User's manual

SHIMANO



E-TUBE PROJECT for Mobile

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• E-B52	
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Battery not connected	
Power supply circuit failure	
Unsupported bicycle type connected	
Unsupported version connected	
	•••
Unable to shift gears	

IMPORTANT NOTICE

The following instructions must be observed at all times in order to prevent personal injury and physical damage to equipment and surroundings.

The instructions are classified according to the degree of danger or damage which may occur if the product is used incorrectly.

	DANGER	Failing to follow this instruction will cause death or serious injury.
	WARNING	Failing to follow this instruction may cause death or serious injury.
A	CAUTION	Failing to follow this instruction may cause injury or physical damage to equipment or the environment.

TO ENSURE SAFETY

WARNING

- After connecting, never connect or disconnect the battery or units until the procedure is finished and the application has been exited. Failure to follow these instructions may cause the units to malfunction.
- Never change the content or file name, etc. of a firmware file. Failure to follow these instructions may prevent the firmware update from being performed or cause the unit to malfunction after the firmware update is performed.

NOTICE

• Using this application increases smartphone battery consumption. Take note of the battery level during use.

ABOUT THIS MANUAL

This user's manual describes how to use E-TUBE PROJECT for Mobile.

Make sure to read the entire manual before starting use, so that you can make the most of the functions.

Supported operating systems

- Android: Ver.6.0 or later
- iOS: iOS11 or later

Supported Bluetooth[®] version

- Version 4.1 or later

About E-TUBE PROJECT for Mobile

E-TUBE PROJECT for Mobile is an application for the customization and maintenance of each unit. Its main functions are indicated below.

Function	Details	
UPDATE	The function for upgrading the firmware of each unit.	
CUSTOMIZE	The function for customizing the functions and operations of the entire system to meet the preferences of the user.	
MAINTENANCE	The function for checking the error log and adjusting the shifting unit.	
SETTING	The function for configuring the various settings related to the application.	
HELP	The function for viewing help related to the various functions.	

Starting E-TUBE PROJECT for Mobile for the first time

1. After installing E-TUBE PROJECT for Mobile, tap the E-TUBE PROJECT for Mobile icon (2).

The country/region selection screen is displayed.

Default provinces and countries/regions are displayed based on your smartphone's ID information.

2. Select the provinces and countries/regions you will use, and tap [OK].

The SHIMANO ID PORTAL login screen is displayed.



NOTICE

• If the region does not support SHIMANO IDs, the terms of use screen is displayed. Confirm the terms of use, select [Agree], and tap [Next]. Proceed to step 5.



3. Tap [LOGIN].

If you have not registered a SHIMANO ID, tap [NEW REGISTRATION]. The SHIMANO ID PORTAL screen is displayed.



NOTICE

• If you tapped [Skip] and did not log in, the terms of use screen is displayed. Confirm the terms of use, select [Agree], and tap [Next]. Proceed to step 5.



• Additional functions, etc. are not available even after tapping [For corporate users] and logging in.

4. Log in or register as a new user.

Follow the instructions on the SHIMANO ID PORTAL screen.

The bicycle registration screen is displayed when the login operation is complete.

5. Tap 🛨.

The wireless unit detection screen is displayed.

HL XXXX Get started	
Register bike or power meter	
• 💑 🔅	

6. Tap [Register] for the bicycle and wireless unit to connect to.

The passkey entry screen is displayed. If you have not logged in to SHIMANO ID, tap [OK].

~		
Searching units		
test		Register
	E	
	How to connect units	·
9/	đ	¢

7. Enter your passkey.

If the passkey is correct, the detected unit list screen is displayed.

8. Tap [REGISTER AS NEW BIKE].

The bicycle is registered and the Customize Top screen is displayed.

If you tap [Skip register], the Customize Top screen is displayed without registering the bicycle.



NOTICE

• If the detected unit is a power meter, an unregistered bicycle list is created and the unit is assigned to that list when you tap [New bicycle]. You can tap [Registered bicycle] if at least one bicycle is registered. Select the bicycle to assign. If you tap [Skip register], the power meter monitor screen is displayed without registering the power meter.

Starting E-TUBE PROJECT for Mobile

1. Tap the E-TUBE PROJECT for Mobile icon (E).

The bicycle registration screen is displayed. The registered bicycle is connected.

2. Tap the connected bicycle list.

The customization top screen is displayed.



NOTICE

- If there is an unregistered bicycle or power meter on the bicycle registration screen, tap the + icon to proceed to the registration process. Perform step 7 and onward in " Starting E-TUBE PROJECT for Mobile for the first time ".
- If you tap O on the bicycle registration screen, the profile registered in SHIMANO ID PORTAL is displayed.
- If you tap a bicycle list that is not connected on the bicycle registration screen, the bike settings screen is displayed. You can change the nickname, change the wireless unit, and delete registered units or bicycles.

Tabs and icons displayed on the screen

Functions and states are assigned to the tabs and icons displayed on the top of the screen.

	(2	2)	
1)	- (Connected	
(3)	UPDATE	CUSTOMIZE	MAINTENANCE
	Bike-1		
	Shift		
	Synchronized shift	S1: S S2: S	52 - 36 12 - 28 ynchronized shift ynchronized shift
	Multi shift	Gear-shifting i Gear num!	ON nterval: Very Fast per limit: No limit
	Switch		
	Shifting lever Left ST-R9170-L		D-FLY Ch. 3 Front shift up Front shift down
	Shifting lever Right ST-R9150-R		D-FLY Ch. 4 Rear Shift Down Rear shift up
	Wireless unit	DISCONNECT	
	•	53	¢
	(4)	(5)	(6)

- (1) Tap to return to the previous screen.
- (2) Displays the connection state with the bicycle.
- (3) Tap the tabs to switch the function category.You can also swipe left or right to switch.

(4) Tap to display the help screen related to the information on the screen. If there is no corresponding help screen, the help top screen is displayed.

← Auto shift	Help
SHIMANO STEPS with a DI2 internal geared hub can automatically shift the shifting unit according to the traveling conditions.	Operation
Shift timing:	How to connect bike
Changes the cadence standard for automatic gear shifting. Increase the set value for fast pedaling with a light load. Decrease the set value for slow pedaling with a moderate load.	Customize
Start mode:	Synchronized shift >
This function automatically shifts down the gear after stopping at a traffic light, etc., so that you can start from a preset lower gear. This function can be used for automatic or manual gear shifting	Multi shift
Shifting advice:	Auto shift >
This function notifies the appropriate shift timing through the cycle computer in manual shifting. The timing when the notification is displayed	Assist >
varies depending on the set value for the shift timing.	Drive unit
	Maintenance
¢ 🕷 🗘	• / 🕷 🗘

(Example) Help screen

Help top screen

- (5) Tap to display the bicycle registration screen. If there is a red circle on the icon, the bicycle includes a unit that requires a firmware update. If you tapped on a help or settings screen displayed from the Update/Customize/Maintenance screen, the previous screen is displayed.
- (6) Tap to display the settings screen related to the application.

About power meters

You can monitor the state of a connected power meter, update its firmware in the same way as a bicycle, or customize its functions.

1. On the bicycle registration screen, tap a registered power meter.

The power meter monitor screen is displayed. Tap the [MONITOR] tab to display it from another category.



(1) Tap to display the settings screen related to the power meter. You can change or disconnect the assigned bicycle.



- (2) Tap the tabs to switch the function category. You can also swipe left or right to switch.
- (3) Displays the battery level.
- (4) Starts the zero offset setting.

About power meters

Updating the firmware

A red icon is displayed on the image for a power meter that requires an update.

1. Tap the [UPDATE] tab on the monitor screen of the power meter.

The power meter update screen is displayed.



2. Tap the panel for the power meter to update.

The check box for the panel of the selected power meter is selected.



3. Tap [UPDATE].

The update starts.

Customizing functions

You can configure settings such as the wireless communication method and passkey.

1. Tap the [CUSTOMIZE] tab on the monitor screen of the power meter.

The power meter Customize screen is displayed.

← 🛛 🕑 Conne	cted	
UPDATE CUSTON		MONITOR
Power meter		
POWER	CA	DENCE
0		•
U		U
watt		rpm
Zero offset ca	alibration	
DISCONN	IECT	
		¢ 000

2. Configure the various settings.

← 🥑 Connected …
UPDATE CUSTOMIZE MONITOR
Powermeter
Name
FCR9100P
8 characters maximum
Wireless communication
Bluetooth® LE
Passkey
APPLY
DISCONNECT
• 5

Change name

You can change the registered name of the power meter.

Wireless communication method

Select [ANT/Bluetooth[®] LE mode], [ANT mode], or [Bluetooth[®] LE mode] as the power meter communication method.

Change passkey

Change the passkey. Tap [Change] and enter a 6-digit number that starts with a number other than 0.

3. Tap [APPLY].

The settings are applied to the power meter.

Update

You can update the firmware of each unit. Tap the [UPDATE] tab to display the update screen.



Updating the firmware

Select the unit to update, and start the firmware update.

NOTICE

- During a firmware update, you cannot perform operations other than canceling the update.
- Wireless updates use 2.4 GHz frequency digital communication technology. Interference in the following types of locations or environments could cause the update to not finish properly. Avoid updating in the following types of environments:
- Near a device such as a television, computer, radio, or motor, or inside an automobile or railway car
- Near a railway crossing or railway track, television transmitting station, or radar base, etc.
- When using the product in combination with another cordless device or some lights
- If the wireless update fails due to a problem with wireless communication, it is necessary to perform the firmware recovery procedure using the SM-PCE02, etc.
 Refer to the user's manual for E-TUBE PROJECT for Windows V4 for details on the recovery procedure. If recovery is successful, proceed to try updating to the latest version.

1. Tap the panel for the unit to update on the update screen.

The check box for the panel of the selected unit is selected.



NOTICE

• Tap [UPDATE ALL] to display the confirmation screen. Tap [UPDATE] to start all required unit updates.



• Tap [DISCONNECT] to disconnect the bicycle.

2. Tap [UPDATE].

The confirmation screen will be displayed. Tap [UPDATE] again to begin updating.



Restoring the firmware

If there was an error when updating the firmware, the firmware will need to be restored.

For the system information display or wireless unit

The screen in step 1 is displayed if the update fails.

1. Tap 🛞.



2. Tap [OK] on the following screen displayed when you connect to the bicycle.

If recovery is successful, the regular screen after connection is complete is displayed.



NOTICE

- If recovery fails, the firmware update failure screen is displayed. Try the firmware recovery procedure again.
- If the recovery procedure fails repeatedly, try the firmware update recovery procedure again at a different time and location.
- If you encounter an error several times when trying to restore the firmware, please try again at a different time and location.

Refer to the user's manual for E-TUBE PROJECT for Windows V4 for details on the recovery procedure. If recovery is successful, connect the wireless unit to the bicycle, and try updating E-TUBE PROJECT for Mobile to the latest version again.

For power meter

If the restoration process fails

If either of the screens in step 1 is displayed, perform the restoration process.

1. Tap [OK] or [Confirm].

Follow the instructions on the screen to restore the firmware.



2. If it returns to the same screen as above when you try to restore, disconnect the Bluetooth[®] connection once and re-connect it, then follow the instructions on the screen to restore the firmware.

If you encounter an error several times when you try to restore the firmware, please consult with your local dealer or distributor.

▶ If an error is displayed

If either of the screens in step 1 is displayed, perform the restoration process.

1. Tap [OK] or 🛞



2. Follow the instructions on the screen to restore the firmware after reconnecting Bluetooth[®].

If you encounter an error several times when you try to restore the firmware, please consult with your local dealer or distributor.

If you cannot reconnect Bluetooth[®]

If you cannot reconnect Bluetooth[®] after updating the power meter's firmware, press the button on the control unit for 15 seconds to reset the hardware.

After resetting the hardware, the power meter is automatically connected via Bluetooth[®]. If the model name is not displayed on E-TUBE PROJECT for Mobile's Bluetooth[®] connection list screen for more than 5 seconds, press the button on the control unit to connect via Bluetooth[®] since it may not have been connected automatically. If you cannot connect even after resetting the hardware, please consult with your local dealer.

NOTICE

- If you connect with other Bluetooth[®] devices, the firmware update sometimes fails. Please cancel any connections with other Bluetooth[®] devices, and then try updating again with only the power meter connected.
- When you update the firmware while connected with E-TUBE PROJECT for Mobile over Bluetooth[®] after changing the Passkey, the first connection sometimes fails. Please confirm that the firmware update is finished after reconnecting with E-TUBE PROJECT again.

```
CUSTOMIZE
Customize screen
```

CUSTOMIZE

You can configure detailed settings for each unit. Tap the [CUSTOMIZE] tab to display the customize screen.

← 🥑 Connected …
Bike-1
Shift
Synchronized shift S2 - 36 12 - 28 S11 Synchronized shift S2: Synchronized shift
Multi shift ON Gear-shifting interval: Very Fast Gear number limit: No limit
Switch
Shifting lever Left ST-R9170-L Front shift up Front shift down
Shifting lever Right ST-R9150-R Rear shift Down Rear shift up
DISCONNECT Wireless unit Nationa
• 🛷 🌣

Customize screen

A list of the settings for the currently connected unit is displayed on the customization top screen. Select a displayed function to display its settings screen. The displayed content and the settings that can be customized differ according to the connected units and combination of units.



(1) Tap to restore the settings of the unit being configured to the default values. The changes are not written to the bicycle until the settings are complete.

NOTICE

• Tap ... on the customize top screen to display the settings screen of the registered bicycle. The settings are only displayed if you log in with a SHIMANO ID.



- (1) Tap to edit the registered name for the bicycle.
- (2) Tap to display the wireless unit change screen. Tap [Register] for the wireless unit to connect to.
- (3) Tap to display the unit delete screen. Tap to select the unit to delete and tap [Delete].
- (4) Tap to delete the registered bicycle that is connected.

Shift mode

You can customize the movement of the shifting unit, etc.

NOTICE

To set synchronized shift, all the conditions indicated below must be met.
 If it cannot be set despite all the conditions being met, update the firmware for all units to the latest version.

For MTB

1	An 11-speed electronic gear shifting rear derailleur is used.
2	An 11-speed electronic gear shifting front derailleur is used.

For ROAD

1	An 11-speed electronic gear shifting rear derailleur is used.
2	An 11-speed electronic gear shifting front derailleur is used.
3	One of the SC- M****, EW- RS910, SM- EW90A, or SM- EW90B is used as the junction.
4	Either BM-DN100 or BT-DN110 is used.

To set multi shift, both the conditions indicated below in (1) and (2) must be met.
 If it cannot be set despite both the conditions being met, update the firmware for all units to the latest version.

1	For E-BIKE	A drive unit other than DU-E60*0 or DU- E6001 is used.
	For other than E-BIKE	EW-EX020 is not used.
2	An electronic gear shifting rear derailleur (external shifting unit) is used.	

Synchronized shift

Synchronized shift is a function that automatically shifts gears on the front derailleur in synchronization with rear derailleur gear shifting.

1. Tap the function to configure on the Customize Top screen.

The number of teeth selection screen is displayed.

If the same settings file exists for the connected bicycle, the shift mode selection screen is displayed.



C	USTO	MIZE
	Shift	mode

2. Select the number of teeth for the chainring and number of teeth for the cassette sprocket, and tap [OK (<FC number of teeth> | <CS number of teeth>)].

Cancel	Synchronized shift	~
50 - 34		0
Casette		
11 - 25		0
11 - 28		Ø
11 - 30		•
12 - 25		ø
12 - 28		S
14 - 28		0
	OK (52 - 36 12 - 28)	
•	ā78 .	0

The shift mode selection screen is displayed. Both the S1 and S2 settings files for the connected bicycle are currently displayed in the center of the screen.

3. Tap the 📑 area to create a new file.

Swipe the screen to display a screen with +. To edit an existing file, tap the file and proceed to step 6.



NOTICE

- On the shift mode selection screen, you can save up to 6 settings files for each combination of teeth numbers. You can swipe left or right to display other files.
- If 6 files already exist, delete a file before saving a new file.

4. Configure the various settings.

Cancel Synchronized shift	の
Synchronized shift interval	
Normal	ø
Slow	0
Very Slow	0
SYNCHRONIZED SHIFT	
SEMI-SYNCHRONIZED SHIFT	
ছ <i>উ</i> ন্ট	¢

Synchronized shift interval setting

Select Standard/Slow/Very Slow.

Gear position control setting

Select whether to control the gear position.

NOTICE

• The gear position control setting may not be able to be set, depending on the combination of unit configuration and number of teeth.

CUSTOMIZE		
Shift mode		

5. Tap [Synchronized shift] or [Semi-synchronized shift].

The synchronized shift setting screen is displayed. [Semi-synchronized shift] may not be available, depending on the unit configuration.

Cancel	Synchronized shift	の
Synchronized shi	ft interval	
Normal		0
Slow		•
Very Slow		0
		•
	SYNCHRONIZED SHIFT	
si	EMI-SYNCHRONIZED SHIFT	
•	đđ	¢

6. Configure the detailed synchronized shift settings.

Detailed synchronized shift settings

- (1) Tap [Up]/[Down] to switch the shift up/shift down settings.
- (2) You can tap and move the top and bottom part of the colored box to change the synchronized shift map.

If the chainring is 3-speed, tap the arrow part of the number of teeth (%) and move the colored box while switching the setting range.

÷	XXXX			の		
(1)	Up		$\stackrel{\scriptscriptstyle \rightarrow}{\leftarrow} \left(\right.$	Down		
		⇒		$\overline{}$		
	0.55					1
	0.63	1	0.86			
	0.71	V	0.97			
	0.81	1	1.11	A		
	0.92	/	1.25			
			1.43			
						J
•		đ	1		¢	40.0
NOTICE

- The gear ratio at each gear position are written in the synchronized shift map, and the gear position where the synchronized shift is performed is enclosed in a colored box. Green indicates a shift up, and blue indicates a shift down.
- The movable range is determined based on the following rules, to enable comfortable synchronized shifting. The shifting point (area enclosed in a colored box) for the front derailleur on the synchronized shift map is called the synchronization point.
 - (1) Synchronization shifting up

Synchronization point RD gear position \geq synchronization destination RD gear position

Up to the first gear ratio smaller than the synchronization source can be selected for the synchronization destination gear ratio

(2) Synchronization shifting down

Synchronization point RD gear position \leq synchronization destination RD gear position

Up to the first gear ratio larger than the synchronization source can be selected for the synchronization destination gear ratio

If the chainring is 2-speed, tap [Animation] to switch the setting screen. Use [UP]/[DOWN] to switch the shift up/shift down settings, and change the gear position where synchronized shift is performed with .



• Tap ••• to display the edit screen. You can tap [Name] to change the file name. You can

ap the recycle b	oin icon to delete file	S.	
← Edit	Ō		
Name	X.X.20XX		
Synchronized shift interval			
Normal	•		
Slow	0		
Very Slow	ø		
₹	¢		

Detailed semi-synchronized shift settings

Semi-Synchronized Shift is a function that automatically shifts the rear derailleur when the front derailleur is shifted in order to obtain optimal gear transition. At this time, it is possible to select among rear derailleur gear positions 0 - 4. (Some gear positions cannot be selected depending on gear combination.)

(1) Select the gear position for rear up with front down and rear down with front up.



NOTICE

• Tap ••• to display the edit screen.

You can tap [Name] to change the file name. You can tap the recycle bin icon to delete files.

~	Edit	Ō
Name		X.X.20XX
Synchronized shift	interval	
Normal		Ø
Slow		
Very Slow		
		•
•	₽	Ö

7. Tap ←

The shift mode selection screen is displayed.

8. Tap [APPLY].

The settings are applied to the unit.

Multi shift

You can configure settings related to multi shift.

Multi shift is a function for continuously shifting multiple gears of the rear derailleur by holding down the shifting switch. (Multi shift is not available for the front derailleur. When synchronized shift is set, the front derailleur may also shift gears when multi shift is used for the rear derailleur.)

* In order to set multi shift, it is necessary to connect the battery unit or battery holder unit, in addition to the motor unit or shifting unit.

C	USTOMIZE	
	Shift mode	

1. Tap the function to configure on the Customize Top screen.

The multi shift tutorial screen is displayed when you display the multi shift mode setting screen the first time after installing the application and when one week or more has elapsed after the last time the multi shift mode setting screen was displayed.

← 🕑 Connected …	← Edit Ō
UPDATE <u>CUSTOMIZE</u> MAINTENANCE Bike-1	Name X.X.20XX
Synchronized shift St. Synchronized shift S2: Synchronized shift	Synchronized shift interval
Multi shift ON Gear-shifting interval: Very Fast	Slow
Gear number limit: No limit	Very Slow
Shifting lever D-FLY Ch. 3 Loft Front shift up ST-R9170-L Front shift down	
Shifting lever Right ST.R9150-R Rear shift Down Rear shift up	Gear position control
DISCONNECT Wireless unit Suffrage	
	• 💀 🔅

Tutorial screen

2. Configure the various settings.



Multi shift mode setting

You can select whether or not to use multi shift. If you are using a 2-level gear switch, you can select this for both the 1st level and 2nd level.

Gear-shifting interval

Select the gear-shifting interval for multi shift from one of the five levels.

Gear number limit

You can limit the number of gears shifted by pressing and holding the shift lever.

NOTICE

• Fully understand the features of the gear-shifting interval, then set the gear-shifting interval according to the riding conditions, such as the terrain and the riding style of the rider.

Fast setting• Quick multi-shifting is possible• A high cadence is required when gear shiftingFast setting• The rider can quickly adjust the cadence or traveling speed in response to changes in the riding conditions• Unintended over-shifting occurs easilySlow setting• Gear shifting can be performed reliably• Gear shifting takes some time	Gear-shifting interval	Benefits	Drawbacks	
in the riding conditionsSlow setting• Gear shifting can be performed reliably• Gear shifting takes some time	Fast setting	 Quick multi-shifting is possible The rider can quickly adjust the cadence or traveling speed in response to changes 	 A high cadence is required when gear shifting Unintended over-shifting occurs easily 	
Slow setting • Gear shifting can be performed reliably • Gear shifting takes some time		in the riding conditions		
	Slow setting	 Gear shifting can be performed reliably 	 Gear shifting takes some time 	

3. Tap [APPLY].

The settings are applied to the unit.

Auto shift

You can configure settings related to auto shift.

```
CUSTOMIZE
Shift mode
```

1. Tap the function to configure on the Customize Top screen.



2. Configure the various settings.



Gear shifting mode after the app is disconnected Determine whether auto shift is ON or OFF. Shift timing Select the gear shifting timing. Start mode With Start mode ON, auto shift will shift into a desired gear when you come to a stop. Shifting advice Gear shifting advice can be switched ON/OFF.

3. Tap [APPLY].

The settings are applied to the unit.

Motor unit settings

Set the motor unit gear setting after checking the shifting unit to install.

* Please check the dealer's manual for the model numbers of compatible internal geared hubs.

Motor unit gear setting

1. Tap the function to configure on the Customize Top screen.



CUSTOMIZE	
▶ E-BIKE	

2. Select the number of gears in the internal geared hub that the motor unit was installed to.



3. Tap [APPLY].

The settings are applied to the unit.

E-BIKE

You can customize the unit settings related to E-BIKE.

CUSTOMIZE	
▶ E-BIKE	

Assist settings

You can configure the various settings related to the assist function of E-BIKE. For details on the assist settings, see the help.

1. Tap the function to configure on the Customize Top screen.



2. Configure the various settings.

Riding characteristic

(1) Select the type of riding characteristic.

(2) The BOOST, TRAIL, and ECO setting can only be changed when [CUSTOMIZE] has been selected in (1).



Assist pattern

(1) Select the type of assist pattern.



Selecting/creating an assist profile (Assist characteristics/Max torque/Assist start)

(1) Select profile 1 or profile 2.

After exiting the application, assist is performed with the profile selected here.

CUSTOMIZE	
▶ E-BIKE	

- (2) Select the mode.
- (3) Select the various setting values.

The range that can be selected differs for each setting value.



NOTICE

- The white circle on the slider indicates the initial value.
- The setting values of other modes are displayed on the top of the scale (ECO in light blue, TRAIL in green, and BOOST in yellow).

3. Tap [APPLY].

The settings are applied to the unit.

Drive unit settings

You can configure the settings related to the drive unit.

1. Tap the unit to configure on the Customize Top screen.



2. Configure the various settings.



Maximum assist speed

Select the maximum assist speed.

Display speed

If the display is off from what is shown on another speed display, the speed display value can be adjusted.

3. Tap [APPLY].

The settings are applied to the unit.

Switch

Configure the settings related to the connected switch.

Function assignment

Assign functions to the buttons on the left and right switches.

1. Tap the function to configure on the Customize Top screen.



Both the left and right switches are selected.

2. Select the function to assign to each button from the pull-down menu.



■ Functions displayed in the pull-down menu

Only available functions are displayed on the menu.

Function	Explanation	
[Rear shift up] [Front shift up]	The gears shift from a light gear to a heavy gear.	
[Rear shift down] [Front shift down]	The gears shift from a heavy gear to a light gear.	
[D-FLY Ch. 1]	Assign Ch. 1.	
[D-FLY Ch. 2]	Assign Ch. 2.	
[D-FLY Ch. 3]	Assign Ch. 3.	
[D-FLY Ch. 4]	Assign Ch. 4.	
[Assist up]	Raise the level of assistance in the assist mode.	
[Assist down]	Lower the level of assistance in the assist mode.	
[Display]	Switches the screens of the display monitor.	
[Display/light]	Switches the screens of the display monitor. *Holding down the switch turns the light on or off.	

NOTICE

• When using a sprinter switch, you can assign functions by selecting them on the screen displayed by tapping [Optional switch].



• When using a switch supporting 2-level gear shifting, you can select [Use 2nd gear] in the pull-down menu to select whether to use the second gear.



• When the opposite settings are available, you can select [Assign the opposite function to XX] in the pull-down menu to assign the opposite functions on the other switch.



• For switches with a suspension setting (SW-M8050-L/SW-M9050-L), you can tap [Set to position setting] and select [Firmer] or [Softer] from the pull-down menu. To restore the gear setting, tap [Set to gear shifting].



• For a suspension switch, set the arrow mark (CTD) displayed on the display and configure the front/rear setting ([CLIMB (FIRM)], [TRAIL (MEDIUM)], or [DESCEND (OPEN)]) for each switch position, and tap [OK]. The settings are applied to the unit.

	Switch	Q ¢
Position 3 M -		
Position 3		
CTD		M
Front		DESCEND(OPEN)
Rear		DESCEND(OPEN)
Position 2		
CTD		Position 3
Front		Position 2 DESCEND(OPEN)
Rear		DESCEND(OPEN)
Position 1		
CTD		\square
Front		CLIMB(FIRM)
Rear		CLIMB(FIRM)
	ок	
	Cancel	
	Ā	~

3. Tap [APPLY].

The settings are applied to the unit.

Checking via a search

You can check which switches are set.

1. Tap the function to configure on the Customize Top screen.

Both the left and right switches are selected.

2. Tap the search button.

The search dialog is displayed.

÷	1.00	Switch	Q	う
Left				
	D-FLY Ch. 3		-0-1	
	Front shift up			
	Front shift down		CT 00170 1	
Right	:		31-R9170-L	
	\sim		D-FLY Ch. 4	
			Rear Shift Down ×	
	ST. P0150.P		Rear shift up _y	
	51-K7150-K			
	Op			
	•	<u>م</u> بو	¢	4.0.0

3. Operate the switch of the unit to select until the countdown of the search dialog is over.

Press and hold the switch until the unit is recognized. Tap [Cancel] to cancel searching.



CUSTOMIZE		
Display		

4. The unit that you operated the switch for is highlighted.



Display

Configure the display settings.

Cycle computer settings

Configure the settings related to the display of the cycle computer, etc.

1. Tap the function to configure on the Customize Top screen.



2. Configure the various settings.



Display units

You can select either [International units] (km/h) or [Yard & pound method] (mph) as the display format.

Display switch

Select whether to display [Traveling time], [Average speed], [Maximum speed], [Range overview], and [Cadence]. Select the items to display.

Automatic time setting

Select ON/OFF for automatic time setting. If you select ON, the time of the cycle computer is automatically set to the time in the connected PC when E-TUBE PROJECT for Mobile is connected.

Manual time setting

This can only be set when OFF is set for automatic time setting. Enter the hour, minute, and second.

Beep setting

Select ON/OFF for the beep.

Backlight setting

Select [ON], [OFF], or [Manual] for the backlight.

Backlight brightness setting

Adjust the brightness of the backlight.

Font color

Set white or black as the font color.

Display language

Select the display language.

Display time

Set the time until the display turns OFF when the display monitor is left unattended.

Change name

You can change the registered name of the cycle computer.

Wireless communication method

Select [ANT/Bluetooth[®] LE mode], [ANT mode], or [Bluetooth[®] LE mode] to match the communication method for the cycle computer from another manufacturer. You can connect to E-TUBE PROJECT for Mobile regardless of the communication method that is selected. You can also select [OFF].

Change passkey

Change the passkey. Tap [Change] and enter a 6-digit number that starts with a number other than 0.

3. Tap [APPLY].

The settings are applied to the unit.

Other settings

Configure the other unit settings.

Wireless unit settings

You can configure settings related to the wireless unit.

1. Tap the function to configure on the Customize Top screen.



2. Configure the various settings.



Change name

You can change the registered name of the wireless unit.

Wireless communication method

Select [ANT/Bluetooth[®] LE mode], [ANT mode], or [Bluetooth[®] LE mode] as the wireless unit communication method. You can connect to E-TUBE PROJECT for Mobile regardless of the communication method that is selected.

Change passkey

Change the passkey. Tap [Change] and enter a 6-digit number that starts with a number other than 0.

3. Tap [APPLY].

The settings are applied to the unit.

Maintenance

You can check the error log and adjust the shifting unit. Tap the [MAINTENANCE] tab to display the maintenance screen.

	Connected	
UPDATE	CUSTOMIZE	MAINTENANCE
Bike-1		
Battery		Fritzen
Derailleur adjustmen		
Front		0
Rear		0
		Ny and
	DISCONNECT	
•	576	\$

Adjustment of the shifting unit

You can adjust the shifting unit.

```
Maintenance
Adjustment of the shifting unit
```

Adjustment of the rear derailleur

You can adjust the gear shifting of the rear derailleur. It is necessary to turn the crank when performing adjustment.

1. Tap the current rear setting area on the maintenance screen.

A cautionary dialog box is displayed.

	Connected	
UPDATE	CUSTOMIZE	MAINTENANCE
Bike-1		
Battery		1 proving
Derailleur adjustme		
Front		0
Rear		0
		N TOCO
	DISCONNECT	
Ŷ	5	0

2. Confirm the displayed information, and tap [OK].



NOTICE

- If the battery charge is low, a confirmation screen is displayed and you cannot perform adjustment.
- Select [Do not show this next time] to hide the cautionary dialog box from the next startup.

3. Tap [Start].



4. Keep rotating the crank arm until the countdown reaches zero.



5. Tap () to adjust the position of the guide pulley.

Tap to move the guide pulley inwards (in the minus direction). Tap to move the guide pulley outwards (in the plus direction). Be sure to perform adjustment while turning the crank.



NOTICE Tap () to check the details of the adjustment method. Tap () below to shift the gear. Tap () to) shift to a higher gear.

6. Tap [Finish].

Adjustment is complete.

Adjustment of the front derailleur

You can adjust the gear shifting of the front derailleur. It is necessary to turn the crank when performing adjustment.

1. Tap the current front setting area on the maintenance screen.

A cautionary dialog box is displayed.

	Connected	
UPDATE	CUSTOMIZE	MAINTENANCE
Bike-1		
Battery		provide and
Derailleur adjustmer		
Front		0
Poor		0
		0
	DISCONNECT	
•	Ā	0

2. Confirm the displayed information, and tap [OK].



NOTICE

- If the battery charge is low, a confirmation screen is displayed and you cannot perform adjustment.
- Select [Do not show this next time] to hide the cautionary dialog box from the next startup.

3. You can adjust the top position of the front derailleur.

Tap 💽 to check the details of the adjustment method.

4. Tap [Start].



5. Tap [Start].



6. Keep rotating the crank arm until the countdown reaches zero.



7. Tap \bigcirc / \bigcirc to perform adjustment according to the guidance.

Tap 💽 to move the chain guide inwards (in the minus direction).

Tap **()** to move the chain guide outwards (in the plus direction).



8. Tap [Next].

If any unadjusted gears remain, perform steps 5 - 7. Tap [Finish] when adjustment is complete for all the gears.

Motor unit adjustment

Performs gear shifting adjustment via the motor unit. It is not necessary to turn the crank when performing adjustment.

1. Tap the current motor unit setting area on the maintenance screen.



NOTICE

- If the battery charge is low, a confirmation screen is displayed and you cannot perform adjustment.
- 2. Check that the adjustment value is set to 0 (default).

(1)	Value is set to 0	Proceed to step 3.
(2)	Value is set to other than 0	Adjust the value to 0 and shift gears to check whether abnormal noise or unusual feeling has been eliminated. Proceed to step 3 if the symptom is not improved, or step 4 if not.



3. Change the adjustment value by one in the + or - direction, and check the sound or feel of gear shifting.

The setting can be adjusted 4 levels in the + direction and 4 levels in the - direction.

(1)	The condition has improved	Check the sound or feel of gear shifting again while changing the adjustment value one by one in the same direction. Continue adjusting the value until the abnormal noise or unusual feeling has been eliminated.
(2)	No sign of improvement	Change the adjustment value by one again in the same direction, then check the sound or feel of gear shifting again. Check (1) in this table if the symptom is improved, or (3) if not.
(3)	The condition has worsened	Change the adjustment value by two in the opposite direction, then check the sound or feel of gear shifting again. Continue adjusting the value by one in the same direction until the abnormal noise or unusual feeling has been eliminated.



4. Tap [Complete].

Adjustment is complete.

Error log

You can check the error log related to E-BIKE. Depending on the drive unit, there may not be an error log option displayed on the maintenance screen, and you may be unable to check the error log.
1. Tap [Error log] on the maintenance screen.

The error log screen is displayed.

For information on the error codes, see https://si.shimano.com/iER/STP0A.

←	Connected	
	CUSTOMIZE	MAINTENANCE
Bike-1		
Battery		
Adjustment		
Motor unit		+1
E-BIKE		
Error log		>
	DISCONNECT	
•	Ā	0

SETTING

You can configure the various settings related to E-TUBE PROJECT for Mobile. Tap 🔯 to display the setting top screen.

Setting	
Account	
SHIMANO ID PORTAL	2
Setting	
Auto bike connection	
Language	>
Link	
E-TUBE PROJECT website	C
E-TUBE RIDE	C
Other	
Terms of use	>
E-TUBE PROJECT Ver.4.0.0 Powered by SHIMANO	
¢ & ?	4.0.0

NOTICE

- Tap a link on the bottom to display the corresponding website.
- When using the Android version, you can tap [Powered by SHIMANO] to check the license view screen.

Logging in to SHIMANO ID PORTAL

You can log in to SHIMANO ID PORTAL. This function cannot be used in regions that do not support SHIMANO IDs.

1. Tap [Sign up/Login] on the setting menu screen.

The SHIMANO ID PORTAL screen is displayed.

Setting	
Assount	
Account	
Sign up/Login	>
Setting	
Language	>
Link	
E-TUBE PROJECT website	Ľ
E-TUBE RIDE	Ľ
Other	
Terms of use	
576	¢

2. Log in or register as a new user.

Follow the instructions on the SHIMANO ID PORTAL screen. When login is complete, the application returns to the setting top screen.

NOTICE

• When logging in to SHIMANO ID PORTAL, you can tap [SHIMANO ID PORTAL] on the setting menu screen to display the SHIMANO ID PORTAL website.

Auto bike connection setting

You can set whether to automatically connect with the bicycle when the application starts.

1. Tap [Auto bike connection] on the setting top screen.

It switches between ON and OFF.

	Setting	
Account		
SHIMAN	O ID PORTAL	Ľ
Setting		
Auto bike	e connection	•
Languag	e	>
Link		
E-TUBE F	PROJECT website	Ľ
E-TUBE F	RIDE	C
Other		
•	576	¢

Language setting

Sets the screen display language.

1. Click [Language] on the settings top screen.

The language setting screen is displayed.

Setting	
Account	
SHIMANO ID PORTAL	Ľ
Setting	
Auto bike connection	
Language	
Link	
E-TUBE PROJECT website	
E-TUBE RIDE	
Other	
• 54	¢

2. Select the language.

÷	Language	
English		 Image: A start of the start of
French		•
German		•
Dutch		•
Spanish		ø
Italian		•
Chinese		•
Japanese		•
		Gog
•	Ā	¢

3. Tap [Change].

The display language setting is changed. The language is switched the next time you start the application after exiting the application.

Checking the terms of use

You can check the terms of use for E-TUBE PROJECT for Mobile.

1. Click [Terms of use] on the settings top screen.

[Terms of use] is not displayed if you log in with a SHIMANO ID.

Setting	
Account	
Sign up/Login	>
Setting	
Language	>
Link	
E-TUBE PROJECT website	2
E-TUBE RIDE	
Other	
Terms of use	→ →
• 5% (Þ

2. Tap [Terms of use].

The terms of use are displayed.



ERROR/WARNING CODE

E010

Indication conditions

An abnormality was detected in the drive unit.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Refer to the SHIMANO STEPS user's manual and perform the following.

Turn the power OFF and then ON again.

If the error persists, stop using it and contact your place of purchase or a distributor for assistance.

E01000 - E01004

Indication conditions

A Sensor abnormality was detected in the drive unit.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Contact your place of purchase or a distributor for assistance.

E01010, E01011

Indication conditions

A Sensor abnormality was detected in the drive unit.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Contact your place of purchase or a distributor for assistance.

E01020 - E01022

Indication conditions

A Sensor abnormality was detected in the drive unit.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Contact your place of purchase or a distributor for assistance.

E01030

Indication conditions

Sensor failure was detected in the drive unit.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Contact your place of purchase or a distributor for assistance.

E01040 - E01042

Indication conditions

A malfunction was detected in the drive unit motor.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Contact your place of purchase or a distributor for assistance.

E01050, E01051

Indication conditions

Sensor failure was detected in the drive unit.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Contact your place of purchase or a distributor for assistance.

E011

Indication conditions

A system error was detected.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Refer to the SHIMANO STEPS user's manual and perform the following.

Turn the power OFF and then ON again.

Indication conditions

Sensor initialization could not be completed normally.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Press the battery power button to turn the power OFF and then ON again without placing your feet on the pedals.

Or, have your place of purchase perform the following.

• Adjust the chain tension.

If the error persists, contact your distributor for assistance.

E013

Indication conditions

Abnormality detected in drive unit's firmware.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Have your place of purchase perform the following.

• Connect to E-TUBE PROJECT and restore the firmware.

Indication conditions

An abnormal bicycle speed signal was detected from the speed sensor.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Have your place of purchase perform the following.

- Install the speed sensor and magnet in the appropriate locations.
- If the bicycle has been modified, return it to the factory default setting.

Ride the bicycle for a short while after following the instructions above to clear the error.

If the error persists, or if the information above does not apply, contact your distributor for assistance.

E020

Indication conditions

Communication error between the battery and drive unit detected.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Have your place of purchase perform the following.

• Check to see if the cable between the drive unit and battery is connected correctly, and check the power cord for abnormalities.

Indication conditions

Communication error between the battery and drive unit detected.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Have your place of purchase perform the following.

• Check to see if the cable between the drive unit and battery is connected correctly, and check the power cord for abnormalities.

E021

Indication conditions

The battery connected to the drive unit is compliant with system standards, but is not compatible.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Refer to the SHIMANO STEPS user's manual and perform the following.

Use the battery power button to turn the power OFF, and then turn the power back ON.

Indication conditions

Battery connected to drive unit does not conform with system standards.

Operational restrictions being displayed

No system functions will start.

Remedy

Refer to the SHIMANO STEPS user's manual and perform the following.

Use the battery power button to turn the power OFF, and then turn the power back ON.

E023

Indication conditions

Electrical failure was detected inside the battery.

Operational restrictions being displayed

No system functions will start.

Remedy

Refer to the SHIMANO STEPS user's manual and perform the following.

Use the battery power button to turn the power OFF, and then turn the power back ON.

Indication conditions

Battery overcurrent protection occurred. (Communication error with the bicycle system)

Operational restrictions being displayed

No system functions will start.

Remedy

Have your place of purchase perform the following.

• Connect a genuine SHIMANO battery. Also check the power cord for abnormalities.

If the error persists, contact the distributor for assistance.

E025

Indication conditions

Battery does not recognize the drive unit. (A genuine drive unit is not connected, or the power cord is disconnected.)

No system functions will start.

Battery does not recognize the drive unit. (A genuine drive unit is not connected, or the power cord is disconnected.)

Operational restrictions being displayed

No system functions will start.

Remedy

Have your place of purchase perform the following.

• Connect a genuine battery or drive unit. Also check the power cord for abnormalities.

Indication conditions

Shifting unit different from system configuration is installed.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Have your place of purchase perform the following.

• Connect the E-TUBE PROJECT to update to the correct configuration.

E031

Indication conditions

The chain tension may not yet be adjusted or the crank may not be installed in the proper position.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Have your place of purchase perform the following.

- Adjust the chain tension.
- Re-install the crank in the specified direction, then turn the power back ON.

Indication conditions

Current firmware is not supported by this system.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Have your place of purchase perform the following.

• Connect to E-TUBE PROJECT to update the firmware on all the SHIMANO STEPS system units to the latest version.

E034 (E013)

Indication conditions

Abnormality detected in drive unit's firmware.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Have your place of purchase perform the following.

• Connect to E-TUBE PROJECT and restore the firmware.

Indication conditions

Abnormality detected in drive unit's firmware.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Have your place of purchase perform the following.

• Connect to E-TUBE PROJECT and restore the firmware.

If the error persists, contact your distributor for assistance.

E035

Indication conditions

An abnormality was detected in the bicycle settings.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Have your place of purchase perform the following.

• Connect to E-TUBE PROJECT to check the configuration.

If the settings and bicycle status differ, revise the bicycle status.

Indication conditions

An abnormality was detected in the bicycle settings.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Have your place of purchase perform the following.

• Connect to E-TUBE PROJECT to check the configuration.

If the settings and bicycle status differ, revise the bicycle status.

If the error persists, contact your distributor for assistance.

E043

Indication conditions

Abnormality detected in firmware on this product. Part of the firmware may be corrupted.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Contact your place of purchase or a distributor.

The firmware needs to be restored.

Indication conditions

Error caused by system configuration.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Contact the bicycle manufacturer.

E050 (E014)

Indication conditions

An abnormal bicycle speed signal was detected from the speed sensor.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Have your place of purchase perform the following.

- Install the speed sensor and magnet in the appropriate locations.
- If the bicycle has been modified, return it to the factory default setting.

Ride the bicycle for a short while after following the instructions above to clear the error.

Indication conditions

An abnormal bicycle speed signal was detected from the speed sensor.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Have your place of purchase perform the following.

- Install the speed sensor and magnet in the appropriate locations.
- If the bicycle has been modified, return it to the factory default setting.

Ride the bicycle for a short while after following the instructions above to clear the error.

WARNING CODE

W010

Indication conditions

A high-temperature abnormality was detected in the drive unit.

Operational restrictions being displayed

Assistance will be lower than normal.

Remedy

Do not ride the bicycle with the assist mode enabled until the drive unit temperature drops.

If the error persists, contact your place of purchase or a distributor for assistance.

W011

Indication conditions

No bicycle speed signal was detected from the speed sensor.

Operational restrictions being displayed

The maximum speed up to which assist is provided will be lower than normal.

Remedy

Have your place of purchase perform the following.

- Install the speed sensor in the appropriate location.
- Install the magnet in the appropriate location.

(Refer to the "Disc brake" section in "General operations" or to the STEPS series dealer's manual for how to install the removed magnet.)

Indication conditions

The crank may be installed in the wrong direction.

Operational restrictions being displayed

Remedy

Have your place of purchase perform the following.

• Re-install the crank in the specified direction, then turn the power back ON.

If the error persists, contact your distributor for assistance.

W013

Indication conditions

Sensor initialization could not be completed normally.

Operational restrictions being displayed

Assistance will be lower than normal.

Remedy

Press the battery power button to turn the power OFF and then ON again without placing your feet on the pedals.

If the error persists, contact your place of purchase or a distributor for assistance.

Indication conditions

If the temperature exceeds the guaranteed operating range, the battery output is turned off.

Operational restrictions being displayed

No system functions will start.

Remedy

If it has exceeded the temperature in which discharge is possible, leave the battery in a cool place away from direct sunlight until the internal temperature of the battery decreases sufficiently.

If it is below the temperature in which discharge is possible, leave the battery indoors, etc. until its internal temperature is suitable.

W032

Indication conditions

The installed shifting unit differs from the shifting unit configured in the system.

Operational restrictions being displayed

Unable to perform gear shifting.

Remedy

Have your place of purchase perform the following.

• Check the current system status in E-TUBE PROJECT and replace the shifting unit that is currently set.

Indication conditions

Two or more assist switches are connected to the system.

Operational restrictions being displayed

Unable to perform gear shifting.

Remedy

- Connect to the E-TUBE PROJECT and change the function assignments of one of the switch units to the shifting switch.
- Connect only one assist switch, then turn the power ON again.

If the error persists, contact your place of purchase or a distributor for assistance.

W031

Indication conditions

The chain tension may not yet be adjusted or the crank may not be installed in the proper position.

Operational restrictions being displayed

Assist will not be provided when riding.

Remedy

Have your place of purchase perform the following.

- Adjust the chain tension.
- Re-install the crank in the specified direction, then turn the power back ON.

W10000 (W010)

Indication conditions

A high-temperature abnormality was detected in the drive unit.

Operational restrictions being displayed

Assistance will be lower than normal.

Remedy

Do not ride the bicycle with the assist mode enabled until the drive unit temperature drops.

If the error persists, contact your place of purchase or a distributor for assistance.

W10100 (W011)

Indication conditions

No bicycle speed signal was detected from the speed sensor.

Operational restrictions being displayed

The maximum speed up to which assist is provided will be lower than normal.

Remedy

Have your place of purchase perform the following.

- Install the speed sensor in the appropriate location.
- Install the magnet in the appropriate location.

(Refer to the "Disc brake" section in "General operations" or to the STEPS series dealer's manual for how to install the removed magnet.)

Indication conditions

Sensor initialization could not be completed normally.

Operational restrictions being displayed

Assistance will be lower than normal.

Remedy

Turn the cranks in reverse two to three times

If the error persists, contact your place of purchase or a distributor for assistance.

W10300

Indication conditions

Sensor initialization could not be completed normally.

Operational restrictions being displayed

Assistance will be lower than normal.

Remedy

- If the cycle computer displays W103: Turn the cranks in reverse two to three times.
- If the cycle computer displays W013: Press the battery power button to turn the power OFF and then ON again without placing your feet on the pedals.

If the error persists after trying the above, contact your place of purchase or a distributor for assistance.

Indication conditions

Unexpected power disconnection was detected.

Operational restrictions being displayed

There are no restricted assist functions while displayed.

Remedy

- Refer to the SHIMANO STEPS user's manual and perform the following. Turn the power OFF and then ON again.
- 2. If W105 is displayed frequently, have your place of purchase perform the following.
 - Eliminate any rattling in the battery mount and ensure that it is secured appropriately in place.
 - Check whether the power cord is damaged. If so, replace it with the required part.

W20000 (W020)

Indication conditions

The power was turned OFF due to the temperature exceeding the guaranteed operating range.

Operational restrictions being displayed

No system functions will start.

Remedy

If it has exceeded the temperature in which discharge is possible, leave the battery in a cool place away from direct sunlight until the internal temperature of the battery decreases sufficiently.

If the temperature has fallen below the temperature where discharge is possible, leave the battery indoors or other suitable area until the internal temperature rises sufficiently.

If the error persists, contact your place of purchase or a distributor for assistance.

W30200 (W032)

Indication conditions

The installed shifting unit differs from the shifting unit configured in the system.

Operational restrictions being displayed

Unable to perform gear shifting.

Remedy

Have your place of purchase perform the following.

• Check the current system status in E-TUBE PROJECT and replace the shifting unit that is currently set.

Depending on the connected drive unit, the code in parentheses is displayed.

E-TUBE PROJECT for Windows V4 classifies errors and warnings into more detailed categories according to the cause.

For this reason, the error and warning codes that are displayed in the E-TUBE PROJECT for Windows V4 may differ from those displayed on personal cycle computers, E-TUBE RIDE, or the E-TUBE PROJECT for mobile.

Error Check

Battery consumption check results

E-B10

Indication conditions

There is a problem with the unit's firmware. The battery consumption check is stopped.

Remedy

Update the firmware of all components, and perform the error check (BM or BT-DN single check) again.

E-B20, B30

Indication conditions

A fault may exist.

Remedy

Check again for a battery consumption error.

If the error is repeated, contact the place of purchase or a distributor.

E-B51

Indication conditions

A unit with a problem may be connected.

Remedy

Updating the firmware may resolve the issue.

Update the firmware of all components, and perform the error check (BM or BT-DN single check) again.

E-B52

Indication conditions

A fault may exist.

Remedy

It is not possible to put the system into "Sleep mode" due to the combination of products.

Replace the products one by one (RD, FD, or junction-A...) and re-check the battery current error. If the error is repeated, contact the place of purchase or a distributor.

E-B81

Indication conditions

A fault may exist. A battery consumption error problem has been found in a specific unit.

Remedy

Replace the products one by one, and re-check the battery consumption error.

Please contact the place of purchase or distributor.

E-B82

Indication conditions

It is necessary to perform battery consumption checks for the individual connections.

Remedy

Perform battery consumption checks for the individual connections.

E-B90

Indication conditions

There are no units which may be faulty.

Remedy

If there is a problem (the battery on the bicycle is quickly consumed, etc.), perform a battery consumption check.

If [Normal] is displayed after all the connections of the individual parts related to the unit are checked, there may be a fault in the battery, cable, junction-B, etc.

this case, please contact the place of purchase or a distributor.

Di2 Adapter error check results

CAN communication error

Indication conditions

Communication cannot be established between BOSCH eBike drive unit and SHIMANO Di2 Adapter.

- (1) The BOSCH Y-Harness may not be connected properly.
- (2) The BOSCH Y-Harness may be damaged.
- (3) The SHIMANO Di2 Adapter may be damaged.
- (4) An E-BIKE drive unit that is not supported by the SHIMANO Di2 Adapter may be currently connected.

Remedy

Perform action corresponding to each of the numbers.

- (1) Remove and reinsert the BOSCH Y-Harness plug, then check the connection.
- (2) Replace the BOSCH Y-Harness. (If the plug can be replaced, refer to the BOSCH dealer training website at https://www.bosch-ebike.com .)
- (3) Connect only the SHIMANO Di2 Adapter, then perform an error check. If there is a problem, replace the SHIMANO Di2 Adapter.
- (4) The drive unit is not a BOSCH eBike system unit. Use a BOSCH eBike system drive unit.

Battery not connected

Indication conditions

Power is not being supplied from the BOSCH eBike system to the SHIMANO Di2 Adapter.

- (1) The BOSCH battery may not be connected properly.
- (2) The BOSCH Y-Harness may not be connected properly.

Remedy

Perform action corresponding to each of the numbers.

- (1) Check that the BOSCH battery is correctly attached to the bicycle and the LED is lit.
- (2) Remove and reinsert the BOSCH Y-Harness plug, then check the connection.

Power supply circuit failure

Indication conditions

Power is not being supplied from the BOSCH eBike system to the SHIMANO Di2 Adapter.

- (1) The BOSCH battery may not be charged.
- (2) The BOSCH Y-Harness may be damaged.
- (3) The SHIMANO Di2 Adapter may be damaged.

Remedy

Perform action corresponding to each of the numbers.

- (1) Check that the BOSCH battery LED is lit.
- (2) Replace the BOSCH Y-Harness. (If the plug can be replaced, refer to the BOSCH dealer training website at https://www.bosch-ebike.com.)
- (3) Connect only the SHIMANO Di2 Adapter, then perform an error check. If there is a problem, replace the SHIMANO Di2 Adapter.

Unsupported bicycle type connected

Indication conditions

The SHIMANO Di2 Adapter is connected to an unsupported type of bicycle.

Remedy

BOSCH 2nd generation E-BIKE system SpeedBike and US-Version are judged like this. The SHIMANO Di2 Adapter cannot be used.

Unsupported version connected

Indication conditions

A BOSCH eBike drive unit that is not supported by the SHIMANO Di2 Adapter is currently connected.

Remedy

Use the BOSCH diagnostic tool to update the BOSCH eBike system software to the latest version. (Refer to https://www.bosch-ebike.com.)

Unable to shift gears

Indication conditions

The BOSCH eBike system is prohibiting the SHIMANO Di2 Adapter from operating. Therefore, gear shifting cannot be carried out.

Remedy

Use the BOSCH diagnostic tool to check the BOSCH eBike system.

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