

- Version 01, Year 2023



# **Favorite Hybrid**

**A Guide to Ride Your  
Favorite E-Bike**

UPDATED 4.10.2023  
DESIGNED BY FAVORITE INC

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**“RIDE YOUR  
FAVORITE  
E-BIKE AND  
SEARCH  
FOR TOURS  
& TRAVEL  
ACTIVITIES  
AROUND YOU”**

-FAVORITE INC



# E-BIKE OPERATION

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Thank you for purchasing a Favorite E-bike!

Favorite E-bike's upgrading program is an essential part of the bike's ownership experience and enables your e-bike to improve over time. Depending on your configuration, different upgrades will be available for your e-bike. In the future, the upgrades will automatically appear on the Favorite app.

Favorite offers cutting edge e-bike technology. We will continue working on the new versions of the product and offering new modules to upgrade your e-bike to the latest version.

# FAVORITE SMART SYSTEM & APP

SCAN THE QR CODE ON THE RIGHT, AND DOWNLOAD THE FAVORITE APP.

FAVORITE SMART SYSTEM INCLUDES:



Intelligent Lock



Smart Headlight



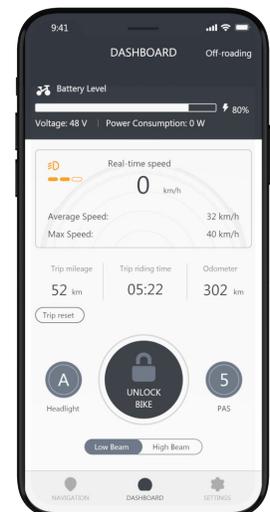
Favorite Display



Button



Fob



Favorite App

# UNLOCK THE E-BIKE

## Please Note

Option 1 applies to any of the following situations:

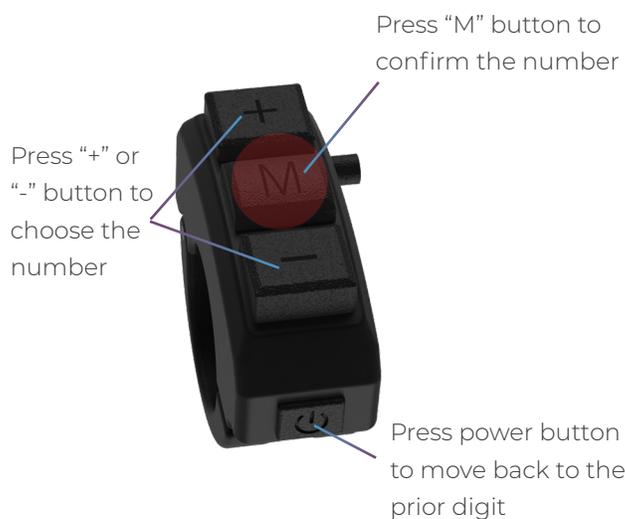
- First time user
- The battery gets removed and reinstalled
- The bike is not used for 3 days

THERE ARE THREE WAYS TO TURN ON YOUR FAVORIT E-BIKE:

### OPTION 1: TURN ON THE E-BIKE WITH BUTTON

Please hold the power button for five seconds to turn on your Favorite E-bike, and then input the default passcode, 000000.

To set up your own passcode, please refer to page 18 add/change passcode section.



### OPTION 2: TURN ON THE E-BIKE WITH RFID

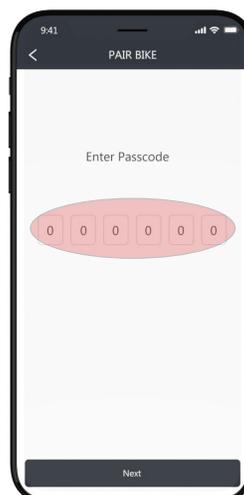
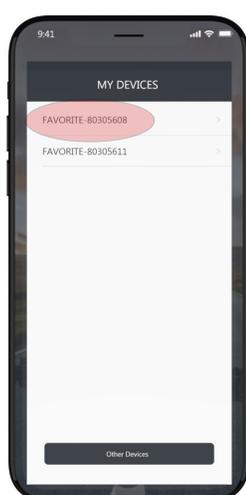
Place the RFID FOB at the top of Favorite logo on the display.



### OPTION 3: TURN ON THE E-BIKE WITH FAVORITE APP

Press "PAIR BIKE" and choose your bike under "MY DEVICES" menus.

Input the default passcode, 000000. Press "Next".



# DASHBOARD

THE BIKE IS UNLOCKED NOW, AND THE DASHBOARD WILL AUTOMATICALLY SHOW UP ON THE FAVORITE DISPLAY.

## BLUETOOTH INDICATOR

## LIGHT LEVEL

Control: Press AND hold "+" or "-" button

## ASSISTING LEVEL

Control: Press "+" or "-" button

## RIDING MODE

Control: Double press power button

## BATTERY

## SPEED

Control: Press "M" button to switch between speed, average speed and max speed

## POWER

## ODOMETER

Control: Press AND hold "+" AND "-" button at same time to reset the trip



# CHOOSE E-BIKE ASSIST LEVEL

The assist level ranges from level “0” to level “5”. The bigger number, the higher output power. The default value is level “1”.



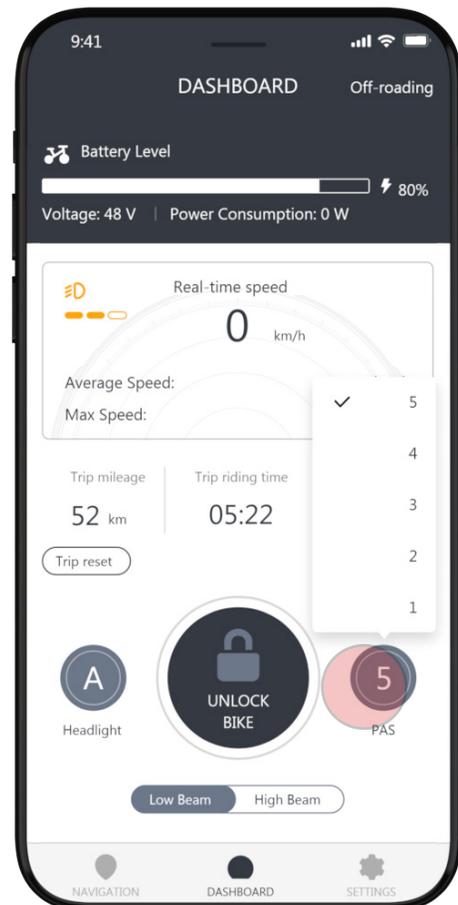
## CHANGE ASSIST LEVEL WITH BUTTON

Press “+” or “-” button to increase or decrease the assist level.



## CHANGE ASSIST LEVEL WITH APP

Press PAS button and choose assist level.



# ACTIVATE THE MOTOR

Congratulations! You are good to go now. Your Favorite E-bike is calibrated and programmed for standard conditions. In addition, your Favorite E-bike has multiple built-in sensors that automatically adjust the light and motor output.



## ACCELERATE BY THROTTLE

Use the throttle to accelerate your Favorite E-Bike. The more significant throttle angle, the more extensive motor output.

## ACCELERATE BY PEDALING

You can energize the motor output by pedaling the bike. Then, ride it as a regular bike.

# USE YOUR 1600 LUMENS LIGHT

The default light mode is “Auto”. The built-in dusk-to-dawn sensor will automatically turn the light on when the ambient is dark and turn the light off when it is bright.

The brightness of the light adapts to the riding speed. The faster you go, the brighter it will be.

The brightness ranges from level “1” to level “3”. The bigger number, the brighter light. The light blinks under the “Flash” mode.



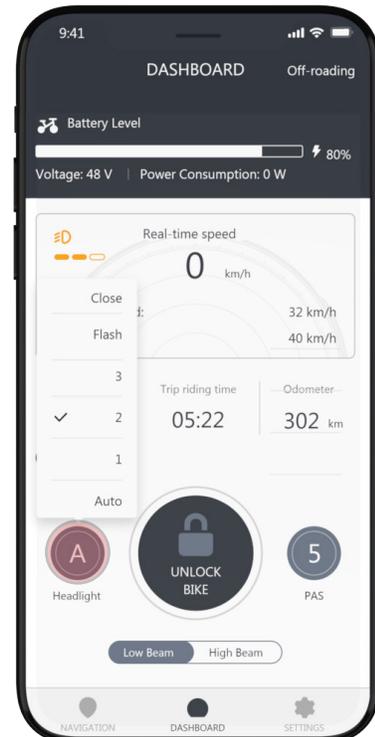
## CHANGE THE LIGHT SETTINGS WITH BUTTON

Press AND hold “+” button to brighten the light or “-” to dim the light.



## CHANGE THE LIGHT SETTINGS WITH APP

Press the headlight button and choose the light level.



## USE YOUR 1600 LUMENS LIGHT

Control the intensity of the light by switching between high beam and low beam.



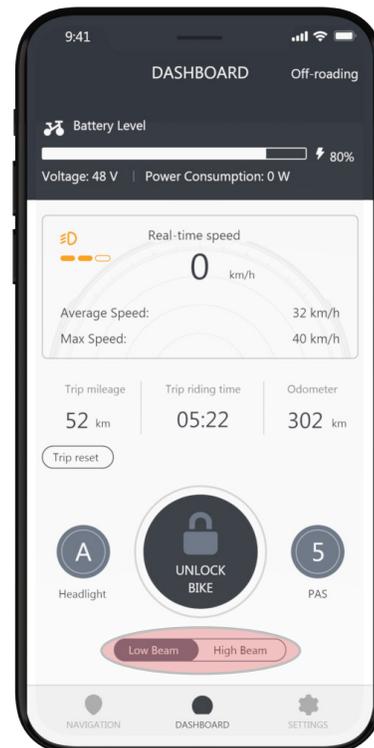
### TURN ON/OFF HIGH BEAM WITH BUTTON

Press AND hold "M" button to turn on/off high beam light.



### TURN ON/OFF HIGH BEAM WITH APP

Press "high beam" or "low beam" to turn on or off the high beam light.



# RIDING MODE

Your Favorite E-Bike comes with two riding modes:

- Off-roading mode (fast acceleration, and max motor output)
- Commuting mode (smooth riding feeling, with acceleration fully controlled as a regular bike)

Whenever the system restarts, the bike will automatically switch to commuting mode.

Dealer can program the riding mode in the advanced settings. Please contact customer service for optimized your riding feeling



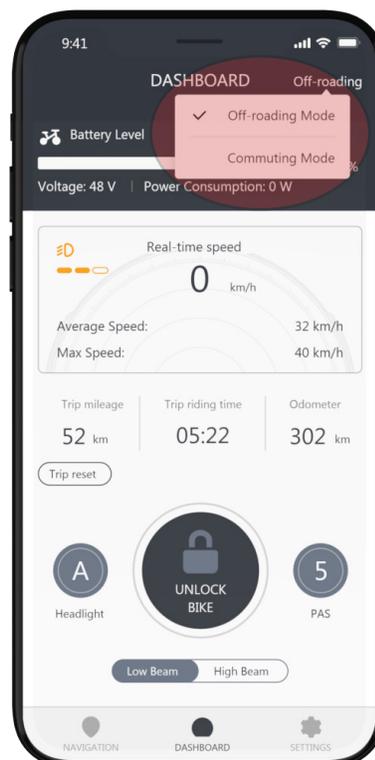
## SWITCH MODES WITH BUTTON

Double press "Power" button.



## SWITCH MODES WITH APP

Press and choose the riding mode at the right top corner of App dashboard.



# TRIP RESET

You can reset your bike's trip mileage, but the total odometer, reflecting the bike's entire distance traveled, cannot be reset.



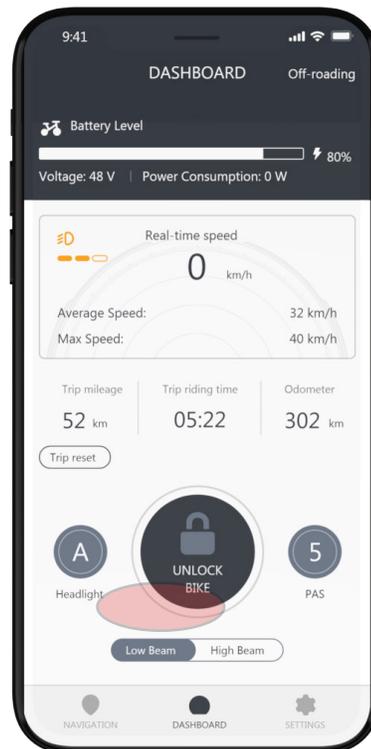
## TRIP RESET WITH BUTTON

Press the "+" and "-" buttons simultaneously to reset the trip mileage.



## TRIP RESET WITH APP

In the app, press the Trip Reset button to reset the trip mileage.



# CHARGING YOUR BIKE

Safety notes:

Charge your battery within 50°F-77°F (10°C-25°C) and check for battery or charger damage before charging. If you observe any issues, stop charging, avoid using the bike, and contact Favorite Bikes Product Support for assistance.

## CHARGE YOUR BIKE

The charging port is discreetly located on the right side of your battery, protected by a rubber seal. Gently remove the seal to reveal the charging port, and insert the charger before connecting it to a power outlet. To initiate charging, plug the charger's input plug (110/240-volt) into an available power socket. The LED charge status light on the charger will illuminate red to signify that charging is in progress. When the battery reaches full capacity, the indicator will display a solid green light. Upon seeing the green light, first disconnect the charger from the power outlet and then carefully unplug it from the charging port.



## BATTERY INDICATOR LIGHT

By pressing the button on the battery, you can swiftly check the battery level through the battery indicator light. The color codes are as follows: blue signifies a 90%-100% charge, green indicates a 33%-90% charge, and red represents a 0%-33% charge.



## REMOVE YOUR BATTERY (OPTIONAL)

You can also remove your battery from the bike with the battery keys, and charge the battery independent.



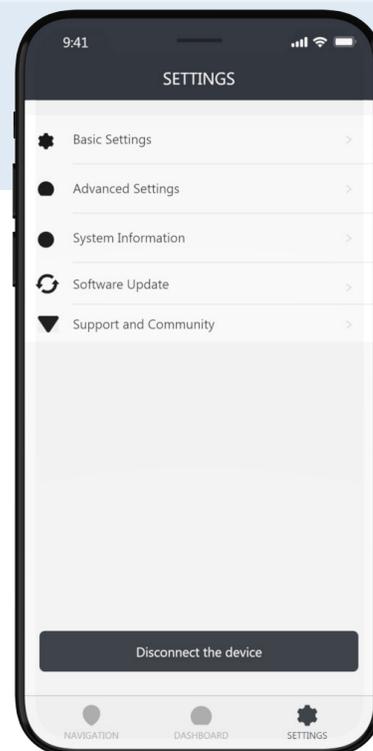
# SETTINGS

## Settings menu includes:

- **Basic Settings**
- **Advanced Settings**
- **System Information**
- **Support and Apps**

## App only:

- **Software Update**
- **Support and Community**



## ACCESS THE SETTINGS WITH BUTTON

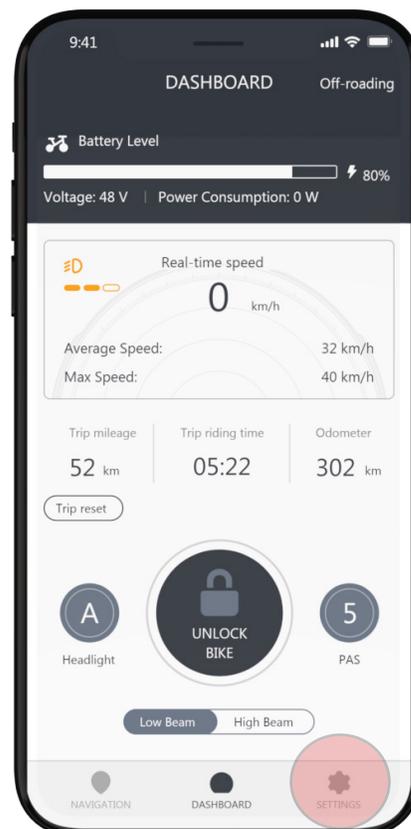
Press the “M” button twice to enter the settings menu. Once inside the menu, use the “M” button to confirm selections or access submenus.

To return to the previous menu or dashboard, press the “Power” button or double-click the “M” button..



## ACCESS THE SETTINGS WITH APP

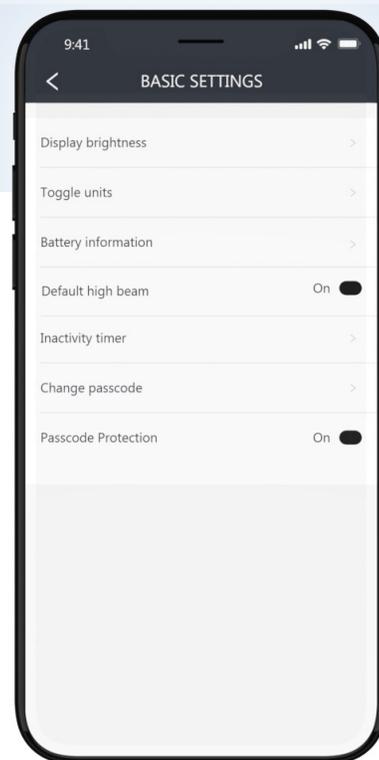
Press “SETTINS” icon to access the settings menu.



# BASIC SETTINGS

Basic settings menu includes:

- Display brightness
- Toggle units
- Battery information
- Default high beam
- Inactivity timer
- Add/Change passcode
- Passcode for unlock



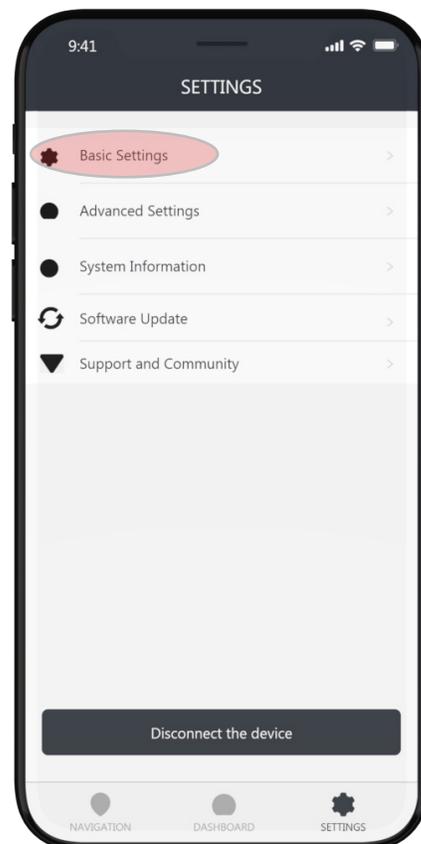
## ACCESS SETTINGS WITH BUTTON

When you are in the menu, press “M” button to confirm and go to the sub menu. Double press “M” button to go back to the dashboard.



Press “+” or “-” button to navigate the menu.

Press power button to move back to prior menu.



# DISPLAY BRIGHTNESS

The default brightness level is 3.

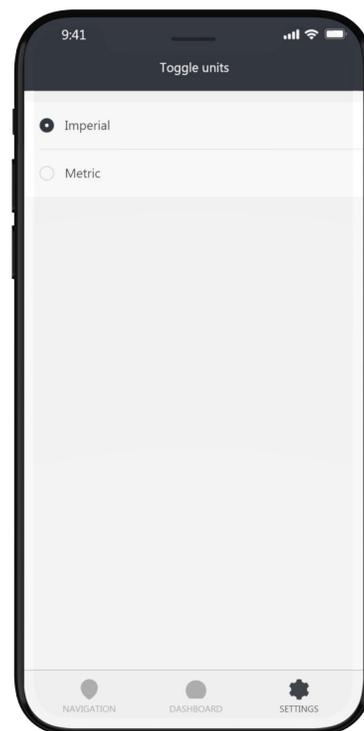
## CHANGE DISPLAY BRIGHTNESS BY BUTTON

Press "+" or "-" to adjust the brightness.



# TOGGLE UNITS

Toggle units between imperial (mile, MPH) and metric (km, km/h). The default is imperial.



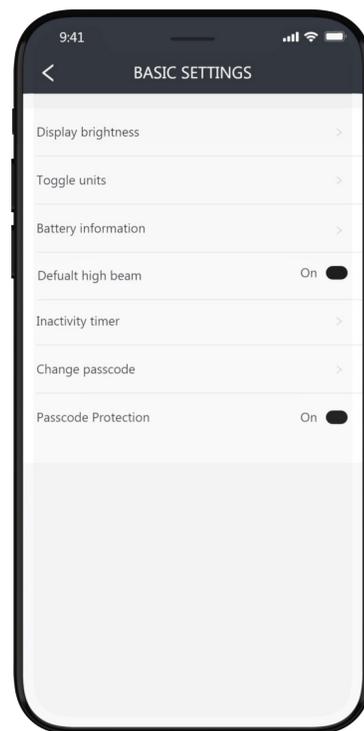
## BATTERY INFORMATION

Battery indicator has two modes: voltage mode (the unit is V) and capacity mode (%). The default is capacity mode.



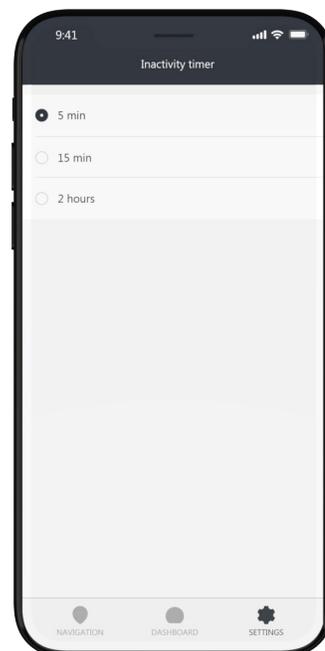
## DEFAULT HIGH BEAM

You may choose if you want the high beam on automatic mode or not. The default is on.



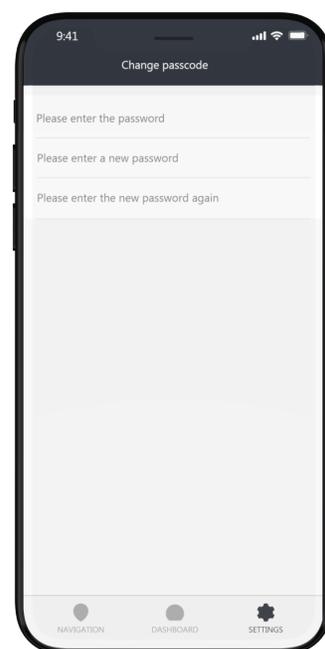
## INACTIVITY TIMER

The bike will shut down automatically if you do not operate it for a certain amount of time. You may set the inactivity timer for 5 min, 15 min or 2 hours. The default inactivity timer is 5 minutes.



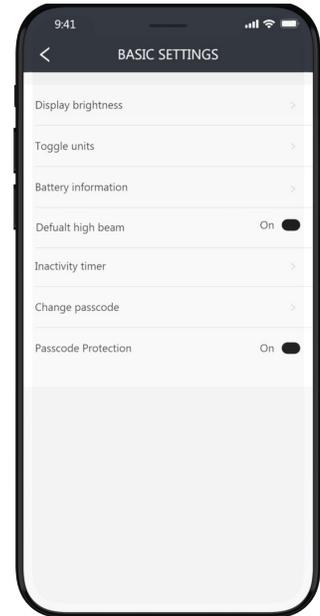
## ADD/CHANGE PASSCODE

Please reset your passcode. The default passcode is 000000. To confirm your input, press the "M" key. If you need to delete your input and return to the previous digit, press the power button.



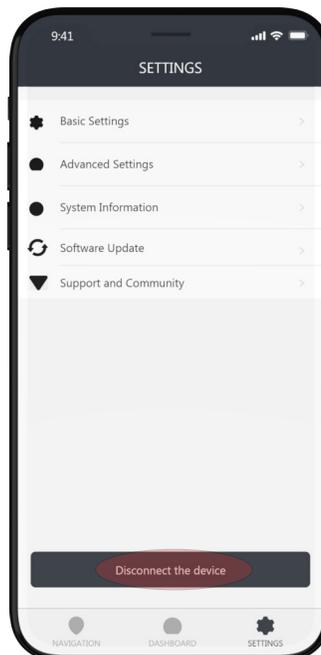
## PASSCODE FOR UNLOCK

You may turn off the passcode protection, in this case, you will not need to input the passcode to unlock the e-bike.



## CONNECT TO ANOTHER BIKE

To connect your phone to another Favorite E-bike, press “Disconnect the device”. Then you will be guided to “PAIR BIKE” page.



# TURN OFF YOUR FAVORITE E-BIKE

Please manually close the lock after you turn off the display

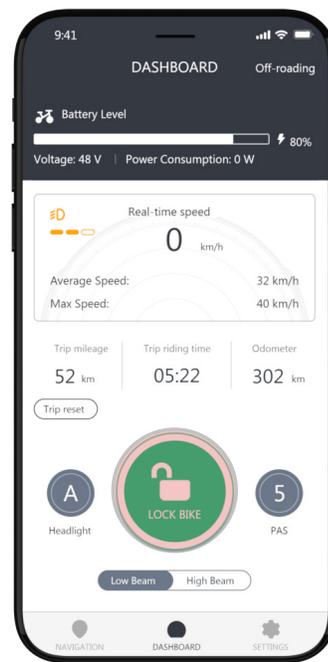
## TURN OFF YOUR FAVORITE E-BIKE WITH BUTTON

Press AND hold power button to turn off the system.



## TURN OFF YOUR FAVORITE E-BIKE WITH APP

Press "LOCK BIKE" button on the dashboard to turn off the system.

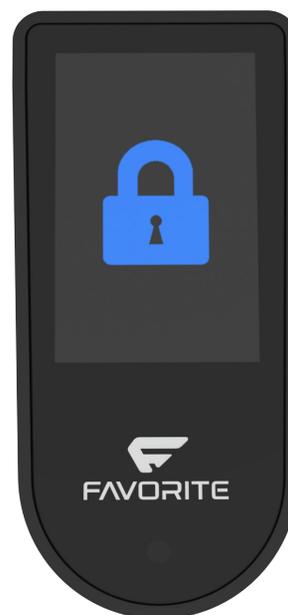


# LOCK THE BIKE

Close the lock manually, your Favorite E-bike system will then automatically shut off.



Press the thumb button and push to close the lock.



## ERROR CODE

Error codes help you to identify the cause of a problem, a failing component, and the service actions that might be needed to solve the problem.

CODE	ERROR	SOURCE OF ERROR
21	Voltage Current Error	The battery is not supplying the required voltage to power the display and motor. This can be caused by working the internal controller, motor, and/or battery too hard in some cases (long extended climbs with rider not pedaling hard enough).
22	Throttle Error	When you press and release the throttle, it should return to the original position. Remove any obstructions. Check the throttle and throttle cable for damage, such as a cut or frayed cable or loose connection point.
23	Motor Phase Error	Check the motor cable connection point by the chainstay. Check the cable connection, disconnecting carefully, make sure it is free from grit or contaminants, properly aligned and firmly connected. This error might appear if you don't reconnect the cable after removing the rear wheel (for example, after changing a flat tire, or transporting your bike in or on on your vehicle). At least one of the motor phase wires has been damaged or is temporarily disconnected. Another possible cause is, damage to the motor cable as it exits the axle, perhaps if the wheel was dropped on the cable or something hit or pulled the cable.
24	Motor Communication or Hall Sensor Error	Check the motor cable connection point by the chainstay. Check the cable connection, disconnecting carefully, make sure it is free from grit or contaminants, properly aligned and firmly connected. This error might appear if you don't reconnect the cable after removing the rear wheel (for example, after changing a flat tire, or transporting your bike in or on on your vehicle). At least one of the motor phase wires has been damaged or is temporarily disconnected. Another possible cause is, damage to the motor cable as it exits the axle, perhaps if the wheel was dropped on the cable or something hit or pulled the cable.
25	EBS (Electronic Brake Shutoff)	Disconnect the electronic brake shut off wire 1 at a time to determine if it is caused by 1 or both. This can happen often after a crash or when the bike is dropped. Inspect both levers for signs of damage or lever not returning to proper position.
26	Low Voltage Protection	If you encounter Error code 26, it means that the battery voltage is insufficient to operate the motor. This is a safety feature of the battery, which activates at approximately 20% charge. If this error occurs at a battery level of 30%, please get in touch with your dealer or customer support to modify the low voltage protection configuration in the advanced settings.
30	Communication Error	A problem with the connection from the internal controller to the display. The display is not receiving vital information. Often the issue is a stressed or damaged display cable, however it can be related to the internal controller, and in rare instances the motor.



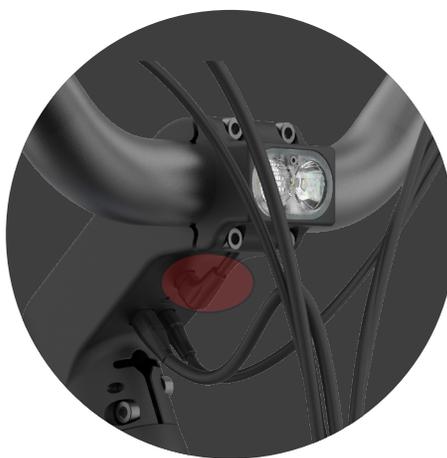
## LIGHT ERROR INDICATOR

The light indicator on the left top corner of display flashing X means the light cable is not connected properly.

**CHECK THE CONNECTOR ON THE LIGHT BOARD**



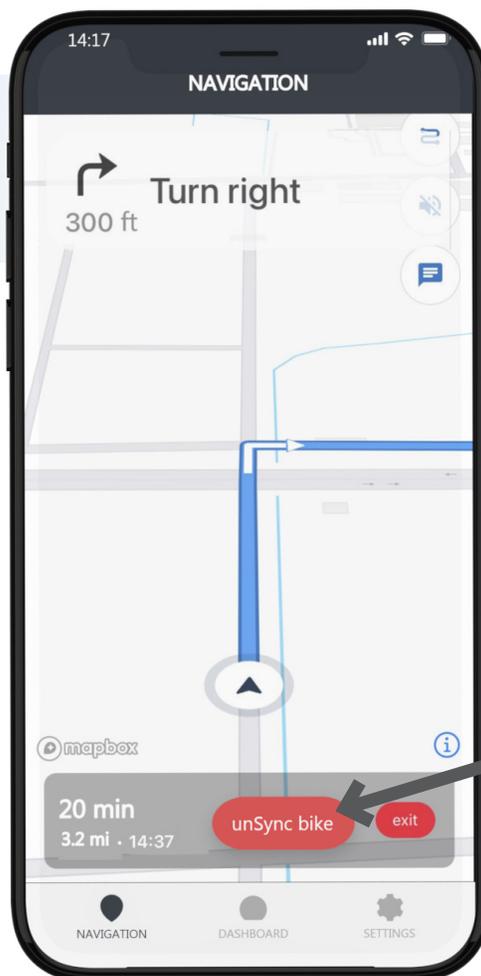
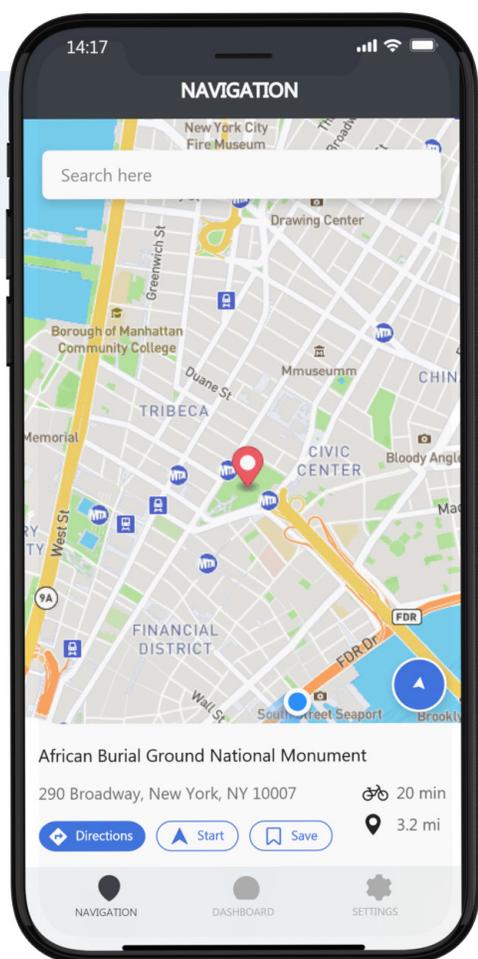
**CHECK THE LIGHT CONNECTOR ON THE STEM**



# NAVIGATION

## NAVIGATION AND SYNC TO YOU BIKE

To sync navigation with your bike, first search for and select your destination using your Favorite map app. Once you click 'start,' the app will automatically synchronize with your bike's display, providing turn-by-turn navigation on the screen. If you wish to exit navigation mode, either select 'unsync' within the app or press the power button on the bike's button control.

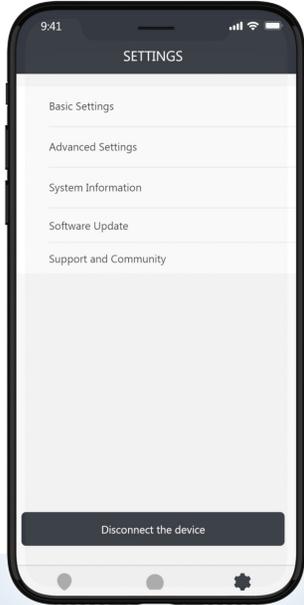


Press "Sync Bike" or "Unsync Bike" to toggle the visibility of turn-by-turn directions on your display.

# FIRMWARE UPDATE

## STEP 1

Go to Settings and Click "Software Update". The display will go to the firmware update page



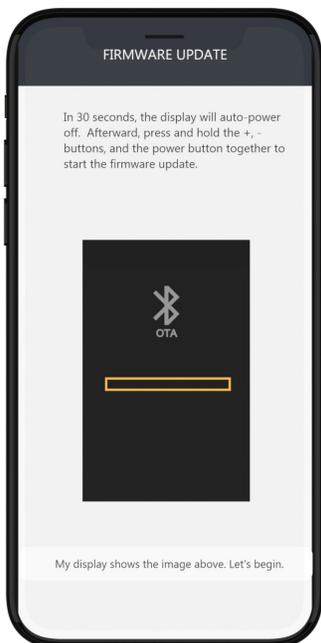
## STEP 2

In 30 seconds, the display will autopower off. Afterward, press AND hold "+", "-", AND the power button together to start the firmware update.



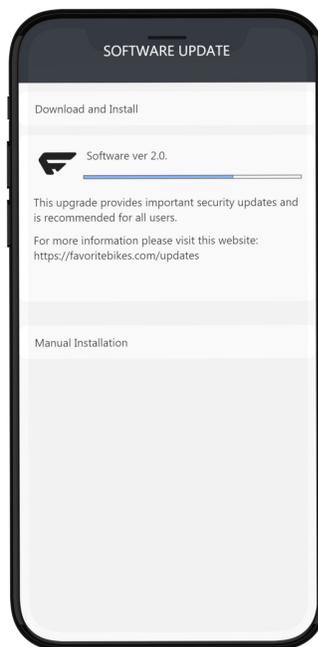
## STEP 3

If the second display image appears on the updating page as part of step 2, proceed by clicking "Let's Begin."



## STEP 4

Press "Download and Install" to start the updating



## STEP 5

Wait until the firmware update completed. Do not power off during updating.





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