not be responsible for any shipping costs, damages to Products, or any other costs or liabilities pertaining to Products returned without contacting Seller prior to return. Seller shall have the right to substitute a conforming tender. Buyer will be responsible for all shipping costs to and from Buyer and repackaging costs, if any, if Buyer refuses to accept shipment. If Products are returned in unsalable condition, Buyer shall be responsible for full value of the Products. Buyer may not return any special-order Products. Any Products returned hereunder shall be subject to a restocking fee equal to_% of the invoice price.

Assembly. If Buyer purchases any Products that require assembly and Buyer does not place an Order with Seller for such assembly, Buyer shall, at its expense, make all arrangements and connections necessary to assemble, install, and otherwise operate the Products properly. Buyer shall assemble the Products in accordance with any Seller instructions or recommendations and shall, in addition to any other indemnity set forth herein, indemnify Seller against any and all damages, demands, suits, causes of action, claims and expenses (including actual attorneys' fees and costs) arising directly or indirectly out of Buyer's failure to properly assemble, install, or otherwise operate the Products.

Specifications. Seller may, at its option, make changes in the designs, specifications or components of the Products to improve the safety of such Products, or if in Seller's judgment, such changes will be beneficial to their operation or use. Buyer may not make any changes in the specifications for the Products unless Seller approves of such changes in writing, in which event Seller may impose additional charges to implement such changes.

EBike Performance and Maintenance. Buyer is responsible for using the Products properly and safely and in accordance with any applicable laws and as otherwise set forth in manuals and instruction sheets furnished by Seller. The information regarding the expected range on a single charge on the Ebikes is an estimate, not a guarantee. There are many factors that contribute to actual, real-world range for an Ebike battery such as age of the battery, temperature, level of assist, speed, payload, and terrain. Given the right conditions, it is possible to get less than the expected minimum range or greater than the expected maximum range. Further, Buyer acknowledges that Ebikes are a sophisticated transportation vehicle with a drive-system, braking, and steering sub-systems that need to be properly maintained and tuned from time-to-time. Buyer is solely responsible for maintaining and tuning the Ebike in accordance with the user manual and otherwise in accordance with industry practice for bicycles and ebikes. FAILURE TO PROPERLY MAINTAIN AND TUNE AN EBIKE INCREASES THE RISK OF DAMAGE TO THE EBIKE AND/OR INJURY, INCLUDING WITHOUT LIMITATION DEATH, TO ITS RIDER OR THIRD PARTIES. FAILURE TO MAINTAIN AND TUNE THE EBIKE VOIDS ANY WARRANTY AND RELEASES SELLER OF ANY LIABILITY ARISING FROM SUCH LACK OF MAINTENANCE AND TUNING.

Alteration. Any alterations, modifications, or other changes made by you to an Ebike following your purchase which affect the safety, operation, or mechanics of the Ebike shall void the Limited Warranty and shall be at your sole risk of injury, including without limitation death.

Limited Warranty. Seller warrants the Products to be free from defects in material and workmanship for 1 year. Powder coat finish and all other original components, and all Happy Ebike brand repair parts, replacement parts, and accessories, are warranted to be free from defects in material or repair parts, replacement parts, and accessories, are warranted to be free from defects in material or workmanship for a period of 1 year from the original date of purchase.

Exclusion of Other Warranties. All warranties are void if the Product is modified from its original condition or the Product is used for other than normal activities, including, but not limited to, failing to follow the owner's manual or using the Ebike for commercial activities or in competitive events, such as bicycle racing, bicycle motocross racing, stunt riding, ramp jumping or similar activities, and training for such activities or events. Seller makes no other warranties except the express Limited Warranty, above, express or implied, including without limitation the warranties of merchantability, fitness for a particular purpose, or non-infringement.

Limited of Liability and Remedy. TO THE MAXIMUM EXTENT PERMITTED UNDER APPLICABLE LAW, IN NO EVENT SHALL EZEE BIKES LLC, SELLER OR ITS DIRECTORS, OFFICERS, EMPLOYEES, OR AGENTS (COLLECTIVELY, THE "INDEMNIFIED PARTIES") BE LIABLE TO BUYER OR ANY THIRD PARTY, UNDER ANY ORDER, FOR ANY CAUSE WHATSOEVER, AND REGARDLESS OF THE FORM OF ACTION, WHETHER IN WARRANTY, CONTRACT, TORT (INCLUDING NEGLIGENCE) STRICT LIABILITY OR OTHERWISE: (I) FOR ANY INCIDENTAL, INDIRECT, PUNITIVE, SPECIAL OR CONSEQUENTIAL DAMAGES (INCLUDING BUT NOT LIMITED TO LOST PROFITS, REVENUE, GOOD WILL OR LOSS OF USE OR DATA) OR ANY COSTS OF SUBSTITUTE PRODUCTS ARISING OUT OF OR RELATED TO THE PRODUCTS OR SERVICES OR ANY USE OR THE RESULTS OF ANY USE THEREOF OR OTHERWISE RELATING TO THE FUNCTIONING THEREOF OR ARISING OUT OF ANY ORDER, WHICH MAY BE SUSTAINED BY BUYER, ITS CUSTOMERS OR OTHERS, EVEN IF THE INDEMNIFIED PARTIES HAD BEEN ADVISED, KNOWN OR SHOULD HAVE KNOWN OF THE POSSIBILITY OF SUCH DAMAGES OR COSTS; AND, (II) FOR DIRECT DAMAGES IN EXCESS OF THE AMOUNT OF PAYMENTS RECEIVED HEREUNDER BY SELLER FOR THE PRODUCT OR SERVICE RELATING TO SUCH LIABILITY.

THE PARTIES AGREE THAT THE LIMITATIONS OF LIABILITY SET FORTH ABOVE ARE ESSENTIAL ELEMENTS OF THE AGREEMENT BETWEEN THE PARTIES, AND THAT SELLER WOULD NOT ENTER INTO SUCH AGREEMENT WITH BUYER BUT FOR SUCH LIMITATIONS OF LIABILITY.

Indemnification. You acknowledge that there are inherent anticipated and unanticipated risks and dangers involved with the use of ebikes, whether through its intended use or as a result of misuse. You understand that such risks can result in injury, death, physical or mental damage to yourself, your property, or third parties and their property. You agree to release, waive, defend, indemnify, and hold harmless Seller and its directors, officers, employees, agents, members, partners, suppliers, and licensors from any claim, demand, causes of action, liabilities, or expenses including without limitation attorneys' fees and costs, relating to or arising from your purchase and your or any third party use of any Product or Service ; (b) any violation by you of this Agreement; or (c) your violation of another party's rights or applicable law. Seller reserves the right to assume, at its sole discretion, the exclusive defense and control of any matter subject to indemnification by you, in which event you will fully cooperate with Seller in asserting any available defenses.

Assignment. Buyer may not assign this Agreement, or any Order under it, in whole or in part, by operation of law or otherwise, without the prior written consent of Seller. Any attempted assignment in violation of the foregoing shall be null and void. Seller may freely assign this Order, in whole or in part, to any third party, provided that such third party agrees to be bound by the terms hereof. Subject to the foregoing, this Agreement and any Order under it shall inure to the benefit of each Party's successors or permitted assigns.

Waiver; Sever-ability. The waiver or failure of either Party to exercise any right provided herein shall not be deemed a waiver of any further right hereunder under such provision or any other provisions. The provisions of this Agreement are severable. If any provision herein shall be held to be invalid or unenforceable, the Parties shall, if practicable, replace such provision with a valid and enforceable provision that accomplishes the original intent of the Parties; all other provisions shall remain in full force and effect.

Surviving Provisions. All provisions contained herein which by their language or context are intended to survive, including, without limitation, warranty disclaimers, limitation of liability, indemnification and payment provisions, shall survive any termination of this Agreement or any Order under it.

Non-Exclusive Remedies. All remedies provided herein are cumulative and are in addition to any and all legal rights of the Parties except as are expressly limited by the terms hereof.

Force Majuere. Seller shall not be responsible for any delay in the delivery of, or failure to deliver, Products or Services due to causes beyond Seller's reasonable control including, without limitation, acts of God, acts of war or terrorism, enemy actions, hostilities, strikes, labor difficulties, embargoes, non-delivery or late delivery of materials, parts and equipment or transportation delays not caused by the fault of Seller, delays caused by civil authorities, governmental regulations or orders, fire, lightening, natural disasters or any other cause beyond Seller's reasonable control. In the event of any such delay, performance will be postponed by such length of time as may be reasonably necessary to compensate for the delay.

Attorneys' Fees. In the event legal action is necessary to recover monies due from Buyer or to enforce any provision of this Agreement, Buyer shall be liable to Seller for all costs and expenses associated therewith, including Seller's actual attorneys' fees and costs.

Governing Law/Venue. These Terms and any Order shall be governed by and construed in accordance with the laws of the State of California, exclusive of its conflicts of laws provisions or any other provisions that would result in the application of a different body of law. In the event of any dispute under this Agreement, the Parties agree that jurisdiction and venue will be in the County of San Diego, State of California. The Parties expressly waive any right to assert forum non conveniens or any such similar legal theory. The United Nations Convention on Contracts for the International Sale of Products shall not apply to, and is expressly excluded from this Order.

The Parties shall attempt in good faith to resolve any controversy or claim arising between the Parties out of or in connection with the provisions this Agreement and any Order (a "Dispute"), through discussions between appropriate executives of the Parties. If the Parties are unable to resolve any Dispute within sixty (60) days of written notice from either Party, the Dispute shall be first submitted to mediation in San Diego, California before and as a condition precedent to the initiation of any arbitration. If the Parties cannot resolve the Dispute through mediation within sixty (60) days of submission thereof, the Dispute shall be resolved through binding arbitration in San Diego, California before a single arbitrator. The arbitration shall be administered by JAMS, Inc. pursuant to its Streamlined Arbitration Rules and Procedures. Any decision rendered by the arbitrator shall be binding, final and conclusive upon the Parties, and a judgment thereon may be entered in, and enforced by, any court having jurisdiction over the Party against which an award is entered or the location of such Party's assets, and the Parties hereby irrevocably waive any objection to the jurisdiction or venue of such courts. The Parties and the arbitration panel shall be bound to maintain the confidentiality any arbitral proceeding, the dispute and any award, except to the extent necessary to enforce any such award.

Entire Agreement. This Agreement, together with any Order under it and any documents or materials expressly referenced herein, constitute the entire agreement between the Parties, and supersede all other prior or contemporaneous agreements, understandings and contracts whether oral or written with respect thereto. No modification, change, amendment to these terms shall be of any force or effect unless in writing and signed by authorized representatives of both Parties. No course of dealing or course of performance shall be relevant to explain or supplement any term expressed in this Agreement. In the case of any conflict between this Agreement and any Order under it and any documents or materials, this Agreement shall prevail and govern.

Summary of Return Policy.

10 Day acceptance period from date of delivery. Damage claims and order discrepancies will not be accepted after this time.

You must contact_____PRIOR to returning any materials.

Returned materials must be received at_____in new condition and in original packaging. Altered/modified items are not eligible for return.

Buyer is responsible for all shipping charges (return and re-delivery). A_____% re-stocking fee applies to all returns.

_____makes endeavors to ensure that our posted specifications, images, pricing and product availability are as correct and timely as possible. We apologize for any discrepancies that may occur._____ reserves the right to make any and all changes deemed necessary in the course of business including but not limited to pricing, product specifications, quantities, and product availability.

For Customer Service & Technical Support:

User Manuals can be found here:

RIDE Happy