

B-COCKPiT



Operating Manual

BC351 Model

Version: EN-20210901

Important Information Regarding Safe Operations:

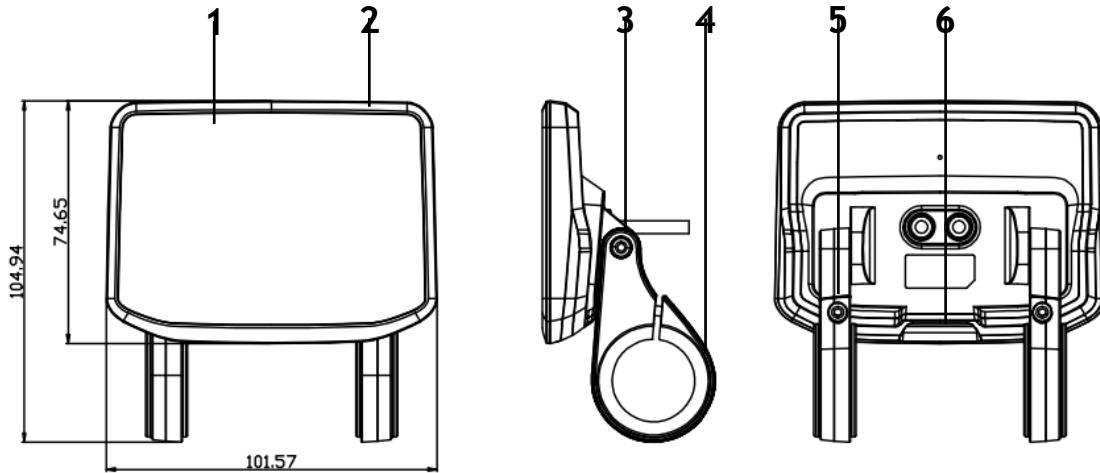
1. Turn OFF the main power of the E-bike before plug / unplug the HMI, or it may lead to permanent electrical damage to the HMI and the E-bike.
2. Do Not overtighten the bolts when installing the HMI to the E-bike, a torque of 0.2N.m is sufficient to secure the HMI to the handlebar, overtightening the bolts may cause damage to the HMI.
3. Do not immerse the unit in water or clean it with pressurized water. Clean the unit using a soft cloth dampened only with water. Do not use any detergents.
4. The USB port, when exposed, does not provide water protection. When riding in the rain, an external device must not be connected and the USB Cap must be completely closed and sealed.
5. Do not dispose HMI or any other e-bike components into house-hold wastes, follow your local regulations and dispose them in an environmental-friendly manner.
6. Damage / malfunction caused by improper installation or usage are not covered by after-sales service.

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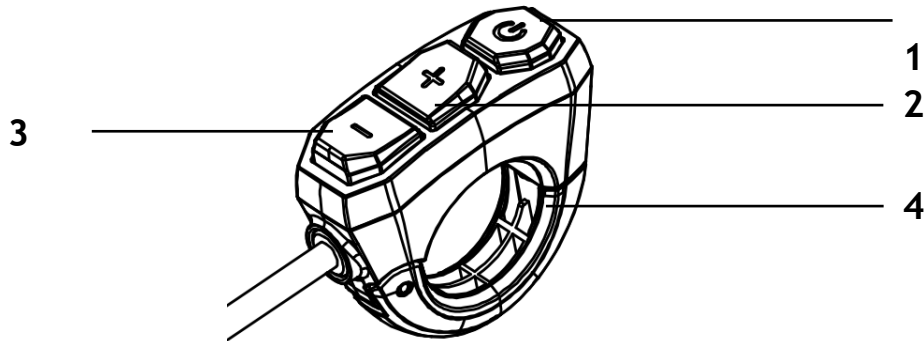
■ Product Description and Specifications

● Parts Description



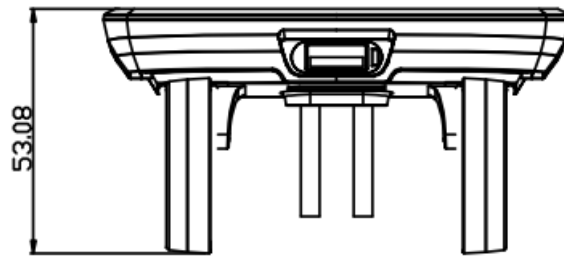
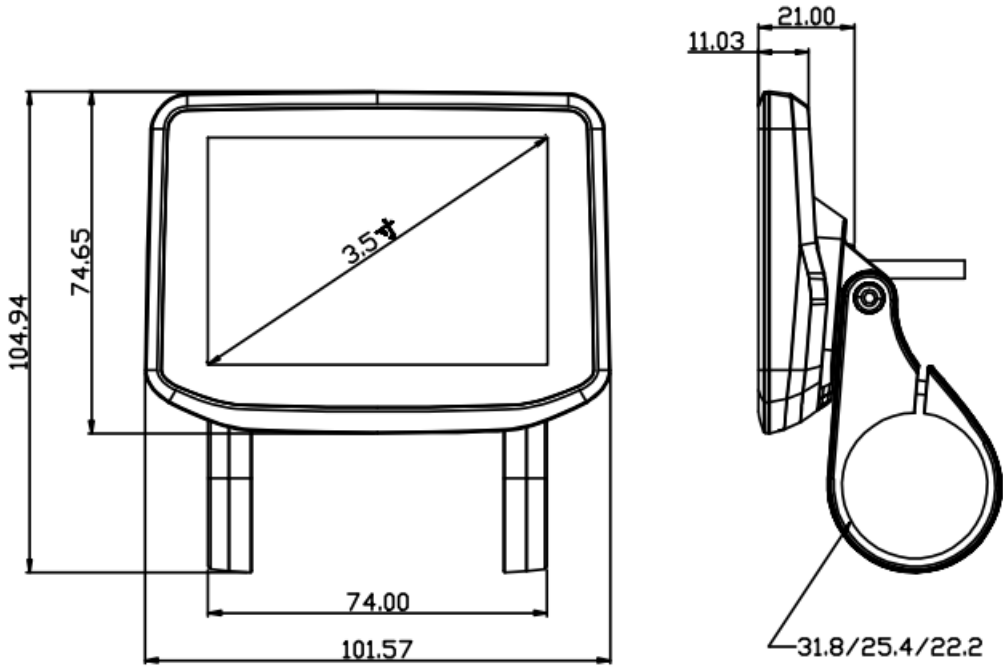
No	Description	Note
1	3.5 inch Screen	
2	Bottom shell	
3	M3*6 screws	2pcs
4	Bracket	Two side
5	Bracket's screws M3*12	2pcs
6	USB rubber	

● DTK3 Button

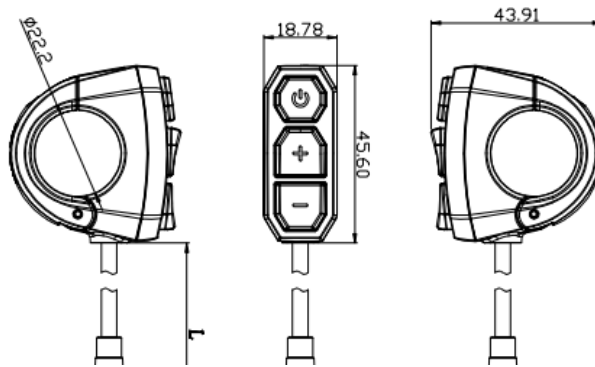


No	Description	Note
1	“Power” button	Long press power on
2	“+” button	Long press turn on light
3	“-” button	
4	DKT3 Button set lock ring	

● Dimensions and Features



Display Dimensions



DTK3 Dimensions

● Functional Data

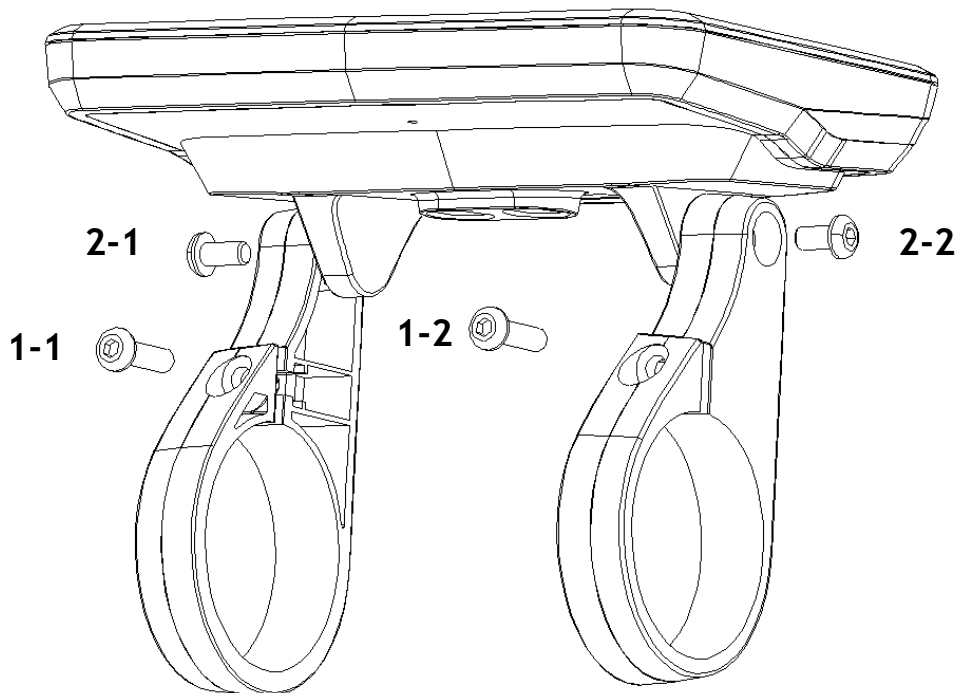
Parameters Name	Value	Note
Real Time Speed	0.0 ~ 99.9 km/h	
Real Time Power	0 ~ 999 W	
Battery Indicate	0 ~ 100 %	
Assist Level	0 ~ N	Customized
ODO	0 ~ 99999 km	
Trip	0 ~ 9999.9 km	Resettable
Max Speed	0 ~ 99.9 km/h	Resettable
Average Speed	0 ~ 99.9 km/h	Resettable
Riding Time	hh: mm	Resettable
Cal	0 ~ 99999 KCal	Resettable
Light	Support	
Error Code	Support	
Setting Menu	Support	
Auto Light	Support	
Auto Power Off	0 ~10 min	
Backlight Brightness	0 ~ 5, Auto	
Bluetooth	Optional	

● Technical Data

No	Parameters Name	Parameters description
1	Rated operating voltage	24V / 36V / 48V DC
2	USB port output	5V, 500mA
3	Operating temperature	-20°C ~ +70°C
4	Storage temperature	-30°C ~ +80°C

■ Installation

● Install the BC351 Unit



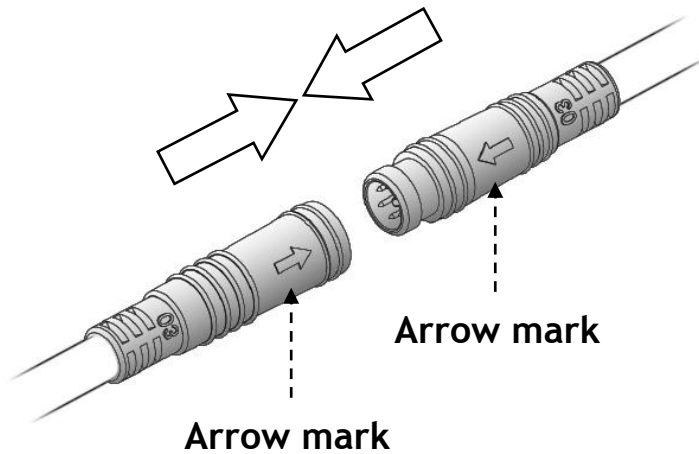
1. Use 2pcs M3 Hex Socket Screws 1-1 and 1-2 to secure the mounting bracket to the handle bar. **Tightening torque: 0.2N.m.** Do Not Overtighten or it may cause damage to the HMI
2. After adjusting the display to a proper angle, use two M3*6 Hex Socket Screws 2-1 and 2-2 to tighten it.
3. If you want to install it on a 22.2mm or 25.4mm handlebar, please use the attached adapter ring.

- Install the Button Unit



1. Use M3 Hex Socket Screw **3** to secure the mounting bracket to the left side of the handle bar. **Tightening torque: 0.2N.m.** Do Not Overtighten or it may cause damage to the button.

- Connect the cables



1. Securely connect the cables of B-COCKPiT with E-bike controller by aligning the 2 arrow marks.

■ System Operations

● Initial Operations

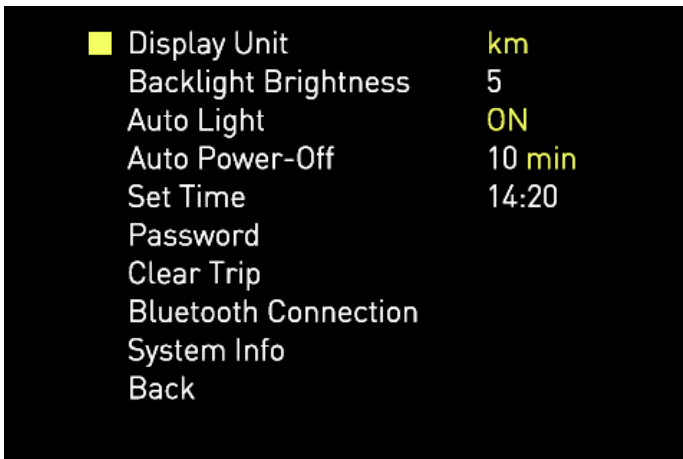
The main interface

1. Long press "Power" button to enter the main interface.



Connect to Bikewise Pro App

1. Simultaneously long press '+' and '-' to enter setting page.



2. Use '+' and '-' to navigate to the "Bluetooth Connection" line and press 'Power' button.
3. Scan the QR-Code displayed on the screen with Bikewise Pro App
4. Please scan Bikewise Pro App download QR-Code:



* Only suitable for BC351 Bluetooth version.

● DTK3 Button Functions

1. “+” button:

	Short Press	Long Press	Long Press & Hold
Meter Interface	Assist level Up	E-bike Lights On/Off	----
Menu Interface	Cursor Up / Increase	----	----

2. “-” button:

	Short Press	Long Press	Long Press & Hold
Meter Interface	Assist level Down	----	6km/h Start-up Mode
Menu Interface	Cursor Down / Decrease	Cancel and Go Back	----

3. “Power” button:

	Short Press	Long Press	Long Press & Hold
Meter Interface	Change Data Info	System On/Off	----
Menu Interface	Ok / Confirm	----	----

Remarks:

“+” and “-” button combination long press: Enter or exit the menu interface;

“+” and “power” button combination long press: Clear Trip data.

- Meter Interface

Riding interface: Use 'Power' button to switch riding data.

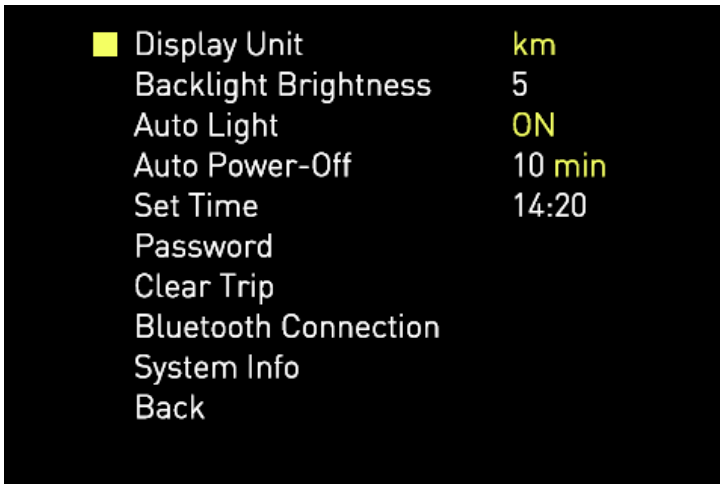


● Menu Interface

In the display interface, long press the "+" and "-" button to enter or exit the menu interface.

To ensure user safety, the menu interface can only be entered when the Ebike is stationary (speed is 0);

Use the "+" or "-" button to jump to the menu item, and use the "power" button to enter the selected menu item.



■ Other Interface

● Welcome interface



● Error code



Error-Code Table (example only, customer dependent)

Error-Code	Description
21	Current or Mos Error
22	Throttle Error
23	Motor Phase Error
24	Motor Hall Error
25	Brake Error
30	Communication Error

Error-Code	Description
02	Brake Error
06	Over Voltage Protection
07	Motor Phase Error
08	Throttle Error
09	Current Error
14	Motor Hall Error
30	Communication Error

■ Maintenance and Service

● Maintenance and Cleaning

Do not immerse the unit in water or clean it with pressurized water.

Clean the unit using a soft cloth dampened only with water. Do not use any detergents.

! The USB port, when exposed, does not provide waterproof protection. When riding in the rain, an external device must not be connected and the USB Cap must be completely closed and sealed.

● After-sales Service

Please contact support@riding-evolved.com for inquiries and after-sales services.

● Disposal



Follow your local regulations and dispose the B-COCKPiT unit in an environmental-friendly manner.

Do not dispose B-COCKPiT or any other e-bike components into house-hold wastes!