

ETC[®] **EXPRESS[™]**

FROM THE ELECTRIC TRANSPORTATION COMPANY



OWNERS' MANUAL

Thank you for purchasing the *ETC EXPRESS*. The *ETC EXPRESS* is complete with everything in one package: batteries, motor, control and charger. With your new *ETC EXPRESS* you'll be riding pollution-free and having fun too. The *ETC EXPRESS* is designed to fit virtually any style of bicycle. While it is NOT a moped, the *ETC Express* will help extend your rides, commute pollution free to work or school and because it's removable, you can ride as usual, anytime.

SAFETY FIRST

ALWAYS WEAR A HELMET WHEN RIDING ANY BICYCLE.

Product Warning: This *ETC EXPRESS* Power Pack is for use ONLY with the *ETC NEW CENTURY EXPRESS Ô*, *ETC TRAVELER EXPRESS ä* Folding Bicycle or with the *ETC EXPRESS Rack*. To mount the *ETC EXPRESS* rack, please review the instructions, included with the Rack for proper installation. Bicycling with the *ETC EXPRESS* power pack is, in most cases, as easy as normal riding, however, the added weight will make your bicycle feel top heavy. This different feel is because of the higher center of gravity created by the additional weight of the pack. **RIDERS SHOULD BE AWARE THE BIKE IS MORE LIKELY TO TIP FROM SIDE TO SIDE, ESPECIALLY AT SLOW SPEED OR AT A STOP.**

BATTERY CARE

CHARGE THE BATTERIES OVERNIGHT BEFORE YOUR FIRST RIDE.

It couldn't be easier. Simply connect the socket end of the provided AC cord to the power connector above the nameplate on the front of your *ETC EXPRESS* power pack. Connect the plug end to any standard, grounded 120 VAC 60Hz wall outlet. Charging is automatic and it costs less than a nickel to fully charge your *ETC Express*.

LIGHT IS RED WHEN CHARGING - - GREEN WHEN FULLY CHARGED.

After a long ride keep your *ETC EXPRESS* power pack on charge overnight. Your batteries will last longer if you keep them fully charged at all times. The batteries in your *ETC Express* are designed to be kept fully charged between rides. The built-in battery charger is self-regulating to insure that the batteries stay fully charged and won't over-charge.

- **ALWAYS RECHARGE YOUR ETC EXPRESS POWER PACK AFTER EACH RIDE.**
- **THERE IS NO DAMAGE TO THE BATTERIES IF THE CHARGER IS LEFT ON AFTER THE BATTERIES ARE FULLY CHARGED.**
- **THE BATTERIES SHOULD BE RECHARGED EVERY 4 TO 6 WEEKS WHEN NOT IN USE.**
- **DO NOT LEAVE THE CHARGER CONNECTED FOR EXTENDED PERIODS OF TIME.**

FOR BEST RESULTS DO NOT RUN THE BATTERIES DOWN COMPLETELY. THIS WILL DAMAGE THE BATTERIES AND DRASTICALLY SHORTEN THEIR RECHARGE LIFE.

THIS PRODUCT IS NOT DESIGNED FOR OFF-ROAD USE AND SHOULD NOT BE USED FOR SUCH PURPOSES. Although the product is designed to be adapted to a wide variety of bicycle styles, it may not fit all makes and models of bicycles.

KEEP YOUR TIRES PROPERLY INFLATED FOR BEST PERFORMANCE AND SAFETY.

Bicycle theft is a problem everywhere. Always lock your bicycle and lock the power pack into the rack or take your power pack with you whenever your bike is left unattended.

California law allows the use of the *ETC EXPRESS* for anyone over the age of 16 years without any special license. However, the laws vary from state to state. Before riding, please check with your local law enforcement agency for any applicable laws in your area.

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

OPERATION

To operate your *ETC EXPRESS*, simply start pedaling and when you are going approximately 3 MPH (5Km/Hr), depress & hold the trigger on the handle bar to engage power for as long as you want your *ETC EXPRESS* to help you ride. Release the trigger to coast, before you want to stop or anytime you want to turn the power off. Remember, you can use the bicycle brakes to stop or slow down at any time, just as always. **The *ETC EXPRESS* will not operate at speeds below 3 MPH (5Km/Hr).**

GENERAL MAINTENANCE

Clean your *ETC EXPRESS* with a soft damp cloth. Dry completely. **DO NOT** immerse in water. If the drive wheel, which contacts the rear tire, becomes caked with road dirt, clean with a damp cloth to loosen the dirt, then dry completely.

***ETC EXPRESS* Frequently Asked Questions**

- **How fast can I ride using the *ETC EXPRESS* power pack?**

The fully charged ETC Express is designed to carry the average rider at 12 mph (20Km/Hr) on level ground for about an hour with minimum pedaling.

- **How far can I ride using the *ETC EXPRESS*?**

Total distance with minimum pedaling is approximately 10 miles. Total distance varies with road conditions, load, hills and temperature. Longer distances can be achieved by pedaling along.

- **How long will the batteries last?**

Approximately one hour of continuous power with minimum pedal assist. This varies with road conditions, load, hills and temperature.

- **What kind of batteries are used in the *ETC EXPRESS*?**

There are two 12-volt, 12 amp-hour sealed lead acid batteries inside the pack.

- **What is the life of the batteries?**

The batteries will recharge several hundred times depending on depth of discharge cycles. That's up to 2 years of riding everyday.

- **How long does it take to recharge the batteries?**

Batteries are fully recharged in 4 to 6 hours with the built-in battery charger.

- **Can I put the *ETC EXPRESS* electric power pack on any style of bicycle?**

The ETC Express Rack is designed to fit most any style of bicycle from 16" to 700mm regardless of the tire size. Be sure to specify the bike size, make and model when ordering your ETC Express.

- **Is the power pack permanently attached to the frame?**

No. The portable ETC Express can be easily removed from the rack.

- **How do you open the rack lid?**

Simply push the rack lid latch forward and lift the lid to install or remove the ETC Express pack.

- **Why doesn't the motor engage unless the bike is moving?**

The ETC Express pack is designed with a "safety interlock" feature which prevents the motor from operating inadvertently. This feature also conserves the battery power by allowing the rider to pedal before the power assist comes on. Simply start pedaling and engage the handlebar mounted control above 3 mph to ride with ETC Express power. Release the control to coast, or before applying the brakes.

- **How much does the electric power pack weigh?**

The electric power pack unit weighs 28 lbs.

- **Is it difficult to balance the bike with the extra weight of the power pack?**

The center of gravity of a bike with the ETC Express is higher than usual. Once you are underway, it is very easy to balance and the additional weight is not noticeable.

- **Why does the red light appear on the *ETC EXPRESS* during recharging?**

The red light indicates that the batteries are charging. If the red light never goes off, the batteries may need replacing.

- **Why does the green light appear on the *ETC EXPRESS* during recharging?**

The green light indicates that the batteries are charged. If the green light comes on within a few seconds of starting to charge, either the pack is fully charged or the batteries may need replacing.

WARRANTY

- 1. What is covered by this warranty:** Electric Transportation Company, LLC (“ETC”) warrants, to the original purchaser only, that the *ETC Expressä*, that is the subject of this sale conforms to ETC’s published specifications and is free from defects in material or workmanship. With the exception of the batteries which are warranted for 90 days from the date of delivery [see #2(a) below], this warranty expires one year from the date of delivery. If the buyer discovers within this period a failure of the product to conform to specifications, or a defect in material or workmanship, the buyer must promptly notify ETC in writing. In no event may that notification be received by ETC later than 13 months from the date of delivery. Within a reasonable time after notification, ETC will correct any failure of the product to conform to specifications or any defect in material or workmanship, with either new or used replacement parts. Such repair, including both parts and labor, will be performed at ETC’s expense. All warranty service will be performed at a location designated by ETC. If ETC is unable to repair the product to conform to the warranty after a reasonable number of attempts, ETC will provide, at it’s option, one of the following: a replacement product or a full refund of the purchase price. These remedies are the purchaser’s only remedies for breach of warranty.
- 2. What is not covered by this warranty:** ETC does not warrant (a) the battery component of the product for more than 90 days; (b) damage caused by use of the product for purposes other than those for which it was designed; (c) damage caused by disasters such as fire, flood, wind, lightning, theft, or other matters not within ETC’s control; (d) damage caused by unauthorized attachments or modifications; (e) damage caused during shipment; (f) any other abuse or misuse by the purchaser; or (g) the use of this product without the ETC Express Rack, the ETC NEW CENTURY or the ETC TRAVELER.
- 3. Limitation of remedies; disclaimer of warranty:** In no event will ETC be liable for any special, incidental, or consequential damages based on breach of warranty, breach of contract, negligence, strict tort, or any other legal theory. Damages that ETC will not be responsible for include, but are not limited to, loss of profits; loss of savings or revenue; loss of use of the product or any associated equipment, facilities, or services; downtime; the claims of third parties including customers; and injury to property. This limitation does not apply to damages caused by breach of the warranty of title and against infringements or to claims for personal injury.
- 4. Time limit:** Any action for breach of warranty must be commenced within 15 months following delivery of the product.

5. **No other warranties:** Unless modified in a writing signed by both parties, this agreement is understood to be the complete and exclusive agreement between the parties, superseding all oral or written prior agreements and all other communications between the parties relating to the subject matter of this agreement, including statements made by salespersons. No employee of ETC or any other party is authorized to make any warranty in addition to those made in this agreement. The buyer is warned, therefore, to check this agreement carefully to see that it correctly reflects those terms that are important to the buyer.
6. **Allocation of risks:** This agreement allocates the risks of product failure between ETC and the buyer. This allocation is recognized by both parties and is reflected in the price of the goods. The buyer acknowledges that it has read this agreement, understands it, and is bound by its terms.

THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The Electric Transportation Company's Battery Replacement and Recycling Program is designed to help keep you riding and insures that your used batteries are recycled properly. Your new batteries are shipped to you with a return package and label for convenient recycling. For further information please contact your dealer or ETC. Replacing batteries through the ETC Battery Replacement and Recycling Program delivers you the highest quality replacement batteries and recycles your old batteries.



**ALWAYS RECYCLE OR DISPOSE
BATTERIES PROPERLY.**

Trouble Shooting

Problem	Solution
Pack does not work when power button is pressed.	The ETC Express will only operate when the drive wheel is driven by the bike's rear tire at or above 3 mph.
Pack does not work at or above 3 mph.	<ol style="list-style-type: none"> 1. Be certain that the drive wheel is contacting the rear tire. Check the rack adjustment with the alignment gauge. 2. Be certain the batteries are charged. 3. Be certain that the power pack is installed in the rack with the nameplate facing forward. 4. Check rear tire pressure. The tire must be properly inflated for the drive wheel to fully contact the rear tire. 5. Check the drive wheel for wear such that it does not make contact with the rear tire.
The ETC Express is not as fast or as powerful as a moped nor will it carry you up a steep incline without pedal assist.	The ETC Express is NOT a moped. The ETC Express is designed to assist you on level ground, up hills and to extend your ride by doing most of the work. But, it is not a moped. In order to achieve moped performance from battery power, the pack would have to weigh more than twice as much.
The power only lasts a few minutes.	Be certain the batteries are fully charged. Failure to keep the batteries fully charged is the number one cause of poor performance.
When charging, the red light never goes off.	The batteries are not taking a charge and must be replaced. See your dealer for the ETC Battery Replacement and Recycling Program.
When charging even after a long ride, the green light comes on after only a few minutes.	There is a charging problem. See your dealer.

**Remember to ride your bicycle responsibly.
ALWAYS WEAR A BICYCLE HELMET.**

SPECIFICATIONS

Type:	Fully Removable Electric Power Pack with Built-in Motor, Control, Charger and Batteries
Weight:	28 Lbs. (12.7 Kg)
Dimensions:	16" (406 mm) Long x 4 ¾" (120 mm) Wide x 7 ¾" (200 mm) High
Drive:	Friction on rear tire
Batteries:	Dual 12 volt, 12 amp sealed lead acid
Electronic Control:	Current response power manager to optimize performance and battery life
Minimum Speed:	3 MPH (5 Km/Hr)
Maximum Speed:	12 MPH (20 Km/Hr)
Charger:	120 VAC 60 Hz @ 1 Amp Built-in self-regulating to prevent over-charging
Full Recharge:	4 to 6 hours
Trigger:	Handlebar-mounted on/off control operating at speeds above 3 MPH (5 Km/Hr)
Operating Temperature:	40°F (4.5°C) to 100°F (38°C)



*ETC EXPRESS^ä, ETC TRAVELER^ä, ETC NEW CENTURY^Ô & THE ETC LOGO ARE
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The information in this manual is correct to the best of our knowledge.
IT IS SUBJECT TO CHANGE WITHOUT NOTICE.