Manual of LCD Display
F20F Fat Tire E-bike



CAUTION: READ THIS MANUAL BEFORE USING YOUR EQUIPMENT

Warm Tips

Thanks for your smart choice and becoming a new member of VIVI electric bike family.

For easy and safe riding, we specially prepared this manual. Hope it is helpful for knowing the details of VIVI electric bike.

We create a good image for VIVI electric bike for its unique shape, advanced and reliable technology as well as good after-sales service. The body structure that can withstand 100,000 times of vibration, shock absorber, high-efficiency motor and driving system has become the leading and unique advantage of this electric bike.

User requirement is our eternal pursuit.

For improving our product, hope you can share with us your riding feeling and opinions without any reservation.

Green and healthy travel, leading the great future with small action.

VIVI electric bike has a complete R&D, manufacturing and sales system, all models are self-developed and have won good praises from customers.

Our product is environment-friendly, leisure, comfortable, convenient and practical, thereby becoming a necessary travel product in thefuture.

Dear users, for the safety of you and others and to ensure the good performance, please carefully read this manual before using. Daily forms and maintenance knowledge in this manual can help you know well about the bike. Any improper operation may leadto damage to the product.

Thanks for purchasing “VIVI” electric bike. Due to constant technical improvement and upgrading, there may be a slight difference between the real object and manual. Please take the real object as the standard. Please carefully read and observe the contents markedwith ⚠ in the manual.

About our brand

1. Specifications

1.1 Intelligent LCD Display Model: YL80C



Main Interface



Function Button

Performance indexes	Item	Description
Basic Parameters	Input voltage	48V
	Rated current	15mA
	Rated current	30mA
	Leakage current at power-off	<1uA
	Working temperature	-20℃～60℃
	Storage temperature	-30℃～70℃

1.2 Product Dimensions(Unit: mm)



2. Function

It can provide a lot of functions for VIVI F20F Fat tire E-bike.

2.1 Main Function Description

- Battery level indicator
- Motor power indicator
- Assist level adjustment and indication
- Speed indicator (including real-time speed, maximum speed and average speed)
- Distance indicator (including trip distance and ODO)
- Push assistance control and indication

2.2 LCD Display System



Battery level indicator

Fault indicator

Speed indicator

Assistance level indicator

Walk Indicator

Mileage indicator

Speed unit indicator

Trip distance

Maximum speed

Average speed

Unit indicator

2.3 Operation Button

There are five buttons on the operating unit of display YL80C.



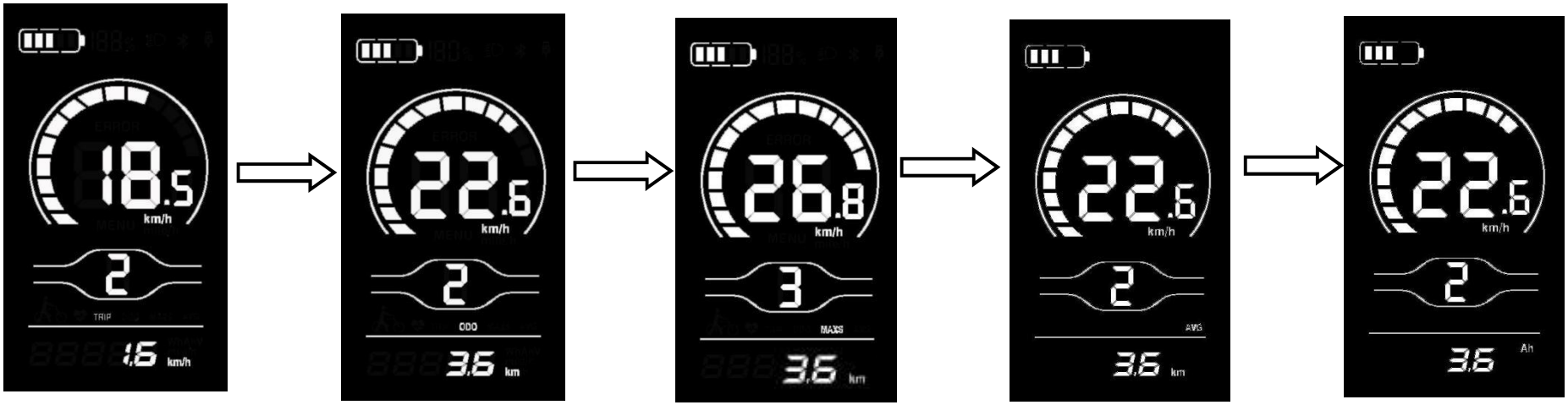
3. Operation

3.1 Power On/Off

- Turn on the battery first, press and hold the button for about 2s, and the display will start working.
- In the on state, press the button, and your e-bike will be turned off.
- In the power-off state, the display will no longer use battery power and its leakage current will be less than 1uA.
- If your e-bike is not used for more than 10 minutes, the display will automatically power off.

3.2 LCD Display Interface

- After the display is turned on, the display will show the real-time speed (mile/h) and the trip distance (mile) by default.
- Press the button i , the information displayed will be switched between the trip distance (miles), ODO (mile),maximum speed (mile/h), average speed (mile/h) and riding power.



Trip distance interface ODO interface Max speed interface Average speed interface Riding power interface

3.3 Walk Assist Mode

- Press and hold the button − around 3 seconds, your e-bike motor will start to run at a uniform speed of 6km/h (3.73mph) and will continue to do so whilst you press that button, the display will show 
- By releasing the button − , the walk assist mode ends and the display reverts to as it was.

NOTE: *The Walk Assist Mode can only be used when you are pushing your e-bike uphill. Please DO NOT use it when normal cycling.*

3.4 Backlight On/Off

- Press the button , the display backlight will turn dark;
- press the button again, the backlight will light up.

3.4 Headlight On/Off

- Press the button 1 second, the lights turned on;
- press it another 1 second ,the light turned off.

3.5 Pedal Assist

- Press the button + / − to change the assistance from level 1 to 5.

3.6 Battery Level Indicator



Full battery level | 4-segement | 3-segement | 2-segement | 1-segement



Under-voltage flashing

4. Personalized Settings

4.1 General Parameter Setting 1

In the status of power on, press and hold the ⊕ and ⊖ button at the same time for 3S, then enter the status of general parameter setting 1. The speed is displayed as the adjustable parameter item, and the gear is displayed as the serial number of the adjustable parameter item.

- One-time mileage reset function (TC);
- Backlight brightness level setting (BL).
- Imperial and metric unit conversion settings (U);

4.2 General Parameter Setting 2

In the status of general parameter setting 1, pressing and holding the ⊕ and i button simultaneously for 3S will enter the status of general setting 2. The speed is displayed as the adjustable parameter item, and the gear is displayed as the serial number of the adjustable parameter item.

- Wheel diameter setting (LD);
- Speed limit setting (LS);

4.3 Personalized Parameter Setting

In the status of general parameter setting 1, pressing and holding the ⊕ and ⊖ button simultaneously for 3S will enter the status of personalized parameter setting. The speed is displayed as the adjustable parameter item, and the gear is displayed as the serial number of the adjustable parameter item.

- Voltage segmentation setting (VOL).
- Power parameter setting (SCA) [This setting can be adjusted gear and the duty cycle corresponding to each gear]
- Current limit value setting (CUr)
- Power sensor setting (PAS) [This setting can adjust the direction of the power sensor, sensitivity, the

number of power magnets].

- Speed sensor setting (SPS)
- Turning handle function setting (Hnd)
- System setting (Sys) [This setting can adjust the power delay time (dLY), maximum speed limit (LS), push enable (PUS), walk Speed, slow start parameter setting (SSP)]
- Power-on password setting (PSd)

4.4 Setting Operation

Short press the ⊕ or ⊖ button in the set state to switch the adjustable parameter items, and short press the i button to select/confirm the operation.

- Pressing the i button for 3S in the setting state to save and exit the setting state.
- Pressing ⊖ button or 3S in the setting status, then the setting status will not saved and will be exited.

5. Error Code Indicator

Getting error codes on your VIVI F20F E-bike is not something you want to see. Sometimes an error code could mean a loose wire, or other times a sensor could be damaged. Use the error code chart below to find out what the error on your LCD display means.

5.1 Most Common Errors on LCD Display

Error code	Error	Notes
021	Current Sensor Fault	The controller's current sensor has become disconnected or damaged. Contact tech support
022	Handle Fault	Throttle may be damaged. Check the throttle cable for damage.
023	Motor Phase Line Fault	At least one of the motor's phase wire has been disconnected or damaged.
024	Motor Hall Sensor Fault	At least one of the motor's hall sensor wires has been disconnected or damaged. Disconnectand reconnect the motor cable.
025	Brake Fault	Unplug brake pads, and to check each brake, restart the bike. If the error remains, try a newcontroller after unplugging the brakes.
030	Communication Fault	Poor connection between the controller and the display. Check all cable connection. Checkfor corrosion damage.

5.2 Notes

- This LCD display only works with compatible VIVI models - F20F E-bike.
- Be sure to turn off all power to the main battery of the bike before disconnecting or reconnecting the LCD display.
- Take particular care to lineup the male connector plug of the display with the female plug on the bike. Check for the orientation arrows on each part and use minimal force.
- Position the display so that cables and connectors are not subjected to any strain, even when your handlebars are adjusted for riding or during.
- Never attempt to dismantle the display
- Do not use power on the bike until any error codes have been corrected.

If you have any questions, please feel free to contact us. We will reply and solve within 24 hours.

Website: https://viviebikes.com

Email: service.viviebike@gmail.com



VIVI shall reserve the final interpretation right of all terms andconditions in this manual.

MADE IN CHINA