



USER MANUAL – EN

IN 23351 Display for folding electric fat bike ISL Baxom 20"

CONTENTS

- SPECIFICATIONS..... 3
- APPEARANCE AND DIMENSIONS 3
- OVERVIEW OF FUNCTIONS 4
- CONTROL BUTTONS..... 4
- USE 5
 - SWITCHING THE DISPLAYED INFORMATION..... 5
 - WALKING ASSISTANCE..... 6
 - MOTOR ASSISTANCE LEVEL..... 6
 - DISPLAYING BATTERY CHARGE STATUS 6
 - ERROR CODES 7
 - SETTING PARAMETERS..... 9
- ENVIRONMENT PROTECTION 15
- TERMS AND CONDITIONS OF WARRANTY, WARRANTY CLAIMS..... 15

SevenSport s.r.o. reserves the right to make any changes and improvements to its product without prior notice. Visit our website www.insportline.eu where you will find the latest version of the manual.

Product Name and Model Number

Smart LCD Display for Electric Bikes, Model No. YL81F

SPECIFICATIONS

Power supply 24V/36V/48V

Display current 15mA

Maximum display current 30mA

Display current in inactive state <1uA

Current supplied to the control unit 50mA

Operating temperature -20 ~ 60°C

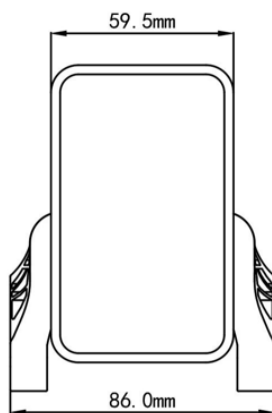
Storage temperature -30 to 70°C

APPEARANCE AND DIMENSIONS

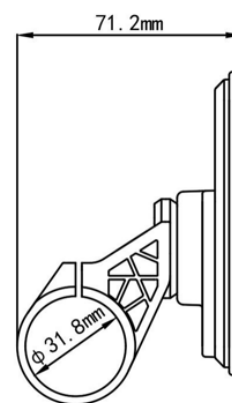
Display YL81F



Control buttons



Front view with dimensions

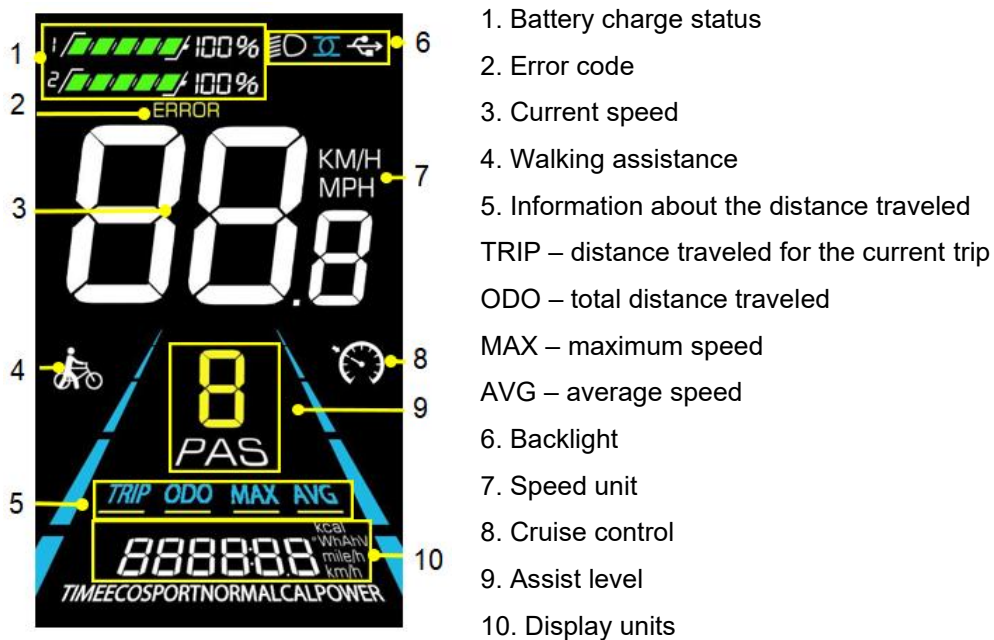


Side view with dimensions






Overview of control panel functions and indicators

OVERVIEW OF FUNCTIONS

- Battery level indicator
- Assistance mode indicator (PAS)
- Speed (current speed, maximum speed, average speed)
- Distance indicator (trip and total distance)
- Walking assistance
- Display backlight on/off
- Error code indicator
- Cruise control indicator
- Settings
- Factory reset function




CONTROL BUTTONS

-  On / Off
-  Increase value
-  Decrease value
-  Light
-  Menu

USE


On/Off

Hold the  button to turn the display on/off. If the display is off, it will not consume battery power.



The display turns off automatically after 10 minutes of inactivity.




Switching the displayed information

If the display is on, you can switch the displayed information by pressing the  button.

SWITCHING THE DISPLAYED INFORMATION



WALKING ASSISTANCE

Hold the  button to activate walking assistance. While guiding the bike, the bike will move at speed 10 km/h and icon  will be displayed. To turn off the walk assistance, release the button. .





Walking assistance icon



Only use the function when you walk with the bike. Never use the function while riding the bike.

MOTOR ASSISTANCE LEVEL

Change the assistance level by pressing  /  buttons while riding.



Motor assistance level

DISPLAYING BATTERY CHARGE STATUS



Fully charged battery



Battery charged to 4/5 capacity



Battery charged to 3/5 capacity



Battery charged to 2/5 capacity



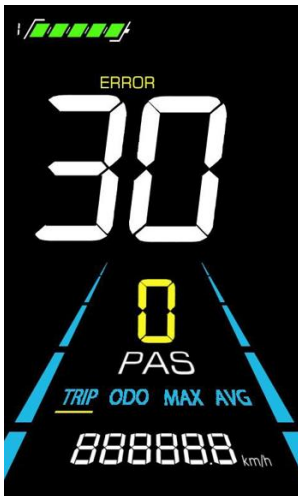
Battery charged to 1/5 capacity



Low battery

ERROR CODES

During a fault, the corresponding error code will appear on the display.



ERROR Error code.



If an error code is displayed, the fault needs to be resolved. The bike is not capable of safe operation until the error is resolved.

Code	Error	Status	Possible solution
E01/09	Control unit	The electric bike does not work after starting	<ol style="list-style-type: none"> 1. Check the control unit cable connections 2. Restore factory settings. 3. Replace the control unit and test <p>Note: When reconnecting the cables, it is necessary to turn the control panel off and on again.</p>
E02	Communications	The e-bike does not respond after starting, the battery is discharged.	<ol style="list-style-type: none"> 1. Check the correct connection of the display cables 2. Check whether the main wire of the controller and the wire assembly are connected correctly (the waterproof connector is connected according to the cable marking) 3. Replace the cables and test the control panel <p>Note: When reconnecting the cables, the control panel must be turned off and on again.</p>
E03	Hall sensor	The motor does not work and current is heard.	<ol style="list-style-type: none"> 1. Check if the motor phase wire and Hall sensor are connected correctly 2. If the connection is correct, restart the bike. If the display still shows error code E003, replace the motor or control unit. <p>Note: When reconnecting the cables, it is necessary to turn off and on the control panel again.</p>

E04/E08	Throttle	The bike does not respond to speed changes	<ol style="list-style-type: none"> 1. Check that the throttle is in the correct position 2. Check that the throttle cable is connected correctly and is not loose 3. Set 10P to 0 and check that the error code is still displayed 4. Replace the throttle 5. If the error code is still displayed after performing the steps above, replace the control unit. <p>Note: When reconnecting the cables, it is necessary to turn the control panel off and on again.</p>
E05	Brakes	The rear warning light does not light up when the brake lever is pressed	<ol style="list-style-type: none"> 1. Check that the brake lever returns to its original position 2. Check that the brake lever cable is connected correctly and is not loose. 3. Adjust the position of the brake sensor. 4. Replace the brake lever. <p>Note: When reconnecting the cables, it is necessary to turn the control panel off and on again.</p>
E06/E07	Motor phase	The engine speed is unstable, or the engine does not run, or there is a "buzzing" sound.	<ol style="list-style-type: none"> 1. Check whether the main wire of the controller and the wire assembly are connected correctly (the waterproof connector is connected according to the cable marking) <p>Note: The connection cables must be from the original motor manufacturer</p> <ol style="list-style-type: none"> 2. Replace the motor. If the problem persists, replace the control unit. 3. If the above solutions do not work, the motor and the control unit need to be paired. <p>Note: When reconnecting the cables, the control panel must be turned off and on again.</p>
E06	Low battery	Battery status flashes and cannot be started	<ol style="list-style-type: none"> 1. Check whether the battery needs to be charged. Use a charger that meets the specifications. 2. Check whether the display setting parameters are normal. The normal parameters are P15/40v. 3. After confirming that the battery is OK, replace the control unit. <p>Note: When reconnecting the cables, the control panel must be turned off and on again.</p>



E10	Communication sensors	Displays error code	<ol style="list-style-type: none"> 1. Check whether the display cable is connected correctly (the waterproof connector is connected according to the cable marking). 2. Check whether the waterproof controller cable and cables are connected correctly (the waterproof interface is connected according to the marking). 3. Check whether the cables are damaged. 4. Replace the control unit. <p>Note: When reconnecting the cables, it is necessary to turn off and on the control panel again.</p>
-----	-----------------------	---------------------	---

SETTING PARAMETERS









Only make any adjustments to the settings when the bike is not moving.


Only set parameters when the display is turned on (on the home screen) and no assistance mode is selected.

Hold both  and  buttons for 2 seconds, you will enter settings.






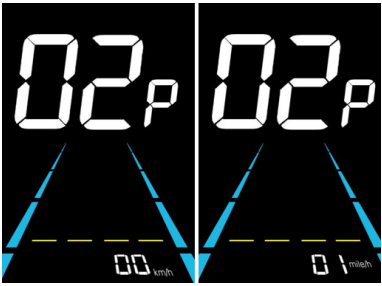











Enter password 2404 (select the number by pressing  and  buttons, confirm the number by pressing  button). Confirm the password by holding  button.

Use  /  buttons to select parameters, press  button to confirm selection.

You can adjust the value by  /  buttons. Press  button to confirm selection and return to parameter selection.

Hold the  button to leave settings.

You can adjust following settings:





<p>Display backlight 01P</p> 	<p>Parameters:</p> <ul style="list-style-type: none">01 – minimum value02 – medium value03 – high value <p>Press  to enter the settings, adjust the value by  /  buttons. Press  to confirm set value and return to setting interface.</p>
<p>Units 02P</p> 	<p>Parameters:</p> <ul style="list-style-type: none">00 – metric units (kilometers)01 – imperial units (miles) <p>Press  to enter the settings, adjust the value by  /  buttons. Press  to confirm set value and return to setting interface.</p>
<p>Input voltage 03P</p> 	<p>Parameters:</p> <p>24V, 36V, 48V</p> <p> Do not change the value! There is a risk of damage to the electronics and battery. Default value: 48 V</p>
<p>Automatic display saving mode 04P</p> 	<p>After the set time, the display will automatically switch to power saving mode in case of inactivity.</p> <p>Setting range: 1 – 60 min, 00 – the display will be on continuously.</p> <p>Press  to enter the settings, adjust the value by  /  buttons. Press  to confirm set value and return to setting interface.</p>

Motor assistance range 05P



Parameters:


0~3, 1~3, 0~5, 1~5, 1~7, 0~7, 0~9, 1~9

Press  to enter the settings, adjust the value by  /  buttons. Press  to confirm set value and return to setting interface.

Wheel size diameter 06P



Setting range: 1 – 50 inches (inch)


 **Do not change the value!** The display will calculate the values incorrectly.

Default value: 20.0 inches

Number of speed sensor magnets 07P



Setting range: 1 – 255 (pcs)

 **Do not change the value!** The display will calculate the values incorrectly.

Default value: 1

Starting assistance 08P







Can only be set if the 09P starting assistance is set to 01 or 02.

Values:

00 – starting assistance using the throttle (without pedaling)

01 – starting assistance using the throttle (with pedaling required)

Press  to enter the settings, adjust the value by  /  buttons. Press  to confirm set value and return to setting interface.

Riding mode 09P







Parameters:

00 – pedal assistance

01 – electronic drive (using the throttle)





02 – combination of 00 and 01

Press  to enter the settings, adjust the value by  /  buttons. Press  to confirm set value and return to setting interface.

Motor assistance sensitivity 10P







Setting range: 1 – 24, a higher value indicates the number of crank turns to activate assistance.

Press  to enter the settings, adjust the value by  /  buttons. Press  to confirm set value and return to setting interface.

Motor assistance power 11P




Setting range 0 (lowest) – 5 (highest)

Press  to enter the settings, adjust the value by  /  buttons. Press  to confirm set value and return to setting interface.

Number of assistance sensor magnets 12P



Setting range: 5 – 12 pcs


 **Do not change the value!** The assistance will not work properly.

Default value: 12 pcs

Control unit current limitation 13P



Setting range: 1 – 50 A


 **Do not change the value!** You may damage the electronics and the battery.

Default value: 15

Battery undervoltage setting 14P



Setting the battery voltage limit at which automatic protection is triggered.

 **Do not change the value!** You may damage the electronics and the battery.

Default value: 40.0





Resetting the total distance traveled ODO 15P



Settings:

00 – reset

01 – do not reset

Press  to enter the settings, adjust the value by  /  buttons. Press  to confirm set value and return to setting interface.





Cruise control settings 16P



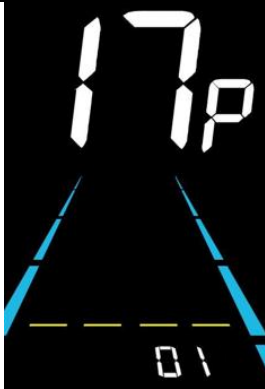
Settings:

00 – inactive

01 – active

Press  to enter the settings, adjust the value by  /  buttons. Press  to confirm set value and return to setting interface.

Walking assistance 17P



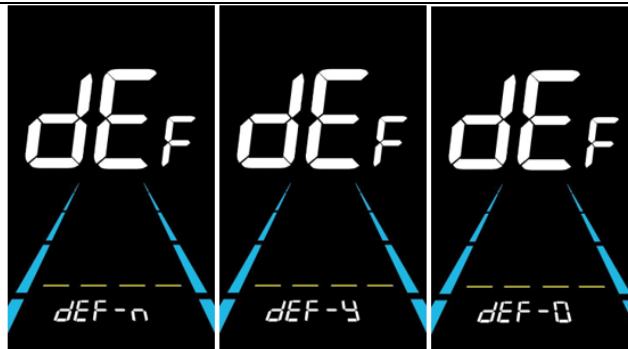
Settings:

00 – inactive

01 – active

Press **i** to enter the settings, adjust the value by **+** / **-** buttons. Press **i** to confirm set value and return to setting interface..

Factory reset



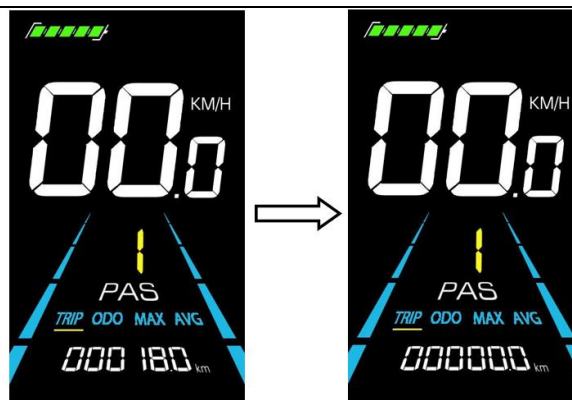
Enter the main display interface. Without assistance mode, hold down the **D** and **+** buttons simultaneously for 2 seconds. Use the **+** / **-** buttons to select the value:

dEF-Y (restore factory settings)

dEF-N (do not restore factory settings)

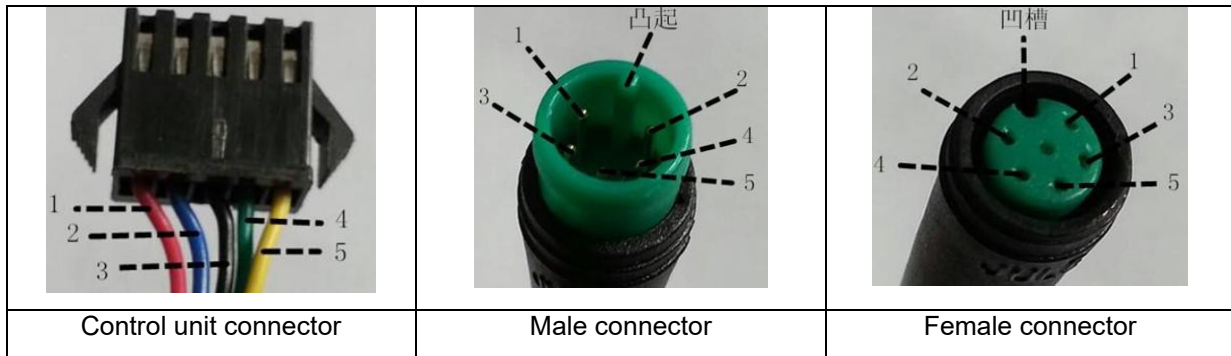
Press the **i** button to confirm the selection. During the reset, the display will show dEF-0. After the values are reset, the main display interface will be displayed.

Resetting the current distance traveled



The distance traveled is not automatically reset after the bike (display) is turned off. It is necessary to reset the value manually by pressing the **-** and **i** buttons for 2 seconds. The display will flash several times during resetting.

Cable connection



Order	Colour	Function
1	Red (VCC)	Display charging cable
2	Blue (Kp)	Controller power cable
3	Black (GND)	Display ground
4	Green (RX)	Display data reception
5	Yellow (TX)	Display data transmission

The cables are waterproof, the colors inside the connectors are not visible.

ENVIRONMENT PROTECTION

After the product's lifespan expires or if the possible repair is uneconomic, dispose of it according to the local laws and environmentally friendly in the nearest scrapyard.

By proper disposal you will protect the environment and natural resources. Moreover, you can help protect human health. If you are not sure of the correct disposing, ask local authorities to avoid law violation or sanctions.

Don't put the batteries among house waste but hand them in to the recycling place.

TERMS AND CONDITIONS OF WARRANTY, WARRANTY CLAIMS

General Conditions of Warranty and Definition of Terms

All Warranty Conditions stated here under determine Warranty Coverage and Warranty Claim Procedure. Conditions of Warranty and Warranty Claims are governed by Act No. 89/2012 Coll. Civil Code, and Act No. 634/1992 Coll., Consumer Protection, as amended, also in cases that are not specified by these Warranty rules.

The seller is SEVEN SPORT s.r.o. with its registered office in Strakonická street 1151/2c, Prague 150 00, Company Registration Number: 26847264, registered in the Trade Register at Regional Court in Prague, Section C, Insert No. 116888.

According to valid legal regulations it depends whether the Buyer is the End Customer or not.

"The Buyer who is the End Customer" or simply the "End Customer" is the legal entity that does not conclude and execute the Contract in order to run or promote his own trade or business activities.

"The Buyer who is not the End Customer" is a Businessman that buys Goods or uses services for the purpose of using the Goods or services for his own business activities. The Buyer conforms to the General Purchase Agreement and business conditions.

These Conditions of Warranty and Warranty Claims are an integral part of every Purchase Agreement made between the Seller and the Buyer. All Warranty Conditions are valid and binding, unless otherwise specified in the Purchase Agreement, in the Amendment to this Contract or in another written agreement.

Warranty Conditions

Warranty Period

The Seller provides the Buyer a 24 months Warranty for Goods Quality, unless otherwise specified in the Certificate of Warranty, Invoice, Bill of Delivery or other documents related to the Goods. The legal warranty period provided to the Consumer is not affected.

By the Warranty for Goods Quality, the Seller guarantees that the delivered Goods shall be, for a certain period of time, suitable for regular or contracted use, and that the Goods shall maintain its regular or contracted features.

Batteries

6-month battery warranty – we guarantee that battery's nominal capacity does not fall below 70% of its total capacity within 6 months of the product's sale.

The Warranty does not cover defects resulting from (if applicable):

- User's fault, i.e. product damage caused by unqualified repair work, improper assembly, insufficient insertion of seat post into frame, insufficient tightening of pedals and cranks
- Improper maintenance
- Mechanical damages
- Regular use (e.g. wearing out of rubber and plastic parts, moving mechanisms, joints, wear of brake pads/blocks, chain, tires, cassette/multi wheel etc.)
- Unavoidable event, natural disaster
- Adjustments made by unqualified person
- Improper maintenance, improper placement, damages caused by low or high temperature, water, inappropriate pressure, shocks, intentional changes in design or construction etc.

Warranty Claim Procedure

The Buyer is obliged to check the Goods delivered by the Seller immediately after taking the responsibility for the Goods and its damages, i.e. immediately after its delivery. The Buyer must check the Goods so that he discovers all the defects that can be discovered by such check.

When making a Warranty Claim the Buyer is obliged, on request of the Seller, to prove the purchase and validity of the claim by the Invoice or Bill of Delivery that includes the product's serial number, or eventually by the documents without the serial number. If the Buyer does not prove the validity of the Warranty Claim by these documents, the Seller has the right to reject the Warranty Claim.

If the Buyer gives notice of a defect that is not covered by the Warranty (e.g. in the case that the Warranty Conditions were not fulfilled or in the case of reporting the defect by mistake etc.), the Seller is eligible to require a compensation for all the costs arising from the repair. The cost shall be calculated according to the valid price list of services and transport costs.

If the Seller finds out (by testing) that the product is not damaged, the Warranty Claim is not accepted. The Seller reserves the right to claim a compensation for costs arising from the false Warranty Claim.

In case the Buyer makes a claim about the Goods that is legally covered by the Warranty provided by the Seller, the Seller shall fix the reported defects by means of repair or by the exchange of the damaged part or product for a new one. Based on the agreement of the Buyer, the Seller has the right to exchange the defected Goods for a fully compatible Goods of the same or better technical characteristics. The Seller is entitled to choose the form of the Warranty Claim Procedures described in this paragraph.

The Seller shall settle the Warranty Claim within 30 days after the delivery of the defective Goods, unless a longer period has been agreed upon. The day when the repaired or exchanged Goods is handed over to the Buyer is considered to be the day of the Warranty Claim settlement. When the Seller is not able to settle the Warranty Claim within the agreed period due to the specific nature of the Goods defect, he and the Buyer shall make an agreement about an alternative solution. In case such agreement is not made, the Seller is obliged to provide the Buyer with a financial compensation in the form of a refund.

CZ
SEVEN SPORT s.r.o.

Registered Office: Strakonická 1151/2c, Praha 5, 150 00, ČR
Headquarters: Dělnická 957, Vítkov, 749 01
Warranty & Service: Čermenská 486, Vítkov 749 01

CRN: 26847264
VAT ID: CZ26847264
Phone: +420 556 300 970
E-mail: eshop@insportline.cz
reklamace@insportline.cz
servis@insportline.cz

Web: www.inSPORTline.cz

SK
Stores inSPORTline SK, s.r.o.

Headquarters, warranty & service center: Električná 6471,
Trenčín 911 01, SK

CRN: 46259317
VAT ID: SK2023299729
Phone: +421(0) 917 700 098
E-mail: objednavky@insportline.sk
reklamacie@insportline.sk
servis@insportline.sk

Web: www.inSPORTline.sk

About shipping

