Get Hycore, Make E-bike

hycore T1

USER MANUAL
USER GUIDE DISPLAYING IMPORTANT NOTIFICATIONS

1. We sincerely appreciate your support for our product.

2. Before using this product, please read this manual thoroughly and observe the traffic regulations to ensure safe operation.

3. It is labeled “Danger” and “Warning” according to the level of danger described in this manual and this requires more attention.

4. This product is not recommended for pregnant women and children under the age of 16.

5. Please note that all the information that may arise when using this product cannot be described in this manual. Be sure to read the safety instructions carefully before riding.
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PREPARING FOR INSTALLATION

01 COMPONENTS

HYCORE T1

- AXLE NUT X 2
- D-CUT WASHER X 2
- COMPACT NUT X 2
- WASHER X 7
- BATTERY LOCK KEY X 2
- CHARGING CABLE
- CHARGER
- BATTERY
02 HYCORE T1 INSTALLATION INSTRUCTIONS

01
The size of your bicycle wheel should be The same as Hycore T1

- How to check tire dimensions / 20p
- Even if the wheel size fits, there might be interference between the tire and bicycle frame.

02
The space between bicycle frames (DROP OUT) must be 130~135mm to install the product as shown in the figure.

03
Installation is feasible for both rim brake system (v break) and disc brake system as shown in the figure.

- If the disc brake rotor is less than 203mm, there might be some interference. It is recommended to change the rotor to 203mm using an appropriate adaptor.
03  REMOVE THE REAR WHEEL

Step 1  If your bicycle type is rim brake, open the rear brake.

Step 2  Turn your bike upside down.
Step 3  Shift rear derailleur and the chain into the smallest cog on the sprocket.
  - For a bicycle with a multi-speed front chain wheel, it is recommended to shift the chain to the smallest chain ring.
PREPARING FOR INSTALLATION

03 REMOVE THE REAR WHEEL

**Step 4** Deflate the tire.

**Step 5** Remove the rear axle nuts from both ends of the axle.
Step 6  Hold the derailleur back and keep it out of the way. Remove the existing rear wheel.
Step 1  Install washers on both sides of the rear axle.

<table>
<thead>
<tr>
<th>Number of Washer</th>
<th>Non Sprocket Side</th>
<th>Sprocket Side</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dropout Width: 135mm (Current Status)</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Dropout Width: 130mm</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

* refer to the table above for how many washers should be installed.
Step 2  Install D-cut washers on both sides of rear axle.

The flanged sides of D-cut washers have to face to the open side of the dropouts.

* If the D-cut washer is not in the correct position, adjust by turning the shaft shown in the figure counter clockwise.
**Step 3** Hang the Hycore T1 sprocket onto the chain.

* Hold the derailleur back and keep it out of the way. Move the wheel into place between the rear dropouts.

**Step 4** Use a wrench to tighten the axle nuts on both side so that Hycore T1 does not fall from the bicycle frame.
Step 5  Spin Hycore T1 and check if it works properly.

Step 6  If your bicycle brake type is rim brake, close the rear brake again.
**Step 1**  Turn the lock pin counter clockwise to open the case.

**Step 2**  Before inserting the battery, open the lock using the key. Insert the battery along the guidelines. After the battery is installed, lock the battery with key.
Step 3  Close the case by turning the lock pin clockwise.

* Ensure that the protrusions at the bottom (non-lock pin side) of the battery case fit correctly.

Safety Precautions

- Do not remove or attach the battery near water or fire.

- Handling a battery or charger with wet hands may cause a serious accident.

- Battery disengagement proceeds in reverse order.
OPERATION

01 HOW TO CHARGE THE BATTERY

Step 1
Connect the charger to the battery charging socket first, then connect the charger to the power socket.

Step 2
When the LED light is red, it is charging.

Step 3
When the LED light is green, the battery is fully charged.

Step 4
When charging is complete, remove the power plug first and disconnect the battery and charger.

Safety Precautions

✗ Do not charge the battery where there is a risk of fire.

✗ Using a battery or charger with wet hands may cause a serious accident.

✗ If there happens to be a strange smell during charging or temperature of the battery or charger is over temperature, please stop charging and contact us.
02 OBLIGATIONS FOR ELECTRIC BICYCLE OPERATION

1. Must comply with traffic laws when riding on public roads.
2. Riding with two or more people is illegal and causes breakdowns or accidents.
3. Carry the bike in stairways or in places where unevenness is severe.
4. If you lubricate the brake function area, the brake function will be significantly reduced, which may cause an accident.
5. Pedestrians have the right of way on crosswalks and bike must be carried.
6. At the crosswalk, stop first and take a look on both sides and then slowly proceed.
7. Speeding downhill can cause major accidents.
8. Be sure to wear protective gear such as helmet.
9. Avoid riding on snowy and rainy days.
10. If you take an emergency brake on a slippery surface, it may cause an accident.
11. Avoid riding at night and whenever possible, turn on headlights or flashlights.
12. Do not ride after drinking or under bad physical condition.
13. If you carry a baby or child in front or behind, a major accident may occur.
14. Pregnant women and children under the age of 16 and encouraged not to ride.
15. Interpretation of the contents of the instruction manual depends on the judgment of the manufacture.
MAINTENANCE

01 CLEANING

- Detach battery when cleaning
- Cleaning is extremely important this will ensure your Hycore T1 serves you for a long time.
- Wash any dirt, debris, sand, mud, grit, grime, on the wheel and dry it off.
  Look closely for worn, loosened, cracked, rosted, tom or damaged parts.
- Do not use aggressive poser jets when cleaning Hycore T1.
  Clean gently but thoroughly and make sure that electric parts are dry and clean.

02 AIR TRANSPORTATION

- Regulations of IATA or airliners applies when transporting Hycore T1 via air, as the product includes a pack of lithium-ion battery.
  For more information, please visit IATA homepage. (https://www.iata.org/)
- Hycore T1 batteries cannot be registered under hold luggage and must be carried on board.
  Please speak with your airliner representative for the limit of carry the lithium-ion battery into cabin.
- The tire MUST be deflate before transportation.
03 KEEPING

- Do not leave the bike with Hycore T1 in the rain or snow.

- Store somewhere dry and out of direct sunlight. Overheating the batteries can cause problems.

- Store Hycore T1 in a box when not in use fill up cushion material sufficiently to prevent damage.

- Batteries should be removed from bike if not in used.

- Recommended storage temperature: 10°C to 40°C / 50°F to 104°F
OTHER INFORMATION

HYCORE T1 SPECIFICATIONS

<table>
<thead>
<tr>
<th>Mounting Position</th>
<th>Rear Wheel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>700C, 26” - 30”</td>
</tr>
<tr>
<td>Weight</td>
<td>8kg ; 18lbs</td>
</tr>
<tr>
<td>Motor</td>
<td>180 - 360W (BLDC 180W x 2)</td>
</tr>
<tr>
<td>Range</td>
<td>&lt; 30mi or 50km</td>
</tr>
</tbody>
</table>

* The range depends on the riding conditions.

<table>
<thead>
<tr>
<th>Top Speed</th>
<th>32km/h or 20mph</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>* Maximum speed varies in accordance with the laws of each country.</td>
</tr>
<tr>
<td>Battery</td>
<td>25.2V / 6.7Ah / Li-ion</td>
</tr>
<tr>
<td>Battery Life Cycle</td>
<td>Up to 500 Cycles</td>
</tr>
<tr>
<td>Charge Time</td>
<td>3.5 hours (100%)</td>
</tr>
<tr>
<td>Charger</td>
<td>Free Voltage 100 ~ 240V</td>
</tr>
</tbody>
</table>

DISPOSAL AND RECYCLING INFORMATION

This symbol indicates that this product and/or battery should not be disposed of with household waste.

Please be aware that it is your responsibility to dispose of electronic equipment at recycling centers in order to help conserve natural resources.

When you decide to dispose of this product and/or its battery, do so in accordance with local environmental laws and guidelines.
HOW TO CHECK TIRE DIMENSIONS

Example 01

<table>
<thead>
<tr>
<th>ETRTO (37 x 622)</th>
<th>Inch (28 x 1 5/8 x 1 3/8)</th>
<th>French (700 x 35C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>622 mm</td>
<td>28 in</td>
<td>700 mm</td>
</tr>
<tr>
<td>37 mm</td>
<td>1 5/8</td>
<td>35 mm</td>
</tr>
</tbody>
</table>

Example 02

Even if the wheel size fits, there might be interference between the tire and bicycle frame.
OTHER INFORMATION

The manufacturer: Hycore Co., Ltd.
1502, 15F, IT Castle II, 137, Gasan digital 1-ro,
Geumcheon-gu, Seoul, 08506, Rep. of KOREA.
+82 2 3661 7972
Product Description:
Hycore All in one Wheel; with Bluetooth
Brand Name / Model Name: Hycore T1

EN 60950-1:2006+A11:2009+
EN 62479:2010  LCS181022040AEC
Draft ETSI EN 301 489-1 V2.1.1
Draft ETSI EN 301 489-17 V3.1.1  LCS181022040AEB
ETSI EN 300 328 V2.1.1  LCS181022040AEA

Applicant: Hycore Co., Ltd.
1502, 15F, IT Castle II, 137, Gasan digital 1-ro,
Geumcheon-gu, Seoul, 08506, Rep. of KOREA.

Certificate NO : I/ISETC.000720190108
File Reference : DTI201811146928
Type of Product : Hycore All in one Wheel
Model(S) : Hycore T1

Restriction of Hazardous Substances Directive
2011/65/EU IEC 62321
This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:
1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation of the device.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC ID: 2AR7P-HYCORET1
Name of Grantee: Hycore Co., Ltd.
Equipment Class: Digital Transmission System
FCC Rule Parts: 15C
Frequency Range (MHz): 2402.0 - 2480.0
Output Watts: 0.0024
EC DECLARATION OF CONFORMITY

The manufacturer: Selectric Power Saving(Shanghai) Co., Ltd.
3F, #88 Zihai Road, Minhang District, Shanghai, P.R. China

Model / Type: HC-T1B

Rated Specification: Rated Voltage: 25.2V ≈ 2A

EN61000-6-1:2007, EN61000-6-3:2011

RZCE2018-0361EMC

FCC Compliance Statement

Verification No.: SHEM180800714701BAC
Applicant: Selectric Power Saving(Shanghai)CO., LTD
3F, #88 Zihai Road, Minhang District, Shanghai, P.R. China

Model No.: HC-T1B

47 CFR Part 15, Subpart B

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For support, please go to www.hycore.com
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Thank you