

DTTZH

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F6 / F6-S / F6-PRO

USER MANUAL



**Do not use the EBIKE before reading this manual
carefully and knowing your e Bike thoroughly.**

IMPORTANT SAFETY INSTRUCTIONS

WARNING – When using this product, basic precautions should always be followed, including the following:

- a) Read all the instructions before using the product.
- b) To reduce the risk of injury, close supervision is necessary when the product is used near children.
- c) Do not put fingers or hands into the product.
- d) Do not use this product if the flexible power cord or output cable is frayed, has broken insulation, or any other signs of damage.
- e) The instruction manual for a unit where the abnormal test is terminated by operation of the intended branch circuit over current protective device, shall include the word "CAUTION" and the following or equivalent: "To reduce the risk of fire, connect only to a circuit provided with 15 amperes maximum branch circuit overcurrent protection in accordance with the National Electrical Code, ANSI/NFPA 70." The blank space is to be filled in with the applicable ampere rating of branch circuit overcurrent protection.
- f) For all equipment, the instructions shall indicate "This equipment is not intended to be used at ambient temperatures less than -10 ° C (14 ° F) or above ambient temperatures of 40 ° C (104 ° F)." The blanks are to be filled in with the manufacturer's specified ambient temperature ratings.
- g) For all equipment, the instructions shall indicate "The battery is intended to be charged when the ambient temperature is between -10 ° C (14 ° F) and 40 ° C (104 ° F). Never charge the battery when ambient temperatures are outside this range." The blanks are to be filled in with the manufacturer's specified ambient temperature range for charging.

SAVE THESE INSTRUCTIONS

Thanks for choosing DTTZH ebikes.

Please read this manual before installing the product to protect your legitimate rights and interests.

If you encounter any problems during the process, please contact the official customer service.

Scan the QR code to view the installation video.



Official website address:

www.dttzh.com

Table of Contents

1. Product Overview	4
2. Quick Start Installation Guide	5
3. Display and Control Operation Guide	12
4. Troubleshooting Chart	16
5. Battery Charger	17
6. Maintenance and Care	18
7. Riding Guide for Extreme Environments	18
8. Warranty Policy	19
9. Safety Warnings and Emergency Response	20
10. Prohibited Actions	21
11. User Support and Feedback	22
12. Disclaimer	22

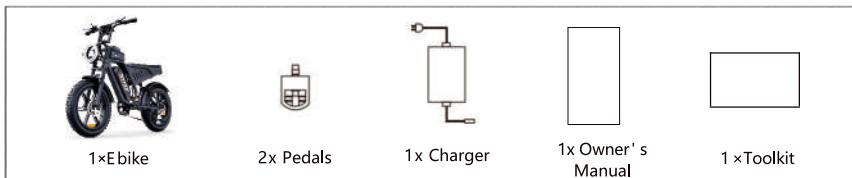
Product Overview

- ① Brake Lever
- ② Suspension Fork
- ③ Saddle
- ④ Crank
- ⑤ Chain
- ⑥ Display
- ⑦ Headlight
- ⑧ Reflector
- ⑨ Tire
- ⑩ Battery



Note : We keep updating our eBikes, so yours might look a little different from the one shown above, but you use it the same way.

WHAT'S IN THE BOX



Quick Start Installation Guide

1. Assembling:

- 1) Open the box ,take out your e Bike, and remove the packaging.**
- 2) Mount the front wheel to the front fork , and tighten the screws to lock into place.**
- 3) Assemble and align the handlebar upon the riser, and lock into place.**
- 4) Walk the e Bike to ensure no abnormal sound from the turning wheels.**
- Gently pull the brake levers for a couple of times to ensure both the front and rear brakes function normally.**
- 5) Adjust the seat tube to desired height ,and lock the quick release.**
- 6) Install the pedals and tighten up.(Please wear a helmet when riding the e Bike.)**

2. Charging: Connect the DC jack of the original charger to the charging slot of your e Bike, and the AC plug to the mains. The charger light turns from red to green when charging is complete.

3. Power on and off : Locate the power button. Press and Hold the button for 3s to Power on and off.

Setting Up Your EBIKE

Install The Handlebar



① Remove the vehicle from the packaging and use a tool to loosen the fixing screws.

② use a tool to loosen the fixing screws.



③ After loosening the screws, manually adjust the stem to the correct position.

④ Use a tool to tighten the stem fixing bolts.



⑤ Use a tool to loosen the four fixing screws.



⑥ Tighten the four screws with a tool, and adjust the handlebar position according to personal preference.

⌘ Setting Up Your EBIKE

Install The Kickstand And Pedals.



① Take out the kickstand, loosen and remove the screws fixed on it.



② Place the kickstand on the inner side, align it with the holes, and put in the screws.



③ Tighten the fixing screws with a tool.



④ Ensure the kickstand is securely in place, then lower it to facilitate subsequent vehicle installation.



⑤ Take out the corresponding pedal and install it onto the crank.



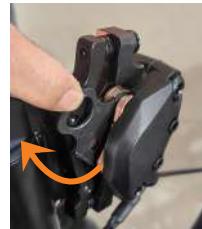
⑥ Use a wrench to tighten the pedal again and ensure it is securely in place.

Setting Up Your EBIKE

Install The Front Wheel



A: The short round sleeve is on the same side as the disc brake,
B :The long round sleeve is on the opposite side of the disc brake.



① Take out the installation tool wrench and the parts in the picture, pay attention to the left and right installation position in the picture, and ensure the correct installation at the back.



③ Insert the hub into the wheel assembly and confirm that the short sleeve is on the same side as the disc brake.

② Pull out and throw away the plastic sheet of the protective order according to the arrow.



④ Please note that the left and right washers must be on the outside of the sleeve.



⑤ Insert the wheel set into the front fork. Insert the pad with the buckle foot on the left and right, and the buckle foot needs to be inserted into the hole according to the diagram.

⑥ Hand-tighten the nut on the left and the right.



⑦ Use a wrench to tighten the nut in the direction shown in the diagram.

⑧ Check the installation again to ensure safety and complete the installation of the front wheel.

Setting Up Your EBIKE

Install The Front Wheel Mudguard



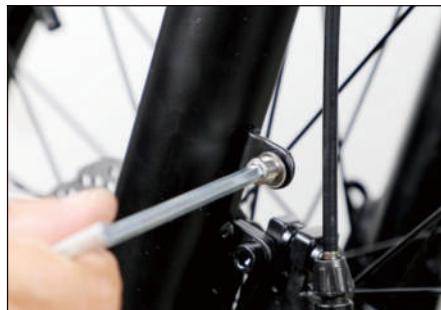
1 Take out the front wheel fender and place it properly.



2 Use a tool to remove the fixing screws.



3 Place the fender at the highest position, then use a tool to tighten and secure the screws.



4 Loosen the fixing screws on both the left and right sides of the front fender.



5 Tighten the fixing screws on both the left and right sides of the front fender.

Setting Up Your EBIKE

Install The Front Light.



① Take out the baffle that secures the front light.



② Use a tool to unscrew the screws and washers that are fixed to the front light.



③ Position the front light in the corresponding hole, place the washer on the inner side, then use a tool to tighten it.



④ Insert the front light power cord and plug it in firmly according to the arrow mark.



⑤ The front light installation is complete.
Check if the screws are securely fastened.

🛠️ Setting Up Your EBIKE

Removing The Battery And Charging It



① Battery Keyhole (Insert the Key)



② Insert the key, rotate it counterclockwise, then lift the Battery upward to take it out.



③ Charge with the Original Charger:
Red Light Indicates Charging,
Green Light Indicates Charging Complete.



④ Short-press the Battery Switch Button to Display Remaining Power.



⑤ The USB port can be used for charging.



⑥ When charging is complete, place the Battery properly, insert the key, and rotate it clockwise to secure the Battery.

Display and Control Operation Guide

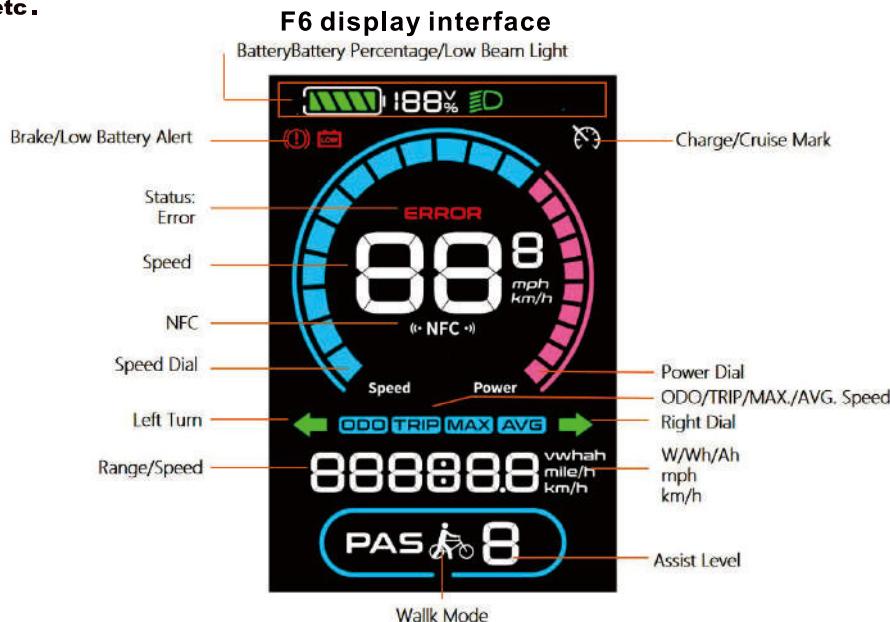
1. Display Interface

1.1 Riding Interface

Status: Real-time Riding Status: **Bluetooth** , **Front Light** , **Brake** , **Low Voltage** , **Turning** , **Cruise** , **Drive Status** , etc .

Battery Status: Residual Battery Percentage

Multi-Function Section: **ODO** (total range) , **TRIP** (single ride range) , **MAX** (max. speed) , **AVG** (average speed) , **TIME** (riding time) , **VOL** (Battery voltage) , **Wh** (motor power) , **CUR** (current) , etc .



F6S & F6 pro display interface



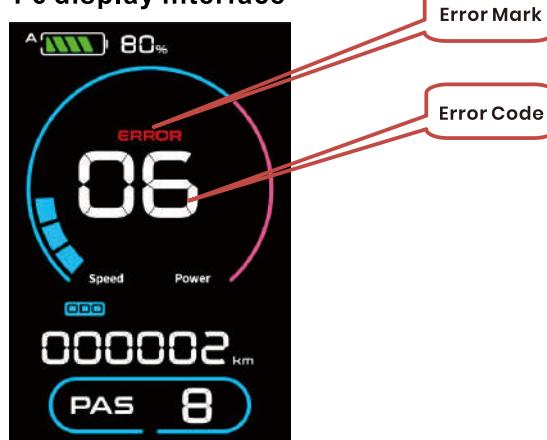
1.2 Error Interface

F6S & F6 pro display interface



In the above interface: Error Indicator: ERROR , Error Code:06

F6 display interface



In the above interface: Error Indicator: ERROR , Error Code:06

2. Key Pad

Keypad ILLustration:There are 5 keys on the SWK2 keypad.
In the following instructions:

- ⊕ is called Plus Key
- ⊖ is called up Key
- ⊖ is called Minus Key
- ← is called Left-Turn Key
- is called Right-Turn Key



3. Key Operation

Key operation guide as follows.

Press and Hold: means press and hold the key(s) for more than 2s.

Press: means press the key(s) for less than 0.5s.

Double Tap: means double tap the key(s) within 0.3s

3.1 Add NFC Cards

Add Principal Card: When the display is on, swipe the principal card near the screen, and the NFC indicator light on the display will start lashing rapidly, and the speed section on the display will flash “01”, then swipe the principal card again, the NFC indicator will be steadily on, which means the principal card is added successfully.

Add secondary Card: After the principal card is added, swipe the secondary card, and the speed section on the display flashes “00”, which means ready to add the secondary card.

Then swipe the secondary card near the screen, the speed section on the display will flash “01”, then swipe the principal card again, then the speed section will show “00” steadily lit, which means the secondary card is added successfully.

3.2 On/Off

Turn on the Display

Use NFC cards: When the display is of, press and hold the On/Off Key, it will show the NFC icon, then swipe the NFC card, the NFC indicator light will remain steadily lit, the screen will show boot Interface and then enter riding Interface.

Use a Password: When the display is of, press and hold the On/Off Key, it will show a 4-digit password input indicator together with the NFC icon.

Default Boot Password: 1234. Press the Up Key or Down Key to adjust and input the password , then press On/Off Key to confirm and switch to the next digit.

Turn of the Display

Use NFC cards: When the display is on , press and hold the On/Off Key, the display will be turned of. If no operation is engaged for 10min (0km/h) , the display will be auto-off. Auto-off time can be set in the Settings.

Use On/Off Key: When the display is on , press and hold the On/Off Key, the display will be turned of. If no operation is engaged for 10min (0km/h)the display will be auto-off. Auto-off time can be set in the Settings.

3.3 Assist Level

Press the Plus Key or Minus Key to switch assist levels. There are 5 levels by default: 0/1/2/3/4/5 . 0 means no assist power.

3.4 Toggle Displays

When the display is on, press the On/Off Key to toggle among ODO (total range) , Trip (single trip range) , TIME (riding time) etc .

3.5 Walk Assist Mode

Engage Walk Assist Mode: On the riding Interface, press and hold the Minus Key to enter walk assist mode, the walk mode icon will be shown on the riding Interface, the real-time speed will be shown in the speed section.

Disengage Walk Assist Mode: release the Minus Key to disengage the walk assist mode, the icon will of on the riding Interface.

3.6 Left-Turn and Right-Turn Control

Left-Turning Control: On the riding Interface, press the Left-Turn Key to engage the left turn, the turning indicator will blink on the Interface.

Then press the Left-Turn Key again or the Right-Turn Key to stop the left turn and indicator.

Right-Turning Control: On the riding Interface, press the Right-Turn Key to engage the right turn, the turning indicator will blink on the Interface.

Then press the Right-Turn Key again or the Left-Turn Key to stop the right turn and indicator.

Troubleshooting Chart

Error Code (decimal)	Status	Note
E00	Normal	
E01	Reserved	
E02	Brake Error	
E03	PAS Sensor Error(Riding Mark)	Not Realized
E04	Walk Assist Mode	
E05	Real-Time Cruise	
E06	Low Voltage Protection	
E07	Motor Error	
E08	Throttle Error	
E09	Controller Error	
E10	Communications Error	
E12	BMS Communications Error	
E13	Front Light Error	

Battery Charger

1.  **WARNING:** DO NOT charge indoors, in hallways, basements, or other enclosed/semi-enclosed spaces. Charge ONLY in well-ventilated, designated outdoor areas.
2.  **WARNING:** AVOID OVERCHARGING. Disconnect power IMMEDIATELY after the battery is fully charged (typically 6-8 hours). Do not leave the charger connected for extended periods.
3.  **WARNING:** USE ONLY THE ORIGINAL EQUIPMENT MANUFACTURER (OEM) CHARGER. Never use non-original, damaged, modified, or incompatible chargers.
4.  **WARNING:** INSPECT BEFORE CHARGING. Check the battery, charger, and power cord for damage, leakage, or overheating. Cease use immediately if any abnormalities are detected.
5.  **WARNING:** DO NOT charge in extreme temperatures: high heat ($\geq 40^\circ\text{C} / \geq 104^\circ\text{F}$), freezing conditions ($\leq -10^\circ\text{C} / \leq 14^\circ\text{F}$), humid environments, or direct sunlight.
6.  **WARNING:** KEEP AWAY FROM FLAMMABLE MATERIALS. Maintain a minimum safe distance of 3 feet (1 meter) from combustibles (e.g., gasoline, paper, fabrics) during charging.
7.  **WARNING:** KEEP CHILDREN AND PETS AT A SAFE DISTANCE. Prevent access to the battery and charger while charging to avoid electric shock, burns, or other injuries.
8.  **WARNING:** LONG-TERM STORAGE CARE. Fully charge the battery to 80% before storage. Store in a dry, well-ventilated area and recharge every 1-2 months to maintain battery health.
9.  **WARNING:** DO NOT DISASSEMBLE OR MODIFY THE BATTERY. For maintenance or replacement, contact the official brand after-sales service ONLY. Unauthorized modifications void warranties and pose safety hazards.
10.  **WARNING:** STOP CHARGING IMMEDIATELY if unusual odors, smoke, swelling, or overheating occur. Disconnect power and contact customer support promptly.

Maintenance

- 1. Ensure front and rear wheels are aligned with the front fork and frame center.**
- 2. Park away from direct sunlight and rain.**
- 3. Do not rinse the e-bike; clean with a damp cloth.**
- 4. Frequently check the motor and brakes. Do not oil the braking system.**
- 5. Regularly inspect all screws and keep them tight.**
- 6. Touch up scratched or chipped paint on metal parts (use touch-up paint or clear nail polish) to prevent rust.**
- 7. Regularly check chain tension and adjust using the chain regulator.**
- 8. Inspect tires for scratches, cracks, or excessive wear. Ensure inner tubes and valves are perpendicular to the wheel hub. Replace damaged/worn tires or inner tubes immediately (contact professional technicians).**
- 9. Do not modify key structural parts (frame, front fork, steerer tube, electrical components). Replace damaged parts only with original factory parts; otherwise, the warranty is void, and you assume full responsibility.**

Riding Guide for Extreme Environments

1. High-Temperature Environments (>35°C)

Shorten continuous riding time (rest for 5 minutes every 30 minutes) to prevent battery overheating.

Park in a shaded area to avoid direct sunlight (which accelerates tire aging).

2. Low-Temperature Environments (<5°C)

Preheat the battery indoors for 30 minutes before riding (increases range by ~20%).

Use lower assist levels (1-2 gears) to reduce sudden power drops from high motor load.

3. Strong Wind Conditions

Ride against the wind in low gears (1-2) to reduce wind resistance impact on range.

In crosswinds, slow to <10km/h, maintain stability, and avoid sudden turns.

Warranty Policy

1. Warranty Coverage and Periods

Component	Warranty Period and Description
Lithium Battery	1-year limited warranty (free replacement if capacity drops to <60%; replacement if <70% within 1 year/500 cycles).
Motor/Controller	1-year full warranty (covers material and workmanship defects).
Frame	1-year warranty (for fractures/welding cracks).
Brake System	6-month warranty.
Wear-and-Tear Parts (tires, chains, etc.)	1-month.

2. Warranty Conditions

Proof of purchase and complete maintenance records are required.

The following are not covered:

Modifications, use of non-original parts, or failure to follow maintenance instructions.

Malfunctions from accidents, intentional damage, or force majeure.

Safety Warnings and Emergency Response

1. Mechanical and Operational Risks

Hot Components: Brake discs and motors may overheat after riding—avoid direct contact.

Pinch Hazard: Keep fingers away from moving joints when folding or adjusting parts.

Operational Prohibitions: Do not ride under the influence of alcohol, ride hands-free, or carry children (maximum load: 120kg). When downhill, avoid prolonged throttle use; prioritize braking.

2. Electrical Safety

Do not disassemble the battery or modify the circuit (risk of fire or electric shock).

Keep the battery at least 1 meter from flammable materials during charging; do not cover it (prevents heat buildup).

Unplug the charger from the power outlet when not in use for extended periods (avoids standby power hazards).

Fire Emergency: ① Move away from flammables → ② Extinguish with a dry powder fire extinguisher → ③ Call emergency services and specify a lithium battery fire.

Leakage Handling: Wear gloves and absorb leakage with sand; do not touch with bare skin.

3. Prevention of Riding Accidents

Maintain a safe distance from other vehicles; avoid sudden acceleration/braking. Slow down on slippery roads and do not use only the rear brake.

For night riding, ensure lights function properly (headlight beam should illuminate 5–10 meters ahead, with a flashing frequency of 75–80 times per minute).

Prohibited Actions

1. Modification and Usage Restrictions

Do not replace the motor, battery, or controller with non-original parts. Do not remove speed-limiting devices or tamper with parameters (voids warranty and may be illegal).

Strictly prohibit overloading (>150kg), high-speed riding on unpaved roads, and using the e-bike while charging.

Do not ride under the influence of alcohol/drugs or submerge the e-bike in water (IPX4 water resistance only protects against splashing).

2. Prohibited Storage and Transportation Practices

1) Long-Term Storage (>1 month)

Environmental Requirements: Store at 10°C–25°C with humidity ≤60%, away from heat sources (heating vents, air conditioners).

Battery Maintenance: Charge to 50%–60% capacity and power on monthly (run for 5 minutes) to maintain battery activity.

Vehicle Protection: Apply anti-rust oil to the chain; inflate tires to 80% of standard pressure (prevents hub deformation).

Prohibited: Storage in humid, high-temperature (>40°C) environments or direct sunlight.

2) Long-Distance Transportation

Remove the battery and package it separately (per IATA standards); protect the frame with original foam.

Confirm destination regulations before international transport (e.g., EU requires CE certification; Canada requires battery capacity declarations).

User Support and Feedback

1. Feedback Channels

- Submit feature requests through the "User Messages" section on our official website (www.dttzh.com);

Multilingual Services: This manual is available in English, Spanish, Chinese, and other languages (downloadable from the official website).

Online Resources: Scan the QR code to access official website video tutorials (including demonstrations of Battery replacement, firmware updates, etc.).

After-Sales Service Contact Information

Email: [\[service@dttzh.com\]](mailto:service@dttzh.com)

Official Website: [\[www.dttzh.com/support\]](http://www.dttzh.com/support)

Disclaimer

1) General Disclaimer

As the manufacturer/seller of electric bicycles, the following applies to product use, maintenance, and liability:

User Responsibility: Users are responsible for proper use, maintenance, and storage. The manufacturer is not liable for damages from improper use, negligence, or violation of guidelines.

Assumption of Risk: Users assume all risks associated with use. The manufacturer is not liable for direct, indirect, special, or consequential damages.

Applicable Laws: Product use, sale, and liability are governed by local laws. Users must comply with relevant regulations.

Warranty Limitations: The warranty applies solely to manufacturer-produced components within the warranty period. It does not cover damages from improper use, negligence, or third-party repairs.

Liability for Replacement Parts: The manufacturer is liable only for new replacement parts, not returned old parts.

2) Disclaimer for Special Circumstances

Modified Products: The manufacturer is not liable for performance, safety, or reliability of unauthorized modifications.

Use Beyond Specifications: No liability for damages from use exceeding technical specifications (load, speed, etc.).

Natural Disasters: No liability for damages from force majeure (floods, earthquakes, etc.).

Third-Party Products: No liability for quality/performance of non-original accessories or third-party products.

Environmental Factors: No liability for damages from extreme temperatures, humidity, or harsh conditions.

3) User Responsibility Statement

Compliance with Regulations: Users must understand and comply with all applicable laws (traffic, environmental, etc.). Non-compliance may result in legal liability.

Safe Operation: Users must ensure safe operation, including wearing safety gear, adhering to speed limits, and maintaining the e-bike in good condition.

Regular Maintenance: Users must perform recommended maintenance to ensure safety and performance. Neglect may cause malfunctions or hazards.

Proper Charging: Use the original charger and charge in a safe environment to avoid fire or electric shock.

Proper Storage: Store the e-bike properly when not in use to prevent damage or theft.

4) Limitation of Legal Liability

Indirect Damages: No liability for indirect, special, or consequential damages (business losses, lost profits, data loss, etc.).

Personal Injury: Liability for personal injury is limited to proven direct damages, to the maximum extent permitted by law.

Property Damage: Liability for property damage is limited to proven direct damages, not exceeding the product's purchase price.

Cumulative Liability: Liability for a single incident or related series of incidents shall not exceed a specified amount and is non-cumulative.

Legal Remedies: Repair, replacement, or refund are the sole remedies for products failing to meet specifications or containing defects.



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